FINAL CONTAMINATION SCREENING EVALUATION REPORT VOLUME 3 OF 3

PROJECT DEVELOPMENT AND ENVIRONMENT STUDY US 19 (SR 55) FROM SOUTH OF US 98 TO CR 488 CITRUS COUNTY

Work Program Item Segment No: 405822 1 Federal-Aid Program No: 1852 007 P

The proposed project involves improving US 19 (SR 55) to a six-lane divided facility from US 98 to Turkey Oak Drive, and improvements to the CR 488 intersection in Citrus County. The total length of the project is approximately 18.8 miles.



Prepared for:

Florida Department of Transportation District Seven 11201 North McKinley Drive Tampa, Florida 33612-6456

FINAL CONTAMINATION SCREENING EVALUATION REPORT VOLUME 3 OF 3

PROJECT DEVELOPMENT AND ENVIRONMENT STUDY US 19 (SR 55) FROM SOUTH OF US 98 TO CR 488 CITRUS COUNTY

Work Program Item Segment No: 405822 1 Federal-Aid Program No: 1852 007 P

The proposed project involves improving US 19 (SR 55) to a six-lane divided facility from US 98 to Turkey Oak Drive, and improvements to the CR 488 intersection in Citrus County. The total length of the project is approximately 18.8 miles.



Prepared for:

Florida Department of Transportation District Seven 11201 North McKinley Drive Tampa, Florida 33612-6456

Prepared by:

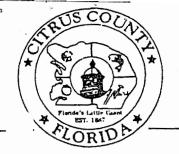
PSI, Inc. 5801 Benjamin Center Dr., Suite 112 Tampa, Florida 33634

May 2004

APPENDIX D

REGULATORY DOCUMENTATION

Site No. 2 U-haul Rentals 9472 S. Suncoast Boulevard Homosassa, Florida 32650 FDEP I.D. No. 098503149



Board of County Commissioners Department of Public Safety

285 South Kensington Avenue, Lecanto, Florida 34461 (352) 726-1400 ———— Fax (352) 726-1001 —

March 11, 1996

Ed Priest 9472 S. Suncoast Blvd. Homosassa, Florida 34448

Ref. Fac. 098503149 Priest's Chevron 9472 S. Suncoast Blvd. Homosassa, Florida 34448

Ed Priest,

On 3/4/96 a representative of the Department of Public Safety conducted a Closure Inspection at the above referenced facility. This inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to Chapter <u>62-761</u>, Florida Administrative Code (F.A.C.), which regulate <u>underground</u> stationary storage tank systems. A copy of the completed inspection form is attached.

Should you have any questions, please contact me at (904)726-1400.

Sincerely.

David E. Chronister Environmental Specialist III Department of Public Safety

DEC/jlb

STORAGE TANKS PROGRAM 285 S. Kensington Avenue Lecanto, Florida 34461 (352) 726-1400



Department of Environmental Regulation Pollutant Storage Tank System

Inspection Report Form

Facility: ID. #: <u>096503149</u> Facility Name: <u>PRIEST'S CHEVRON</u>	County: <u>CITRUS</u>
Facility Location: <u>9992 S. Suncars Blud.</u> Facility Contact: <u>FD PRIEST</u> Owner: <u>FD PRIEST</u>	Phóne: (352) 372-1195 Phone: (352) 372-3030
Owner Address: <u>9472</u> S. Suncoast BLVD. Hermosassa, FC Owner Contact: <u>ET PRIEST</u> Owner Chan Latitude: <u>27°: 43': 23"</u> Longitude: <u>52°: 37</u>	. 34448

Tank #	Size	Contents	Date Installed	Under or Above	Tank Type	integral Piping	Monitoring System	Tank Status
4	5000	EMPTY	××/80	U	C	ß	B	В
5	5000	EMPTY	XX/80	U	C	B	B	B
			,					

Comments: TANKS REMOVED BY OWNER . O. 1 % LEL BUTH TANKS AFTER RIMONAL. PIAME TO

BE CAPED, FINAL DISPOSITION OF TANKS TO BE DETERMINED. COPY CITEUS CONNTY WITH

DISPOSITION OF TANKS, AND CLOSURE RESPORT.

Inspection Type: (Choose One)	Site Information: (All that apply)
Routine Discharge (DRF)	Near Public Wells 🔲 Repaired
Installation Closure	Contaminated Upgraded
Abandoned Reinspection	🗌 Complaint 🗌 Both UST & AST
	🗌 Acid Tanks 🔲 Hazardous Materials

DER District <u>or</u> Local Program <u>CITRUS COUNTY PUBLIC SAFETY-STRAGE THE PROMA</u> <u>DAVIN É, CHRONISTER</u> Inspector Name (Print): <u>Inspector's Signature & Date</u> DER District <u>or Local Program</u> <u>CITRUS COUNTY PUBLIC SAFETY-STRAGE THE PROMA</u> Sontact Name (Print): <u>Inspector's Signature & Date</u> Contact's Signature & Date

DER Form 761-01-91



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B.Struhs Secretary

April 5, 2000

Mr. James A. Peterson PO Box 560 Homosassa Springs, FL 34447

Re: Larry's Auto Sales FDEP Facility # 099202408 Discharge Date: June 27, 1992

Dear Mr. Peterson:

The Florida Department of Environmental Protection is required to direct the cleanup of petroleum contamination sites in priority order and by preapproval of the scope and cost of all work that is funded by the State. The priority order for cleanup is determined pursuant to the Petroleum Cleanup Site Priority Ranking Rule, Chapter 62-771, Florida Administrative Code.

Each site eligible for cleanup funding assistance is scored according to this system. The above site has received a score of 30. Each eligible site is ranked in relation to all other eligible sites. Ranking and funding are performed by the DEP quarterly in February, May, August, and November of each year. Currently funding is available for all sites with a priority score of 50 or greater. Therefore, funding is not available this year for continued rehabilitation at your site.

If you believe our records are in error or have any questions, please contact me at 850/224-2599.

Sincerel Brian King

USTM Operations Manager

BK/as

Enclosure: PCT printout

cc: Southwest District DEP Office File

> "Protect, Conserve and Manage Florida's Environment and Natural Resources" Printed on recycled paper.

Site No. 3 Cumberland Farms #1006 8078 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098503049 EPA I.D. No. FLD984225037



ENVIRONMENTAL COMPLIANCE SERVICES, INC.

April 18, 2001

ECS Project #60166

Ms. Betsy Skinner Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Florida 32399-2400

<u>Remedial System Installation Proposal</u> <u>Cumberland Farms #1006</u> <u>Homossassa, Florida</u> <u>FDEP Facility ID #98503049</u>

Dear Ms. Skinner:

This letter and enclosures document the estimated costs for installing the Florida $\stackrel{!}{\Rightarrow}$ Department of Environmental Protection (FDEP) approved air-sparging (AS) and soil vapor extraction (SVE) remedial system at the above referenced facility. All anticipated installation costs, and their back-up documentation, has been included in this proposal.

Environmental Compliance Services, Inc. (ECS) proposes to perform the installation, utilizing a construction crew consisting of three ECS people (construction supervisor, upper level technician and mid-level technician) and one professional for project management oversight. ECS estimates that the installation will require approximately 10 days to complete, not including travel time/mobilization. A detailed schedule of work effort and personnel is attached. A breakdown of daily personnel and per diem/lodging charges is attached in this submittal as well.

Three quotes were solicited for all large dollar services or supplies to ensure competitive pricing. Based upon a review of the quotes received, ECS selected: Groundwater Protection to perform the AS and SVE well installation, BISCO to supply the equipment and Akins Electric to provide electrical services. For the remaining services or supplies one bid was solicited. Copies of all quotes have been enclosed with this proposal.

Prior to remedial system construction activities, ECS proposes to have an onsite meeting with the site owner, operator and vendors/subcontractors. Subsequently, the air sparging wells will be installed in accordance with the FDEP approved Remedial Action Plan. The 15 air sparging wells will be installed using hollow stem augers to approximately 10 feet below land surface. Investigative derived waste (IDW) generated during the well installation will be containerized in 55-gallon steel drums. The costs for the drums has

 SBB Silver Street, jobs WOOKS, 100 installing Statileboro, VT 05301

 Agawam, MA 01001
 Brattleboro, VT 05301

 413-789-3530
 802-257-1195

 Fax 413-789-2776
 Fax 802-257-1603

18 Shepherd Street Brighton, MA 02135 617-782-4417 Fax 617-254-5939 1209 Tech Blvd., Suite 202 Tompa, FL 33619 813-612-5900 Fax 813-612-5910

74 Baston Post Road Madison, CT 06443 203-245-3322 Fax 203-245-3494



not been included in this submittal. Sampling, manifesting, transporting and disposal of the drums generated during the well installation will be submitted as a change order.

An additional mobilization for baseline sampling has also been included in this proposal. During remedial system start-up testing activities, two SVE effluent air samples will be collected, one approximately one-hour after SVE system start-up and one upon completion of the baseline groundwater sampling event. The collected air samples will be analyzed for hydrocarbon concentrations by EPA Method 18. Following the baseline sampling event, the remedial system will be shut down and carbon usage calculations performed to determine the most efficient method of soil vapor treatment. The baseline groundwater sampling will consist of depth to water measurements, purging and sampling monitoring wells MW-2, MW-3, MW-5, MW-6, MW-7, MW-8, MW-9, MW-11, MW12, MW-19, MW-21 and MW-16D for EPA Method 602, 8310, and FLPRO analysis. The proposed costs for analytical sampling is provided in the attached laboratory cost breakdown form. The results of the baseline-sampling event will be presented in the startup report.

Following completion of the remedial system installation and start-up testing, ECS will submit a RA Startup Report to the FDEP to document system installation activities and events. If you need additional information or have any questions please contact Jim Cheze or myself at (813) 612-5900.

Sincerely, Environmental Compliance Services, Inc.

Marc E. Eichenholtz, P.G. Principal Geologist

C: Dan Felton – ECS

: · · · · ·

.:

Ylelda Beam for

Sam Philpot Construction Manager

Enclosures: FDEP Template Cost Worksheet FDEP Preapproval Program Spreadsheet Vendor and Subcontractor Quotes

. . . . · . . · · . :: 3

F:\jobs\60065.10\installprosp10-99

Florida Department of Environmental Protection-Division of Waste Management-Bureau of Petroleum Storage Systems

Template Cost Worksheet

Site Name: Cumberland Farms# 1006 Homosassa FL.

FDEP Contract #: Work Order #:

Facility Id #: 098503049

1

Contractor: Environmental Compliance Services, Inc WO Description: Install FDEP/LP Site Mgr: Betsy Skinner Date: 04.13.01

		Allowed Cost	Number of People	Number of Items Needed	Sub Markup	Total Cost of Items
Section A: Packaged Work Scopes	•					
1 Pumping Test or Liquid Ring Pumping Test		\$2,471.99				\$0.00
Includes: setup, take down, test time, equipment kit, permit hre, NPOES appl	ication fee, per diem					
Excludes: mobilization, analytical cost, well installation, effluent treatment or	disposal costs, permit lees					
2 VES Pilot Test		\$1,656.06				\$0.00
Includes: setup, take down, test time, equipment kit, permit hra, per dier	m					
Excludes: mobilization, analytical cost, well installation, permit fees						
3 Sparging & VES Pilot Test		\$2,576.09				\$0.00
Includes: setup, take down, test time, equipment kit, permit hrs, per die	m					
Excludes: mobilization, analytical cost, well installation, permit less					-	
4 Monthly O&M Visit		\$684.72				\$0.00
includes: routine O&M, all monthly sampling time, equipment kit, water	levels, per diem					
Excludes: mobilization, analytical cost, telemetry cost				Section A	Subtotal:	\$0.00
Section B: Office Activities, Part 1					-	
1 Proposal Preparation		\$443.32		1		\$443.32
2 File Review		\$482.26				\$0.00
Permits (½ permit for additional permits and per property for	off site access)	\$604.07		1		\$604.07
4 Site Health & Safety Plan		\$282.57		1	j	\$282.57
				Section B	Subtotai:	\$1,329.96
Section C: Field Activities (all activities include equipment	: kit, vehicle, per diem)				-	
1 Mobilization (to and from site) (2 persons)		\$672.67		9	1	\$6,054.03
2 Mobilization (to and from site) (1 person)		\$361.82		3		\$1,085.46
Drilling Setup (one time use per event, setup and take down		\$460.05		1	4	\$460.05
 Soil Boring for Soil Screening (< 10 ft; with or without soil lab 	•	\$188.38			4	\$0.00
Soil Boring for Soil Screening (> 10 ft to ≤ 30 ft; with or witho	• •	\$282.56			4	\$0.00
Soil Boring for Soil Screening (> 30 ft; with or without soil lab		\$376.75			4	\$0.00
7 Well Installation, single cased (≤ 20 ft; including split spoons		\$392.50			4	\$0.00
 Well Installation, single cased (> 20 ft to ≤ 40 ft; including sp 		\$588.75			4	\$0.00
Well Installation, single cased (> 40 ft; including split spoons					4	\$0.00
19 Well Installation, double cased (< 40 ft; including split spoon	•	\$1,177.50			-	\$0.00
11 Well Installation, multiple cased (> 40 ft; including split spoo	ns) (case by case)				4	\$0.00
12 Recovery Well Installation (< 40 ft)		\$785.00			-	\$0.00
13 Recovery Well Installation (> 40 ft) (case by case)	,	£204.38		15	-	\$0.00
14 Air Sparging Well Installation (< 40 ft)		\$294.38		8	4	\$4,415.70
 Soil Vapor Extraction Well Installation (# 40 ft) Air Sparging Well and/or Vapor Extraction Well Installation (- 40 #\ (0000 by 0000)	\$196.25		<u> </u>	4	\$1,570.00 \$0.00
17 Well Abandonment (per well)	(2 40 II) (case by case)	\$71.37			-	\$0.00 \$0.00
19 Recovery Well Abandonment (per well)		\$190.71			-	\$0.00
19 Well Sampling with Water Level (per well)		\$189.26		12	-	\$2,271.12
20 Water Level Only (per well not sampled)		\$18.51		1	-	\$18.51
21 Slug Testing (per well, includes analysis)		\$525.45			-	\$0.00
22 Utility Clearance (included in drilling setup)		\$0.00			-	\$0.00
23 Area Survey		\$785.00			-	\$0.00
includes: on-site water levels, area use and map, potable well survey		\$ 703.00		L		Q 0.00
24 Half Day Field Oversight (2 persons max.)	(indicate here)	\$457.65	r		٦	\$0.00
25 Whole Day Field Oversight (2 persons max.)	(indicate here)	\$915.30			-	\$0.00
a whole bay field Ordingin (2 persons max.)	(moleate here)	3010.00	L	Section	니 C Subtotal:	-
Section D: Other Field Work			-			
1 Other Field Work	(indicate here)					\$0.00
2 Other Field Work	(indicate here)]	Section	D Subtotal	\$0.00 : \$0.00
Section E: Other Equipment Rental Cost(s)				000001		
1 Other Equipment	(indicate here)]			\$0.00
2 Other Equipment F:deta/job/80165.10/bidpackage/instaltemp041201.xis	(indicate here) Page 1 of 2]	Temp10	00 vie Do	\$0.00
F:\dstaljobs/80165.10/0x0package/instattemp041201.xts	LAR. I OLS			Section	00 xis Re E Subtotal	\$0.00 \$0 .00

.

. . . .

Florida Department of Environmental Protection-Division of Waste Management-Bureau of Petroleum Storage Systems

Template Cost Worksheet

Work Order #: Facility !d #: 098503049

1

WO Description: Install Site Name: Cumberland Farms# 1006 Homosassa FL. Date: 04.13.01

				Allowed Cost	Number of People	Number of items Needed	Sub Markup	Total Cost of Items
ection F: In-house Ser	vice Cost(s)							
1 Laboratory								\$0 .00
z Drilling								\$0.00
3 Construction				\$46,183.20				\$46,183.20
4 Other			(indicate here)					\$0.00
						Section F	Subtotal:	\$46,183.20
Section G: Subcontract	••							
•	W-2,3,5,6,7,8,9,11	,12,19,21,16D	PEL	\$3,600.00			10.00%	\$3,960.00
2 Drilling			Groundwater protect	\$5,925.00			10.00%	\$6,517.50
Construction			Akins Electric	\$4,925.00			10.00%	\$5,417.50
4 Disposal			(indicate selected sub)				10.00%	\$0.00
s Other			Equip. Rental/Services	\$6,191.31	1.29		10.00%	\$6,810.44
 Non-Capital Equipme 	ent and/or Material	s Purchase	Miscellanous	\$6,191.31 \$14,157.31	-11,619. 5:		10.00%	\$15,573.04
7 Capital Equipment P	urchase (max \$2,5	00 markup)	Bisco	\$30,297.78	•		10.00%	\$32,797.78
 PAC Remediation Sy 	stem (max \$2,500	markup)					10.00%	\$0.00
						Section G	Subtotai:	\$71,076.26
Section H: Office Activi							-	
1 Level 1 General or N	•		(indicate here)	\$233.42				\$0.00
2 Level 2 General Rep			(indicate here)	\$474.55				\$0.00
Level 3 General Rep	ort		(indicate here)	\$893.02			1	\$0.00
4 Level 4 General Rep			(indicate here)	\$1,577.20				\$0.00
5 O&M Quarterly Report	ort			\$1,360.78]	\$0.00
 O&M Annual Report 				\$2,510.86				\$0.00
7 Remedial Action Plan	n (gw or soil desig	n)		\$11,862.12]	\$0.00
 Remedial Action Plan 	n (gw & soil desigr	1)		\$13,294.78			1	\$0.00
Level 1 Limited Scop	e Remedial Action	Plan or RAP Modifi	cation	\$1,158.59				\$0.00
Level 2 Limited Score	e Remedial Action	Plan or RAP Modifi	cation	\$2,268.29				\$0.00
11 Level 3 Limited Scop	e Remedial Action	n Plan or RAP Modifi	cation	\$4,024.27			3	\$0.00
12 Level 4 RAP Modific	ation			\$6,647.39]	\$0.00
13 As-built Drawings (P	.E. sealed red line	modifications)		\$510.87		1]	\$510.87
14 Construction Drawin	gs and Specificatio	ons		\$2,809.98		1	7	\$2,809.98
15 Bid Package, Solicita	ation and Evaluation	n		\$1,585.06		1		\$1,585.06
15 RA Startup Report (i	ncludes as-builts a	and drawing modifica	tions)	\$1,462.71		1		\$1,462.71
17 Level 1 Natural Atter	nuation Plan			\$893.02]	\$0.00
18 Level 2 Natural Atter	nuation Plan with M	Adeling		\$2,619.47]	\$0.00
18 Natural Attenuation	or Post Remediate	on Monitoring Quarte	erly Report	\$438.35				\$0.00
20 Natural Attenuation	or Post Remediatio	on Monitoring Semi-/	Annual Report	\$893.02]	\$0.00
21 Level 1 Natural Atter	nuation or Post Re	mediation Monitoring	g Annual Report	\$1,095.21				\$0.00
22 Level 2 Natural Atte	nuation Monitoring	Annual Report		\$1,810.74			7	\$0.00
23 Well Abandonment	Report			\$202.19			7	\$0.00
						Section I	- Subtotal:	\$6,368.62
			Cost Share Information		_			
		FDEP Cost Share		100.00%				
		Applicant/Owner	Cost Share	0.00%				
		Total		100.00%				
Stand	lard Invoice S	chedule			Wor	k Order T	otals	
Invoice	Amount	Documentation R	lequired for Invoice			Order Total	-	\$140,832.9
A Packages	\$0.00				Subtotal (les	s retainage)	:	\$126,749.6
B Field Activities	\$91,499.86					Retainage	: 10%	\$14,083.2
C Remedial Equip.	\$32,797.78	Vendor's Invoice	5	11		_		
D Office Acitiviites	\$2,451.98				Cost Sha	are Work Or	der Totals	
E Retainage	\$14,083.29					FDEP Tota		п
1 —	41.14 anim4			11			-	
•	i.10/bidpackage/instalter \$140,832.91		Page 2 of 2		- I I	EP Subtota	•	/ 08/00 ⁿ

.

. .

Table 1

Materials/Subcontractors

Cumberland Farms #1006

ī	1	1
		•
1	ü	į
	Ģ	ļ
	ğ	5
	ļ	
;	ì	í

ate artistication of sets (12Vendo/Sub) (cr. Cost re) as the set artistic the Use Rabona to Selection at 15,527 (cr. 2012) as 0.7 [Style Material Science] (cr. 2014) (cr. 2014) as the set of the	Drilling	Well Instalt Huss Drilling	Well install Custom Drilling	Well Install Groundwater pro.	時間であった。 第1日の1日の1日の1日の1日の1日の1日の1日の1日の1日の1日の1日の1日の1	Electrician	electrical installation	electrical installation J.H.Ham Electric .\$6,850.00 electrical install	electrical Installation Aron E	H型G3:eubfota武臣 \$4,925.00
Templat Section		62	G2	G2			ទ	63	63	

				System Equipment
G7	remedial equipment	Nepco	\$31,072.79	\$31,072.79 equipment, storage tank, shipping, tax
G7	remedial equipment	Envirosupply	\$41,931.40	.41,931.40 equipment, storage tank, shipping, tax
G7	remedial equipment	Bisco	\$30,297.78	\$30,297.78 equipment, storage tank, shipping, tax
		C# G7. subtotal E%	\$30,297.78	

				Rental Equipment/Services
GS	Backhoe, compactor	United rentals	\$2,043.00	\$2,043.00 [Dig, saw cut edges compact
GS	Barricades	Bob's Barricades		Traffic control! / safety
G5	Concrete cutters approx.	True-line	\$4,013.80	\$4,013.80 concrete cutting and removal for trenches(806 ft)
G5				
<u>65</u>				
		际终 G6(subtotal 得論	subtotal 得給資本(191,31%)	

ala Metropia dushagaringka 1000/200/anabyt

FLORIDA		e Bldg. © 26 Divi	00 Blair S sion of V	f Environmenta Stone Road • Tallahas: Vaste Management leum Storage System	s ee , Fiorida 32			
	Storage 7	Fank Fac	ility C	ompliance Insp	ection Rep	ort		
Facility ID 850	3049 (County 🤇	090	ETTRUS	Inspe	ction Date	e 9/6/0	20
Facility Name	BERCAND	FARM	S	1006	Facili	ty Type [A-RET	AIC
Latitude 28°44					L/L	Method [4-Gr	25
Check box to identify type of inspec Provide Lat/Long Determination Me Provide the count of USTs and/or A	ethod. ("Map", "A	AGPS" (Ma	gellan), "		# USTs Inspected	3	# ATSs Inspected	
Compliance Inspection (Annual)	TCI	\times	Installation Inspec	tion		TIN	
Compliance Inspection (DRF re		TCDI		Closure Inspection			TXI	
Compliance Inspection (Compla	aint received)	TCPI		Compliance Re-Ins	spection		TCR	
Discharge Evaluation ("short fo		TDI		** Record the resu	lts of the TDI	in a <i>Dischar</i>	rge Project	
"Code" in block below corresponds	to the Rule Cite: rep	resents a Data	Entry Cod	e for ease of electronic dat	a recording of in	spection result	s.	
	-						-	
Rule Cite De	escription / Ins	spector's	Comme	ents				Code
			_					
	<	SEE	DI	16E 2				
		Sec	PL	$(0 - \alpha)$				<u>+</u>
		C00	C	ment	-0.			
		Con	<u> </u>	VI P /EVII	~ > `			<u> </u>]
								1 1
								+
	•							
		0.1 7		04	1 16 7		• • •	
Financial Responsibility – Verify	owner's coverag	ge. Select I	nsurance	or Other, and provid	ie Mechanisn	i, il appropi	riate.	
Insurance Carrier:				Effective Date:]	Expiration D	ate:	
Other Coverage meeting f								
Other Coverage meeting I	ederal linancial re	sponsibility	requiren	nents. Mechanism:	SCF	T		
None								
		•						
			1					
Based upon the inspection result Florida Administrative Code 62- A re-inspection will be scheduled a	-761.	X Yes		Wher/operator, this i O No O tion of the non-compl	CWOE - Con	npliance wi		
						and the second		
CITRUS CNTY E	ENU. HE	ACTH	4	352-52	7-52	95		
Storage Tank Program Office				Storage Tank Program	Office Phone Nu	imber	~	
C. MARK DUN	NNER			(Acida	\mathcal{U}	1 AM	5	
Inspector Name - Please Print		. ر		Facility Representative	Name – Please 1	Print n	-	
Thebs	c	Film)	(1// //	MACA	1At	\sim	
VI LOUVE The		10/00		- Devela	M Local	A Part		
Inspector Signature & Date				Facility Represent	lauve Signat	ure & Date	······································	
							1	0
							Page	of_

Florida Department of Environm 1 Protection @ Bureau of Petroleum trage Systems Storage Tank Facility Compliance Inspection Report

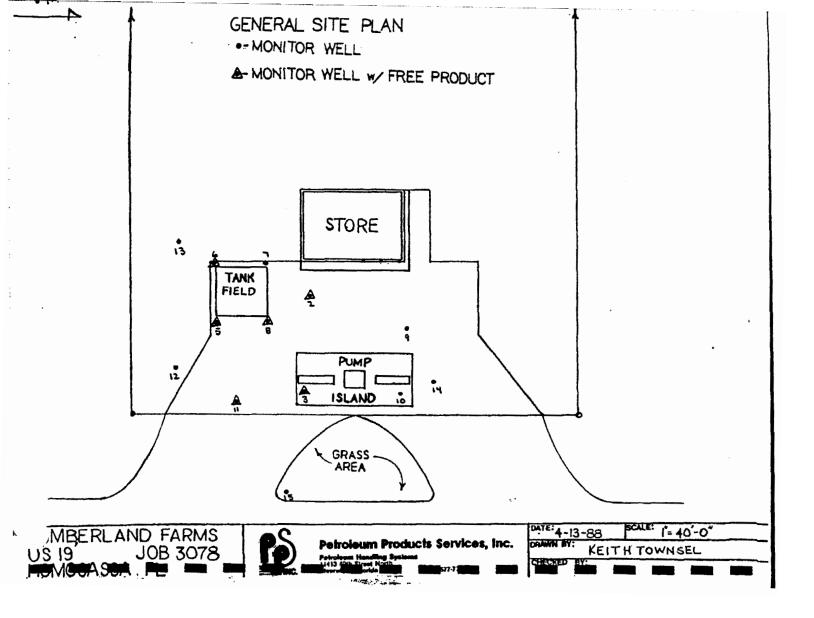
Facility Name: CUMB. FARMS 1006 Facility ID: 8503049 Date: 9/6/00 eCite Description / Inspector's Comments Main Release detection Method is Comments S.I.R. By USTMan all Tanks Passing last month available for Neview June 2000. Sumps and dispenser liners are HISWILLY Clerked monthly by CITEC + Associates and conditions are noted on inspection report. At the time of this inspection all 3 Sumps were dry and clean and the dispenser lines were dry with Accumulated debris. The Lines and Line Lack Detectors were tested by Down Under 6/12/00 all passed. The RDRL Was on hand in the facility The fill Boxes were marked AS per API 1637 The monital Vella wave left open to Selve as Contamination assessment wells.

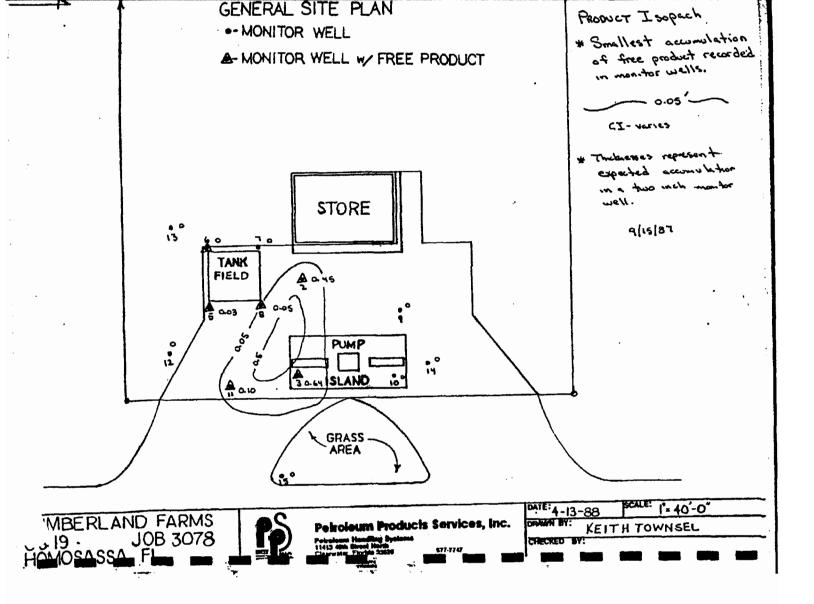
Page 2 of 2

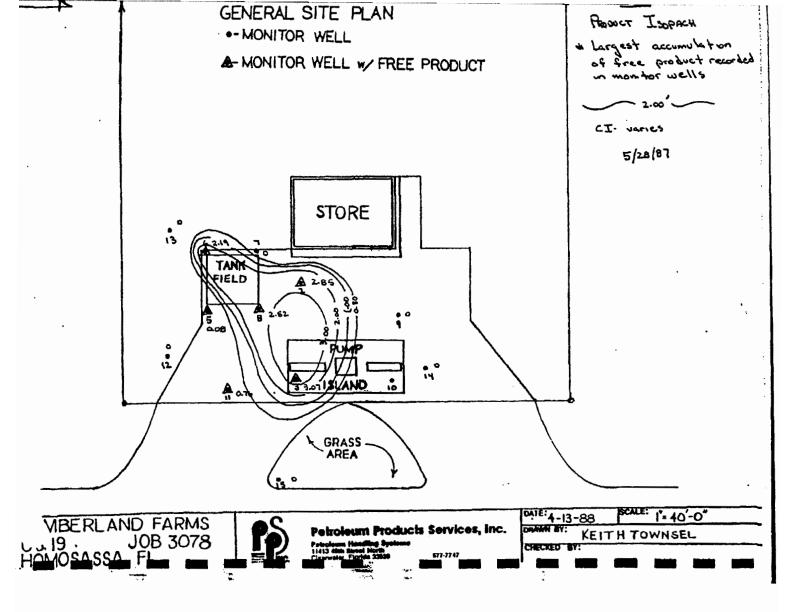
	8785
7	CONTAMINATION ASSESSMENT REPORT SUMMARY SHEET
F	isy Name: Cymbirland Farms # 1006 Reimbursement site B
	Location: <u>8078 5. Sun Const Bird.</u> Homosusia State Contract Site
	EDI #: 090832 FAC 1.D. #: 098503049 Other:
Date I	Reviewed: 12/1/88 Local Government:
(1)	Source of spill: Date of spill:?
(2)	Type of <u>gasoline group gallons lost</u> kerosene group gallons lost product:
	Deleaded kerosene
	unleaded regular diesel
	gasohol] JP-4 jet fuel
(3)	Description of JRA (if any): <u>pumping and</u> IF Free product removal; 7580 (gals)
	bailing to a existing wells on [Soil removal: (cubic yds)
	_a whickly basis Soil incineration: (cubic yds)
(4)	Free product still present? (Ye)/no) Maximum apparent product thickness: $\frac{x 3}{2}$ (ft)
-	51.95 HUMA TO BDI
(5)) Maximum groundwater Total VOA: 5695 benzene: 1440 EDB: BDL contaminant levels (ppb): lead: 260 HTBE: 1175 other: $Pb = 260$
•••	
(6)	Brief Lithologic description:
····· (7)	Areal and vertical extent of soils contamination defined? (very no) and the structure partements of a single of a
	Nighest current soil concentration (OVA: ppm) or (EPA Method 5030/8020: ppb)
(4)	Lower aquifer contaminated?.(yes/no) Depth of vertical contamination:
(19)	bate of last complete round of groundwater sampling: <u>3/88</u> . Date of last soil sampling :
\smile	QAPP approved? (ver/no) Date: 02/18/88
•	
(11)	Direction (e.g. NNW) of surficial groundwater flow: $5 \in (Figure 5 \text{ on page } 7)$ and CAR
(12)	Average depth to groundwater: (ft)
(13)	observed range of seasonal groundwater fluctuations: (ft) (ft) (ft)
	i Intornation
(14)	Estimated rate of groundwater flow: 0.038 (ft/day)
/1E>	Hydraulic gradient across site:
(15)	
(16)	Aquifer characteristics: Value Units Kethod
	Hydrautic conductivity $\frac{L}{d_{ay}}$
	Hydraulic conductivity
•	Aquifer thickness 16 ft.
	Aquifer thickness <u>16</u> Ph. Effective soil parosity <u>25</u>
	Transmissivity <u>300 ft. Iday over test</u>
	D0063042
. (17)	Other remarks:
	this called a chedde

CONTAMINATION ASSESSMENT REPORT SUMMARY SHEET
Facility Name: CumBERLAND FARMS # 1006 Reindursement site Location: 8078 S. SUNCOAST BLVD. Homosassa State Contract site E21 #: 090836 FAC 1.D. #: 098503049 Other: 0 Date Reviewed: 3/5/90 Local Government: CITRUS (COMNTY) 09
MIK
(1) Source of spill: OVERFILL Date of spill: UNKNOWN
(2) Type ofgailong logtgailong logtgailong logtgailong logt
I leaded المالاختالك kerosene I unleaded regular المالاختيك diesel I unleaded premium المالاختيك JP-4 jet fuel I gasohol I Jet A fuel
(3) Description of IRA (if any): PRAPING AND Free product removal: 580 (gais) PALLING EXISTING & ALGULS ON Soil removal: (cubic yds) PLINE EXISTING STASIS STORAGE Soil incineration: (cubic yds) TANICS AND LINES REMOVED
(4) Free product still present? (res/no) Haximum apparent product thickness: (ft)
(5) Maximum groundwater Total VDA: 5695 benzene: 1440 ED8: 13DL contaminant levels (ppb): lead: 6-0 HTBE: 1175 other:
(6) Brief lithologic description: SAND AND QUARTZ CLAY LAYER AT APPROX. 20:
(7) Areal and vertical extent of soils contamination defined? (yes no Highest current soil concentration (OVA: 10,000 ppm) or (EPA Hethod 5030/8020:ppb)
(8) Lower aquifer contaminated? (yes no) Depth of vertical contamination:14
(9) Date of last complete round of groundwater sampling: $\frac{3/15/88}{3/15/88}$ Date of last soil sampling : $\frac{2/21/87}{3}$
(10) DAPP approved? (Vestino) Date: 2/18/88
(11) Direction (e.g. KNW) of surficial groundwater flow: SE (Figure E on page 1)
(12) Average depth to groundwater: (ft)
(13) Observed range of sessonal groundwater fluctuations: $2 - 4$ (ft)
(14) Estimated rate of groundwater flow: 0.038 (ft/day) $DARCYS LAW$
(15) Hydraulic gradient across site: 0.002 (ft/ft)
 (16) Aquifer characteristics: <u>Value Units Hethod</u> (16) Aquifer characteristics: <u>Value Units Hethod</u> (17) Other remarks: <u>Value Units Hethod</u>

~



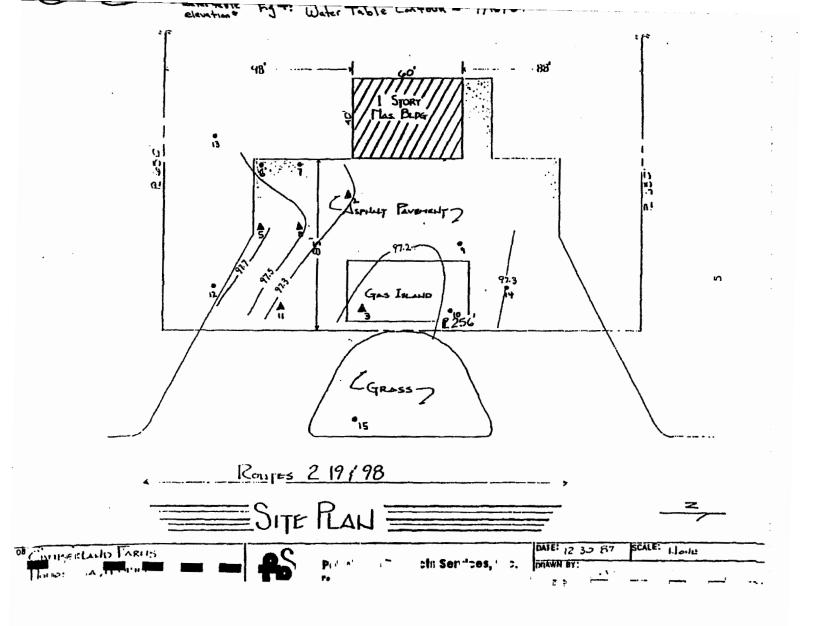


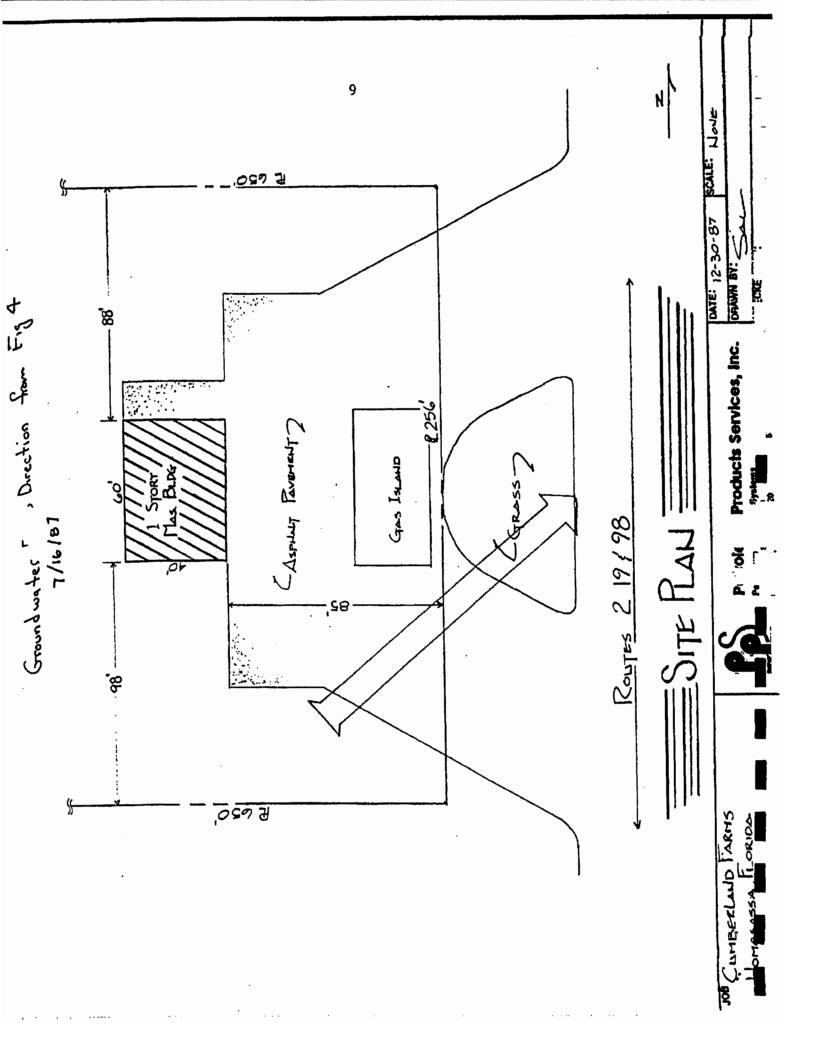


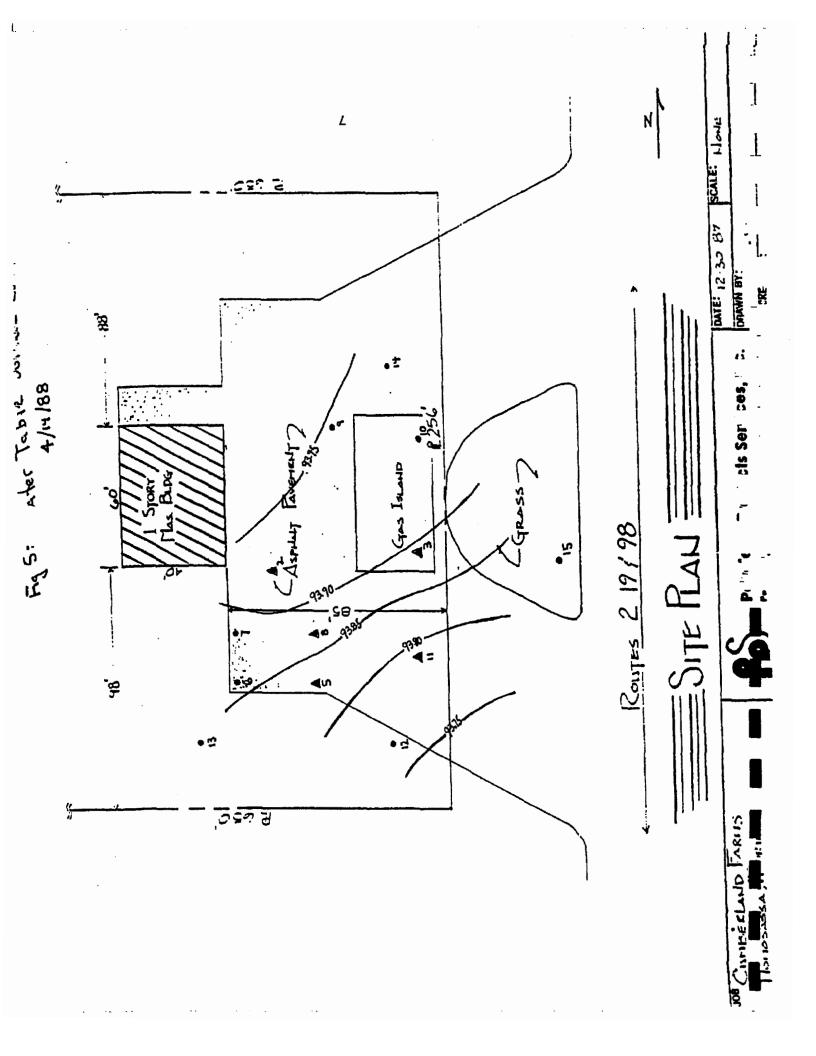
GROUNDWATER GRADIENT

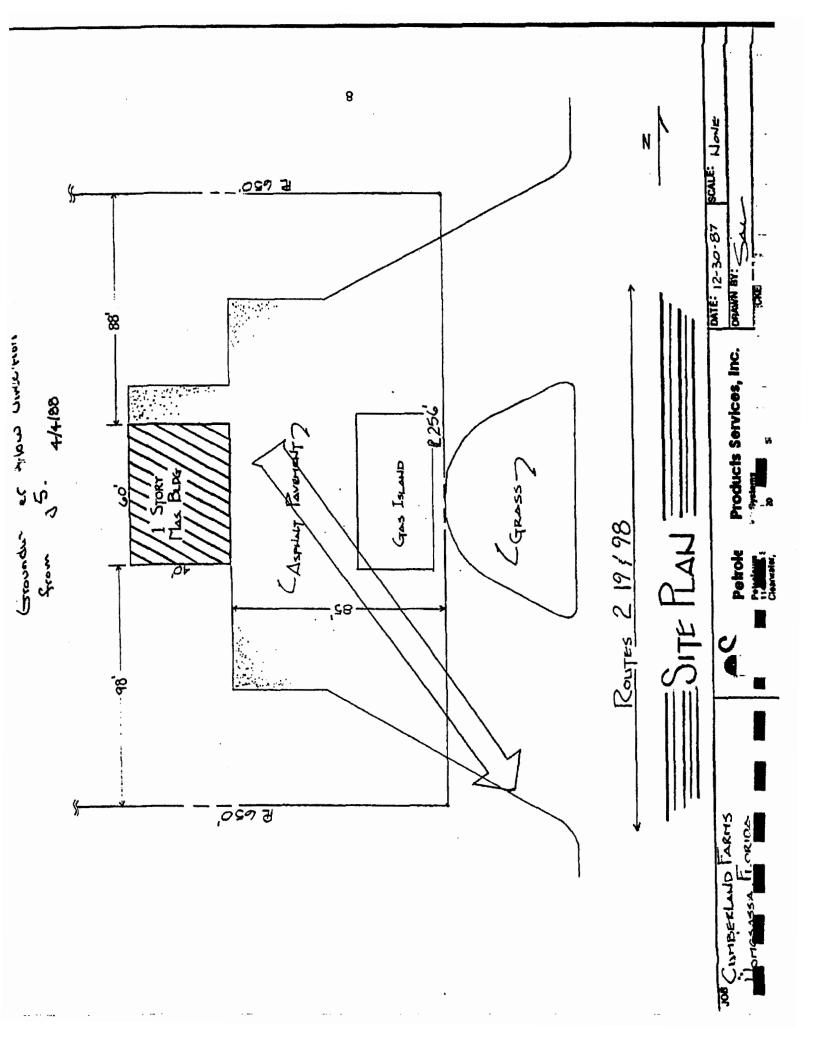
.

ł



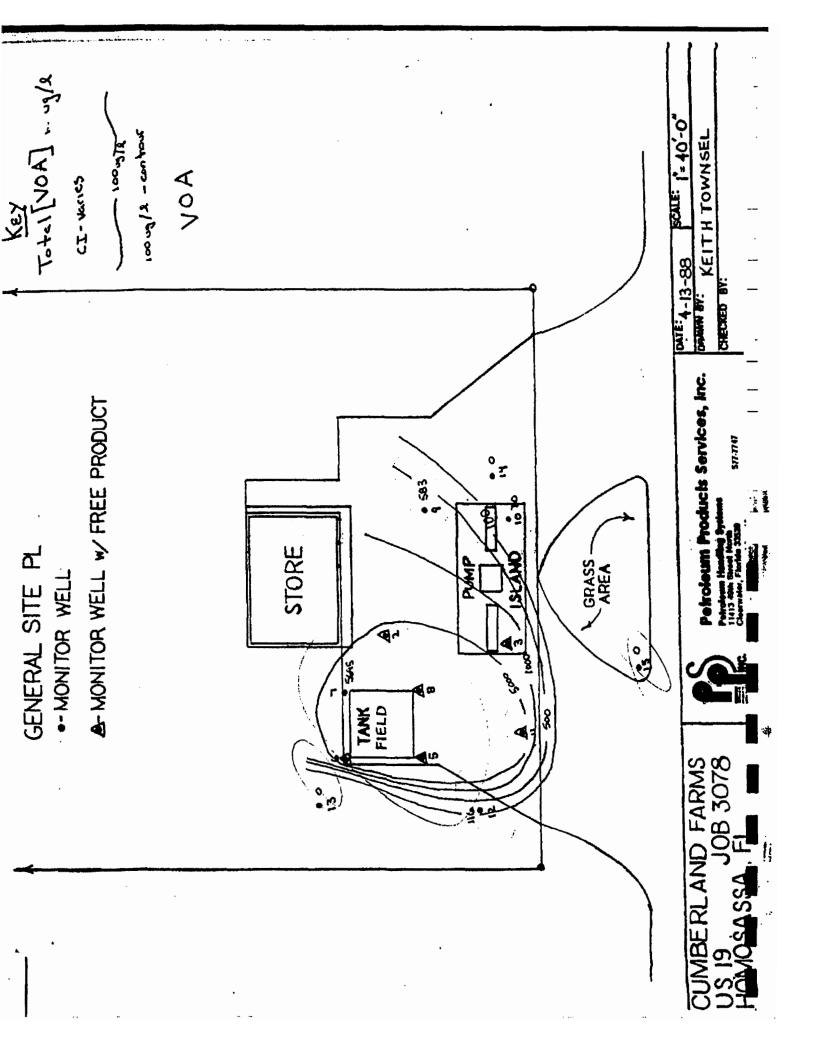


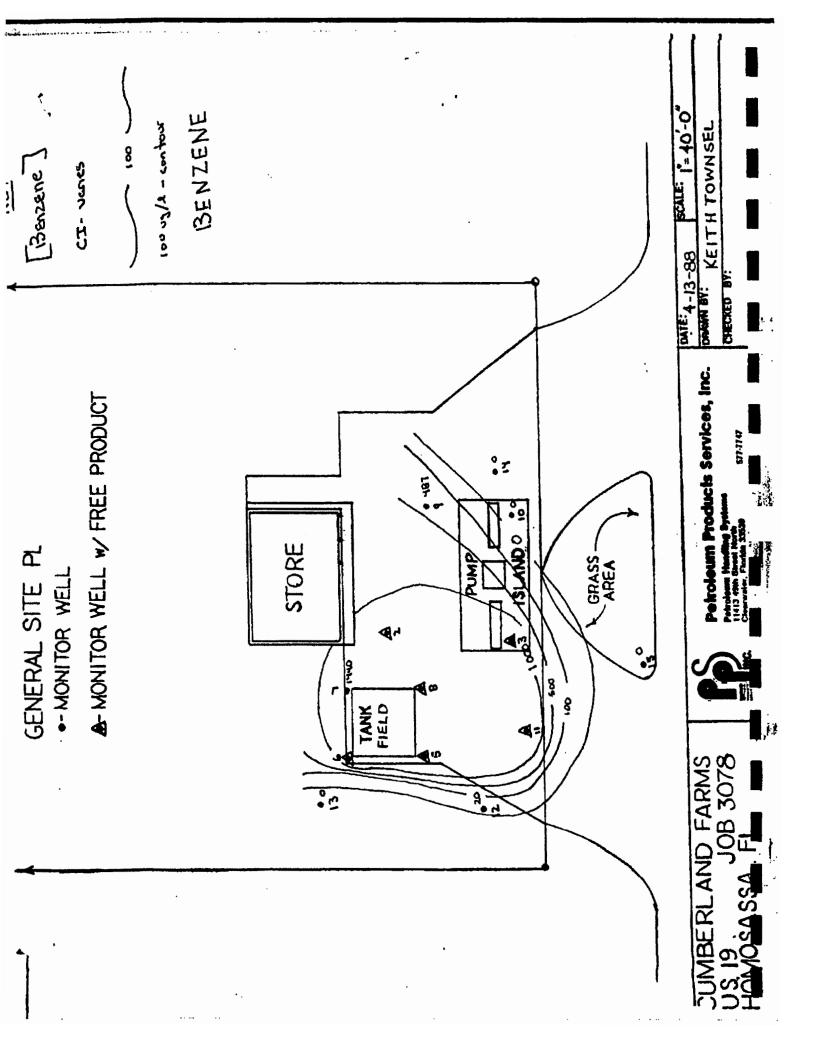


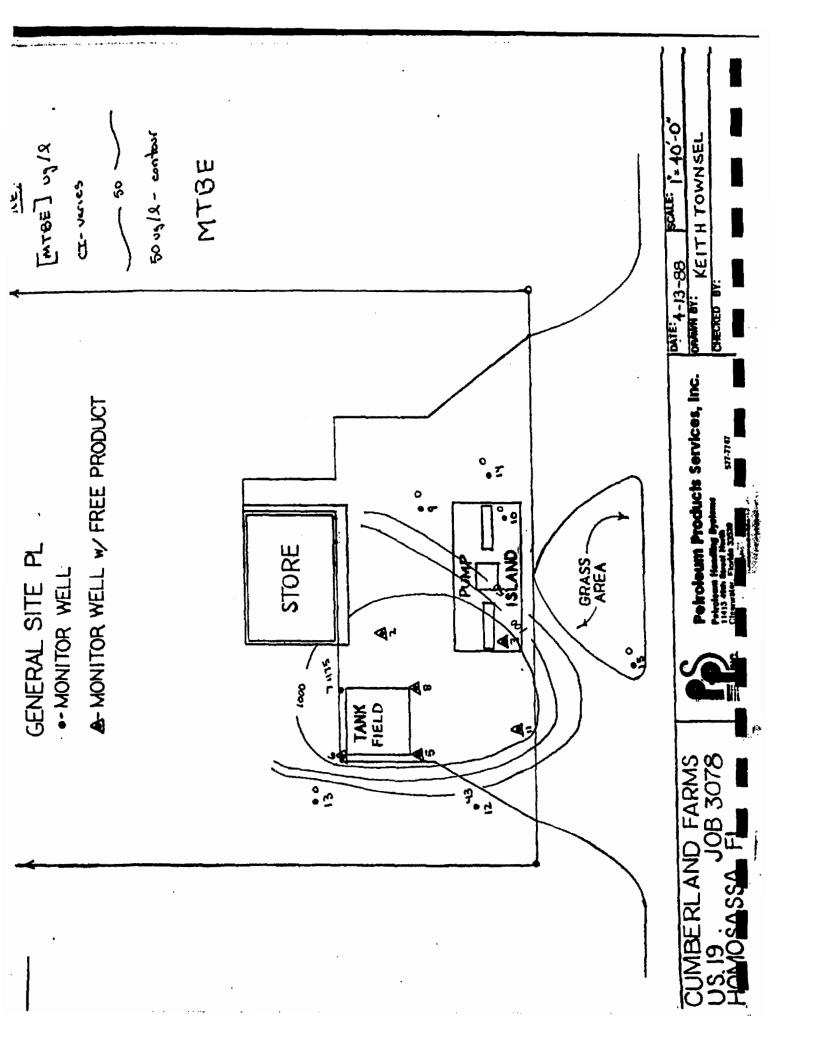


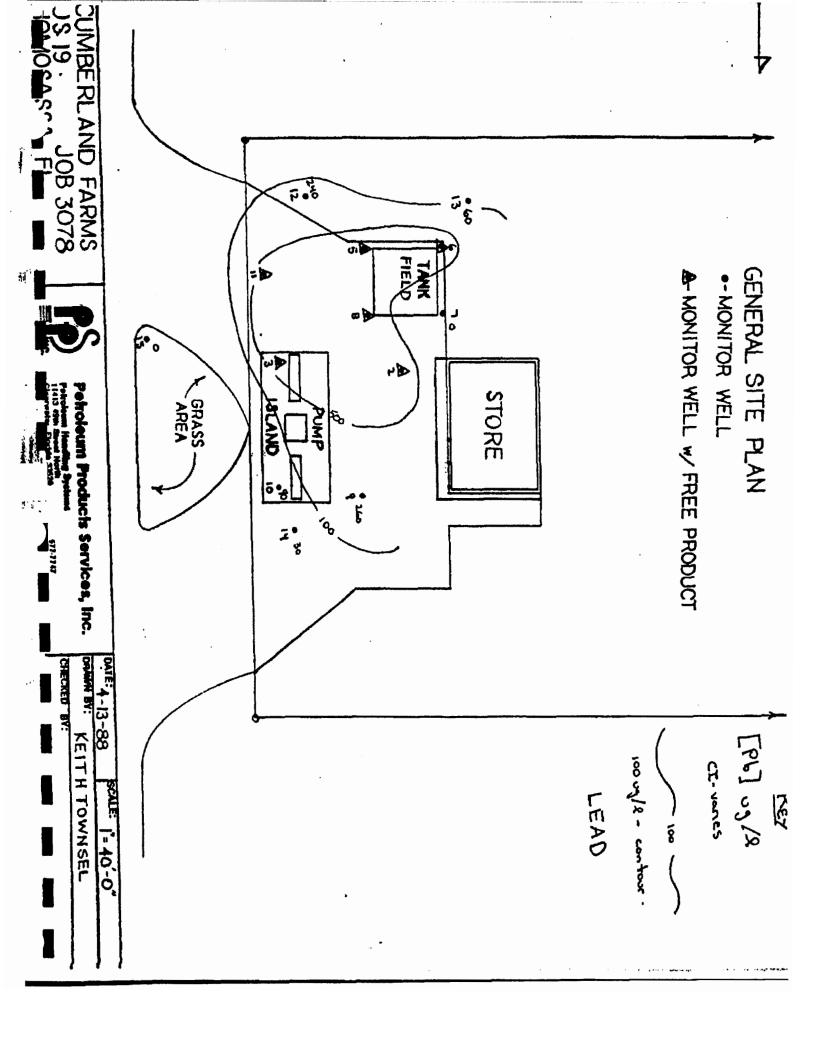
NOITANIMATNOD RETAWDUUDRE ON OF GROUNDWATER CONTANIMATNOD

.









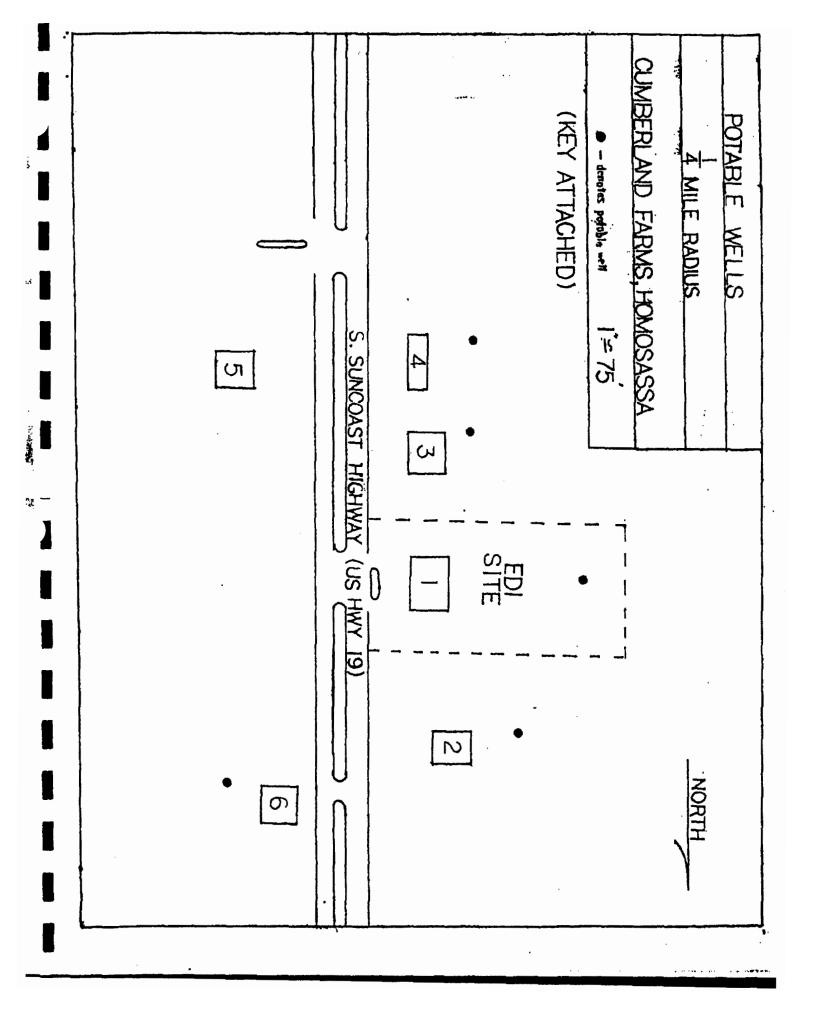
POTABLE WELL SURVEY

.

.

.

.



LIST OF POTABLE WELLS WITHIN SURVEYED AREA

- 1. Cumberland Farms Convenience Store
- 2. Forest Ranger Station
- 3. Private Residence
- 4. Real Estate Office
- 5. Sugarmill Woods Sales Office (see enclosure for wells on site)
- 6. Real Estate Office

2.0 SUPPLEMENTAL CONTAMINATION ASSESSMENT TASKS

2.1 RESPONSE TO COMMENTE #1 AND #2

The extent of free product was determined by gauging and bailing all of the site monitoring wells using hand held interface probes and bailers. Probes and bailers were decontaminated before moving to the next well. The gauging data is tabulated on the Water Table Elevation Calculation Sheet, presented as Attachment 2. The extent of free product, as determined by observed bailer thicknesses, is shown in Figure 1, and summarized in Table 2.1.

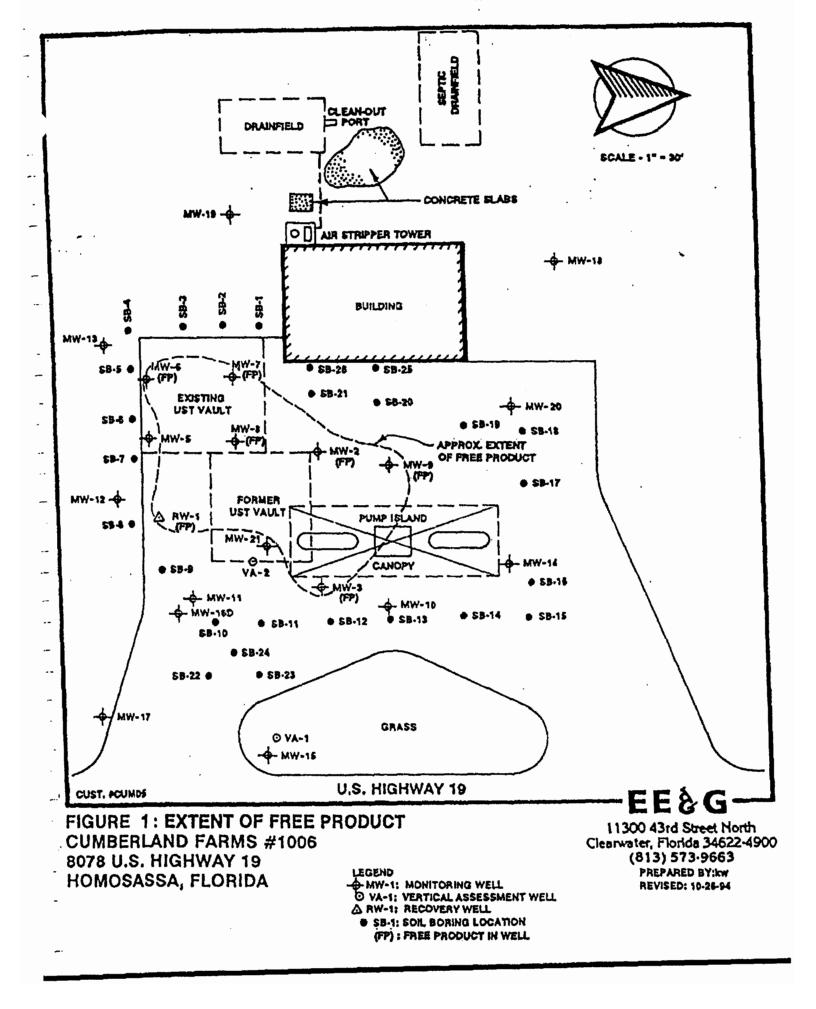
TABLE 2.1 Cumberland Farms #1006 8078 Suncoast Blvd., Homosassa, FL FREE PRODUCT THICKNESS SUMMARY

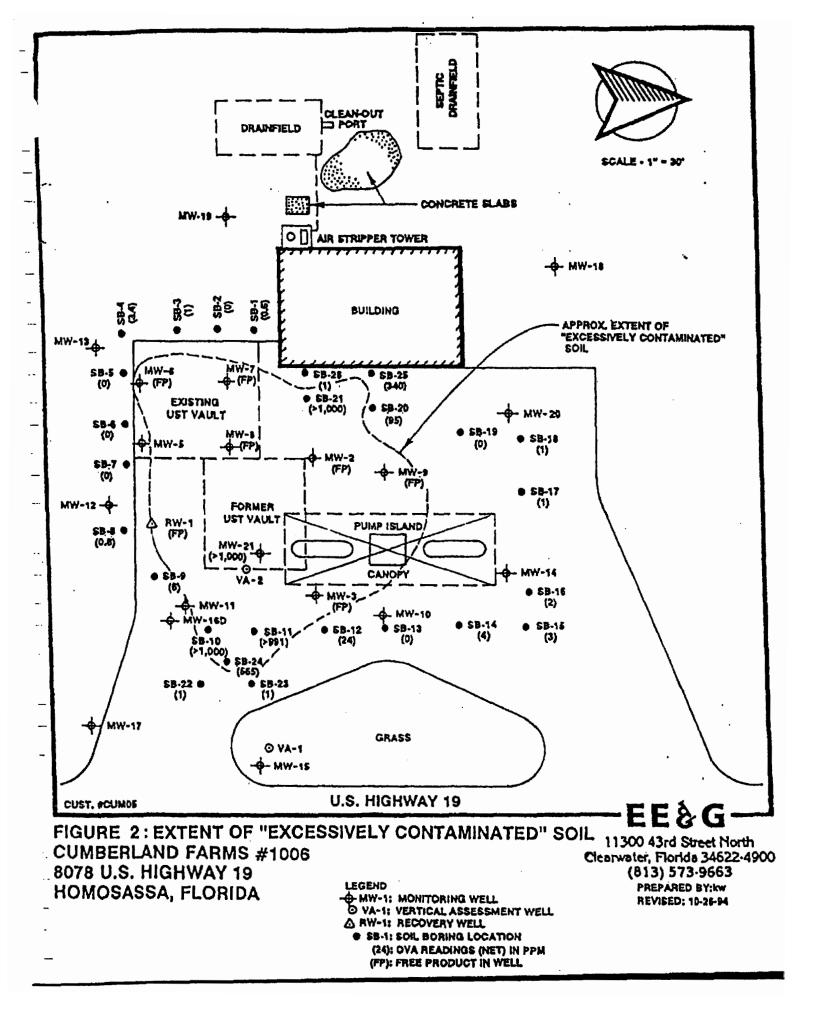
<u>Well</u>	Free Product Thickness (inches)
MW-2 MW-3 MW-6 MW-7 MW-8 MW-9 RW-1	sheen only sheen only sheen only sheen only 0.25 0.50

wells gauged 09/14/94

Free product recovery, in accordance with Chapter 62/17-770.300(1), . F.A.C., has been resumed at the subject site.

2







Department of Environmental Protection

Lawton Chiles Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

August 27, 1998

Mr. Timothy Dowell Cumberland Farms, Inc. 777 Denham Street Canton, MA 02021-9118

Re: Cumberland Farms # 1006 FDEP Facility # 098503049 Discharge Date: March 16, 1987

Dear Mr. Dowell:

The Site Priority Ranking Rule, Chapter 62-771, Florida Administrative Code, establishes a scoring system the Department uses to assign priority scores to petroleum contaminated sites. The scoring system is based upon the potential threat to public health, safety, and welfare; drinking water supplies; and the environment.

Each site eligible for cleanup funding assistance is scored according to this system. The above site has received a score of 49. Each eligible site is ranked in relation to all other eligible sites. Ranking and funding are performed by the DEP quarterly in February, May, August, and November of each year. A letter will be sent to the registered site owner indicating the facility's score and rank following the next quarterly ranking. Thereafter, all program sites receive an annual ranking letter in November.

If you have any questions or comments on your site's score or rank, please contact me at the letterhead address, Mail Station 4545 or call 850/487₅3299.

Sincerely.

Grace Rivera Environmental Specialist III Petroleum Cleanup Section

GR/as Enclosure: PCT printout

cc: Southwest District DEP Office File

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

Facility Discharge Tasks rayr Codes Media pOll History Reports eXit ----- Petroleum Contamination Tracking ------CUMBERLAND FARMS #1006Manager:Role:8078 S SUNCOAST BLVD (US HWY 1Highest Discharge Score:60HOMOSASSAFloridaDischarge Record:101 2 _____ ______ CleanupInfo Source:E-EDIDischarge Score:49Info:Lead Agency:BWC -BUREAU OF WASTE Score Effective Date:27-AUG-1998INACTIVEClean Required:R-CLEANUP REQUIRE Rank:1856 of 12650on 04-AUG-1998 Discharge Discharge Date: 16-MAR-1987 Inspection Date: 04-JUN-1987 Info: Combined With: Cleanup Status/Date: RAP /09-JAN-1995 Eligibility and Application Cleanup Application Received Program Lead Status Letter Sent Redetermined? Application 16-MAR-1987 E R E 18-AUG-1987 N Info: v The line below contains a 'v' to indicate more data. Press the UP or DOWN arrow. <Replace>

Count: 1 V

	Facility ID#:	09850304	19		L- 1
	Lucinity IDail	1078 5. 507 1078 5. 507 134617 Lo La		26 14Vard P.1.19 3315 ma	7 Expet 8/25/58
	Site Priority Ranki	ng		,	
riteria:		Yes	No	Points	,
re/Explosion Hazard:				•	
Free product or volatilized petroleum pro- at or above 20% of the Lower Explosive I in existing utility conduits or vaults, build other inhabited confined spaces (60 point	Limit (LEL) lings or			0	
Ignitable free product on surface waters of (60 points).	r impoundments		<u>×</u>		
reat to Uncontaminated Drinking Water S	supplies:				
Uncontaminated municipal or community of greater than 100,000 gallons per day p with a well within 1/2 mile of the site (30	ermitted capacity	PWS 6090 Q=1,000,0 T=250,00	× × × × × × × × × × × × × × × × × × ×	<u>0</u>	
SI DWDB	HRS N	T= 250,00 S=,0001	0 (=	.000,606	· .
"" onally: a. If the well field's 1 foot draw do is known to encompass the site rega field's distance from the site (20 po	ardless of the well		<u></u>		<i></i>
b. If the well field is located down site (15 points).	gradient of the			: 0	
Uncontaminated private wells constructe contamination discovery, or uncontamin system well field with less than 100,000 permitted capacity with a well within 1/4	ated public water gallons per day	points).	-	20	. بر ی ترجی
SI DWDB	HRS				
Υ	Y 2/17/44				
litionally: a. If the well field's 1 foot draw do is known to encompass the site reg field's distance from the site (10 pc well a ye	ardless of the well pints).		·	10	
b. If the well field is located down site (5 points).	gradient of the	\leq		5	
ystem supply within 1/2 mile of the site			X	0	

	<u>Yes</u>	No	<u>Points</u>
figration Potential:			
ce Characteristics (select only one)			
a. Recent spills or free product found in wells/ boreholes (4 points) <u>except</u> free product of 2 inches or more in 2 or more wells/boreholes (6 points).			6
b. Recent product loss or wells/groundwater contaminated but no free product (2 points).		<u> </u>	
Product Type (select only one):			
a. Light petroleum product (kerosene, gasoline, aviation fuel and similar petroleum products) with water soluble additives or enhancers (MTBE, ethanol and similar substances) (3 points).		<u> X </u>	
b. Light petroleum product with no additives or enhancers (2 points).			2
c. Heavy petroleum product (fuel oil, diesel and similar petroleum products) (1 point).	·	\angle	
vironmental Setting:			•
ocated in G-1 aquifer (4 points).		×	<u> </u>
Site located in a G-2 aquifer (2 points).			2
Site located in high recharge/permeability geological area (4 points).			<u> </u>
Site located within 1/2 mile of an Outstanding Florida Water (1 point).	·	<u> </u>	
nments: Discharge Date(s): March 16	1587	Total Points:	49
Rescore Request by:		*****	
Score based on conditions as of: 8/	25/98		
lien alla	8/	25/48 Date	



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Bullding 2600 Blair Stone Road Tallahassee, Florida 32399-2400

FEB 07 2001

David B. Struhs Secretary

FEB 0 8 2001

BY:____

and the second secon

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Phil Levreault Cumberland Farms, Inc. 777 Debham Street Canton, MA 02021

Subject: <u>Remedial Action Plan Approval Order</u> Cumberland Farms #1006 8078 South Sun Coast Blvd. Homosassa, Citrus County FDEP Facility ID# 098503049

Dear Mr. Sheehan:

The Bureau of Petroleum Storage Systems has reviewed the Remedial Action Plan (RAP) dated January 9, 2001 (received January 16, 2001, along with supplemental information dated through January 31, 2001 (received through February 5, 2001), submitted for the petroleum product discharges discovered on March 16, 1987 and May 29, 1996 at this site. We found all the documents submitted to date to be adequate to meet the RAP requirements of Rule 62-770.700, Florida Administrative Code (F.A.C.). The Department of Environmental Protection (Department) has determined that the actions proposed in this RAP, provide reasonable assurance that the concentrations of petroleum products' contaminants of concern at the site will be reduced to the levels specified in Chapter 62-770, F.A.C. Pursuant to Rule 62-770.700(8), F.A.C., the Department approves the RAP as described in this RAP Approval Order (Order). The operation of the active remediation system should be initiated within 120 days, as required by Rule 62-770.700(10), F.A.C.

You are also required to submit to the Department record drawings (as-built drawings) of the treatment system within 120 days of initiating operation of the active remediation system(s). These drawings must be certified by a professional engineer.

<mark>Legal Issues</mark>, ¹² all Flore and the state of a submative of **Boyr**, submative to the state of the state of the submative o

The Department's Order shall become final unless a timely petition for an administrative, proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

> Protect, Conserve and Manage Florida's Environment and Natural Resources Visit Our Internet Site At: www.dep.state.fl.us/dwm/bureaus/bpss.htm Printed on recycled paper.

99RAPAO.DOC

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about the Remedial Action Plan you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following:

- (1) File a petition for administrative hearing with the Department's Office of General Counsel within 21 days of receipt of this Order; or
- (2) File a request for an extension of time to file a petition for hearing with the Department's Office of General Counsel within 21 days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Phil Levreault, shall mail a copy of the request to Phil Levreault list at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Phil Levreault, shall mail a copy of the petition to Phil Levreault at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S. (1998, Supp.), and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

Mr. Levreault Page three

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

The FDEP Facility Number for this site is 098503049. Please use this identification on all future correspondence with the Department.

For your information, the Department's approval of the RAP should not be construed that we have agreed to the costs described in the plan for funding under the preapproval program. Our review of the RAP at this time is to evaluate technical feasibility, effectiveness, compliance with required levels of groundwater treatment and air emissions concerns, and general cost-effectiveness of the proposed remediation strategy. If subsequent costs are going to be paid from the Inland Protection Trust Fund, the site manager assigned to this site at the Bureau of

99RAPAO.DOC

rev 10/99

Mr. Levreault Page four

Petroleum Storage Systems will evaluate the approved RAP strategy and negotiate with your designated contractor the allowable cleanup cost to implement the approved RAP.

Questions

Any questions regarding the Department's review of your Remedial Action Plan should be directed to Betsy Skinner at (850) 413-6722. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 488-9314. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely, Michael E. Ashey, Chief

rav 10/99

Bureau of Petroleym Storage Systems

MEA/bs

Mr. Kevin C. Sheehan, P.E., Environmental Compliance Services, Inc. cc: 1209 Tech Blvd., Suite 202, Tampa, FL 33619

File

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

(or Deputy Clerk)

P.E. CERTIFICATION

Remedial Action Plan for-Cumberland Farms #1006, located at 8078 South Sun Coast Blvd., Hamosassa, Citris County, FDEP Facility ID# 0985203049.

I hereby certify that in my professional judgment, the components of this Remedial Action Plan satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the engineering design features incorporated in this plan provide reasonable assurances of achieving the objectives stated in Chapter 62-770, F.A.C., for active remediation. However, I have not evaluated and do not certify aspects of this plan that are outside my area of expertise (including, but not limited to, electrical, mechanical, and structural features).

10/99

X I personally completed this review.

____ This review was conducted by _____ working under my direct supervision.

James Treadweil, P.E. Professional Engineer #47005 Petroleum Cleanup Section 1

216/2001

Date

PECERT-RAP.DOC

CTEC Earth Resources and Environmental Services ASSOCIATES, INC.



P.O. Box 271 Pinellas Park, FL 33780 (813) 573-4471 FAX (813) 572-7831

Line Upgrade Report for Sump and Dispenser Liner Installation Cumberland Farms Facility #1006 8078 South Suncoast Boulevard Homossasa, Citrus County, Florida FDEP Facility #098503049

September 17, 1997

Prepared by:

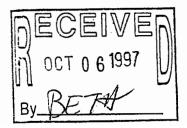
CTEC & Associates, Inc. 11443 43rd Street North Clearwater, Florida 33762

Prepared for:

Cumberland Farms, Inc. 777 Dedham Street Canton, Massachusetts 02021-9118

Submitted to:

Mr. David Chronister Citrus County Fire Prevention Bureau 285 South Kensington Lecanto, Florida 34461



Earth Resources and Environmental Services P.O. Box 271 Pinellas Park, FL 33780 (813) 573-4471 FAX (813) 572-7831

September 17, 1997

Mr. David Chronister Citrus County Fire Prevention Bureau 285 South Kensington Lecanto, Florida 34461

RE: Cumberland Farms Facility #1006 FDEP Facility #098503049

Dear Mr. Chronister:

We have been authorized by Cumberland Farms, Inc., to submit to your office this Line Upgrade Report for dispenser and sump liner installation at the above-referenced facility. A summary of the assessment conducted during these activities, and our recommendations for further assessment, follows.

The sump and dispenser excavation activities were initiated on August 20, 1997, with the removal of concrete and pavement around the sump area of the tankpit. On August 21, 1997, the area was excavated, and soil samples were collected from sumps and connecting lines at depths of two and three feet. On August 26, 1997 the area under the dispensers was excavated and soil samples were also collected at depths of two and three feet. All samples were stored in 16 ounce Mason jars, covered with aluminum foil, sealed with the threaded im section of the jar lid, labeled with the sample number and depth, and allowed to stabilize for approximately five minutes. After stabilization, each sample was screened for hydrocarbon vapor concentrations with an OVA-FID organic trace gas analyzer. Concentrations exceeding 10,000 ppm were detected under both dispensers (Table 1; Figure 1).

During Liner Installation Procedures							
<u>Sample #</u>	<u>Depth</u>	OVA Reading (Un-Filtered)	OVA Reading (Filtered)	OVA Reading (Adjusted)			
1	2' 3'	100 ppm 150 ppm	ND 10 ppm	100 ppm 140 ppm			
2	2'	. 38 ppm	N/A	38 ppm			
3	3' 2'	4,500 ppm 300 ppm	50 ppm 30 ppm	4,450 ppm 270 ppm			
•	3'	380 ppm	35 ppm	345 ppm			
4	2' 3'	50 ppm 80 ppm	N/A N/A	50 ppm 80 ppm			
5	2'	200 ppm	35 ppm	165 ppm			
6	3' 2'	250 ppm 800 ppm	25 ppm 40 ppm	225 ppm 760 ppm			
·	3,	95 ppm	N/A	95 ppm			

Table 1 OVA-FID Analysis of Soil Samples Collected During Liner Installation Procedures Mr. David Chronister September 17, 1997 Page 2 (CFI #1006 - Liner Installation)

Table 1 (Continued) OVA-FID Analysis of Soil Samples Collected During Liner Installation Procedures

Sample #	Depth	OVA Reading (Un-Filtered)	OVA Reading (Filtered)	OVA Reading (Adjusted)
7	2'	180 ppm	20 ppm	160 ppm
	3'	150 ppm	20 ppm	130 ppm
8	2'	200 ppm	20 ppm	180 ppm
	3'	200 ppm	30 ppm	170 ppm
9	2' - 3'	>10,000 ppm	100 ppm	>9,900 ppm
10	2' - 3'	>10,000 ppm	80 ppm	>9,920 ppm
+	-			• • •

ND = Not detected

ND = Not analyzed

ppm = Parts per million

After the installation of the liners, the sump and dispenser areas were backfilled with the excavated soil. The remaining soil was stockpiled on site, and samples were collected and shipped to Toxikon Laboratories in West Palm Beach for "pre-burn" analysis. Upon receipt of analytical results, the soil stockpile (approximately 1.5 cy) will be transported to a thermal facility.

Tank and line tightness testing was conducted on September 2, 1997, after all lines were reconnected. All components tested tight (Appendix A).

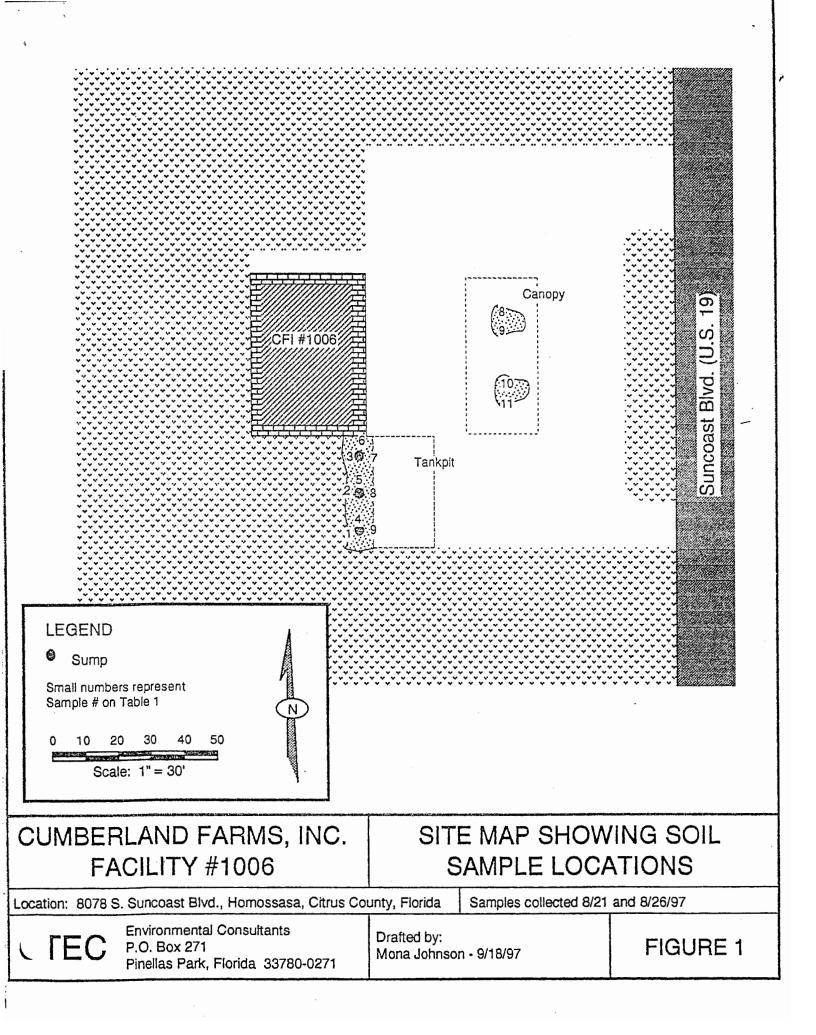
Because excessively contaminated soil was encountered in both excavated areas, it is recommended that closure activities be considered complete, and that the on-going assessment and remediation continue.

Please feel free to direct any questions or requests for clarification to my attention at the letterhead address or telephone number. Thank you for your assistance in this matter, and we look forward to hearing from you soon.

Sincerely, CTEC & Associates, Inc.

Moha P. Johnsón, P.G. Senior Geologist

cc: Mr. Tim Dowell, Project Manager Cumberland Farms, Inc.



	The storage to	win Towers Office Bidg. • 2	SUICE ASSES	mental Regulation Tallahassee, Florida 32399-240 SSMENT Form n place storage tanks shall use or 17-762, Florida Administrati	this form to d	emonstrate that a storage
	tive (EDI) and Reim	bursement [®] Program sites d	o not have to perform a Please Frin Complete All App	t or Type		
4 \L	 DER Facility ID Facility Name: . Facility Owner: . Facility Owner: . Facility Address Mailing Address Telephone Num Are the Storage Type of Product Were the Tank(st 	<u>Curcherlar</u> = 807-8 50.	<u>d Farms Fo</u> <u>d Farms</u> <u>Suncoast 1</u> <u>am Street</u> , 0 <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u> <u>900</u>	31vd., Hornoss Canton, Massac Facility Operator: <u>CF</u> and or Dunderground	sassa husetts	02021-9118
		 Is the facility particip Was a Discharge Rilf yes, When: <u>5/2</u> Is the depth to grout Are monitoring wells If yes, specify type: Is there free product Were the petroleum Specify sample type Were the petroleum Specify sample type Were the analytical I (See target levels or If a used oil storage Are any potable well 	Facility Assessme pating in the Florida Pet eporting Form submitted 27/92 and water less than 20 f is present around the sto Water monitoring the present in the monitor hydrocarbon vapor leve a: Vapor Monitoring hydrocarbon vapor leve aboratory results of the reverse side of this form a system, did a visual inst	ent Information roleum Liability Insurance and i to the Department? Where: <u>Cibrus C</u> eet? mage system? Vepor monitoring ing wells or within the excavate dis in the soils greater than 50 wells Soil sample(s) els in the soils greater than 50 wells Soil sample(s) soil sample(s) ground water sample(s) grou	ion? 10 parts per mil 1 parts per mil 1 parts per mil 1 soil indication	illion for gasoline? lion for diesel/kerosene? wable state target levels?
].	Northwest Dathet 160 Gournment Center Penadose, Annos 32501 5794 504-425-500	Northeast Detroit 7825 Beyrnescous Villey, Sues 8 200 Jacousowski, Fonds 32207 904-796-4200	Page 1 Central Dates 3218 Magure Bhid Sure 232 Onerod Ronce 32303-3787 407-804-7553	Scurrent Dianci : 4520 Dati Far Brig Tamos, Planos 32610-7347 Fort Mysr	South D-en-cz 2209 Bay SI 11. Across 13:001-2808 113-132-0875	Scutheast Devict 1900 S. Congress Ave, Suite A West Party Search, Ronde 33405 407-433-2850

].

An TAL	
CON DWATER & HOD	
· · · · · · · · · · · · · · · · · · ·	
# ACC IN 24 DEC	
	2

tailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, sorm drains, sample locations, spenser locations must accompany this form.

If a radiity has a polutant storage tank system that has both gasoline and karosene/diese stored on site, both EPA Method 502 and EPA Method 610 must be performed on the ground water samples obtained.

Amount of soils removed and receipt of proper disposal.

If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.300(1) indicating a suspected release shall be submitted to the Department within one working day.

A copy of this form and any attachments must be submitted to the Depertment's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

ionature d O 9-11-97 Signature d'Fersori Performina

F. CTEC Agent for CEC The d Person Fedoming Assessment 12010SI

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

State ground water larger levels are as known

For gasoline (EPA Method 502):

- a Benzene 1 ug/
- 5. Total VOA 50 ug/i
 - · Benzerie
 - Toluene
 - Total Xylenes
 - · Ethylbenzene
- : Hethy Kes-Buty 50 ug/ Ether (MT82)

2. For hercemetrieses (EPA Method 610):

a. Polynuclear Aromatic Hydrocarbons (PAHS)
 (Bast schiavable detection limit, 10 ug/ maximum)

ale an that the second se

SEP 11 /97 10:19

oumieri o						ntal Prote		Effective Date <u>D</u> DER Application	No				
	Storage Tank Registration Form												
		Please	Print or Typ	pe - Revie	ew Instruct	ions Before	Completin	g Form					
1. DE	R Facility ID Num	iber:	78503	049	·	2	Facility T	ype: <u>A</u>					
	3. New Registration 🗆 New Owner Data 🗆 Facility Revision 🖾 Tank Revision 🗆												
	5. Facility Name: Cumben LAND FURMS #1006 Tank(s) Address: 8078 South SULOOAST BLUD.												
	/State/Zip:		-					2017. 2	Co Ar				
	Site Manager/Co		\sim	IN YE		On Site	Telephone: <u>·</u>	52 120	52-03	60			
	ancial Responsib	<u> </u>						1					
	ik(s) Owner:			• •			Owner Num	ber:					
	ner Mailing Addr		-							-			
	/State/Zip:								_				
Co	ntact Person:	Kich.	nnd fei	ni; [0.	N		Telepi	none: <u>6/7</u>	1998-7	4910_			
75. Ne	v Owner Signatu	re/Chance (Date :			- <u> </u>		/	/	1			
L	ation (optional) Lat			" Lon	gitude:o	1 11	Section	Town	ship Ra	ange			
						acility (Use (
						- 19 for tanks			,				
			•		•								
9	10	11	12	13	14	15	16	17	18	19			
[/	8000	B	4-87	Ц	FAM	CJK	HZ.	4					
2	8000	B	4-97	_61	FAM	CJK	HZ	4					
3	8000	B	4-87	4	FIAIM	CJK	HZ	4.					
								••					
20	Reise FT	, Rie	hard	L.		DPR#	REC-L	1549	48				
	Ce	rtified Contrac	tor*			D	epartment of F	Professional Re	gulation Licer	nse Number*			
•F	r new tank instal	lation or tan	k removal							· .			
	To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.												
To the				tion submi	tted on this fo	orm is true, acc	curate and co	omplete.					
To the -				tion submit	tted on this fo	orm is true, acc	curate and co	omplete.					
To the				tion submi	tted on this for \mathcal{P}	orm is true, acc		omplete.	>-2-9	7.g			

r i name & tille of owner or authorized person CCA1(AC/D)1040 OUNDERVISON Northwest District Northeast District Contral District 160 Governmental Center 7825 Baymeacowa Way, Suite B200 Pensacola, Florida 32501-5794 Jacksonville, Florida 32256-7577 904-463-2300 904-448-4300 407-894-7555

Southwest District 3804 Coconut Parm Dr. Tampa, Flonda 33519 813-744-8100

South District 2295 Victoria Ave., Suite 354 Fort Myers, Florida 33901 \$13-332-6975

Southeast Distinct 1900 S. Congress Ave. Suite A. West Parm Beach, Flonca 33416 407-433-2650

. Fatal sizion		2. State government		н.	Agneuttural	
. Rasidance		Loss: government	•	н .	Indian land	
 Fuel user/non-retail Enland bulk petroleum storage 		County government Collection station		т. v.	Coastal bulk petroleum or chemical storage Manne lueling facility	
Industrial plant		.F. inland bulk chemical storage	e	z	Other, please specity	
Federal government		L. Chemical user	-	-		

- FINANCIAL RESPONSIBILITY	_	·			#9 - TANK ID NUMBER	
A. \$131	E Program -	Third pany hability/State contracto	r (FPLIPA/AIG)	• .:	(number sequentially, 1,2,3; or provide	
B. Stat	e mogran ·	Third pany hability/Self insurance	win other carner;		specific identifying name or number,	
C. C.		ciner lederal financial respo auting lederal financial responsibili	nsibility mechanism.		6 characters, maximum)	
D. Non			ly requirements.		10. TANK SIZE IN GALLONS	
	-		····			
1 - CONTENT	11			•		
Leaded gasoline	i.	Fuel - generator or pump			R. Ammonia compound	
Unleaded gasoline	F	Kerosene	•		S. Chiorine compound	· · .
Gasonol	, L .	Waste ou			T. Hazardous substance (CERCLA)	
Vehicular diesel	1	Fuel oil: on-site heat use only; all t	JSTs or ASTs <30K gais		U. Mineral and	
		Fuel oil, distribution, or on-site hea	al use ASTs > 30K gais		Y. Grades 5 & 6, bunker 'C' rasidual oils	
Jet fue!		New 2 lube of			W. Petrolaum-base additive	
Fuel - emergency generator	<u>.</u>	Pesiicide	이 수요 소리가 나는 소		X. Other, miscellaneous petroleum-base p	roduct
2- INSTALLATION		- TANK PLACEMENT	A = Aboveground lank		C = Aboveground Compression Vessel	
DATE (mm/yy)		FIGHTFEROLMENT	U = Underground tank		D = Underground Compression Vessel	
			o = oncerground tank;			
A - TANK CONSTRUCTION - choose	ie one prima	construction and all other cod	es that apply: primery is in	iner ti	ank construction for double wall tanks	
Primary Construction:						
	D. Unkn	0w51		X.	Concrete	
	E. Fiber			Υ.	Polyethylene	
	F. Filer	cass-clad side		Z.	Other DER approved tank material	
					•	. •
Overtill'Spill:		ABOX MEINE		ы.	Spill containment bucket	
	N. Frow : C. Tegna	5.7.57.55 T		Ρ.	Level gauges, high-level alarms	
	u dyn			Ω.	Other DER approved protection method	
Corrosion Protection:	G. Caine	cic protection - secnificial anode		н.	Cathodic protection - impressed current	
	t · Traub					
Secondary Containment:	R. Doubl	e wall construction: single material	t: outer tank material same a	es inne	er tank material	
		ette iner in tank excevation	ovier lank constructed of co	ncrete	e, approved synthetic material or tank "jacket"	
		cie, synthetic material, and/or ofisi	In aloue bosonth AST and in			
· · · · · · · · · · · · · · · · · · ·	E. Ottet	DER approved secondary containr	te days beneath AS I and In	Conta	anment area	
1977			nern system			
scellaneous attributes:	E. mem	ailmng	•	U .	Field erected tank	
-	L. Comp	zamenled			•	•
***************************************	*********		******			
15 - PIPING CONSTRUCTION - choo	ise one prima	ry construction and all other co	des that apply; primary is i	inner	pipe construction for double wall piping	
Primary Construction:	B. Steel	or galvanized metal			Unknown	
	C. Fiberg			Z.	Other DER approved piping material	
	N ADDIO	ved synthetic material	·····			1 1 1 1
	0 ¹ =	a crotective coaling				
Corrosion Protection		orcarly protected with sacrificial and		•	· · · · · · ·	
			de or impressed content			
Secondary Containment:	F. Doubl	wal construction: single material	: outer pipe material same a	s inne	er pipe material	
	K. Deubl	e wail construction: dual material; i	outer pipe constructed of ap	orove:	d synthelic material or pipe "jackst"	
a been map rigade ,	G. Symin	euc liner or boxtrench liner in pipin	g excavation or pipe contain	ment	area	
	1.3					
Miscellaneous stuributes:		ground, no contact with soil	· · · · · ·	K. "	Dispenser liners .	
		r picing system		L	Bulk product system	
· · •• · · • • • •	J. Press	unized piping system		н.	Airport/seaport hydrant system	

6 - LEAK DETECTION METHODS -		· · · ·		-	14 · · · · · · ·	
Site/general:		istically sampled wells		B.	Manually sampled wells	
		dwater monitoring plan		D.	SPCC Plan	
		owater monitoring system		0.	Vapor monitoring system	
		cuirec - see rule for exemptions		X.	None	
	Y. Unkno	1.20		Ζ.	Other DER approved monitoring method	
Tank and basis	E. Interst	iliai space - tank/liner		,	Automatic tack causian	
Tank monkoring:		ilial scace - couble wall tank		м.	Automatic tank gauging	
	F. Interci	Illai scace · couble wall tank		m.	Manual tank gauging	
Ploing monitoring:		delector, auto shut of		J.	Interstitial space - piping/liner	
riping mornaring.		flow restriction		к.	Interstitial space - double wall piping	
7 . TANK STATUS &/or TANK DISP					#18 - GALLONS LEFT	
P	ed with sanz.	concrete or other inen material; AS	T rendered unusable		in out-ol-service tank	
red from the site * A or	B: Closure A	ssessment required after 12/10/5	0 (UST); 03/12/91 (AST) - 1	EDI sh	tes excluded #19 - LAST USED DATE (mm/yy	3
construction modified to a	non-regulate	d status (Skid tank or tank encid			or date of permanent do	•
Unmaintained tank - not in use or	lo be usea, a	nd not propeny disposed	-			
Temporarily out-of-service						
In-service						

R Form 17-761.900(2) Codes List 044	N.N.					

	For Tile Lourd For in Carlin Courses
Trais Towers Office Bldg. 2600 Blar Stone Road & Tallahasson, Florida 32399-2400	Edward Date Destate 16, 1949
FLORIDA 1	DEP Application No (Filled in by DEP:
Underground Storage Tank Installation and Remo	val Form
· -	
For Certified Contractors	
	•
liutant Storage Systems Contractor as defined in Section 489.105, Florida Statutes (certified contractors as de -761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or rem rated at the address listed below was performed in accordance with Department Reference Standards.	
eneral Facility Information	
1. DEP Facility Identification No.: 098503049	
2. Facility Name: Cumber Hand FARMS Telephone: (352) 382 - 052	0
3. Stree: Address (physical location): 8078 South SUN COAST BL	
HCMAD SSASA FL. 34446	
	аналия — — — — — — — — — — — — — — — — — — —
4. Owner Name: Combarband FARMS IL Telephone: (17, 528-490	
5. Owner Address: 777 Decham STREED, CENTON M.	1. 02021 -
6. Number of Tanks: a. Installed at this time b. Removed at this time	
7. Tank(s) Manufactured by: 98 Upgrade	_
	G
3. Date Work Initiated: <u>8-19-97</u> 9. Date Work Completed: <u>7-2</u>	-91
derground Pollutant Tank Installation Checklist Please certify the completion of the following installation requirements by placing an (X) in the appropriate box.	
1. The tanks and piping are corresion resistant and approved for use by State and Federal Laws.	R
 Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protection Association) (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-94 and the manufacturers' specified 	30(96), AP!
 Tanks and piping protosted and installed in accordance with NFPA 30(96), API 1615, PEI/RP100-94 and the man specifications. 	nulacturers 🛛
 Steel tanks and piping are cathodically protected in accordance with NFPA 30(96), API 1632, UL (Underwriters 1746, STI (Steel Tank Institute) R892-89 and the manufacturers' specifications. 	Laboratory)
5 Tanks and piping tested for tightness after installation in accordance with NFPA 30(96) and PEI RP100-94.	X
6 Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 62-761.640, Fl Administrative Code (F.A.C.)	
7. Spill and overfill protection devices installed in accordance with Section 62-761.500, F.A.C.	
8. Secondary containment installed for tanks and piping as applicable in accordance with Section 62-761-500, F.A.(c. 🔲
Please Note: The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issu	
Underground Pollutant Tank Removal Checklist	
losure assessment performed in accordance with Section 62-761.800, F.A.C.	\mathbf{X}
2. Underground tank removed and disposed of as specified in API 1604 in accordance with Section 62-761.800, FL	A.C. NIA

ಶಾಸ್ತ್ರಗಳಲ್ಲಿ ೧೯೯೯ ರಂಗ

17.12

• -

••••

Lan Dia Director DEP Assurance No.

(Pilled in by DEP

I herby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Protection; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 62-761, Florida Administrative Code (and its adopted reference sources form publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

Certification

elselT, Kichk (Type or Print)

Certified Pollutani Tank Contractor Name Pollutant Storage Systems Contractor License Number (PSSC)

ertified Tank Contractor Signature

Will

(Type or Print) . Field Supervisor Name

<u>PSSSC Number</u>

Field Supervisor Signature

he owner or operator of the facility must register the tanks with the Department upon completion of the installation. The installer must su is form no more than 30 days after the completion of installation to the Department of Environmental Protection at the address printed at the i page one.

PETROLEUM CONTAMINATION INITIAL REMEDIAL ACTION REPORT FORM

An Initial Remedial Action report, summarizing the initial remedial action (IRA), should be prepared to satisfy the requirements of Chapters 17-770.630(1)14; 17-773.500(1)(a)4; and 17-773.500(2)(a)4, Florida Administrative Code, (FAC). This form may be used for the IRA report. The report should be sent to the appropriate local program and:

Florida Department of Environmental Regulation Bureau of Waste Cleanup Engineering Support Section 2600 Blair Stone Road Tallahassee, FL 32399-2400

I. FACILITY NAME: <u>Cumberland Farms Facility #1006</u> Facility Address: <u>8078 S. Surcoast Blvd.</u>, <u>Homosassa</u> DER Facility Number (if applicable): <u>098503049</u> Date IRA Initiated: <u>8/20/97</u> Date IRA Completed: <u>9/2/97</u> =

II. FREE PRODUCT RECOVERY N/A

A. Type(s) of Product Discharged:

- B. Quantity
 - 1. Estimated Gallons Lost:
 - 2. Gallons Recovered: _____through _____ (date)
 - Attach Exhibit Indicating Amount of Product Recovered, Dates and Cumulative Totals.
- C. Attach a Scaled Site Plan, Indicating the Locations and Product Thickness in Wells, Boreholes, Excavations, or Utility Conduits and Wells Utilized for Recovery of Free Product.
- D. Method of Product Recovery:
- E. Type of Discharge During Product Recovery:

MAY 1992

Florida Department of Environmental Regulation

Type of Treatment, i.e., Oil/Water Separator: F.

		• • • •					
Attach	Written	Proof	of	Proper	Disposal	of	Recovered
Product	:	••					

III. SOIL EXCAVATION

G

NOTE: Soil shall be defined as excessively contaminated using the procedure stated in Chapter 17-770.200(2); FAC. Representative soil sampling shall be performed as close to the time of excavation as possible, but at no time shall exceed three (3) months prior to the start of excavation. Stockpiled soils greater than thirty (30) days on site waiting for treatment and disposal, must be re-sampled immediately prior to disposal to assure soils are still excessively contaminated.

If soil sampling data indicates that the amount of soil that is excessively contaminated exceeds 1500 cubic yards, treatment of all excessively contaminated soil at the site shall be addressed in a remedial action plan, and no soil IRA activities shall be performed except for the removal of soils in the immediate vicinity of the tanks.

Only soil above the ambient water table at the time of excavation can be considered as excessively contaminated soil. and a second second

Unless the established weight per unit volume of 1.4 tons/cubic yard (as referenced in FAC Rule 17-775) is used for the excavated soil, the weight per unit volume must be determined by a field test (in which an accurately measured volume of soil is weighed) at the time of excavation.

Α.	Volume	of	Contaminated	Soil	Excavated	in	Cubic Yards:
	11/2		Dimensions	Inclu	uding Depth	of	Excavation(s):
	Tankysit -	35	'x10'x3'	Diop	ensers - (2)	10	'x 10'x 3'

NOTE: Attach written proof from the Department in the form of an Alternate Procedure Approval Order authorizing excavating over 1500 cubic yards if applicable. Authorization must be prior to the excavation of soils.

Type(s) of Product in soil: Unleaded gaseline в. MAY 1992

Florida Department of Environmental Regulation

- Depth (ft) to Groundwater at the Time of с. Excavation(s):
- Did Dewatering (i.e. groundwater depression) Occur at Time D. of Excavation?: No
- E. Type of Instrument and Method Used to Determine Excessive soil contamination: OVA - FID (Sensidyne)
- F. Attach a table that compares the OVA-FID readings taken with charcoal filter verses readings without filter. Include vertical depths for each sample.
- Using the OVA procedure for defining excessively G. contaminated soil as referenced in Rule 17-770.200(2), FAC, include a scaled site plan with the information listed below:

Location of excavation, old tank farm, dispensers, and 1. product lines, present tank farm, and all soil samples. The corresponding OVA-FID readings for each soil sample (with charcoal filter and without) and its depth must be given.

Sampling Procedure is as follows: 2.

Start sampling in a location where it is suspected that excessively contaminated soil exists. Sample from the first soil boring outward in a grid pattern, at five (5) to ten (10) foot intervals, until the perimeter of the excessively contaminated soil plume is defined. Vertical sampling should be performed starting approximately at the initial area of contamination and continued at three (3) foot intervals, or fraction thereof, until a depth approximately one (1) foot above the water table is reached.

- Copies of Laboratory Analyses for Pre Treatment Soil Samples н. as Required in Chapter 17-775.410(3), Table II, FAC Must be Attached.
- I.

Were Tanks Replaced at this Site?: No

Florida Department of Environmental Regulation

MAY 1992

IV. SOIL TREATMENT AND DISPOSAL

7

Method	of	Treatment	of	Excessively	Contami	nated
soil: T	auspi	ortation	to c'	Hermol	facility	upon
recein	- of	Snalyses.	•			,
				· · · · · · · · · · · · · · · · · · ·		

B. For Off Site Treatment and Disposal at Permitted STTF, Land ---Farms, or Landfills Attach Documentation From the Treatment Facility Which Confirms the Weight or Volume of Soil Treated and Date Received.

For Other Treatment and Disposal Methods (i.e. On-Site Land Farming, Bioremediation), Attach Post Treatment Laboratory Analyses for Each 250-300 Cubic Yards of Treated Soil in Accordance With Chapter 17-775.400 and the "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils", Edition February 1991 or Most Current Revision.

For Mobile Thermal Treatment Units, Attach Laboratory Analysis per Chapter 17-775(5), FAC.

C. Method of Disposal of Contaminated Soil and Indicate Recipient and Address: <u>Thermal treatment (upon recept</u> of Analytical results.

V. ADDITIONAL COMMENTS:

uson CTEC, Agent for CFE on 9/18/97 CIEC, Acen Title, Affiliatio

Florida Department of Environmental Regulation

MAY 1992

Appendix A

Results of Tank and Line Tightness Testing Conducted September 2, 1997

ne na series de la serie de la s

DOWN UNDER TANK TESTING OF FLORIDA, INC.

2032 VISTA DRIVE NORTH PALM BEACH, FL. 33403 OFFICE (561) 691-9333 FAX (561) 627-2623

CUMBERLAND FARMS, INC. CUMBERLAND FARMS #1006 777 DEDHAM STREET 6073 SUN CUAST HWY, CANTON, MA. 6073 SUN CUAST HWY, D2021 HOMOSASSA, FL CONTACT: RICHARD ETZOLD CONTACT: RICHARD ETZOLD PHONE: 617.928 4900 X3378 USTOMER P.O.#: FEST DATE: USTOMER P.O.#: FEST MATE: PLD 40267-0720 SIUL FO SIUL FO SIUL SO SIUL SO SIUL SIUL SIUL SIUL SIUL SIUL SIUL SIUL SIUL SIUL SIUL SI		E ADDRESS:				TEST LOCA	TION:		
PHONE: 617-928-4900 X3378 PHONE: USTOMER P.O.#: VEST DATE: 09/03/97 START: 07:00 END: 11:30 TYPE SERIAL NUMBER PRODUCT RES. ML. OPENING TEST LEAK RATE HOLDING PSI METERING PAS TYPE SERIAL NUMBER PRODUCT RES. ML. OPENING TEST LEAK RATE HOLDING PSI METERING PAS PLD 40287-0720 S/UL 50 3 3 20 NGME 40287 r 02571-6302 R/UL 60 3 3 12 12 4	CUM 777 Can	BERLAND FARMS, IN DEDHAM STREET TON, MA.	S			CUMBERLAND 8078 SVN CO	FARMS #1006 AST HWY, .		. •
TYPE SERIAL NUMBER PRODUCT BES. ML. OPENING TEST LEAK RATE HOLDING PSI METERING PAY TIME PSI PLD 40287-0720 S/UL 50 3 3 20 NGNE 7 02571-6302 R/UL 60 3 3 12 12 /									
TIME PSI PLD 40287-0720 SIUL 50 3 3 20 NGNS 1 r 02571-6302 RIUL 60 3 3 12 <th>USTOME</th> <th>I P.O.#:</th> <th></th> <th>IEST DATE :</th> <th>09/03/97</th> <th>START: D</th> <th>7:00</th> <th>END: 11</th> <th>:30</th>	USTOME	I P.O.#:		IEST DATE :	09/03/97	START: D	7:00	END: 11	:30
r 02571-6302 R/UL 60 3 3 12 12 /	түре	SERIAL NUMBER	PRODUCT	RES. ML.		TEST LEAK RATE	HOLDING PSI		PASSIFAI
	PLD	40287-0720	S/UL	50	3	3	20	NGME	FAIL
. ILLEGISLE UL/+ 65 3 3 18 12 4	r	02571-6302	RIUL	60	3	3	12	12	FASS
		ILLEGISLE	131,)+	6ū	3	3	18	12	P455
TEST OF NEWLY INSTALLED (REPLACEMENT FOR FAILED) LEAK DETECTOR		TES	ST OF NEWLY	'INSTALLED (A	REPLACEMENT	FOR FAILED) LEA	K OETECTOR		
FX1V 010895-1592 S/UL 60 3 3 14 8 /	FXIV	010895-1552	Տ/ՍԼ	60	3	Ĵ	. 14	8	PASS
							-	•	

	ITH & AIT
.TIFIED TECHNICIAN:	When sunday
CERTIFIED TECHNICIAN LICENSE	REGISTRATION NOL ACOOS6498

DUTT JOB #: 3-443

2062 VISTA DRIVE NORTH PALM BEACH, FL. 33408 OFFICE (561) 691-9333 FAX (561) 627-2623

INV JICE A	DDRESS:		TEST LOCATION:						
CUMBERLAND FARMS, INC. 777 DEDHAM STREET CANTON, MA.			CUMBERLAND FARMS #1006 3076 SUN COAST HWY.						
ONTACT: RI	HARD ETZOLO			CONTACT:					
HONE: 617-628-4900 X3378									
ISTOMER P.O.		TEST DATE :	09/03/97	STABT: C7:00	E:1D:	11:30			
PRODUCT	START VOLUME (ML)	END VOLUME (ML)	VOLUME DIFF. (GPH)	PUMP type	Test pressure (PSI)	PASSIFATI			
SIUL	216	200	.010	STP	50	PA\$5			
8/UL	280	192	.006	\$TP	50	PASS			
Ul(+	194	180	.014	STP	50	PASS			

CONFIRMATION TEST IF FIRST TEST FAILED

DDITIONAL INFORMATION: TEST OF 3 PRODUCT LINE(S) USING THE AES PLT-100R (HYDROSTATIC PRESSURE TEST). THE PRODUCT LINES ARE TIGHT. LEAK DETECTOR TEST RESULTS ATTACHED.

URRENT LOCAL STANDARDS DICTATE THAT FOR UNDERGROUND FIPING, THE MAXIMUM ALLOWABLE LEAK/GAIN RATE OVER THE PERIOD OF ONE HOUR IS .05 GALLONS,

	AA	- A	Tr		
IED TECHNICIAN :	WVS	mant	had-	BUIT JOB #:	3 4 4 3
		$\langle \rangle$			

197 EVE 9539 TO CTEC

⊆9'~;

THEMBANORINMEHIES HE ZEIST 46, 55 HEB

2062 VISTA ORIVE NORTH PALM BEACH, FL. 33408 OFFICE (561) 691-9333 FAX (561) 627-2623

USTEST 2000/P (UNDERFILL) and 2000/U (ULLAGE) TANK TEST RESULTS

VOICE ADDRESS:	TEST LOCATION:
CUMBERLAND FARMS, INC.	CUMBERLAND FARMS #1005
777 DEDHAM STREET CANTON, MA.	8078 SUN COAST HWY.
D2021	HOMOSASSA, FL

NTACT: RICHARD ETZOLD

HONE: 617-828-4900 X3378

CONTACT;

PHONE:

3

TOMER P.D.#:		TEST DATE :	09/03/97 ST	ART: 07:00	END: 11:30	
танк#	CAPAGITY	PRODUCT	UNDERFILL TEST RESULTS	UNDERFILL TEST LEAK RATE	ULLAGE TEST	
1	16000	S(UL	FASS	.03	PASS	
2	10000	RUL	FASS	.63	FASS	
ŝ	10000	UL/-	PASS	.02	FAS5	

ADDITIONAL INFORMATION: TEST OF 3 TANKISI USING THE USTEST 2000/P (UNDERFILL) AND 2000/U (ULLAGE) ULLAGE TEST SYSTEM, USING POSITVE PRESSURE,

THE TANKS ARE FIGHT. PRODUCT LINE TEST RESULTS ATTACHED.

RRENT LOCAL STANDARDS DICTATE THAT FOR UNDERGROUND FUEL TANKS, THE MAXIMUM ALLOWABLE LEAK/GAIN RATE OVER THE PERIOD OF ONE HOUR IS .05 GALLONS.

test system with the probability of detection of 95% and a p	,,
L	
D TECHNICIAN: William the	DUTT JOB #: 3-443

DOWN UNDER TANK TESTING OF FLORIDA, INC.

2062 VISTA DRIVE NORTH PALM BEACH, FL. 33403 OFFICE (EG1) 691-9333 FAX (561) 627-2623

PRECISION TANK TIGHTNESS TEST - SITE INFORMATION

INVOICE ADDRESS:

CUMBERLAND FARMS, INC. 777 DEOHAM STREET CANTON, MA. 02021

TEST LOCATION:

CUMBERLAND FARMS #1006 8078 SUN COAST HWY. HOMOSASSA, FL

CONTACT: RICHARD ETZOLD

PHONE: 617-828-4900 X3378

CONTACT: PHONE:

CUSTOMER P		TEST D	ATE: 09/03/97		RT: 07:59	END:	11:30
TANK#	CAPACITY	PRUDUCT Type	PRODUCT Level	inches of Hzoitank	TANK TYPE	TANK DIAMETER	DEPTH TO GBOUNDWATER
1	10000	S/UL	76.95	0.00	STEEL	96"	74"
	16000	R/UL	77.72	0.00	STEEL	96"	74"
-	10000	UI./+	74.67	0.00	STEEL	967	74"

REASON FOR TESTING:

POST CONSTRUCTION AFTER INSTALLATION OF CONTAINMENT UPGRADES

ADDITIONAL INFORMATION:

HE ABOVE INFORMATION WAS COLLECTED AT THE TEST LOCATION DURING THE TIME OF THE TEST, OR PROVIDED BY A SITE EPRESENTATIVE. IF ANY OF THIS INFORMATION IS FOUND TO BE INCORRECT, THE TEST RESULTS MAY BE AFFECTED AND/OR ONSIDERED INVALID, ALL DISCREPENCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE TEST COMPANY FOR FURTHER VALUATION.

CERTIFIED TECHNICIAN :	WILLE
FRTEFFD TECHNICIAN II	

DUTT JOB #: 3-443

NOV 38 1994

3

100

INTRODUCTION 1.0

2.0

Technical Review Section EE&G, Inc., was retained by Cumberland Farms, Inc., to perform supplemental Contamination Assessment (CA) tasks in accordance with Chapter 62/17-770, Florida Administrative Code (F.A.C.), at Cumberland Farms Store #1006, 8078 Suncoast Boulevard, Homosassa, Citrus County, Florida. The FDER facility ID number for this site is #098503049.

1.1 BACKGROUND

Supplemental CA activities were conducted at the above referenced site in response to a CARA review letter issued by the FDEP/Tallahassee Technical Review Section on August 2, 1994 (please see Attachment 1), which requested responses to nine (9) specific comments.

1.2 SCOPE OF WORK

Three (3) additional groundwater monitoring wells were installed and sampled. All site monitoring wells were gauged to verify groundwater flow direction and establish the extent of free product. A soil vapor survey was conducted to establish the extent of "excessively contaminated" soil. Construction details of all site monitoring wells were determined. A summary of remedial activities performed at the site is provided.

1.

2.0 SUPPLEMENTAL CONTAMINATION ASSESSMENT TASKS

2.1 RESPONSE TO COMMENTS #1 AND #2

6

The extent of free product was determined by gauging and bailing all of the site monitoring wells using hand held interface probes and bailers. Probes and bailers were decontaminated before moving to the next well. The gauging data is tabulated on the Water Table Elevation Calculation Sheet, presented as Attachment 2. The extent of free product, as determined by observed bailer thicknesses, is shown in Figure 1, and summarized in Table 2.1.

TABLE 2.1 Cumberland Farms #1006 8078 Suncoast Blvd., Homosassa, FL FREE PRODUCT THICKNESS SUMMARY

Well	Free Product Thickness (inches)
MW-2	sheen only
MW-3	sheen only
MW-6	sheen only
MW-7	sheen only
MW-8	0.25
MW-9	0.50
RW-1	0.50

wells gauged 09/14/94

Free product recovery, in accordance with Chapter 62/17-770.300(1),

F.A.C., has been resumed at the subject site.

ł

li

2.3.1 SHALLOW MONITORING WELLS

Borings for water table wells MW-20 and 21 were advanced to total depths of twelve (12) feet below grade with eight (8) inch hollow stem augers using a truck mounted drilling rig. The borings were completed as wells using two (2) inch Schedule 40 PVC pipe set to the total depth of each well. Intervals of machine slotted (0.010" slot size) PVC extended from the bottom of the well to a depth of about two (2) feet below grade, followed by two (2) inch PVC solid riser to the surface. The annular volumes were back filled with graded 20/30 sand to approximately one (1) foot above the screened intervals. Six (6) inch layers of bentonite were placed above the sand, and the remaining annular volumes were filled with grout.

Ċ

2.3.2 VERTICAL ASSESSMENT WELL

ij

.,

. 1. The boring for vertical assessment well VA-2 was advanced to approximately twenty-two (22) feet below grade using ten (10) inch hollow stem augers. Four (4) inch blank PVC casing was set in place and cemented with grout. A three and five eighths (3-5/8) inch tricone bit was then used to advance a borehole to a total depth of twenty-nine (29) feet below grade. The hole was circulated clean and the drilling assembly pulled out and laid down. Two (2) inch PVC was set to the total depth of the well. A screened interval of machine slotted (0.010" slot size) PVC extended from the bottom of the well to a depth of about twentyfour (24) feet below grade, followed by two (2) inch PVC solid riser to the surface. The annular volume was back filled using a

"tremmie" pipe. Graded 20/30 sand was used to a depth of approximately one (1) foot above the screened interval. A one (1) foot layer of bentonite pellets was placed above the sand, and the remaining annular volume was filled with grout.

2.3.3 SOIL DISPOSAL PROFILE ANALYSIS

As indicated in Table 2.2, soil samples collected from the boring for MW-21 were found to be "excessively contaminated" according to Chapter 62/17-770.200(2), F.A.C. For this reason, all of the soil/cuttings resulting from the installation of MW-21 and adjacent vertical extent well VA-2 were containerized in fifty-five (55) gallon drums for subsequent disposal. A composite sample was collected from the drums of cuttings, placed in the appropriate containers (please see Attachment 4), and transported in an iced cooler to the Toxikon, Inc., laboratory in West Palm Beach, Florida, for disposal profile analyses by EPA methods 8010, 8020, 9073, and for total RCRA metals Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver. The results of these analyses The complete results of the are summarized in Table 2.3.3. disposal profile analyses are presented in Attachment 5 (Toxikon Work Order 94-09-169).



1209 TECH BOULEVARD, SUITE 202 TAMPA, FL 33619 813-612-5900 FAX: 813-612-5910 WWW.ECSMARIN.COM

ENVIRO ゝ = 듣 5 NOIL

Quarterly Remedial Action System Status Report Year 2, Quarter 3 (March 2003 to May 2003) Cumberland Farms #1006 8078 South Suncoast Blvd. Homosassa, Florida FDEP Facility ID #098503049

June 30, 2003

Prepared for: Ms. Betsy Skinner Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Florida 32399

Prepared by: ECSMarin 1209 Tech Blvd., Suite 202 Tampa, FL 33619 Project # 60166.30



1209 TECH BOULEVARD, SUITE 202 TAMPA, FL 33619 813-612-5900 FAX: 813-612-5910 WWW.ECSMARIN.COM

June 30, 2003

ECS Project #60166.30

Ms. Betsy Skinner Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Florida 32399

Quarterly Remedial Action System Status Report Year 2, Quarter 3 (March 2003 to May 2003) Cumberland Farms #1006 8076 South Suncoast Blvd. Homosassa, FL FDEP Facility ID. #098503049

Dear Ms. Skinner:

Environmental Compliance Services, Inc., d.b.a. ECSMarin, has prepared the following Quarterly Remedial Action System Status Report to document remedial system performance and site rehabilitation activities performed at the above referenced facility between March 2003 and May 2003, during the third quarter of year two of remedial system operations. The remedial system was activated for full time operation on May 21, 2002.

1.0 Introduction

The remedial system at the referenced facility consists of an air-sparge (AS) unit and a soil vapor extraction (SVE) unit that operate concurrently to recover petroleum hydrocarbons from the groundwater and soil beneath the facility. The AS unit, which supplies compressed air to sixteen sparge wells (SW-1 through SW-16), volatizes and promotes aerobic biodegradation of petroleum hydrocarbon impacted groundwater, while the SVE unit, consisting of nine horizontal extraction wells (SVE-1 through SVE-9), recovers volatized petroleum hydrocarbons from the vadose zone. SVE off-gas vapors are treated by granular activated carbon prior to discharge to the atmosphere. The site map is shown on Figure 1. A remedial system equipment summary is presented on Table 1.

2.0 Maintenance Summary

Routine operation and maintenance (O&M) visits were conducted monthly during the reporting period. Additional site visits were conducted as needed. The following

summarizes the routine site visit activities as well as supplemental O&M site visits to address performance issues that arose during the reporting period.

- March 11, 2003: The remedial system was not operational upon arrival due to an overload condition on the SVE motor variable frequency drive (VFD). Hour readings from the AS compressor and the SVE blower were recorded. The oxidizer was disconnected and replaced by a 2000-lb carbon vessel. The oxidizer could not be removed from the site due to the size of the truck required for transportation. The system was reactivated.
- March 13, 2003: A different transportation company was used to remove and ship the oxidizer from the site.
- March 24, 2003: The remedial system was operational upon arrival. Remedial system readings and SVE influent and Effluent vapor samples collected. System was operational upon departure.
- April 11, 2003: The system was operational upon arrival. Remedial system readings and air samples collected. System was operational upon departure.
- May 12, 2003: The system was down upon arrival to an overload condition on the SVE motor variable frequency (VFD). Remedial system readings and air samples collected. System was operational on departure.
- May 14, 2003: System was operational upon arrival. Quarterly groundwater sampling was conducted with samples collected from MW-2, MW-3, MW-5, and MW-8.

3.0 Recovery Performance Data

System operational data is presented in **Table 2**, and a remedial system performance summary is presented in **Table 3**. For the period of February 27, 2003 to May 12, 2003, the AS and SVE were operational for approximately 86.6 percent and 78.1 percent of the period, respectively. System down time was attributable to power losses. Approximately 80 gallons of water was entrained by the SVE laterals during the reporting period.

Based upon the sum of individual flow rates (**Table 4**), the AS system operated at total flow rates between an estimated 73.8 and 81.1 standard cubic feet per minute (scfm) during the period. AS well pressure and flow data are presented in **Table 4**.

Over the period, the SVE system operated at total extraction flow rates between approximately 169 and 202 scfm (Table 2). The SVE blower airflow rates were determined through manual measurements of the discharge flow or from the summed flow measurements of individual wells. SVE manifold and wellhead vacuum data are presented in Table 5.

To evaluate mass recovery and emission rates, carbon influent and effluent vapor samples were collected monthly for analysis by EPA Method 18. Based upon the influent total light petroleum hydrocarbon (TPH) concentrations and the calculated vapor recovery rates, an estimated 156.8 pounds of contaminant mass were recovered from February 14 through May 14, 2003 (Table 6). Copies of the vapor analytical reports are presented in Appendix A.

On March 24, 2003, dissolved oxygen (DO) and vacuum/pressure influence data were collected from some of the monitoring wells located in the vicinity of the AS/SVE network to evaluate remedial system influence (**Table 7**).

4.0 Water Table Elevation Data

In conjunction with the quarterly groundwater sampling event on May 14, 2003, site monitoring wells were gauged for depth to water with an electronic, water table interface probe. The depth to water readings and corresponding groundwater elevation data are presented in **Table 8**. As shown on **Figure 2**, groundwater in the upper surficial aquifer beneath the site flows generally to the north-northwest of the facility.

5.0 Site Rehabilitation Data

To monitor the site rehabilitation progress, groundwater samples were collected from the designated quarterly sampling monitoring wells MW-2, MW-3, MW-5, MW-8, and MW-21 on May 14, 2003. The samples were analyzed for dissolved petroleum hydrocarbons by EPA Methods 8021 (BTEX/MTBE), 8310 (PAHs), and TPH by FL-PRO. A copy of the laboratory analytical report and monitoring well purge logs from the quarterly sampling event are presented in **Appendix B**.

The groundwater analytical results are summarized in **Table 9**, and a benzene concentration contour map from the quarterly sampling event is shown on **Figure 5**. The analytical results indicate that the benzene, ethylbenzene, and total xylenes concentrations in all of the designated quarterly monitoring wells and the toluene concentration in MW-3 exceed the Natural Attenuation Default Concentrations (NADCs), established under Chapter 62-777 of the Florida Administrative Code (FAC). A comparison between the February 13, 2003 and May 14, 2003 analytical results indicates a decreasing trend in total VOA concentrations in MW-2, MW-5, MW-8 and MW-21 (24, 7.3, 5.3, and 16 percent reductions, respectively), while the total VOA concentration in MW-3 has increased by 17 percent.

6.0 Summary and Recommendations

This quarterly report documents AS/SVE remedial system performance and site rehabilitation efforts for the period of March 2003 to May 2003. Over the period, the remedial system achieved an operational status of approximately 78.1 percent for the SVE system and approximately 86.6 percent for the AS system. The system down time was attributed to power loss. The system operated continuously through the end of the reporting period.

During the period, the SVE system recovered approximately 156.8 pounds of petroleum hydrocarbons. The SVE system also recovered approximately 80 gallons of water from the SVE laterals.

Quarterly Remedial Action System Status Report Cumberland Farms #1006

The analytical results from the May 14, 2003 sampling event indicated that all five monitoring wells sampled yielded dissolved hydrocarbon concentrations above the NADCs, established under Chapter 62-777 of the FAC. A decreasing trend in total VOA concentrations was observed in MW-2, MW-5, MW-8 and MW-21 since the February 13, 2002 sampling event, but no significant change in the areal extent of hydrocarbon impacts has occurred over this period.

Based upon the findings of this report, ECSMarin believes that the remedial system is effectively rehabilitating the site. ECSMarin recommends continuing remedial system operations to aid site rehabilitation efforts. Please contact me at (813) 612-5900 ext. 207 with any questions or comments regarding this report.

Sincerely, Environmental Compliance Services, Inc.

aptano for

James T. Cheze Project Manager

cc: D. Polleys - Cumberland Farms, Inc.

I

TABLES :

TABLE 1: REMEDIAL SYSTEM SUMMARY

Facility Name:	Cumberland Farms #1006	
Facility Address:	8078 South Suncoast Blvd., Homosassa, FL	
FDEP#	098503049	
Startup Date:	5/21/02	
Groundwater Recovery		-
Recovery Well ID#	NA	
Screen Interval		
Drawdown		
Design Flow Rate (GPM)	· · · ·	
Design Influent Concentration		
Effluent Polishing Type		
Gallery Design Size	· · ·	
Other (e.g. FP Recovery, Pretreat)	165-gallon secondary holding tank for knockout	
Permits	NA	
(e.g. NPDES, consumptive use)		
Soil Treatment_		
VES Well ID#	SVE -1 through SVE-9	
Screen Interval	5 ft. of horizontal screen	
Design Flow Rate	30 cfm/well maximum (based on 8 wells)	
Off Gas Treatment	propane gas powered thermal oxidizer	
Other	variable speed blower	
Air Sparging	· · · · ·	
Sparging Well ID#	SW-1 through SW-16	•
Screen Interval	8 - 10 ft bis	
Design Flow Rate	5 cfm/well @ 7 psi (based on 15 wells)	
Equipment & Specifications		Availability
SVE blower	15HP, Baldor Electric, 3-phase, 230-460V, variable speed	
	Roots Universal, 70-250 scfm	
Moisture separator	80-gallon, Brunner, with transfer pump	
Transfer Pump	1HP, Goulds Pump, 3-phase, 230V, 10gpm @ 50'TDH	
AS blower	10HP, Toshiba International, 3-phase, 230/460V,	
	Becker KDT 3.140, 75 scfm @ 7.5 psi	
Control Panel	NEMA 4, SVE variable speed drive controller, amp & hour meters	
(Brand & List components)		
Surge Protection (Mfg & Type)	· ·	
Other		
Telemetry (Mfg)		Phone #:
	SYSTEM REPAIR HISTORY	
Date	Part Replaced or Modificati	оп
8-15-02 & 8-16-02	Removed 2,000 pound vapor phase carbon vessel and installed a prop	pane powered thermal
	oxidizer for SVE off gas treatment	
3-11-03 & 3-13-03	Removed thermal oxidizer and reinstalled 2,000 pound vapor phase c	arbon vessel
		· · · · · · · · · · ·
		•
		<u> </u>
	· · · · · · · · · · · · · · · · · · ·	
	<u> </u>	
F:\data\JOBS\50166.30\Reports\3rd qua		

TABLE 2: SYSTEM OPERATIONAL DATA

Facility Name: Cumberland Farms #1006

Facility (D#: 098503049

	Γ			SVE S	SVE System Readings	dings				ASS	AS System Readings	dings				Catox Readings	ings	
toy oto				V1-100	VI-101	TI-101	PI-101			-'	PI-201	TI-201	Elow		Ctack	I D Tank	Left LP	Right LP
Date	Time	Hour	Amp Meter	Moisture Separator	Pre- Blower	Blower Effluent	Blower Effluent	Rate	Hour Meter	Amp Meter	Blower Effluent	Blower Effluent	Rate	Hour Meter	Temp	Level (%	Feed Pressure	Feed Pressure
					(in H ₂ O)	(• F)	(in H ₂ O)	(scim)			(isd)	(° F)	(scim)			(im)	(in H ₂ O)	(in H ₂ O)
1/24/02	17:20	6.6		14.5	20	90	2	225	4.4		7.4	130	49.8					
5/21/02	11:00	. 6.6	9.0	.16	22	110	4	225	4.4	36.0	6.0	140	46.7					
5/28/02	14:00	24.8							21.4									
6/1/02	13:40	24.8							21.4									
6/4/02	14:00	26.1	14.0	15	21	105	5	225	22.2	24.0	5.5	140	64.5					
6/11/02	11:00	192.9	15.0	16	24	105	4	225	189.2	23.0	4.1	140	61.2					
6/25/02	9:45	`212.2		12	18	105	4	225	208.4		~	135	64.4					
. 9/3/02	11:00	215.7		5					211.0					10,581.4	767	80		
9/4/02	9:00	231.0		19	35	100			211.0					10,598.4	770			
9/11/02	10:20	401.4	15.0	28	30	100			211.0		·			10,765.4	1100			
9/24/02	11:15	430.5						225	211.0	22.0	8.0	130		10,793.8	900	80	15	9
10/1/02	12:25	433.4				100	30		211.0		5.1	100	66.4	10,793.8				
10/23/02	12:00	563.5	15.0	24	28	105	30	225	277.9	23.5	. 6.0	137	66.5	10,922.0	663	78	15	6.5
11/13/02	13:55	701.0							346.8					11,061.5				
11/21/02	15:40	707.5	15.0	14	19	85		175	347.4	24.5	7.4	127	73.8	11,068.2	625	75	15	9
12/13/02	15:10	855.0	15.5	39	50	105	>30	294	445.0	25.0	7.0	120	75.6		763	80	15	9
12/17/02	9:00	928.4							519.2			-		11,288.0				
12/24/02	9:00	1,094.5							550.2					11,319.6				
1/28/03	14:55	1,102.9	14.0	82	85	110		294	558.0	26.0	7.6	115	71.6	11,328.6	816	80	15	9
2/14/03	9:00	·1,300.5	6.0	25	32	70		193	755.9	25.5	7.9	10	78.2	11,525.3	710	40	15	9
2/27/03	10:00	1,614.7		36		95	>30		1,069.6	25.0	5.2	125	77.8	11,826.9	845	50	15	9
3/11/03	9:30	1,901.0	2.0						1,138.0	28.0								
3/24/03	14:30	2,221.0	- 2.0	30	. 35	105	-	155	1,457.0	24.0	4.9	130	81					
4/11/03	12:30	2,655.0	6.0	30	36	85	bad gauge	200	1,889.0	24.0	6.0	120	75					
5/12/03	15:15	3,002.0	7.0	30	37	115	>30	179	2,234.0	23.5	4.6	140	74					
Jole: 1. Blan	k cells ind	icate data no	t recorded	Vole: 1. Blank cells indicate data not recorded or applicable at time of site visit.	It time of site v	visit.												

TABLE 3: SYSTEM PERFORMANCE SUMMARY

Facility Name: Cumberland Farms #1006 8078 South Suncoast Bhd.

.

Facility ID#: 098503049

-.

Ľ	
OS8SS8,	
., Hom	
t BNd	
Suncoas	
South	

9	T.O.	•				,	•		3	-	7		2	2	5	3	2	2	2	2	2
1 Stat	SVE		2	-	e	7	-		е	0			7	N		~	7	~	2	2	5
System Status	AS S				6	2		3	2	-	7	9	2	7	-	2	2	2	2	2	2
┝─	Gallons Recovered Between Visits	•					1	30					•				50	-	•	100	
	Flowmeter Reading (gallons)	9,998,415	9,998,410			9,998,410	9,998,410	9,998,440	9,998,440	•		9.998,440	•	•			9,998,490	•	•	9,998,590	
T.O.)	Total Operation Time (%)		•	۲.		•	,	•		70.8%	95.8%	42.1%	31.6%	28.4%	28.2%	25.7%		28.0%	27.5%	21.2%	24.0%
Thermal Oxidizer (T.O.)	Total Treatment Days		•	•	•	•	•	-	0.00	0.71	7.67	8.85	8.85	14.19	20.00	20.28		29.44	30.76	31.13	39.33
Thern	Motor Hour Meter Reading (hours)	-	•		•	•			10,581.4	10,598.4	10,765.4	10,793.8	10,793.8	10,922.0	11,061.5	11,068.2		11,288.0	11,319.6	11,328.6	11,525.3
	Total Operation Time (%)		•	14.8%	9.4%	7.8%	38.3%	25.3%	8.6%	9.1%	14.8%	14.2%	13,6%	15.1%	16.6%	18.0%	17.3%	18.4%	21:0%	18.2%	20.1%
SVE	Total Treatment Days		0.3	1.0	1.0	1.1	8.0	8.8	9.0	9.6	16.7	17.9	18.1	23.5	29.2	29.5	35.6	38.7	45.6	46.0	54.2
	Motor Hour Meter Reading (hours)	6.6	6.6	24.8	24.8	26.1	192.9	212.2	215.7	231.0	401.4	430.5	433.4	563.5	701.0	707.5	855.0	928.4	1,094.5	1,102.9	1,300.5
	Total Operation Time (%)			12.7%	6.1%	6.6%	37.5%	24.8%	8.4%	8.3%	7.8%	7.0%	6.6%	7.5%	8.2%	7.9%	9.0%	10.3%	10.6%	9.2%	11.7%
AS	Total Treatment Days		0.2	0.9	0.9	0.9	7.9	8.7	8.8	8.8	8.8	8.8	8.8	11.6	14.5	14.5	18.5	21.6	22.9	23.3	31.5
	Motor Hour Meter Reading (hours)	4.4	4.4	21.4	21.4	22.2	189.2	208.4	211.0	211.0	211.0	211.0	211.0	277.9	346.8	347.4	445.0	519.2	550.2	558.0	755.9
	Days Since Startup			7	11	.14	21	35	105	106	113	126	133	155	176	184	206	210	217	252	269
	Days Between Site Visits	,		7	4	3	7	14	70	-	7	13	7	22	21	8	22	4	2	35	17
ľ	Site Visit Date	1/24/02	5/21/02	5/28/02	6/1/02	6/4/02	6/11/02	6/25/02	9/3/02	9/4/02	9/11/02	9/24/02	10/1/02	10/23/02	11/13/02	11/21/02	12/13/02	12/17/02	12/24/02	1/28/03	2/14/03

TABLE 3: SYSTEM PERFORMANCE-SUMMARY

Facility Name: Cumberland Fams #1006 8078 South Suncoast Blvd., Homosassa, FL

:

Facility ID#: 098503049

-

Γ				AS			SVE	-	Therm	Thermal Oxidizer (T.O.)	T.O.)			Syst	System Status	tus
ite Visit Date	Site Visit Botween Date Site		Motor Hour Meter		Total Operation	-	Total Treatment	Total Operation	~	Total Treatment	Total Operation	Flowmeter Reading	Galtons Recovered Between			
	· Visita	dnume	Keading (hours)	Days Time (%)	Time (%)	(shours)	Days		(sunoy)	Days	Time (%)		Visits	AS	AS SVE T.O.	T.O.
2/27/03	13	282	1,069.6	44.6	15.8%	1,614.7	67.3	23.9%	11,826.9	51.90	29.3%	-		1	1	
3/11/03	12	294	1,138.0	47.4	16.1%	1,901.0	79.2	26.9%						2	2	e
3/24/03	-13	307	1,457.0	60.7	19.8%	2,221.0	92.5	30.1%				•	•	-	-	
4/11/03	81	325	1,889.0	78.7	24.2%	2,655.0	110.8	34.0%				9,998,670	80	-	1	
5/12/03	31	856	2,234.0	93.1	26.1%	3,002.0	125.1	35.1%				9,998,670	0	2	2	
Γ																
1.	Period Averace/Total -	- lefoTetet			RE 6%			78.1%					80			

Period Average/Total :

(February 27, 2002 to May 12, 2003)

Notes

1) The remedial system was activated on 5-21-02. Thermal Oxidizer activated 8-3-02.

:

2) -- denotes reading not collected. 3) Treatment System Status

ſ	Depart	ъ	ß	off	off
	Artive	5	μo	ų	8
	Code #	-	2		*
	s Codes:		•		

TABLE 4: AIR SPARGE WELL DATA

Facility Name: Cumberland Farms #1006

Facility ID#: 098503049

F
Homosassa,
Blvd.,
Suncoast
South
8078

WELL NO.	SW-1		SW-2	?	SW-3	m	SW-4	4	SW-5	2	9-WS	6
DIAMETER	~		~		2*		2		2"		2.	
WELL DEPTH	10	-	10		10.		10,		10'		10.	
SCREEN INTERVAL	8 · 10'	0	8 - 10'	10,	8 · 10	0.	8 · 10	10'	8 - 10	-0	8 · 10	0.
- Date	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow
1/24/02	1.0	3.4	<0.5	3.0	1	3.8	<0.5	3.0	<0.5	2.8	2.0	3.7
5/21/02	<0.5	3.4	<0.5	2.8	<0.5	3.0	<0.5	2.8	<0.5	3.0	<0.5	3.4
6/1/02	<0.5	4.3	<0.5	4.3	<0.5	3.8	<0.5	4.0	<0.5	4.1	<0.5	3.9
6/4/02	<0.5	4.1	<0.5	4.1	<0.5	3.8	<0.5	4.1	<0.5	3.8	<0.5	3.9
6/11/02 /	<0.5	4.2	<0.5	3.9	<0.5	4.2	<0.5	3.9	<0.5	3.8	<0.5	4.3
6/25/02	1.0	3.9	<0.5	4.1	0.5	4.0	<0.5	4.2	<0.5	3.8	2.0	4.0
10/1/02	· <0.5	4.0	<0.5	4.3	<0.5	4.3	<0.5	5.2	<0.5	4.0	<0.5	5.2
10/23/02	<0.5	3.8	<0.5	4.4	<0.5	4.8	<0.5	4.8	<0.5	3.8	<0.5	5.8
11/21/02	3.5	4.5	<0.5	4.5	1.0	4.5	<0.5	4.8	<0.5	4.4	<0.5	4.7
12/13/02	3.0	4.8	<0.5	5.0	<0.5	4.7	<0.5	5.0	<0.5	4.4	<0.5	4.8
1/28/03	2.0	4.6	<0.5	5.2	<0.5	, 4.6	<0.5	4.8	<0.5	4.8	1.0	4.4
2/14/03	2.5	5.6	<0.5	5.2	- 1.5	5.0	<0.5	5.2	<0.5	5.0	3.0	4.2
2/27/03	<0.5 ·	6.5	<0.5	4.2	<0.5	5.0	<0.5	4.2	<0.5	4.2	<0.5	3.8
. 3/24/03	<0.5	6.0	<0.5	4.5	<0.5	5.0	<0.5	4.8	<0.5	4.5	<0.5	4.2
4/11/03		6.0		4.2		5.0		4.4		4.2		4.0
5/12/03	<0.5	6.0	<0.5	4.2	<0.5	5.1	<0.5	4.2	<0.5	4.2	<0.5	3.5

!

TABLE 4: AIR SPARGE WELL DATA

Facility Name: Cumberland Farms #1006 8078 South Suncoast Blvd.

•

Facility ID#: 098503049

Γ

FL
ISASSA,
Homo
Blvd.,
Suncoast
South

SW-12	. 2"	10	8 - 10'	Pressure Flow	<0.5 3.0	<0.5 3.0	<0.5 3.8	<0.5 4.0	<0.5 3.9	<0.5 4.1	<0.5 5.0	<0.5 3.8	<0.5 4.8	<0.5 4.8	<0.5 5.4	1.0 4.8	<0.5 4.4	<0.5 4.5		4.6
-			ž	Flow	3.1	3.1	3.7	3.9	3.9	3.8	4.0	3.8	4.9	4.6	4.6	5.0	4.6	4.8		4.4
II-MS	2"	10	8 - 10	Pressure	<0 ^{.5}	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	. <0.5	<0.5	<0.5	1.0	<0.5	<0.5		
01			ď	Flow	3.2	2.5	2.1	3.9	10.0	3.5	4.0	2.8	4.4	3.8	4.0	4.0	5.2	5.8		4.0
01-MS	- 2"	,01	8 - 10'	Pressure	3.0	3.5	<0.5	3.5	<0.5	5.0	3.0	3.0	2.0.	4.0	4.0	4.5	<0.5	<0.5		
. 6			2	Flaw	3.0	3.2	3.7	3.7	4.2	3.7	3.9	3.5	4.0	4.8	, 5.0	4.6	6.8	6.8	0 3	0.0
6-MS	2"	10	8 - 10'	Pressure	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	<0.5	<0.5	4.0	2.5	3.5	- 4.S	<0.5	<0.5		
8			2	Flow	2.9	2.9	3.8	4.0	3.8	4.0	4.0	3.8	4.8	5.0	5.0	5.0	4.6	6.1		0.0
SW-8	2"	. 10	8 - 10	Pressure	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
7			2	Flow	3.3	3.0	4.0	4.2	4.2	3.8	4.1	3.8	4.2	5.2	4.8	5.4	6.2	6.0		4.4
7-WS	2"	10,	8-10	Pressure	<0.5	<0.5	<0.5	<0.5	.<0.5	<0.5	<0.5	<0.5	1.5	<0.5	1.0	1.5	<0.5	<0.5		
WELL NO.	DIAMETER (in.)	WELL DEPTH (It bis)	SCREEN INTERVAL (ft)	Date	1/24/02	5/21/02	6/1/02	6/4/02	6/11/02 /	6/25/02	10/1/02	10/23/02	11/21/02	12/13/02	1/28/03	2/14/03	2/27/03	3/24/03	5 M 1 1/1	

:

.

TABLE 4: AIR SPARGE WELL DATA

J

8078 South Suncoast Blvd., Homosassa, FL Facility Name: Cumberland Farms #1006

Facility ID#: 098503049

8

WELL NO.	SW-13	13	SW-14	14	SW-15	-15	SW-16	-16				
DIAMETER (in.)	2.		2*		2.		2*					
WELL DEPTH (ft bis)	10'		10'		10	~	10'	2				
SCREEN INTERVAL (ft)	8 - 10	۰. ۲	8 - 10'	0.	8 - 10	10	8 - 10'	10'				
• Date	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flow	Pressure	Flo
1/24/02	<0.5	3.1	<0.5	3.0	<0.5	3.3	<0.5	3.0				
5/21/02	<0.5	3.0	<0.5	2.8	<0.5	3.0	<0.5	3.0				
6/1/02	<0.5	3.7	<0.5	4.0	<0.5	3.7	<0.5	3.9				
6/4/02	<0.5	4.1	<0.5	4.3	<0.5	4.5	<0.5	4.1				
6/11/02 /	<0.5	4.0	<0.5	4.1	<0.5	4.2	<0.5	3.8				
6/25/02	<0.5	4.5	<0.5	4.6	<0.5	4.2	<0.5	4.2				
10/1/02	<0.5	5.0	<0.5	5.0	<0.5	4.3	<0.5	4.1				
10/23/02	<0.5	4.0	<0.5	5.0	<0.5	4.6	<0.5	4.0				
11/21/02	<0.5	4.6	0.5	4.7	2.5	5.0	<0.5 -	5.0				
12/13/02	. <0.5	4.2	<0.5	5.0	<0.5	4.8	<0.5	4.7				
1/28/02	<0.5	4.6	<0.5	4.8	<0.5	,5.0	<0.5	5.0				
2/14/03	2.0	4.0	<0.5	5.2	- 1.0	4.8	<0.5	5.2				
207703	<0.5	4.8	<0.5	4.6	<0.5	4.3	<0.5	4.4				
3/24/03	<0.5	4.8	<0.5	4.8	<0.5	4.2	<0.5	4.3				
4/11/03		4.6		4.2		4.2		4.2				
5/12/03	<0.5	5.0	<0.5	4.3	<0.5	4.1	<0.5	4.2				

Notes:

Flow in settin
 Pressure in PSI
 Blank cell denote reading unavailable

TABLE 5: SVE WELL DATA

J

Facility Name: Cumberland Farms #1006 8078 South Suncoast Blvd., Homosassa, FL

C

Facility ID#: 098503049

					Well																		6.6					
SVE-6	4	2'	5'		Manifold	6	15		15.17	16		10.15	20	20		21	24	10-15	31			15	10	10	8	10	16	
5					Well																		3.2					
SVE-5	4	2,	5,		Manifold	9	0		10-15	13		10	18	. 21		20	20	10.15	28			10	10	10	12	10	6	
4	_				Well																		3.8					
SVE-4	. 4	2'	5,		Manifold	7	12		10.15	12		10	18	20		19	0		29			10	10	10-20	14	10	80	
				n WC)	Well																		0.18					
SVE-3	4-	2	5	Vacuum (in WC)	Manifold	5	12		10-15	12		5-10	20	20		20	20	10-15	24			10	10	30	9	25	5	
SVE-2		-	-		Well					-													6.0					
SVI	4	ō.	£		Manifold	5	14		10-15	12		5.10	16	19		20	20	10.15	30			10	10	10.15	13	15	· 12	
:1		_	-		Well											•							3.6					
SVE-1	4	2'	5		Manifold	9						10						10.15	28			10	10	12.18	12	12	10	
WELL NO.	DIAMETER	WELL DEPTH	SCREEN INTERVAL	•	Date	1/24/02	5/21/02	5/28/02	6/1/02	6/4/02	6/11/02	6/25/02	9/4/02	9/11/02	9/24/02	. 10/1/02	10/23/02	11/21/02	. 12/13/02	12/17/02	12/24/02	1/28/03	2/14/03	2/27/03	3/24/03	4/11/03	5/12/03	

TABLE 5: SVE WELL DATA

Facility Name: Cumberland Farms #1006 8078 South Suncoast Blvd., Homosassa, FL

•

Facility ID#: 098503049

IMMETER (In). q. q. q. g.	WELL NO.	SVE-7		SV	VE-8	SVE	SVE-9						
DEFTH (fi bit) 2' 2' 2' 2' 1'	DIAMETER (in.)	4		4	•	4							
j j <th>WELL DEPTH (ft bis)</th> <th>2</th> <th>-</th> <th></th> <th></th> <th>2</th> <th>-</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	WELL DEPTH (ft bis)	2	-			2	-						
Accum (in WG) Data Manifold Well Manifold Well Manifold Menifold <	SCREEN INTERVAL (ft)	- 2	-			5							
Date Manifold Weil Manifold Manifold <t< th=""><th></th><th></th><th></th><th></th><th></th><th>Vacuum (i</th><th>n WC)</th><th></th><th></th><th></th><th></th><th></th><th></th></t<>						Vacuum (i	n WC)						
1/24/0278112 $5/21/02$ 1415151512 $5/28/02$ 1015151012 $6/1/02$ 1310131411 $6/1/02$ 131010510 $6/1/02$ 1310102016 $6/1/02$ 102010510 $6/1/02$ 1720102016 $9/4/02$ 1720192016 $9/4/02$ 1720192020 $9/4/02$ 1920202020 $9/4/02$ 1920202020 $9/4/02$ 1919202020 $9/4/02$ 1020202020 $9/4/02$ 1020202020 $9/4/02$ 10/1/0220202020 $10/1/02$ 2020202032 $10/1/02$ 3020202032 $11/21/02$ 10610610 $12/13/02$ 30104.61010 $12/13/03$ 104.6106.215/20 $12/14/03$ 106.23215/2020 $2/14/03$ 106.23232 $2/12/03$ 106.23620 $2/12/03$ 106.21020 $2/12/03$ 10<	Date	Manifold	Well	Manifold	Well	Manifold	Well	Manifold	Well	Manifold	Weil	Manifold	Well
5/21/021415151512 $5/28/02$ 10.1515.1710.1510.15 $6/1/02$ 131411 $6/1/02$ 13105.10 $6/1/02$ 10105.10 $6/1/02$ 172010 $6/1/02$ 192016 $9/4/02$ 172010 $9/4/02$ 192020 $9/1/02$ 192020 $9/1/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $9/24/02$ 202020 $10/1/02$ 202020 $10/1/02$ 202020 $10/1/02$ 202020 $10/1/02$ 104.610 $1/21/02$ 104.635 $1/2/02$ 123510 $1/2/03$ 123510 $1/2/03$ 102020 $1/1/03$ 122020 $2/12/03$ 102020 $2/12/03$ 102020 $2/12/03$ 102020 $2/12/03$ 102020 $2/12/03$ </td <td>1/24/02</td> <td>7</td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1/24/02	7		8									
5/28/02 10.15 15.17 10.15 $6/1/02$ 13 14 11 $6/1/02$ 13 14 11 $6/1/02$ 13 10 5.10 $6/1/02$ 10 20 16 $9/4/02$ 17 20 19 $9/4/02$ 17 20 19 $9/4/02$ 17 20 16 $9/1/02$ 19 20 20 $9/24/02$ 20 20 20 $9/24/02$ 20 20 20 $10/1/02$ 20 20 20 $10/1/02$ 20 20 20 $10/1/02$ 20 20 20 $10/1/02$ 10.15 10.15 10.15 $10/23/02$ 30 20 20 $10/1/02$ 10.15 10.15 10.15 $10/23/02$ 30 20 20 $10/1/02$ 10.15 10.15 10.15 $10/23/02$ 30 20 20 $10/23/02$ 30 20 20 $10/23/02$ 30 20 20 $10/23/02$ 30 20 20 $10/23/02$ 10.15 10.15 10.15 $10/23/02$ 10.15 10.15 10.15 $10/23/02$ 10.15 20 20 $10/23/02$ 10.15 20 20 $10/23/02$ 10.15 20 20 $10/23/02$ 10.15 20 20 $10/23/02$ 10.15 20 <td>5/21/02</td> <td>14</td> <td></td> <td>15</td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	5/21/02	14		15		12							
6/1/02 10.15 10.15 10.15 10.15 $6/1/02$ 13 14 11 11 $6/1/02$ 10 10 5.10 11 $6/1/02$ 17 20 10 5.10 16 $9/4/02$ 17 20 19 20 16 $9/24/02$ 19 20 19 20 20 $9/24/02$ 20 19 20 20 20 $9/24/02$ 20 20 20 20 20 $9/24/02$ 20 20 20 20 20 $9/24/02$ 20 20 20 20 20 $9/24/02$ 20 20 20 20 20 $9/24/02$ 20 20 20 20 20 $9/24/02$ 20 20 20 20 20 $9/24/02$ 20 20 20 20 20 $10/1/02$ 20 20 20 20 20 $10/1/02$ $10-15$ $10-15$ $10-15$ $10-15$ $11/21/02$ $10-15$ $10-15$ $10-15$ 32 $12/1/02$ 8 10 4.6 10 6.2 $1/2/03$ 12 $3/2$ $3/2$ $15-20$ $1/2/03$ 12 20 20 20 $1/2/03$ 12 $3/2$ 30 20 $1/2/03$ 12 20 20 10 $1/2/03$ 12 30 20 10 $1/2/03$ <td>5/28/02</td> <td></td>	5/28/02												
6/4/0213141111 $6/1/02$ 10105.105.10 $6/1/02$ 1720105.10 $9/4/02$ 17201920 $9/1/02$ 19202020 $9/1/02$ 19202020 $9/24/02$ 20202020 $9/1/02$ 20202020 $9/24/02$ 20202020 $10/1/02$ 20202020 $10/1/02$ 20202020 $10/1/02$ 20202020 $10/1/02$ 20202020 $10/1/02$ 10.1510.1510.15 $10/1/02$ 30292932 $11/21/02$ 104.6106.2 $11/21/02$ 12351010 $1/28/03$ 104.6106.2 $1/28/03$ 123515.20 $2/14/03$ 122820 $2/12/03$ 102830 $5/12/03$ 102830 $5/12/03$ 102830 $5/12/03$ 102830 $105/12/031020105/12/031020105/12/031020105/12/031020105/12/031020105/12/031020101020<$	6/1/02 .	10-15				10.15					•		
$6/11/02$ 10 10 $5\cdot10$ $9/4/02$ 17 20 10 $5\cdot10$ $9/4/02$ 17 20 19 20 $9/11/02$ 19 20 20 20 $9/24/02$ 20 20 20 20 $9/24/02$ 20 20 20 20 $9/24/02$ 20 20 20 20 $9/24/02$ 20 20 20 20 $10/1/02$ 20 20 20 20 $10/1/02$ 30 20 20 20 $10/1/02$ 30 20 20 32 $10/1/02$ 30 20 20 32 $11/21/02$ 30 20 20 32 $12/13/02$ 30 20 29 32 $12/13/02$ 30 20 29 32 $12/13/02$ 8 $10\cdot15$ $10\cdot15$ $10\cdot15$ $12/13/02$ 8 10 4.6 10 $1/2/13/03$ 12 32 32 $12/13/03$ 12 35 29 $2/14/03$ 12 35 20 $2/14/03$ 12 20 20 $3/24/03$ 12 20 20 $3/21/03$ 10 20 20 $3/21/03$ 10 20 20 $3/21/03$ 10 20 20 $3/21/03$ 10 20 20 $3/21/03$ 10 20 20 $3/21/03$ 10	6/4/02	13				=							
6/25/02 10 10 5.10 9/4/02 17 20 16 9/1/02 17 20 19 20 9/1/02 19 20 19 20 9/1/02 20 20 20 20 9/24/02 20 20 20 20 9/24/02 20 20 20 20 10/1/02 20 20 20 20 10/1/02 20 20 20 20 11/21/02 10.15 10.15 10.15 10.15 12/13/02 30 20 29 32 12/13/02 30 20 29 32 12/13/02 8 10 10 10 12/13/02 8 10 6.2 10 12/14/03 12 35 15/20 32 1/28/03 8 10 6.2 10 2/14/03 12 28	6/11/02												
9/4/0217201616 $9/1/02$ 1920192020 $9/1/02$ 2020202020 $9/24/02$ 2020202020 $10/1/02$ 2020202020 $10/1/02$ 2020202020 $10/23/02$ 2010.1510.1510.15 $11/21/02$ 30202932 $12/13/02$ 30292932 $12/13/02$ 304.61032 $12/13/02$ 104.6106.2 $1/28/03$ 8104.610 $1/28/03$ 12353515.20 $2/14/03$ 12353535 $2/14/03$ 12283030 $2/14/03$ 12283030 $2/12/03$ 10283030 $5/12/03$ 10283030 $5/12/03$ 10283030 $5/12/03$ 10283030	6/25/02	10				5-10							
9/1/02191920 $9/24/02$ 202020 $9/24/02$ 202020 $10/1/02$ 202020 $10/1/02$ 202020 $10/23/02$ 202020 $10/23/02$ 302020 $10/23/02$ 302020 $11/21/02$ 302932 $12/13/02$ 302929 $12/13/02$ 302932 $12/17/02$ 102932 $12/17/02$ 104.610 $1/28/03$ 8104.6 $1/28/03$ 104.610 $2/14/03$ 123515.20 $2/14/03$ 122823 $3/24/03$ 122820 $4/11/03$ 122830 $5/12/03$ 102830	9/4/02	17				16							
$9/24/02$ 20202020 $10/1/02$ 20202020 $10/23/02$ 20202020 $10/23/02$ 10.15 10.15 10.15 10.15 $11/21/02$ 30 2929 32 $12/13/02$ 302929 32 $12/17/02$ 10.15 10.15 10.15 32 $12/17/02$ 8 10 29 32 $12/17/02$ 8 10 4.6 10 10 $12/17/02$ 12 4.6 10 6.2 10^{-1} $12/17/03$ 12 4.6 10 6.2 15.20 $2/14/03$ 12 35 26 15.20 15.20 $2/14/03$ 12 28 26 15.20 20^{-1} $3/24/03$ 12 28 20 20^{-1} 30^{-1} $5/12/03$ 10 10 28 20 30^{-1}	9/11/02	19				20							
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	9/24/02												
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	10/1/02	20	-			20							
11/21/02 10.15 10.15 10.15 $12/13/02$ 30 29 29 32 $12/17/02$ 30 29 29 32 $12/17/02$ 8 10 20 32 $12/24/02$ 8 10 6.2 10 $1/28/03$ 8 10 6.2 10 $2/14/03$ 12 4.6 10 6.2 15.20 $2/27/03$ 12 35 28 22 32 $3/24/03$ 12 20 20 20 20 $4/11/03$ 12 20 20 30 $5/12/03$ 10 28 30 30	10/23/02	20				20							
12/13/02 30 29 32 32 $12/17/02$ 2 2 32 32 $12/17/02$ 2 10 10 32 $12/17/02$ 8 10 10 10 $12/24/03$ 10 4.6 10 6.2 10 $2/14/03$ 12 4.6 10 6.2 15.20 $2/27/03$ 12 35 22 15.20 15.20 $3/24/03$ 12 28 20 22 20 $3/24/03$ 12 28 20 20 20 $4/11/03$ 12 20 20 20 20 $5/12/03$ 10 28 20 30 30	11/21/02	10.15				10.15							
12/17/02 $12/17/02$ 10 10 $12/24/02$ 8 10 10 10 $1/28/03$ 8 10 4.6 10 6.2 $2/14/03$ 12 35 5.20 15.20 $2/27/03$ 14 28 22 22 $3/24/03$ 12 20 20 20 $4/11/03$ 12 20 20 $5/12/03$ 10 28 30	12/13/02	30				32							
12/24/02 8 10 10 1/28/03 8 10 10 2/14/03 10 4.6 10 6.2 2/27/03 12 35 15.20 3/24/03 14 28 22 4/11/03 12 20 20 5/12/03 10 28 30	12/17/02												
1/28/03 8 10 10 10 2/14/03 10 4.6 10 6.2 15.20 2/27/03 12 35 12 35 22 3/24/03 14 28 28 22 22 4/11/03 12 20 20 20 20 5/12/03 10 28 20 30 30	12/24/02												
2/14/03 10 4.6 10 6.2 15:20 2/27/03 12 35 15:20 15:20 22 3/24/03 14 28 28 22 22 4/11/03 12 20 20 20 20 5/12/03 10 28 28 30 30	, 1/28/03	8				10							
2/27/03 12 35 3/24/03 14 28 4/11/03 12 20 5/12/03 10 28	2/14/03	10	4.6	10	6.2		4.0						
14 28 12 20 10 ··		12 ·				15.20							
12 20 10 ··· 28	3/24/03	14				22							
10 · 28	4/11/03	12				20							
	5/12/03	10	÷			30							

Notes:

Vacuum readings in Inches of water column
 Blank cells denote data unavailable.

3) SVE wells are horizontal wells.

TABLE 6: SVE SYSTEM ANALYTICAL AND MASS RECOVERY SUMMARY

Facility Name: Cumberland Farms #1006 8078 South Suncoast Blvd., Homosassa, FL

::

Facility ID#: 098503049

		ř						│ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │			<u>→→→→→→</u> ┃			<u>→→→→→→</u>	<u></u>	<u>─────</u>	<u></u>	<u></u>	<u>─────</u>
	al Total Mass			•			,			- - - 92.9 1,095.4	- - - - - - - - - - - - - - - - - - -	- - - - - - 1,095.4 104.6 533.6 533.6	- - - - - - - 1,095.4 1,095.4 1,095.4 1,094.6 533.6 533.6 533.6 201.9	- - - - - - - - 104.6 533.6 129.8 129.8 - -	- - - - - - - - - - - - - - - - - - -	- - - - - - - - 104.6 533.6 533.6 533.6 533.6 201.9 - - - - - - - - - - - - - - - - - - -	- - - - - - - - 1,095.4 1,095.4 1,095.4 1,095.4 104.6 533.6 535.6 555.6		- - - - - - - - - - - - - - - - - - -
	Total Operational Time Between	Sampling (days)		•	, ,	, , , ,		0 0.81		0 - 0.81 6.95 0.80	0 		0 	0 	0 	- 0 	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- 0
	t Hour Meter Reading	(hours)		. 2.1	. 2.1 6.6	2.1 6.6 6.8	2.1 6.6 6.6 24.8	2.1 6.6 6.6 24.8 26.1	2.1 6.6 6.6 24.8 26.1 192.9	2.1 6.6 6.6 24.8 24.8 26.1 192.9 192.9	2.1 6.6 6.6 24.8 26.1 192.9 192.9 26.1 26.2 26.1 26.2 26.2 212.2	2.1 6.6 6.6 24.8 26.1 192.9 192.9 212.2 430.5 563.5	2.1 6.6 6.6 6.6 24.8 24.8 26.1 192.9 192.9 192.9 212.2 430.5 563.5 563.5	2.1 6.6 6.6 24.8 24.8 26.1 192.9 192.9 192.9 192.9 192.9 212.2 430.5 563.5 563.5 563.5 563.5 855.0	2.1 6.6 6.6 6.6 24.8 24.8 26.1 192.9 192.9 192.9 192.9 192.9 707.5 563.5 707.5 855.0 1,102.9	2.1 6.6 6.6 24.8 24.8 26.1 192.9 192.9 192.9 192.9 263.5 563.5 707.5 855.0 1,102.9 1,300.5	2.1 6.6 6.6 24.8 24.8 26.1 192.9 26.1 192.9 430.5 563.5 563.5 563.5 855.0 1,102.9 1,102.9 1,514.7	2.1 6.6 6.6 6.6 24.8 24.8 26.1 192.9 192.9 192.9 192.9 192.5 563.5 563.5 563.5 563.5 563.5 563.5 1,102.9 1,102.9 1,102.9 1,001.0	2.1 6.6 6.6 6.6 24.8 24.8 26.1 192.9 192.9 192.9 192.9 192.9 192.9 1,102.9 1,102.9 1,102.9 1,300.5 1,901.0 2,221.0
Total Mass	Contaminant	Flow rate (ib/day)		39.3	39.3 56.5	39.3 56.5 · 61.0	38.3 56.5 61.0	38.3 56.5 61.0 167.6	38.3 56.5 61.0 167.6 147.6	38.3 56.5 56.5 61.0 167.6 147.6 112.5	38.3 56.5 56.5 61.0 167.6 112.5 4.8	38.3 56.5 56.5 61.0 167.6 112.5 4.8 4.8	38.3 56.5 56.5 61.0 167.6 147.6 112.5 4.8 4.8 4.8 25.3	38.3 56.5 56.5 61.0 167.6 112.5 4.8 4.8 4.8	38.3 56.5 56.5 56.5 61.0 167.6 112.5 4.8 4.8 4.8 25.3 25.3	38.3 56.5 56.5 56.5 61.0 167.6 112.5 4.8 4.8 4.8 4.8 4.6 4.6	38.3 56.5 56.5 56.5 167.6 147.6 112.5 112.5 4.8 4.8 4.8 4.8 25.3 25.3 25.3 3.5	38.3 56.5 56.5 61.0 167.6 112.5 112.5 4.8 4.8 4.8 4.8 25.3 25.3 25.3 18.9 1.5	38.3 56.5 56.5 56.5 56.5 167.6 147.6 147.6 112.5 4.8 4.8 4.8 4.8 4.8 4.6 25.3 25.3 25.3 25.3 25.3 9.6 9.6
	Flow rate	(scfm)		175	175 225	175 225 225	175 225 225 NR	175 225 225 NR 225	175 225 225 NR 225 225	175 225 225 NR 225 225 225 225	175 225 225 NR 225 225 225 225 225	175 225 225 NR 225 225 225 225 225 225 225	175 225 225 NR 225 225 225 225 225 225 225 225	175 225 225 225 225 225 225 225 225 225 175 175	175 225 225 225 225 225 225 225 225 225 2	175 225 225 225 225 225 225 225 175 175 NR	175 225 225 225 225 225 225 225 175 NR NR 193 155	175 225 225 225 225 225 225 225 225 225 2	175 225 225 225 225 225 225 225 225 175 NR 87 175 193 193 193 179
		ТРН		2,500	2,500 2,800	2,500 2,800 3,020	2,500 2,800 3,020 NR	2,500 2,800 3,020 NR 8,300	2,500 2,800 3,020 NR 8,300 7,310	2,500 2,800 3,020 NR 8,300 7,310 5,570	2,500 2,800 3,020 NR 8,300 7,310 5,570 240	2,500 2,800 3,020 NR 8,300 7,310 5,570 240 2,080	2,500 2,800 3,020 NR NR 8,300 7,310 5,570 5,570 240 2,080 2,080 1,610	2,500 2,800 3,020 NR NR 7,310 5,570 5,570 2,080 1,610 NR	2,500 2,800 2,800 3,020 NR 8,300 7,310 7,310 7,310 2,080 2,080 2,080 1,610 NR	2,500 2,800 3,020 NR 8,300 7,310 7,310 5,570 5,570 2,080 2,080 2,080 1,610 NR NR	2,500 2,800 3,020 8,300 5,570 5,570 2,40 2,40 1,610 NR NR NR 240 2,080 2,080 2,080 2,610 2,557 2,577 2,557 2,577 2,577 2,577 2,577 2,577 2,577 2,577 2,577 2,577 2,577 2,577 2,577 2,576 2,576 2,577 2,577 2,577 2,576 2,577 2,577 2,576 2,576 2,577 2,577 2,576 2,5777 2,576 2,576 2,5777 2,5777 2,57777 2,576 2,5777777777777777777777777777777777777	2,500 2,800 3,020 NR 8,300 5,570 5,570 5,570 2,40 2,310 1,610 NR NR NR 85 85	2,500 2,800 3,020 8,300 7,310 7,310 7,310 5,570 5,570 2,080 1,610 NR NR NR NR 85 85 85
		MTBE	10		<1.0	<1.0 <10	NR <10	<1.0<10<10<1087	 <10 <10	 <10 <10	 <10 <10	 <10 <10	 <10 <10	 <10 <10 <10 <10 <10 <10 <11 <11 <12 <12 <13 <14 <19 <19 <19 <19 <19 <10 <10	 410 410	C 10 10 10 10 10 10 10 10 10 10 10 10 10		 410 410 410 411 419 419	 410 410 410 41 41
ion (ma/m ³)	1	Total Xylenes	219		201	201 361	201 361 NR	201 361 NR 419	201 361 NR 419 704	201 361 NR 419 704 525	201 361 NR 419 704 525 8	201 201 361 NR 419 704 525 8 8	201 201 361 361 419 704 525 8 8 170 91	201 201 361 NR 419 704 525 525 8 8 8 170 91 NR	201 201 361 NR 419 704 525 525 8 8 170 170 91 NR	201 201 361 NR 419 704 525 525 8 8 170 91 91 91 91 91	201 201 361 NR 419 704 525 525 525 8 8 8 170 91 91 NR NR 32	201 201 361 NR 419 704 525 525 8 170 91 8 8 170 91 18 12 12 12	201 201 361 NR 419 704 525 525 91 91 91 91 12 12 13 22 13 55
Concentration (mg/m ³)		Ethyl- benzene	33		33	36 33	33 36 NR	33 33 33 33	33 36 53 53	33 36 38 38 38 53 17 3 45	33 36 36 37 53 53 45 45 45	33 38 38 38 38 38 38 38 38 38 38 38 38 3	33 36 36 53 53 53 53 71 73 10 10	33 36 85 83 85 85 85 86 85 85 86 85 85 86 86 87 86 86 86 86 86 86 86 86 86 86 86 86 86	- NR 85 33 33 45 173 53 33 36 36 173 173 173 173 173 173 173 173 173 173	33 36 36 173 173 33 36 36 36 36 36 36 36 36 36 36 36 36	33 36 71 73 83 83 83 83 83 84 84 85 83 83 83 83 84 84 85 85 85 85 85 85 85 85 85 85 85 85 85	33 36 51 73 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	33 38 38 38 38 38 38 38 38 38 38 38 38 3
	-	Toluene	130		180	180 270	180 270 NR	180 270 NR 308	180 270 308 706	180 270 270 308 308 331	180 270 270 308 331 331 4	180 270 270 308 308 706 706 73	180 270 270 308 308 308 706 73 73 52	180 270 270 308 308 308 308 308 308 308 308 308 30	180 270 270 308 308 331 331 73 331 73 73 73 73 73 73 73 70 82 70 82 70 708 708 708 708 708 708 708 70 708 708	180 270 270 308 308 331 331 73 73 73 73 73 73 73 73 73 73 73 73 73	180 270 270 308 308 308 308 331 331 331 7 7 7 7 7 9 9	180 270 270 308 308 308 308 308 308 308 308 308 30	180 270 270 308 331 331 7 7 7 7 7 7 7 2 2 2 2 2 2 2 2 2 2 2 2
		Benzene	. 120		150	. 155	- 155 NR [*]	150 155 NR [*]	150 162 156	150 155 162 166 106	150 155 162 106 2 2	150 155 162 166 106 25 25	150 155 162 166 106 25 25 25 25	150 155 162 166 106 106 108 125 25 25 25 NR	150 155 162 166 106 106 25 25 25 8 8	150 155 162 166 106 25 25 25 25 25 25 8 8	150 155 162 162 166 106 106 106 156 25 25 25 25 25 25 25 25 25 25 25 25 25	150 155 162 166 166 166 166 166 168 168 168 168 168	150 155 162 166 166 168 25 25 25 25 25 25 25 25 25 25 25 25 25
	Date		1/24/02 ⁽¹⁾	10	1/24/02~	1/24/02**/ 5/21/02	1/24/02~1 5/21/02 5/28/02	1/24/02**/ 5/21/02 5/28/02 6/4/02	1/24/02 ⁵⁴ 5/21/02 5/28/02 6/4/02 6/11/02	1/24/02 ⁻¹ 5/21/02 5/28/02 6/4/02 6/11/02 6/25/02	1/24/02 ⁻¹ 5/21/02 5/28/02 6/4/02 6/11/02 6/25/02 9/24/02	1/24/02 ⁷⁴ 5/21/02 5/28/02 6/1/02 6/11/02 6/25/02 9/24/02 10/23/02	1/24/02 ^{7/1} 5/21/02 5/28/02 6/11/02 6/11/02 9/24/02 10/23/02 11/21/02	1/24/02 ⁻⁷ 5/21/02 5/28/02 6/4/02 6/11/02 6/25/02 9/24/02 10/23/02 11/21/02	1/24/02 ⁷⁴ 5/21/02 5/28/02 6/4/02 6/11/02 6/25/02 9/24/02 10/23/02 11/21/02 12/13/02 12/13/02	1/24/02 ⁷⁴ 5/21/02 5/28/02 6/1/02 6/1/02 6/25/02 9/24/02 10/23/02 10/23/02 12/13/02 12/13/02 12/14/03 2/14/03	1/24/027/ 5/21/02 5/28/02 6/4/02 6/11/02 6/11/02 6/11/02 9/24/02 10/23/02 11/21/02 12/13/02 12/13/02 12/13/02 22/14/03 22/14/03	1/24/02 ⁷⁴ 5/21/02 5/28/02 6/4/02 6/11/02 6/25/02 9/24/02 11/21/02 11/21/02 12/14/03 2/14/03 3/24/03 4/11/03	1/24/02 ⁷⁴ 5/21/02 5/28/02 6/4/02 6/25/02 9/24/02 10/23/02 10/23/02 10/23/02 12/13/02 12/13/02 12/14/03 2/14/03 3/24/03 5/12/03

• •

TABLE 6: SVE SYSTEM ANALYTICAL AND MASS RECOVERY SUMMARY

Facility Name: Cumberland Farms #1006

8078 South Suncoast Blvd., Homosassa, FL

Facility ID#: 098503049

			- 1		SV	SVE Mass Emissions	ons				
Concentration (mg/m ³)	Concentration (I	т) И	mg/m³)			Flow rate	Total Mass Contaminant	Hour Meter Reading	Total Operational Time Between	Total Mass Between Visits	Total Mass to
Toluene Ethyl- Total benzene Xylenes		Tota Xylen	l es	MTBE	ткрн	(scfm)	Fłow rate (Ib/day)	(hours)	Sampling (days)	(sdl)	Date (Ibs)
<1 <1 <2		5		4	<10	225	0.0	. 6.6	0	1	
NR NR NR		R		NR	NR	NR	•	24.8	•	•	
<1 1 2	1 2	5	-	4	147	225	3.0	26.1	0.81	· 1.2	1.2
342 61 423		423		12	3,660	225	73.9	192.9	6.95	267.1	268.4
467 107 703		703		24	10,800	225	218.1	212.2	0.80	117.4	385.8
<1 <2		\$		2	66	225	2.0	430.5	9.10	1,000.9	1,386.7
<1 <1 <2		<2		4	46	225	0.9	563.5	5.54	8.1	1,394.8
<1 <1 <2		\$		4	130	175	2.0	707.5	6.00	8.9	1,403.7
NR NR NR		NR		NR	NR	NR	1	855.0			1,403.7
<1 <1 2		2		4	40	294	1.1	1,102.9	, 16.48	25.5	1,429.2
<u>दा</u> द		<2		4	29	193	0.5	1,300.5	8.23	6.4	1,435.6
<1 <1 . <2	•	č> .		4	29	155	0.4	1,614.7	13.09	5.9	1,441.6
<1 <1 <2		<2		4	122-	200	2.2	1,901.0	11.93	15.5	1,457.0
18 1 2	1 2	2		31	736	179	11.8	2,221.0	13.33	93.6	1,550.6
			-								

Notes:

1). Concentrations listed in militigrams per cubic meter. Values rounded to the nearest whole number. If concentration less than the detection limit, then the detection limit was listed.

2) Two samples collected on 1-24-02 for off-gas determination. Sample # (1) was collected at 1:10 p.m. with only the SVE operating. Sample # (2) was collected at 5:40 p.m. with both the AS/SVE operating.

Total xylenes = m⁻Xylene, p-Xylene + o-Xylene concentrations

TPHs = Total Light Petroleum Hydrocarbons

5) scfm = standard cubic feet per minute

6) Ib/day = pounds per day

7) NR = system not running

8) " - " denotes data is unavailable or insufficient for calculation

9) The total mass contaminant flow rate recovered/emitted values were calculated by multiplying the TPH concentration by the flow rate, and assumes a 24 hour period of operation at that value.

10) The total mass recoveredemitted between visits was calculated by multiphying the total operational time between sampling events (in days) by the average total mass contaminant flow rate (in ths/day) value observed between the current and previous sampling event. TABLE 7: VACUUM INFLUENCE/DISSOLVED OXYGEN DATA

Facility Name:

Cumberland Farms #1006 8078 South Suncoast Bhd., Homosassa, FL

3049

-
ũ
c

098503	
Щ #О	
Facility	
-	

	WELL NO.	NW	MW-2	MW-3	V-3	MW	MW-5 `	MW	9-WW	MW-7	1-7	MW-8	1-8
:	DIAMETER (in.)		2"	. 2"	=	4	4"	4"		4"	2	4"	_
	WELL DEPTH (ft bls)		12'	12'	2,	8	8	8'	-	6	•	0' - 9'	9'
	SCREEN INTERVAL (ft)		2' - 12'	2' - 12'	12'	0' - 8'	. 8'	0' - 8'	8	0' - 9'	9'	0' - 9'	9,
	: Date	Vacuum	8	Vacuum	od	Vacuum	oa	Vacuum	DO	Vacuum	DO	Vacuum	8
	· 5/21/02		0.13		0.11		0.15		0.16		0.13		0.16
·. ·	5/28/02		0.20		0.11		0.93		1.49				0.21
	6/4/02		0.10				0.27		0.17				
	6/11/02		0.25				0.29		0.34				
	, 6/25/02												8
·	2/14/03	2.6 P	5.49	2.2 P	0.25	0.12	0.31		5.79	0.01	0.35	0.06	2.18
	3/24/03	0.5P	0.52			0.20	0.35 B			0.13	0.30	1.60	0.63
												_	

WELL NO.	6-WM	6-/	WW	MW-10	MW-11	-11	MW-12	-12	MW-16D	16D	MW-21	-21
DIAMETER (In.)	2"	=	2	2"	2"	=	2"		. 2"	-	2"	
WELL DEPTH (# bis)	blocked	ked	1	12'	10,	J,	10'	-	25'		12'	
SCREEN INTERVAL (ft)	AN	. ¥	2' - 12'	12'	2'- 10'	10' ,	2' - 10'	10'	20' - 25'	25	2' - 12'	12'
. Date	Vacuum	8	Vacuum	0đ	Vacuum	DO	Vacuum	Ø	Vacuum	DO	Vacuum	8
, 5/21/02				0.11		0.12				0.12		0.12
5/28/02				0.35		0.43				0.41		
6/4/02				0.15		0.20		0.22		0.18		
6/11/02				0.22		0.21		0.24		0.15		
6/25/02												
2/14/03	0.47		0.00	5.66	2.0 P	0.27					1.4 P	0.27
. 3/24/03												

i

Notes:

÷.

Vacuum readings in inches of water column

DO = Dissolved Oxygen, readings in milligrams per liter (mg/L)

3) Blank cells Indicate data not recorded

4) P = Pressure

5) B= Bubbles

Facility Name: Cumberland Farms #1006

、8078 South Suncoast Blvd., Homosassa, FL

.

Facility ID#: 098503049

MW-8	. 4	6	0' - 9'	98.58	Μ	3.69	7.47	5.08	4.45	5.35		7.27	7.19			4.58	4.53	4.72
~			3	5	ELEV	94.89	91.11	93.50	94.13	93.23		91.31	91.39		-	94.00	94.05	93.86
_			_		FP	6	6	6	6	6	-	0.05 9.	б	0.05	0.03	0.00	ф	6
					_							0	_	Ö	0	-+	_	
7-WM	4	δ	0' - 9'	98.89	ΜLα	4.01	6.63	4.98	4.74	5.65						4.82	4.81	5.08
					ELEV	94.88	92.26	93.91	94.15	93.24						94.07	94.08	93.81
					Ę													
MW-6	4"	8	0' - 8'	98.85	WTO	3.89	6.58	5.32	4.70	5.59		6.90	6.95	7.00	5.71	4.68	4.81	5.05
					ELEV	94.96	92.27	93.53	94.15	93.26		91.95	91.90	91.85	93.14	94.17	94.04	93.80
, ,					FΡ										-			
MW-5	4"	30	0' - 8'	98.52	WLD	3.58	6.22	5.36	4.37	5.28		6.55	6.60	6.65	5.34	4.38	4.56	4.70
					ELEV	94.94	92.30	93,16	94.15	93.24		91.97	91.92	91.87	93.18	94.14	93.96	-93.82
					ЪР С	-							•	0.16		0.00		
MW-3	2"	12'	2' - 12'	98.76	WTO	3.89	6.52	5.25	4.63	5.54		6.85	6.90			4.65	4.79	4.97
					ELEV	94.87	92.24	93.51	94.13	93.22		91.91	91.86			94.11	93.97	93.79
					đ													
MW-2	~ . ~	12'	7 12'	98.53	MIG	3.54	6.25	5.02	4.40	5.31		6.59	6.60	6.72	5.61	4.35	4.49	4.85
				·	ELEV	94.99	92.28	93.51	94.13	93.22		91.94	91.93	91.81	92.92	94.18	94.04	93.68
WELL NO.	DIAMETER (In.)	WELL DEPTH (A bla)	CREEN INTERVAL (M)	TOC ELEVATION	DATE	11/1/94	3/21/00	9/13/00	10/9/01	1/24/02	5/21/02	5/28/02	6/4/02	6/11/02	6/25/02	11/21/02	2/13/03	5/14/03

0.60 0.01 0.00

۵

١.

Facility Name: Cumberland Farms #1006 8078 South Suncoast Bhd., Homosassa, FL

Facility ID#: 098503049

T								1			- 1			-	1	-		-	-
					Ę													nen	
MW-14	2	8	2' - 8'	98.94	DTW	4.15	6.75	6.52	4.88							4.93	5.05	Could not open	
					ELEV	94.79	92.19	92.42	94.06							94.01	93.89	Co	
					ЕÞ														
MW-13	2"	õ	2' - 8'	98.87	DTW	4.02	6.60	5.34	4.74	5.62						4.70	4.80	5.07	
					ELEV	94.85	92.27	93.53	94.13	93.25	_					94.17	94.07	93.80	
					FР														
MW-12	2"	.o	2' - 10'	98.05	DTW	3.10	5.82			4.82			6.14	6.12					
			:		ELEV	94.95	92.23			93.23			91.91	91.93					
•	-				FP														
MW-11	2"	10,	2' - 10'	98.73	MLO	3.80	6.42	5.18	4.54	5.46		6.78	6.66	6.94		4.45	4.66	4.82	
					ELEV	94.93	92.31	93.55	94.19	93.27		91.95	92.07	91.79		94.28	94.07	93.91	,
					БР														
MW-10	2"	12'	2' - 12'	98.84	WLD	3.96	6.56	5.33	4.65	5.63		6.91	6.95	7.00		4.75	4.89	5.07	
					ELEV	94.88	92.28	93.51	94.19	93.21		91.93	91.89	91.84	_	94.09	93.95	93.77	
					đ														
6-WW	2"	unknown	₹	98.48	MID	3.64		blocked	blocked	blocked		blocked	biocked	blocked		blocked	blocked	δQ	
					ELEV	94.84													
WELL NO.	DIAMETER (In.)	WELL DEPTH (11 bis)	SCREEN INTERVAL (M)	TOC ELEVATION	DATE	11/1/94	3/21/00	9/13/00	10/9/01	1/24/02	5/21/02	5/28/02 ·	6/4/02	6/11/02	6/25/02	.11/21/02	2/13/03	5/14/03	

Facility Name: Cumberland Farms #1006

• -•

Facility ID#: 098503049

	ĩ	ī	,
		-	,
•			

		MM-15			MW-16D			MW-17			MW-18			MW-19			MW-20	
MELL NU.					2"			5.			2"			2"			2"	
		÷			25'			.0 1			12'			10'			12'	
WELL UEP IN (N DIS)		21-12			20' - 25'			2' - 10'			2' - 12'			2' - 10'			2' - 12'	
SCREEN IN LENVAL (II)		07 77			98.36			98.57			99.21			99.31			98.82	
DATE	ELEV	MLD	Ър	ELEV	MLD	БЪ	ELEV	MTD	ЕР	ELEV	DTW	FР	ELEV	WLD	FР	ELEV	MID	8
11/1/04	04.87	2,80		94.84	3.52		94.93	3.64		94.91	4.30		94.98	4.33		94.85	3.97	
3/21/00	92.28	5.49		92.27	6.09		92.30	6.27		92.25	6.96		92.26	7.05		92.15	6.67	
9/13/00	93.52	4.25		93.50	4.86		93.55	5.02		93.48	5.73		93.58	5.73		93.48	5.34	
10/9/01	94.19	3.58		94.14	4.22		94.19	4.38		94.11	5.10	_		Ī		94.14	4.68	
1/24/02				93.23	5.13		93.27	5.30					93.35	5.96				
5/21/02	· 、																	
5/28/02				91.92	6.44													
6/4/02				91.94	6.42													
6/11/02				91.86	6.50													
6/25/02																	÷	
11/21/02	94.15	3.62		94.09	4.27		94.18	4.39		94.19	5.02					94.09	4./3	
2/13/03	94.02	3.75		93.95	4.41		94.09	4,48		94.05	5.16		94.12	5.19		93.94	4.88	
5/14/03	93.82	3.95		93.74	4.62		93.88	4.69	,	93.71	5.50		93.79	5.52		93.73	5.09	
							:											

١

1

Facility Name: Cumberland Farms #1006

• . •

. 8078 South Suncoast Blvd., Homosassa, FL

Facility ID#: 098503049

					БР														
					WLD														
					ELEV DTW														
					ĘР														
					WTO														
					ELEV														
					FP														
RW-1	8	15.42*	unknown	96.50	MID		4.26		4.75										
					ELEV		92.24		91.75										
1	-				FP													,	
VA-2	2"	29'	24' - 29'	98.89	MID	4.04	6.62	5.39	4.80	5.59						4.81	4.86	5.12	
					ELEV	94.85	92.27	93.50	94.09	93.30						94.08	94.03	93.77	
					FР														
VA-1	2"	20'	15' - 20'	97.89	WLD	3.04	5.61	4.38	3.74							3.78	3.91	4.12	
					ELEV	94.85	92.28	93.51	94.15							94.11	93.98	93.77	
					FР				0.06	•	•	0.03	•	0.25	0.01	0.00	•	•	
MW-21	2"	12'	2' - 12'	98.75	MUD	3.87	6.52	5.27	4.60	5.48						4.62	4.81	5.00	
					ELEV	94.88	92.23	93.48	94.15	93.27	· 、					94.13	93.94	93.75	
WELL NO.	DIAMETER (In.)	WELL DEPTH (1 bis)	SCREEN INTERVAL (n)	TOC ELEVATION	DATE	11/1/94	. 3/21/00	9/13/00	10/9/01	1/24/02	5/21/02	5/28/02	6/4/02	6/11/02	6/25/02	11/21/02	2/13/03	5/14/03	

Notes:

DTW = Depth to water, ELEV = water table elevation and FP = liquid phase hydrocarbon thickness. All readings in feet.
 *** denotes that liquid phase hydrocarbons were present, but not recorded.

3. Blank cells indicate data not collected/available. .

2

2

_

TABLE 9: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Cumberland Farms #1006

Facility ID#: 098503049

Benzene Toluene Ethyl- benzene Total VoA MTBE MTB benzene Xylenes Total VoA MTB MTB benzene xylenes Total VoA MTB MTB benzene zoo zoo 500 500 13,000 2,200 4,000 6,000 25,200 ND 500 5,500 13,000 2,200 4,000 5,000 14,210 300 5,500 13,200 13,200 1,740 1,566 1,210 300 5,500 13,200 1,400 1,800 6,300 10,800 4,000 1,300 1,400 1,700 19,700 190 1,010 2,560 1,720 2,249 15,049 83 1,470 2,560 1,720 2,249 15,040 1,470 361 2,100 1,800 5,000 10,800 1,470 361 2,100 1,800 5,000 1,200 1,470	8078 South Suncoast Blvd		8078 South	Suncoast Bivd., Homosassa, FL	vd., Homose	ssa, r.L			-			
100 400 300 200 50 50 13 140 30 20 5.200 800 50 13,000 2,200 4,000 6,000 25,200 ND 50 6,200 590 2,900 4,500 1,4210 300 703 6,500 135 2,180 1,740 1,666 8,247 6,66 1,300 1,400 1,800 5,180 1,0700 19,700 190 2,100 4,800 2,100 1,0700 19,700 190 703 2,1300 1,400 1,800 5,100 10,800 5,100 100 2,100 4,800 2,100 10,700 19,700 190 703 2,1300 1,400 1,800 2,100 10,900 190 703 2,130 1,210 1,390 2,540 1,90 703 2,131 4,170 13,940 1,90 1,90 1,40 <t< th=""><th>Date</th><th>Benzene</th><th>Toluene</th><th>Ethyl- benzene</th><th>Total Xyienes</th><th>Total VOA</th><th>MTBE</th><th>TRPHs</th><th>Naphthalene</th><th>1-Methyl Naphthalene</th><th>2-Methyl Naphthalene</th><th>Acenaphthylene</th></t<>	Date	Benzene	Toluene	Ethyl- benzene	Total Xyienes	Total VOA	MTBE	TRPHs	Naphthalene	1-Methyl Naphthalene	2-Methyl Naphthalene	Acenaphthylene
1 100 30 200 5,200 4,000 5,5200 ND 50 13,000 2,200 4,000 6,000 25,200 ND 300 5,500 135 2,180 2,615 10,430 703 300 5,500 135 2,180 2,615 10,430 703 300 1,300 1,400 1,800 2,100 1,740 1,566 8,247 696 3,280 6,8,8 1,720 2,100 1,900 703 703 1,300 1,400 1,800 5,100 19,700 190 703 2,100 4,800 2,110 13,950 2,336 1,470 83 2,100 4,900 2,110 13,950 2,336 1,470 83 2,560 1,720 2,130 1,300 1,300 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,400 1,410 1,410 1,410 1,410 <th>⁴. Natural Attenuation Default.</th> <th></th> <th>400</th> <th>300</th> <th>. 200</th> <th>· · ·</th> <th>500</th> <th>50,000</th> <th>200</th> <th>200</th> <th>200</th> <th>2,100</th>	⁴ . Natural Attenuation Default.		400	300	. 200	· · ·	500	50,000	200	200	200	2,100
13,000 2,200 4,000 6,000 25,200 ND N 6,200 590 2,900 4,520 14,210 300 6,500 135 2,180 2,615 10,430 703 4,860 81 1,740 1,566 8,247 696 703 3,280 68.8 1,220 1,699.3 6,200 703 703 3,280 68.6 1,220 1,699.3 6,200 703 703 2,2100 1,400 1,800 6,300 10,700 19,700 190 2,100 1,400 1,800 6,300 10,800 7100 190 2,180 1,720 2,210 19,700 19,700 190 703 2,180 1,400 1,940 10,920 190 1,470 83 2,250 3,830 1,470 8,549 1,470 80 1,470 890 1,910 1,200 1,200 1,470 1,470	FGroundwater Concentration	1.1.1	140	30	20		50	5,000	20 ; ,	20	20	210
6,200 550 2,900 4,520 14,210 300 7,130 135 2,180 2,615 10,430 703 7,130 81 1,740 1,566 8,247 696 3,280 68.8 1,220 1,699.3 6,500 190 703 1,300 1,400 1,800 5,100 1,699.3 6,204 190 2,100 4,800 2,100 1,0700 19,700 190 703 2,560 1,720 2,210 10,920 18,940 201 703 2,560 1,720 2,210 13,950 22,850 105 703 2,560 1,400 510 13,950 22,850 105 703 1,800 1,900 510 13,950 22,850 105 703 1,800 1,900 510 12,900 1,470 703 703 1,800 1,900 510 13,950 22,850 105 705	3/22/00		2,200	4,000	6,000	25,200	QN		340			
5,500 135 2,180 2,615 10,430 703 · 4,860 81 1,740 1,566 8,247 6,96 · 4,860 81 1,740 1,566 8,247 6,96 · 4,860 81.8 1,220 1,699.3 6,268 1,020 · 1,300 1,400 1,800 6,300 10,000 <100	10/8/01	6,200	590	2,900	4,520	14,210	300	14,000	490	100	180	36
\cdot 4,660 81 1,740 1,566 8,247 696 3,280 63.8 1,220 1,699.3 6,268 1,020 2,100 1,400 1,800 6,300 19,00 <100	11/21/02	5,500	135	2,180	2,615	10,430	703	14,900	548	162	166	114
3,280 63.6 1,220 1,699.3 6,268 1,020 1,300 1,400 1,800 6,300 19,00 <100	2/13/03	4,860	81	1,740	1,566	8,247	696	13,000	389	11	105	67
1,300 $1,400$ $1,800$ $6,300$ $10,800$ <100 $2,100$ $4,800$ $2,100$ $10,700$ $19,700$ 190 $2,560$ $1,720$ $2,220$ $8,549$ $15,049$ 93 $2,250$ $3,830$ $1,940$ $10,920$ $18,940$ 201 $2,250$ $3,830$ $1,940$ $10,920$ $18,940$ 201 $2,250$ $3,830$ $1,940$ $10,920$ $18,940$ 201 $1,870$ $4,920$ $2,110$ $13,950$ $22,850$ 105 863 $1,420$ $5,10$ $1,200$ $2,010$ $3,36$ $1,310$ 60 $1,600$ $1,248$ $2,778$ $1,200$ $1,310$ 60 $1,200$ $2,000$ $5,190$ $1,500$ $1,310$ 60 $1,200$ $2,000$ $5,190$ $1,500$ $1,310$ 60 $1,200$ $2,000$ $5,190$ $1,500$ $1,310$ 60 $1,200$ $2,000$ $5,190$ $1,500$ $1,010$ 67.8 $1,720$ $1,517$ $4,537$ 373 $1,010$ 67.8 $1,720$ $1,900$ $4,77$ 361 $1,010$ 67.8 $1,720$ $1,517$ $4,537$ 373 3 2 8 $1,720$ $4,77$ 361 $1,010$ 67.8 $1,720$ $1,900$ $4,77$ 361 3 2 8 $1,720$ $4,77$ 361 3 2 8 $1,720$ $4,77$ 361 3 <	5/14/03	3,280	68.8	1,220	1,699.3	6,268	1,020	24,000	126	38.5	29.6	18
2,100 4,800 2,100 19,700 190 190 2,560 1,720 2,220 8,549 15,049 93 2,550 3,830 1,940 13,950 2,190 190 190 2,550 3,830 1,940 2,210 13,950 2,190 105 1,870 4,920 2,110 13,950 2,180 1,470 201 963 1,420 521 5,420 8,336 1,470 20 890 140 510 1,248 2,778 1,200 1,600 1,800 190 1,200 2,193 1,500 1,600 1,600 1,800 190 1,200 1,937 4,777 361 1,500 1,010 67.8 1,720 1,937 4,777 361 1,500 1,030 90 1,937 4,777 361 1,500 1,500 1,010 67.8 1,720 1,937 4,477 361	9/13/00	1 300	1 400	1.800	6.300	10.800	<100	9.500	450		170	
Z,560 1,720 2,220 8,549 15,049 93 2,250 3,830 1,940 10,920 18,940 201 1,870 4,920 2,110 13,950 22,850 105 969 1,420 527 5,420 8,336 1,470 890 190 1200 2,190 1,500 5,190 1,500 1,800 190 1,200 2,000 5,190 1,500 1,200 1,800 190 1,200 2,000 5,190 1,500 1,000 1,310 60 1,000 1,517 4,537 373 373 1,010 67.8 1,720 1,837 4,777 361 1,000 1,030 90 1,720 1,837 4,423 986 1 1,030 67.8 1,720 1,837 4,423 986 1 1,030 90 1,720 1,837 4,423 986 1 1,030	10/8/01	2,100	4,800	2,100	10,700	19,700	190	21,000	350	74	140	24
2.250 3,830 1,940 10,920 18,40 201 1,870 4,920 2,110 13,950 22,850 105 969 1,420 527 5,420 8,336 1,470 890 140 510 1,200 5,190 1,500 1,800 190 1,200 2,000 5,190 1,500 1,800 190 1,200 2,000 5,190 1,500 1,310 60 1,650 1,517 4,537 373 1,030 90 1,720 1,837 4,777 361 1,030 90 1,720 1,837 4,777 361 1,030 90 1,720 1,837 4,777 361 1,010 67.8 1,750 1,800 7,429 986 1,010 67.8 1,750 1,800 7,429 986 1,010 67.8 1,750 1,800 7,429 986 1,010 1,0	11/21/02	2.560	1.720	2.220	8.549	15.049	83	11,500	641	110	212	140
1,870 4,920 2,110 13,950 22,850 105 969 1,420 527 5,420 8,336 1,470 890 140 510 1,200 2,190 1,500 1,800 190 1,200 2,000 5,190 1,500 1,310 60 1,200 2,000 5,190 1,500 1,310 60 1,720 1,937 4,777 361 1,010 67.8 1,720 1,937 4,777 361 1,010 67.8 1,720 1,507 4,429 986 1,010 67.8 1,720 1,600.7 4,429 986 ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND ND 1,010 67.8 1,750 4,370 6,220 4,1 3 2 8 11	2/13/03	2,250	3,830	1,940	10,920	18,940	201	27,500	612	103	207	176
963 1,420 527 5,420 8,336 1,470 890 140 510 1,248 2,778 1,200 890 190 1,200 2,000 5,190 1,500 1,310 60 1,000 1,000 5,017 4,537 373 1,010 60 1,500 1,517 4,537 373 1,010 67.8 1,720 1,937 4,777 361 1,010 67.8 1,750 1,600.7 4,429 986 1,010 67.8 1,750 1,600.7 4,429 986 ND ND ND ND ND ND 1,010 67.8 1,750 4,429 986 3 2 8 11 24 6 3 2 8 11 24 6 4500 15,800 6,300 6,300 6,300 100 410 180 1,1 24	5/14/03	1,870	4,920	2,110	13,950	22,850	105	63,000	394	77.9	162	147
969 $1,420$ 527 $5,420$ 8.336 $1,470$ 890 140 510 $1,200$ $5,190$ $1,200$ 1,900 190 $1,200$ $2,078$ $1,200$ 1,310 60 $1,600$ $1,617$ $4,537$ 373 1,010 60 $1,650$ $1,517$ $4,537$ 373 1,010 67.8 $1,720$ $1,937$ $4,777$ 361 1,010 67.8 $1,720$ $1,937$ $4,777$ 361 1,010 67.8 $1,720$ $1,937$ $4,777$ 361 ND ND ND ND ND ND 10 ND ND ND ND ND 10 10 3 2 8 11 24 6 10 3 2 8 11 24 6 100 470 1800 6,300 $6,300$ $6,300$												
890 140 510 1,248 2,778 1,200 1,800 190 1,200 5,190 1,500 5,190 1,500 1,310 60 1,650 1,517 4,537 373 373 1,310 60 1,500 5,190 1,500 5,900 1,500 1,010 67.8 1,720 1,937 4,777 361 1,010 67.8 1,720 1,937 4,777 361 ND ND ND ND ND ND 1 3 2 8 11 24 6 1 3 2 8 11 24 6 1 470 180 1,200 6,300 6,300 6,300 100 1 480 65 1,900 6,300 8,725 41 1 1 15,800 2,700 8,725 41 2 6 1 1 1 1 <td>2/10/94</td> <td>963</td> <td>1,420</td> <td>527</td> <td>5,420</td> <td>8,336</td> <td>1.470</td> <td></td> <td></td> <td></td> <td></td> <td></td>	2/10/94	963	1,420	527	5,420	8,336	1.470					
1,800 190 1,200 2,000 5,190 1,500 1,310 60 1,650 1,517 4,537 373 1,010 60 1,650 1,517 4,537 373 1,010 67.8 1,720 1,937 4,777 361 1,010 67.8 1,750 1,600.7 4,429 986 ND ND ND ND ND ND 3 2 8 11 24 6 3 2 8 11 24 6 470 180 1,200 4,370 6,220 100 480 65 1,900 6,300 8,725 41 15,800 2,700 8,725 41 6 6 15,800 2,700 8,700 8,726 41 6 6 15,800 9,900 3,2,200 6,300 5,900 5,900 5,900 15,800 9,801 <t< td=""><td>3/22/00</td><td>890</td><td>140</td><td>510</td><td>1,248</td><td>2,778</td><td>1,200</td><td></td><td>740</td><td></td><td></td><td></td></t<>	3/22/00	890	140	510	1,248	2,778	1,200		740			
1,310 60 1,650 1,517 4,537 373 1,030 90 1,720 1,937 4,717 361 1,010 67.8 1,720 1,937 4,717 361 1,010 67.8 1,720 1,937 4,717 361 ND ND ND ND ND ND ND 3 2 8 11 24 6 3 2 8 11 24 6 470 180 1,200 4,370 6,220 100 480 65 1,900 6,300 8,725 41 15,800 2,700 8,700 8,725 41 15,800 2,700 8,726 6,300 5,900 15,800 2,700 8,725 41 6 6 15,800 2,800 8,900 32,200 6,300 5,900 5,570 605 863 7,900 1,938 <t< td=""><td>10/9/01</td><td>1,800</td><td>190</td><td>1,200</td><td>2,000</td><td>5,190</td><td>1,500</td><td>29,000</td><td>300</td><td>84</td><td>140</td><td>18</td></t<>	10/9/01	1,800	190	1,200	2,000	5,190	1,500	29,000	300	84	140	18
1,030 90 1,720 1,937 4,777 361 1,010 67.8 1,750 1,600.7 4,429 986 ND ND ND ND ND ND ND 3 2 8 11 24 6 470 180 1,200 4,370 6,220 100 470 180 1,200 4,370 6,220 100 480 65 1,900 6,300 8,725 41 15,800 2,700 3,800 9,900 32,200 6,300 15,800 2,700 8,725 41 1 1 5,570 605 863 7,900 1,938 1,160 5,570 27100 3,801 1,933 1,180 1,900 5,570 605 863 7,900 1,933 1,180	11/21/02	1,310	60	1,650	1,517	4,537	373	24,900	512	135	179	110
1,010 67.8 1,750 1,600.7 4,429 986 ND ND ND ND ND ND ND 3 2 8 11 24 6 6 470 180 1,200 4,370 6,220 100 100 470 180 1,200 6,300 6,300 6,200 100 100 480 65 1,900 6,300 8,725 41 1 1 15,800 2,700 3,800 9,900 32,200 6,300 5,900 5,900 5,900 5,900 5,900 2,900 <td>2/13/03</td> <td>1,030</td> <td>90</td> <td>1,720</td> <td>1,937</td> <td>4,777</td> <td>361</td> <td>24,000</td> <td>496</td> <td>25</td> <td>160</td> <td>139</td>	2/13/03	1,030	90	1,720	1,937	4,777	361	24,000	496	25	160	139
ND ND<	5/14/03	1,010	67.8	1,750	1,600.7	4,429	986	32,000	462	155	150	85.5
ND ND<												
3 2 8 11 24 6 470 180 1.200 4,370 6,220 100 480 65 1,900 6,300 6,725 41 15,800 2,700 3,800 9,900 32,200 6,300 15,800 2,700 3,800 9,900 32,200 6,300 13,000 980 2,600 8,500 5,900 1,180 2,570 665 863 7,900 14,938 1,180 2,160 2,503 6,313 1,820 1,820	3/22/00	QN	ND	GN	Q	QN	Q		5			
470 180 1.200 4.370 6.220 100 460 65 1,900 6.300 8,725 41 15,800 2,700 3,800 9,900 32,200 6,300 13,000 980 2,600 8,500 25,080 5,900 5,570 665 863 7,900 14,938 1,180 2,160 2577 463 5,933 8,813 1,820	10/9/01	3	2	8	÷	24	9	2,000	16	4	6	-
470 180 1.200 4,370 6,220 100 480 65 1,900 6,300 8,725 41 15,800 2,700 3,800 9,900 32,200 6,300 13,000 980 2,600 8,500 25,080 5,900 5,570 605 863 7,900 14,938 1,160 2,160 25,160 25,933 8,813 1,1820												
460 65 1,900 6,300 8,725 41 15,800 2,700 3,800 9,900 32,200 6,300 13,000 980 2,600 8,500 25,080 5,900 5,570 605 863 7,900 14,938 1,160 2,160 25,160 25,033 8,813 1,1820	9/13/00	470	180	1,200	4,370	6,220	<u>6</u>	13,000	480		170	
15,800 2,700 3,800 9,900 32,200 6,300 13,000 980 2,600 8,500 25,080 5,900 5,570 605 863 7,900 14,938 1,180 2,160 25,7 463 5,933 8,813 1,820	10/9/01	460	65	1,900	6,300	8,725	41	29,000	600	170	340	56
13,000 980 2,600 8,500 2,500 5,900 5,570 605 863 7,900 14,938 1,180 2,160 257 463 5,933 8,813 1,820	0010710		001.0	000 0	0000	000 00	000 0	000 10	CON		, JEO	
19,000 500 1,000 5,570 605 863 7,900 14,938 1,160 2,160 257 463 5,933 8,813 1,820	00/0101	000 01	2,100	0000	002 a	35 080	2,000	000 00	740	140	260	53
2,160 257 463 5,933 8,813 1,820	101011	5 570	505	B63	7 000	14 938	1 180	20.500	600	167	250	164
2,160 25/ 463 5,333 0,013 1,020		nic'e	g	200	0001	0.0,0	001.	00000	200	101	100	
	2/13/03	2,160	257	463	5,933	6,813	1,820	22,100	401	011	185	148
03 1,830 130 493 5,889 8,342 1,730 36,000	14/03	1,830	130	493	5,889	8,342	1,730	36,000	507	141	246	967
		ł										

έ.

TABLE 9: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

,

Facility Name: Cumberland Farms #1006 8078 South Suncoast Blvd., Homosessa, FL

.

÷

Facility ID#: 098503049

.

Francial Burancial Burancial Burancial Burancial Burancial Burancial Columbia Columbia										-			
(i)(i) (i)(i)<	Location		Benzene	Toluene	Ethyl- benzene	Total Xylenes	Total VOA	MTBE	TRPHs	Naphthalene	1-Methyl Naphthalene	: 2-Methyl Naphthaiene	Acenaphthylene
1 1 1 500 500 20 20 20 20 10 ND ND <th>Concentration</th> <th>uation (Default -</th> <th>100</th> <th>400</th> <th>300</th> <th>200 .</th> <th></th> <th>200</th> <th>50,000</th> <th>200</th> <th>•</th> <th>200</th> <th>2,100</th>	Concentration	uation (Default -	100	400	300	200 .		200	50,000	200	•	200	2,100
(1) <t< th=""><th>M. Groundwater</th><th>Concentration</th><th>:</th><th>40</th><th>30</th><th>20</th><th>· · •••</th><th>50</th><th>5,000</th><th>20</th><th>20</th><th>.20</th><th>210</th></t<>	M. Groundwater	Concentration	:	40	30	20	· · •••	50	5,000	20	20	.20	210
37200 ND		2/10/94	\$	2	۲	4	4	*					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $. MW-10	3/22/00	Q	QN	QN	Q	QN	Q		QN			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$													
322000 ND 6 ND 4 10 ND 33 4 109971 7 2 28 63 2 3400 4 3 4 3 109971 7 2 28 63 2 3400 4 3 4 3 124020 10<		2/10/00	5	£	70	673	743	66					
10801 7 2 28 63 2 3.00 4 3 4 21000 <1		3/22/00	QN	8	QN	4	9	Q		39			
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	1 2 - AAW	10/9/01	7	2	28	26	63	2	3,400	4	e	4	<0.20
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1													
	-	2/10/00	\$	4	¥	£	Ÿ	⊽					
17402 <10 <10 <10 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 <20 </td <td>- MW-12</td> <td>1 / 3/22/00</td> <td>QN</td> <td>Q</td> <td>Q</td> <td>Q</td> <td>Q</td> <td>Ð</td> <td></td> <td>QN</td> <td></td> <td></td> <td></td>	- MW-12	1 / 3/22/00	QN	Q	Q	Q	Q	Ð		QN			
21000 c1 c1 <thc< td=""><td></td><td>1/24/02</td><td><1.0</td><td><1.0</td><td><1.0</td><td><2.0</td><td>•</td><td><1.0</td><td><590</td><td><0.20</td><td><0.20</td><td><0.20</td><td><0.20</td></thc<>		1/24/02	<1.0	<1.0	<1.0	<2.0	•	<1.0	<590	<0.20	<0.20	<0.20	<0.20
Z/1000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
372200 ND 3 ND			5	£	Ŷ	£	£	⊽					
ZI0000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th< td=""><td></td><td></td><td>Q</td><td>3</td><td>Q</td><td>6</td><td>5</td><td>Q</td><td></td><td>QN</td><td></td><td></td><td></td></th<>			Q	3	Q	6	5	Q		QN			
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	-						,						
Z1000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1	. MW-14	2/10/00	v	v	5	5	5	5					
372200 ND ND <th< td=""><td></td><td>2/10/00</td><td>₽</td><td>2</td><td>2</td><td>₽</td><td>v</td><td>v</td><td></td><td></td><td></td><td></td><td></td></th<>		2/10/00	₽	2	2	₽	v	v					
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th<< td=""><td> MW-15</td><td>3/22/00</td><td>Q</td><td>QN</td><td>QN</td><td>QN</td><td>QN</td><td>Q</td><td></td><td>QN</td><td></td><td></td><td></td></th<<>	MW-15	3/22/00	Q	QN	QN	QN	QN	Q		QN			
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <	 												
3/2200 ND 6 ND 152 158 ND 10 10 10 10 10/9(01 <1.0		2/10/00	4	4	4	80	80	2					
10/301 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10<		3/22/00	QN	6	QN	152	158	Q		10			
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th<< td=""><td></td><td>10/9/01</td><td><1.0</td><td><1.0</td><td>-</td><td>13</td><td>14</td><td><1.0</td><td><500</td><td><0.20</td><td><0.20</td><td><0.20</td><td><0.20</td></th<<>		10/9/01	<1.0	<1.0	-	13	14	<1.0	<500	<0.20	<0.20	<0.20	<0.20
Z1000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th<< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<<>													
· 3/22/00 ND ND ND ND ND ND 2/10/00 <1	 	2/10/00	£	Ł	₽	₽	v	Ŷ					
21000 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <th<< td=""><td></td><td>. 3/22/00</td><td>Q</td><td>Q</td><td>Q</td><td>g</td><td>Q</td><td>Q</td><td></td><td>QN</td><td></td><td></td><td></td></th<<>		. 3/22/00	Q	Q	Q	g	Q	Q		QN			
Z11000 C1 C1 <th< td=""><td>•</td><td></td><td>,</td><td>,</td><td>,</td><td>,</td><td>,</td><td>,</td><td></td><td></td><td></td><td></td><td></td></th<>	•		,	,	,	,	,	,					
372200 ND ND <th< td=""><td></td><td>00001/2</td><td>5</td><td>5</td><td>5</td><td>7</td><td>7</td><td>,</td><td></td><td></td><td></td><td></td><td></td></th<>		00001/2	5	5	5	7	7	,					
2/10/00 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <t< td=""><td>91-WW -</td><td>3/22/00</td><td>Q</td><td>ŌN</td><td>QN</td><td>QN</td><td>Q</td><td>Ŋ</td><td></td><td></td><td></td><td></td><td></td></t<>	91-WW -	3/22/00	Q	ŌN	QN	QN	Q	Ŋ					
372200 ND ND 25 25 ND 10 10 1/24/02 <1.0		2/10/00	Ŷ	2		5	¥	Ŷ					
1/24/02 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0		3/22/00	Q	Q	QN	25	25	Q		10			
10/18/94 <1 <1 <1 <1 <1 <1 <1 <1 3/22/00 ND ND ND ND ND ND ND		1/24/02	<1.0	<1.0	<1.0	<2.0	•	<1.0	1,200	<0.20	<0.20	<0.20	<0.20
3/22/00 ND ND ND ND ND ND ND ND ND			,	,	,		,	,					
	00,1004	10/16/94	7 9	5		7		7		4			
		3/22/00	Q	2	R	Q N	2	Ð		R			

. . .

•

TABLE 9: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Cumberland Farms #1008 8078 South Suncoast Bivd., Homosassa, FL

Facility ID#: 098503049

Acenaphthylene	2,100	210			169	161	295							
2-Methyl Naphthalene	200	20	353	. 350	194	176	229							
1-Methyl Naphthalene	200	20	171		154	91	78.9							
Naphthalene	200	20	656	730	550	540	474		QN			QN	467	
TRPHs	50,000	5,000		27,000	9,600	13,600	29,000							
MTBE	500 (50	4,370	2,700	1,100	957	792	4	QN		5	Q	Ð	
Total VOA	1. 		78,940	49,500	51,419	40,716	34,298	1>	QN		37	6	3,150	
Total Xylenes	200	20	18,200	7,900	8,579	6,286	5,358	5	Q		6	3	1,360	
Ethyl- benzene	300	30	2,940	4,400	4,190	2,900	3,160	5	QN		9	QN	690	
Totuene	400	40;	34,500	4,700	5,150	3,430	2,080	÷	QN		15	5	DN	
Benzenje	. 8.		23,300	32,500	33,500	28,100	23,700	12	Q		11	QN	1,100	
nple Date	(2. Netural Attenuetion Default 2.	Groundwater Concentration	10/18/94	9/13/00	11/21/02	2/13/03	5/14/03	2/10/00	3/22/00	. `	10/18/94	3/23/00	3/22/00	
Sample	Concentration	Groundwater				- 12-MW			VA-1			VA-2	PIAL-	

• · • Notes:

1. Results in micrograms per liter (ug/l)

2. Data prior to September 2000 was obtained from the analytical summary tables of previous reports.

3. After March 2000, all values >0.5 ug/ have been rounded to the nearest whole number. Values <0.5 ug/ have been rounded to the nearest lenth.

4. \mathbf{t}^* denotes no detection limit or state target level for this summed value.

5. A blank cell indicates the parameter was not analyzed.

Total VOA equals the sum of benzene, toluene, ethybenzene and total xylene compounds (o-xylene and pm-xylene).
 Laboratory detection limits are listed for all parameters yielding below laboratory detection limit results after March 2000.

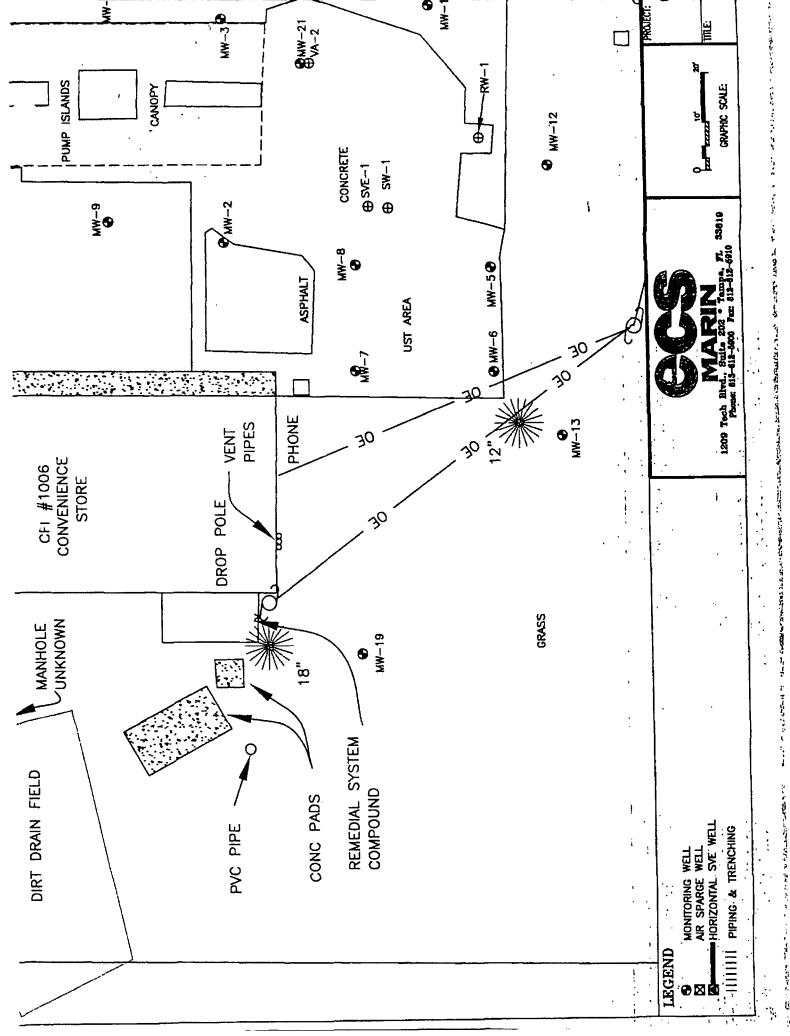
•

· · · ·

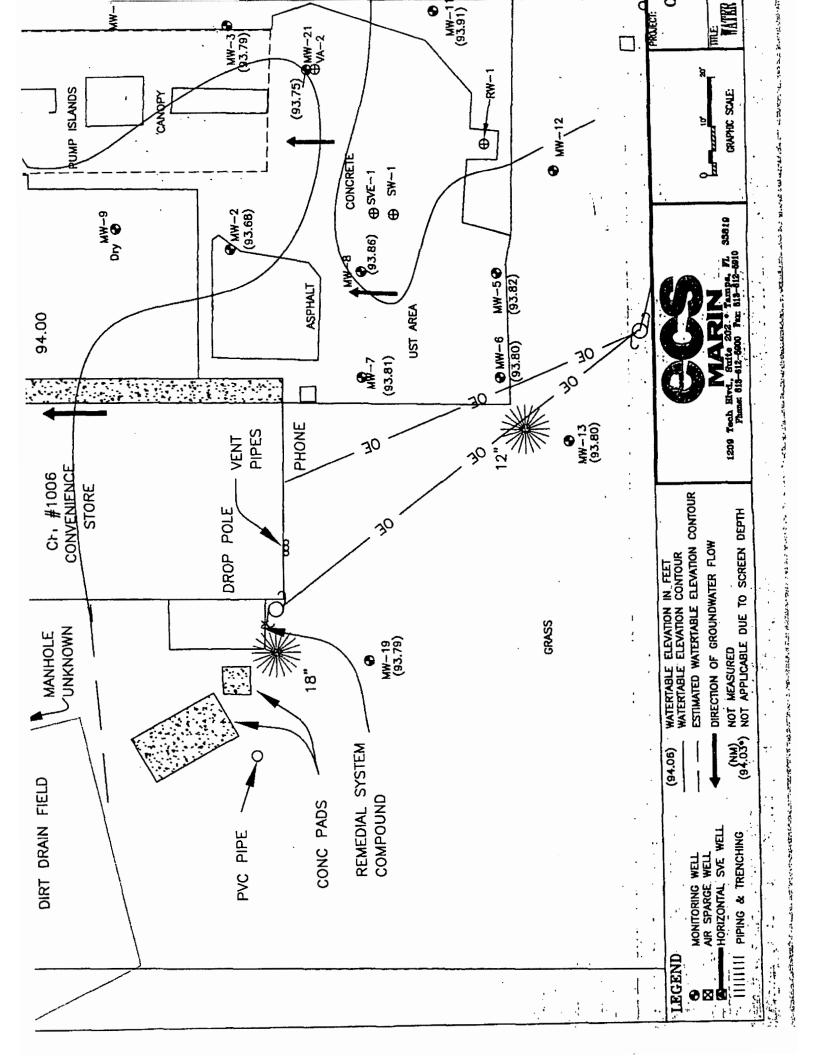
. .

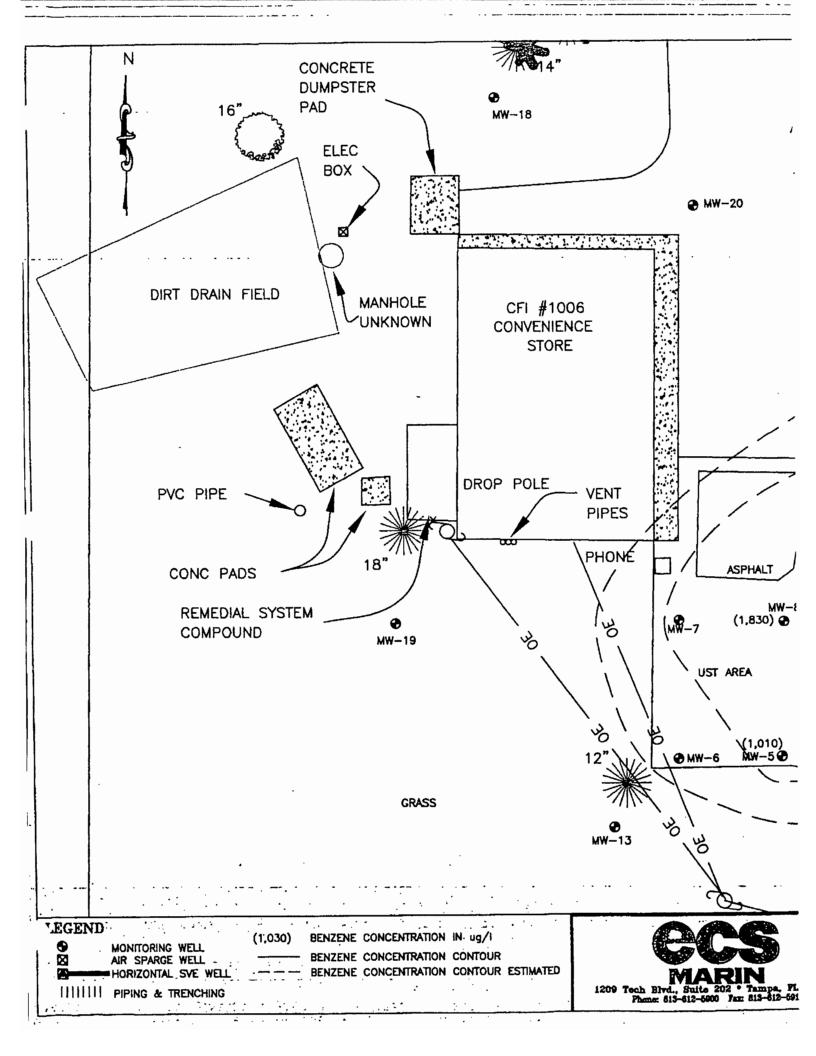
FIGURES

!



とうちましたい ちょうちょう ちょうしょう THE PERSON DESIGN





Site No. 4 U.S. Fish & Wildlife Service - Chassahowitzka 7798 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098626575

Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 8626575District: SWDName: Us Fish & Wildlife Serv Chassahowitzka
7798 S Suncoast BlvdCounty: Citrus7798 S Suncoast BlvdType: F-Federal Governme
Bomosassa Springs, FL 32646Contact: Us Fish & Wildlife ServiceLatitude: 28:44:54.0000Phone: 352-563-2088Longitude: 82:33:19.0000LL Method: AGPS-AutonomousNethod: AGPS-Autonomous

Account Owner: Us Fish & Wildlife Service

Tank #	Size Co	ntent	Installed	Placement	Status	Construction	Piping	Monito
3	1000 Unlead	ed Gas	02/01/1991	ABOVE	In Service	C X A O M P R	B A I	F Q
1	1000 Leaded	d Gas	07/01/1978	UNDER	Removed			
2	1000 Leaded	d Gas	07/01/1978	UNDER	Removed			

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

FLORIDA	Twin Towers	Office Bldg. ♥ 26 Divisio Bureau of	00 Blair S n Of W Petrol	Environmental Prote. In Stone Road & Tallahassee, Florida 32399-2400 Vaste Management eum Storage Systems		(4
, <u>Estimation (Construction Participation</u> Construction	Storage	Tank Facil	ity Co	ompliance Inspection Report		
Facility ID 862	6575 (County 🕗	9/	CITRUS Inspection Date	7/12/2	001
Facility Name US	FISH &	WIDI	IfE	SERVICE Facility Type F	- Fed (50V
Latitude 28°	' <i>44</i> '≶4" I	Longitude	82	23'19" # USTs	# ASTs 🗌	
). Provide or correct latitude/longitude when appr		
Compliance Inspection (An	the second s	TCI	\times	Discharge Inspection/Evaluation	TDI	
Compliance Inspection (DR		TCDI		Installation Inspection	TIN	
Compliance Inspection (Co	mplaint received)	TCPI		Closure Inspection	TXI	
Compliance Re-Inspection		TCR				
Rule Cite	Description / I	inspector's (Comm	ents		
	+	<u></u>		0.0.1/0		
		SEE	5	PAGE #2		
		\frown		,		
		1012	_ /	omments.		
	· · · · · · · · · · · · · · · · · · ·	<u> </u>		Diviner Cert 3		
					····	
Financial Responsibility – V	erify owner's coverag	ge. Select Insu	rance o	r Other, and provide Mechanism, if appropriate.		
Insurance Carrier:				Effective Date: Expiration Date:		
						-
Other Coverage meet	ting federal financial re	esponsibility rec	quireme	nts. Mechanism: <u>EXEMPT</u>		-
None		•				
		simon in the line of the				
Based upon the inspection r	esults and informatio	n provided by	the own	ner/operator, this facility appears to meet the req	uirements of]	Florida
Administrative Code 62-761	Ye Ye	S O	NO	• CWOE - Compliance without Enforcen on of the non-compliance items noted.	nent and a second	
A re-inspection will be schedi		uays to verify	correcti	on of the non-compliance items noted.	isantas No. 2. No	
0	· · · · · · · · · · · · · · · · · · ·			257-577-5789	7	
CTRUS ENVIRONA Storage Tank Program Office	MENIAL HE	ACTH	·	Storage Tank Program Office Phone Number	······································	
AAAAA	Simmer			Rob R Wine House	5	
nspector Name - Please Print	wijijuk	· · · · · · · · · · · · · · · · · · ·		Facility Representative Name – Please Print	/	
1ml-	\geq	/ /		RIDAN		
KILlasto S	7.	12/01		TOUR 15. (LUNIA		
Inspector Signature & Date	e /	1		Facility Representative Signature & Date		
Construction of the local data and the locae data a					-	

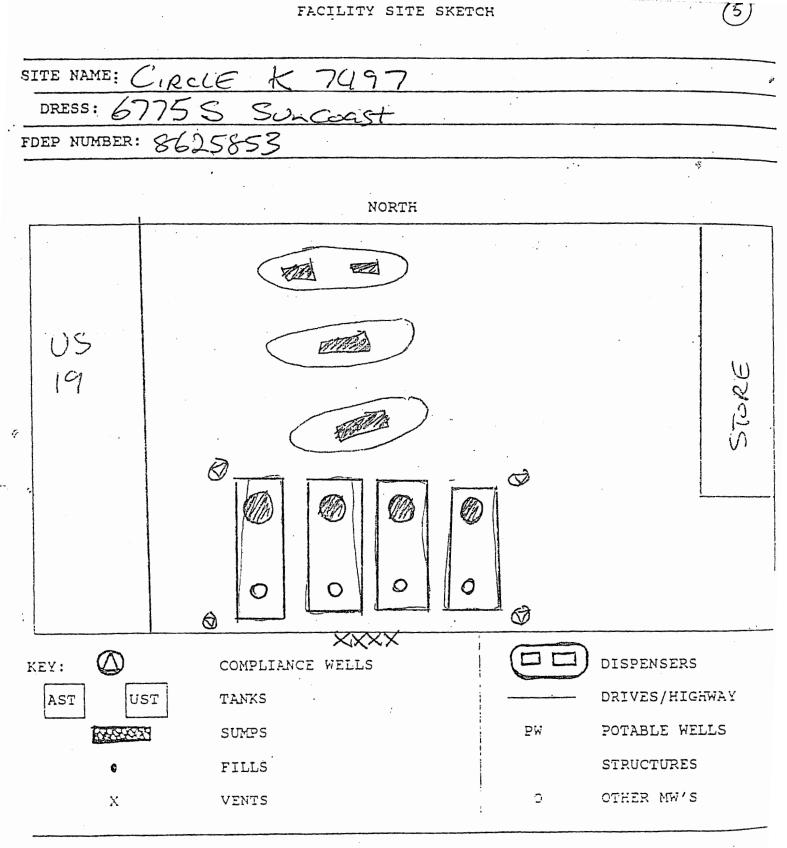
-	1		1
Page		of	

Florida Department of Environm. al Protection • Bureau of Petroleum orage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: US FISH + Wildlife Facility ID: 8626575 Date: 7/2/2001 **Description / Inspector's Comments** Ruie Cite Retease detection is a monthly visual Cleck of the tank and its interstice. these are documental and the conditions alouved are noted. Tank is Contained in a Constate dell Converte). He interstice is cleaked with a stick and it is dry. ankis equipped with a spill bucket nd a level gauge A photo graph of the tank has near added to the file.

Page () of \subseteq

Site No. 5 Circle K #7497 6775 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098625853 EPA I.D. No. FLD984254169 FACILITY SITE SKETCH



DRAWING REVIEWED AND UPDATED

	CMS9/19/00	•	
INSPECTORS INITIAL			1
AND DATE			
		and the second	

STI FORM 8-4 94



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

D.E.P.

David B. Struhs Secretary

APR 1.9 2001 Southwest District Tampa

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

Mr. Steve Belin Circle K Stores, Inc. 5650 Breckenridge Park Drive, Suite #300 Tampa, FL 33610

APR + 6 3007

Subject: <u>Site Rehabilitation Completion Order</u> Circle K #7497 6775 South Suncoast Blvd (US 19) Homosassa Springs, Citrus County, Florida FDEP Facility ID #098625853

Dear Mr. Belin:

The Bureau of Petroleum Storage Systems has reviewed the Site Assessment Report (SAR) and No Further Action Proposal (NFAP) dated January 12, 2001 (received January 16, 2001, and the Monitoring Well Abandonment Report dated April 3, 2001 (received April 5, 2001), prepared and submitted by ATC Associates, Inc., for the petroleum product discharge discovered on September 20, 1988 at this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 62-770.680(1), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge listed above, except as set forth below.

In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the NFAP or otherwise allowed by Chapter 62-770, F.A.C.

> "Protect, Conserve and Manage Florida's Environment and Natural Resources" Visit Our Internet Site At: www.dep.state.fl.us/dwm/bureaus/bpss.htm Printed on recycled paper.

Mr. Steve Belin FDEP #098625853 Page three

Stores, Inc., shall mail a copy of the request to Mr. Steve Belin, Circle K Stores, Inc., at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S. (1998, Supp.), and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

The FDEP Facility Number for this site is 098625853. Please use this identification on all future correspondence with the Department.

P.G. CERTIFICATION

No Further Action Proposal for Circle K #7497, 6775 South Suncoast Blvd, Homosassa Springs, Citrus County, FDEP Facility ID #098625853.

I hereby certify that in my professional judgment, the components of this No Further Action Proposal satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

I personally completed this review.

X This review was conducted by James Fillmore working under my direct supervision.

Richard A. Dunn, P.G. #1509¹⁷ WRS Senior Geologist Petroleum Cleanup Section 5 Bureau of Petroleum Storage Systems

20 Date

Site No. 11 Kwik Stop (Citgo - Binal Food Mart) 5445 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098841370



Florida Department of Environmental Protection

<u>Kwik Stop</u> Hashmukh Patel as Owner and Ketan Shah as Operator August 2, 2001

INTRODUCTION:

The responsibilities of the Florida Department of Environmental Protection The responsibilities of the Citrus County Health Department

SIGNIFICANT EVENTS:

- 1. As of 10/12/00 this Facility had three, 8,000 gallon, underground bare-steel petroleum storage tanks (USTs) with impressed current cathodic protection. The tanks were installed in July of 1988. The associated double-walled piping is constructed with synthetic materials. All three tank systems contain vehicular fuel petroleum products. The method of release detection for the USTs is monthly 0.2 gph leak tests conducted by Veeder-Root TLS-350 Automatic Tank Gauging (ATG) systems. The pressurized double-walled piping interstice is monitored by electronic sensors located in the STP sumps.
- 2. A compliance inspection conducted by Citrus County personnel on 10/12/00 indicated that the facility was non-compliant on several issues:
 - a. Documentation was not available to show that the Veeder-Root TLS-350 was being placed in test mode on a monthly basis.
 - b. Documentation was not available to show that the impressed current cathodic protection system was being inspected at intervals not exceeding two months.
- 3. On June 27, 2001 Citrus County issued a Warning Letter to Hashmukh Patel with a copy to Mr. Ketan Shah setting an enforcement meeting for August 2, 2001.



NONCOMPLIANCE ISSUES:

- Rule 62-761.600(1)(d), F.A.C., requires that the release detection method or combination of methods used at a facility shall be performed at least once a month, but not exceeding 35 days, to determine if a release from the storage tank system has occurred. Rule 62-761.610(1)(a), F.A.C. requires that all release detection methods meet the performance standards contained in Rule 62-761.640, F.A.C. The performance standards for Automatic Tank Gauging (ATG) systems are contained in Rule 62-761.640(3)(c)2.a., F.A.C., and require that they be placed in test mode at least once every 30 days.
- Rule 62-761.700(1)(b)2.b., F.A.C., requires that storage tank systems with impressed current cathodic protection shall be inspected at intervals not exceeding two months. Evidence of proper functioning shall be current output, normal power consumption, a signal indicating normal operation, or satisfactory electrical state of the protected structure. Rule 62-761.710(3)(d), F.A.C., requires that cathodic protection inspection records be kept for the life of the storage tank system..

RESOLUTION OF VIOLATIONS:

- 1. Immediately begin placing the Veeder-Root TLS-350 in test mode on a monthly basis. Documentation of the results of these monthly tests must be retained for a period of two years.
- 2. Immediately begin performing inspections of the impressed current cathodic protection system. The results of these inspections must be properly recorded and retained for the life of the storage tank system(s).
- 3. Correct any additional issues that are still open with Citrus County.
- 4. Pay all Departmental penalties and fees.

SETTLEMENT OF DEPARTMENT ENFORCEMENT ACTION:

Discussion of Consent Order Discussion of penalties and fees

SUMMARY OF AGREEMENTS:

Discussion of time frames for compliance Verification procedures and documentation



• Florida Department of Environmental Protection

PENALTY COMPUTATION WORKSHEET

Violator's Name: Mr. Hashmukh Patel (Owner) and Mr. Ketan Shah (Operator)

Identify Violator's Facility: Kwik Stop, DEP ID #09/8841370

Name of Department Staff Responsible for the Penalty Computations: Jon H. Reeder

PART I - Class A Penalty Determinations

	Violation Type	Potential for Harm	Extent of Deviation	Matrix Amount	Adjustment	Total
		101 11a1111				
	Failure to perform required	Moderate	Unresolved	\$2,000		\$2,000
1.	monthly release detection as required by Rule 62- 761.600(1)(d), F.A.C.			to \$5,000		to \$5,000
	, 011000 (1)(1), 1 1 1 0	Moderate	Resolved	\$500		\$500
				to		to
				\$2,000		\$2,000
	Tailure to perform required	Minor	Unresolved	\$200		\$200
2.	Failure to perform required impressed current cathodic	TAUNOL	Onresorved	to		to
2.	protection inspections as required by Rule 62-			\$500		\$500
	761.700(1)(b)2.b., F.A.C.	Minor	Resolved	\$100		\$100
				to		to
				\$500		\$500
3.	Department fees					\$100

Total Penalty Range and Fees for all Violations: \$700 - \$5,600

- STORAGE TANK PROGRAM CHAPTER 62-761 F. A. C. PENALTY ASSESSMENT MATRIX

EXTENT OF DEVIATION

P O T E	Violation Type	Unresolved	Resolved
N T I A L	Significantly Not In Compliance: <u>Type A</u> (MAJOR)	\$10,000 to \$5,000	\$5,000 to \$2,000
F O R	Significantly Not In Compliance: <u>Type B</u> (MODERATE)	\$5,000 to \$2,000	\$2,000 to \$500
H A R M	Minor Out of Compliance (MINOR)	\$500 to \$200	\$500 to \$100

÷

C048399	•	TANK REMOVAL
8241370	ANDREW BELL, IN	
141-	Petroleum Equipment Services	9
June 20, 1997		
Citrus County Dept	• of Public Safety	
285 S Kensington A Lecanto, FL 34461	venue	
	•	
Attn: David E. Ch	ronister	
AUGH. David b. CI		
Dear Mr. Chroniste	r	
Enclosed please fi	nd the report and test r	esults for Binal Food
Mart, 5445 Suncoas	t Blvd., Homosassa, FL. ase feel free to contact	If you should have
Sincerely,	1	
(Anna Roal		
Andrew Bell		
AB/kc		
Encls		
Ì		
		· .
	•	
		• •
P.O. Box S	309 • Ocoee, Florida 34761-0809 • (407) 877-1	8892 · Fax: (407) 656-8089
	•	

A)	Ы	π	R	E	ы	E	Ε	L	L	

W. E. Moore Environmental Consultant, Inc.

7. E. Moore President 7651 Havenford Ct. Orlando, R. 32818

> Telephone 407-292-6799 Fax 407-298-0622

it with an

ļ

こういん かんか かちょうちょう ししていていたい

ないかないたちで

うちにある しろうちょう ちょう

C 19

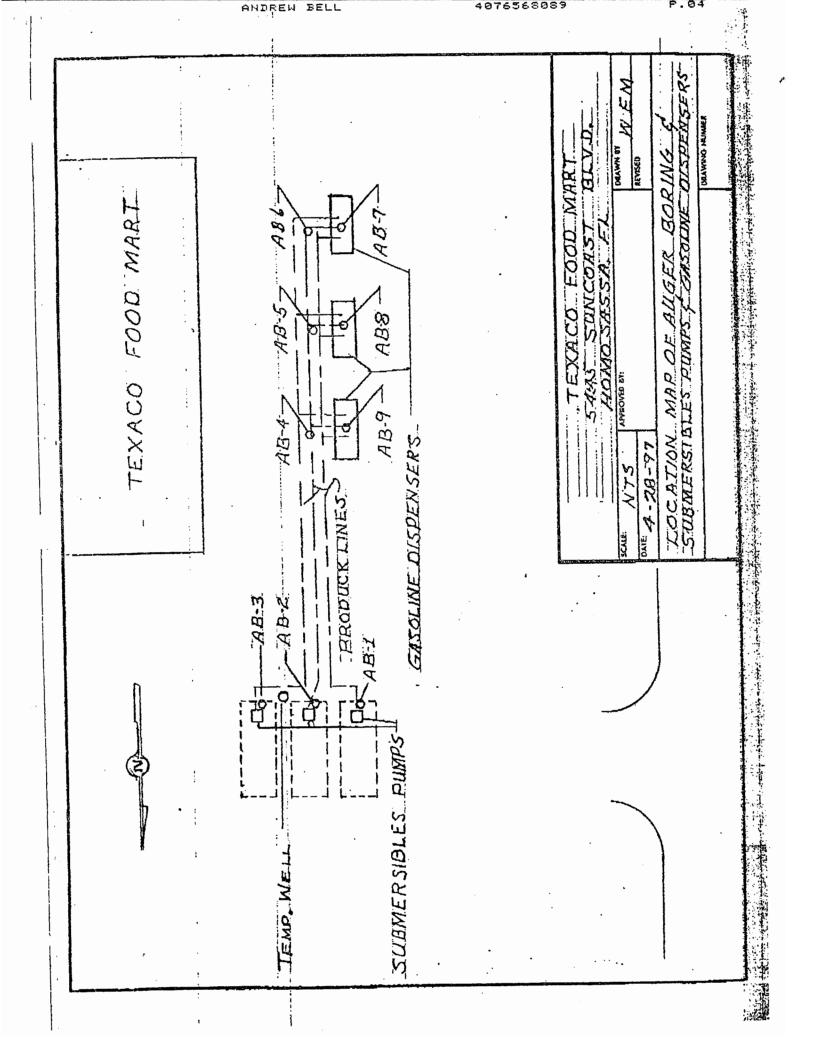
AUGER BORING REPORT

April 18, 1997

Location: Binal Food Mart, 5445 Suncoast Blvd., Homosassa, FL

Reading was obtained from a 16 oz. jar half-filled with a head space using HNU 101 FID instrument.

		• -
AB1 1 ft.	4 ppm	AB2 1 ft. 130 ppm
AB1 2 ft.	,	AB2 2 ft. 190 ppm
AB1 3 ft.		AB2 3 ft. 240 ppm
	o pp	
AB3 1 ft.		AB4 1 ft. 0 ppm
AB3 2 ft.	1	AB4 2 ft. 0 ppm
AB3 3 ft.	440 ppm	AB4 3 ft. 0 ppm
		• •
AB5 1 ft.	0 ppm	AB6 1 ft. 0 ppm
AB5 2 ft.		AB6 2 ft. 0 ppm
AB5 3 ft.		AB6 3 ft. 0 ppm
1100 0 11.	4 PP	· · · · · · · · · · · · · · · · · · ·
107 1 0	d	
AB7 1 ft.		AB8 1 ft. 0 ppm
AB7 2 ft.	0 ppm	AB8 2 ft, 0 ppm
AB7 3 ft.	0 ppm	AB8 3 ft. 0 ppm
AB9 1 ft.	0 nnm	
		i
AB9 2 ft.		i, ·
AB9 3 ft.	0 ppm	



Site No. 14 Quick Save Discount Beverage 5366 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098503115



Department of Environmental Protection

Jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs Secretary

September 12, 2000

SITE 14

Ms. Diana Lumpkins Sunny Days Plaza 5390 South Suncoast Blvd. Homosassa, FL 34446

Re: Quick Save Discount Beverages 5366 South Suncoast Blvd. Homosassa, Citrus County, Florida FDEP Facility ID #098503115

Dear Ms. Lumpkins:

Michelle Allard of the Bureau of Petroleum Storage Systems has reviewed the Site Assessment Report (SAR), dated April 21, 2000 (received April 26, 2000), submitted by Streamline Environmental, Inc., for the discharge discovered on December 20, 1999 at the above referenced site. The Department found all the documents submitted to date to be adequate to meet the contamination assessment requirements of Sections 62-770.600 and 62-770.630, Florida Administrative Code (F.A.C.). Therefore, you must now submit a Remedial Action Plan (RAP) in accordance with Section 62-770.700, F.A.C. The Department concurs that, due to the limited extent of contamination, the RAP may be limited in scope.

Please send a copy of the approved SAR document(s) to Mr. Ken Weber of the Southwest Florida Water Management District within thirty (30) days of receiving this approval letter.

Please submit the RAP addressed to me within ninety (90) days of receipt of this request, as required by Section 62-770.700(1), F.A.C. If you have any questions concerning this review, please contact me at (813) 744-6100, ext. 427.

Sincerely,

Gran E. X. Cart ge

Leslie E. L. Pedigo Environmental Specialist III Tanks Program Division of Waste Management

LELP

cc: Craig Smith, Streamline Environmental, Inc. Mark Sumner, Citrus County Health Department Michelle Allard, FDEP-BPSS, Petroleum Cleanup Section 5 Tom Conrardy, FDEP-BPSS, Petroleum Cleanup Section 3 "More Protection, Less Process"

F Department of Environ Twin Towers Office Bldg. • 2600 Blair Stone Road • Division of Waste Mana Bureau of Petroleum Stora	Tallahassee, Florida 32399-2400 gement ge Systems
Storage Tank Facility Compliance	e Inspection Report
Facility ID 8503115 County 09/CITRUS	
Facility Name QUICK SAVE DISCOULT BEV.	Facility Type A-RETAIL
Latitude 28°47'00 " Longitude 82°35 '4	3" L/L Method A-GPS
Check box to identify type of inspection performed. Update latitude/longitude as nece Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GGPS" (Trip Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	ssary. # USTs nble)). Inspected 764 # ATSs Inspected
Compliance Inspection (Annual) TCI / Installation	n Inspection TIN
Compliance Inspection (DRF received) TCDI Closure In	
	ce Re-Inspection TCR
Discharge Evaluation ("short form") TDI ** Record	the results of the TDI in a Discharge Project
• "Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of ele	ectronic data recording of inspection results.
Rule Cite 62-76/ Description / Inspector's Comments	Code
.610(1)(a) The SIR Relea	use detection
method that is us	ied at this
	meet the petermence
	:62-761.640
as required.	
	Current Cathodic
Rictertion for the	Diame has not
lad its Soil to St	ucture Potastal
tested within the	last 12 months.
Financial Responsibility - Verify owner's coverage. Select Insurance or Other, a	
X Insurance Carrier: C+T Effective	Date: <u>5/11/00</u> Expiration Date: <u>5/11/01</u>
Other Coverage meeting federal financial responsibility requirements. Mech	
None	
Based upon the inspection results and information provided by the owner/operat Florida Administrative Code 62-761. A re-inspection will be scheduled on or after <u>30</u> days to verify correction of the n	O CWOE - Compliance without Enforcement
CITRUS CNTX ENV. HEALTH 352-	-527-5295
	k Program Office)Phone Number
	resentative Name – Please Print
Male Se glulos k	Hahl_
Inspector Signature & Date Facility F	Representative Signature & Date

Page	-[_of_	2
------	----	------	---

, Florida Department of Environm 'rotection © Bureau of Petroleum je Systems Storage Tank Facility Compliance Inspection Report

Facility Name: QUICK SAVE DISC. BEV. Facility ID: 8503/15 Date: 9/11/00

Cite	Description / Inspector's Comments
COMMENTS	Release detection is S.I.R. By
	South EASTERN LIQUID ANALYZERS.
	All have Been Passing Since 1087
	inspection.
	The dispenser lines are visually clecked
	Monthly by owner, and Conditions
	are noted in log book. There is some
	Wetting in the Reg. UL Liner, but no
	accumulated liquid. The plus/premium
	liners were dry.
	All TANKS Were Tightness Tested
	1/17/00 with Homes EZY3 by Piecision
	Petroleum all Passed.
· · ·	Lines were Tightness tested 1/17/00
	With Hener EZY product line test by precision
	Petroleum all passed.
	2000 - 2001 placard is displayed
	Cathodic protection impressed corrent
	readings are logged Monthly and currently
	read 17 Volts 0.5 Amps. the Soll
	To Structure Les last tested 8/99 It
	Wes due again 8/2000.
	The tanks were internally lined
	IN February 1992. Because that
	they must be internally inspected
	by tebruary 2002.
· [

Page 2 of 2

Florida Department of Environmental Protection

Memorandum

то.	Michael Bland Bureau of Petroleum Storage Sy Petroleum Cleanup Section 4 Mail Station 4580	stems
FROM:	Leslie Pedigo	BUREAU OF PETROLEUM
DATE	April 28, 2000	MAY DI 200 E SEL
SUBJECT:	Site Assessment Report Quick Save Discount Beverages 5366 South Suncoast Boulevard Homosassa, Citrus County, Flor DEP Facility ID #098503115	SECTION 4 3 5 5

Enclosed please find the above referenced SAR for your review and comments. Since this site is currently not eligible for one of the cleanup programs, please send your comments to me

Thanks for your assistance!

 \mathbf{LP}

Enclosure

D.E.P.

APR 26 2000

Southwest District Tampa

3UREAU OF PETROLEUM

STORAGE SYSTEMS

PETROLEUM CLEANUP

SECTION 4

ū

5

SITE ASSESSMENT REPORT QUICK SAVE DISCOUNT BEVERAGE 5366 S. SUNCOAST BOULEVARD HOMOSASSA, FLORIDA 34446

FDEP ID NO. 98503115

Prepared For:

QUICK SAVE DISCOUNT BEVERAGES 5366 S. SUNCOAST BOULEVERD HOMOSASSA, FLORIDA 34446

Prepared By:

STREAMLINE ENVIRONMENTAL 519 NORTH HOWARD AVENUE TAMPA, FLORIDA 33606

APRIL 2000



STREAMLINE PROJECT NO. 000206

rida Registration No 164

Smith, PG

TABLE OF CONTENTS

EXECUTIVE SUMMARY	1
10 INTRODUCTION	. 3
2 0 SITE DESCRIPTION	4
2 1 SITE LOCATION	4
22 SITE LAYOUT	. 4
2 3 TANK HISTORY	4
2.4 DISCOVERY OF CONTAMINATION	4
25 UTILITIES	. 4
26 STORM WATER DRAINAGE	5
27 SURFACE WATER HYDROLOGY	5
2 8 ADJACENT PROPERTY LAND USE	5
30 REGIONAL HYDROGEOLOGY	. 6
4 0 CONTAMINATION ASSESSMENT ACTIVITIES	7
4 1 VADOSE ZONE INVESTIGATION	7
4 1 1 Soil OVA Analysis	7
4 1 2 Soil Sampling for Laboratory Analysis	7
4.2 GROUNDWATER INVESTIGATION	8
4 2 1 Monitoring Well Installation	8
422 Groundwater Flow Direction	. 8
4 2 3 Groundwater Sampling and Analysis	9
4 3 SITE GEOLOGY	9
4.4 CONTAMINANT TRANSPORT MECHANISMS	. 10
4.5 AQUIFER CLASSIFICATION .	10
4 6 POTABLE WELL SURVEY	10
47 AQUIFER TESTING	10
50 CONCLUSIONS	12

LIST OF FIGURES

- 1 SITE LOCATION MAP
- 2 SITE LAYOUT PLAN
- 3 BORING LOCATION PLAN
- 4 MONITORING WELL LOCATION PLAN
- 5 GROUNDWATER ELEVATION MAP 2/29/2000
- 6 GROUNDWATER ELEVATION MAP 4/4/2000
- 7 BENZENE CONCENTRATION MAP
- 8 TVOA CONCENTRATON MAP
- 9 GEOLOGIC CROSS-SECTION
- 10 POTABLE WELL LOCATION MAP

LIST OF TABLES

- 1 SOIL OVA DATA
- 2 SOIL ANALYTICAL DATA
- 3 GROUNDWATER ELEVATION DATA
- 4 GROUNDWATER ANALYTICAL DATA
- 5 MONITORING WELL CONSTRUCTION DETAILS
- 6 AQUIFER TESTING RESULTS

LIST OF APPENDICES

- A PHASE II ANALYTICAL RESULTS
- B SOIL BORING LOGS
- C LABORATORY ANALYTICAL REPORT
- D SAMPLE COLLECTION FORMS
- E SLUG TEST DATA
- F POTABLE WELL SURVEY

LIST OF ACRONYMS AND ABBREVIATIONS

ASTM ATRP bls CAR	American Society of Testing and Materials Abandoned Tank Restoration Program below land surface Contamination Assessment Report
CompQAP	Comprehensive Quality Assurance Plan
EPA	U S Environmental Protection Agency
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FID	Flame Ionization Detector
ft	foot or feet
ft/day	feet per day
GCTL	Groundwater Cleanup Target Level
IRA	Initial Remedial Action
mg/L	milligrams per liter
MOP	Monitoring Only Plan
MTBE	methyl-tertiary-butyl ether
NFA	No Further Action
OVA	Organic Vapor Analyzer
PAH's	polynuclear aromatic hydrocarbons
ppm	parts per million
PVC	polyvinly chloride
SAR	Site Assessment Report
SCTL	Soil Cleanup Target Level
SWFWMD	Southwest Florida Water Management District
TRPH	total recoverable petroleum hydrocarbons
TVOA	total volatile organic aromatics
USCS	Unified Soils Classification System
UST	underground storage tank
ug/L	micrograms per liter

EXECUTIVE SUMMARY

Tank History

Four, 4,000 gallon capacity USTs, each containing unleaded gasoline, were installed on the property in 1977 The steel tanks have since been upgraded and have internal lining, cathodic protection, and spill containment The steel, suction piping system is cathodically protected.

Discovery of Contamination

Petroleum contamination was first detected at the facility during Phase II Environmental Site Assessment activities in conducted in December, 1999 As part of the phase II investigation, groundwater samples were collected from the four compliance wells surrounding the tank pit area Laboratory analysis of the samples found concentrations of petroleum constituents (benzene, ethylbenzene, toluene and total xylenes) that exceed Groundwater Cleanup Target Levels (GCTLs) A Discharge Reporting Form (DRF) was submitted to the FDEP in response to the discovery of contamination In addition, pressure testing of the petroleum system was conducted, which identified no leaks As such the source of contamination was probably a small spill. In addition, because the study found little MTBE, the spill was probably old

Soils Investigation

Ten soil borings were performed to delineate the extent of petroleum impacts in the vadose zone Soil gas survey results found no excessively contaminated soils (OVA reading > 500 ppm) One sample was collected for laboratory analysis from the area of highest OVA readings No evidence of adverse petroleum impacts was detected in the soil sample analyzed

Groundwater Flow Direction

Two rounds of water table elevation data were collected during the study Depth to water ranged from 9 to 10 ft below land surface The surface of the water table is too flat to contour Regionally, groundwater flows west to the Gulf of Mexico No significant vertical hydraulic gradient was found

Groundwater Investigation

Prior to the site assessment, four shallow monitoring wells were located in the area of the tank pit Streamline installed four additional permanent shallow wells (14 ft total depth) and one double-cased deep well (30 ft total depth) Two of the source area wells (MW-1 and MW-4) were tested for the entire kerosene analytical group The remaining wells were sampled for EPA Method 602 and 610 parameters, and FLPRO only.

Groundwater sampling results found concentrations of volatile organic compounds (Benzene and Ethylbenzene) that exceed Groundwater Cleanup Target Levels in 2 wells Contaminants were not detected in the deep well installed into the Upper Floridan Aquifer The contaminated area is approximately 50 ft by 50 ft by 10 ft thick

Hydrogeology

The shallow geology at the site consists of primarily fine grained sand and slightly silty sand from land surface to approximately 18 ft below land surface (bls) Sandy clay to clayey sand was found between 18 and 20 ft bls. Fossiliferous limestone was found from 20 ft bls to maximum boring depth of 30 ft

Water Well Survey

Area residents and businesses, including the subject property, rely on groundwater for their drinking water. Although the Southwest Florida Water Management District had little information on wells in the immediate site vicinity, an area reconnaissance identified water wells at nearly all residences in the vicinity. The nearest water well to the source area is located approximately 200 ft to the west.

Conclusions and Recommendations

The results of the Site Assessment indicate that groundwater in the surficial aquifer has been impacted by petroleum hydrocarbons, and that the level of impact exceeds the groundwater cleanup target levels However, the magnitude and extent of impacts appears to be limited and rate of migration appears to be very slow As such, a Remedial Action Plan should be prepared to determine the most practical and cost-effective remediation strategy for the site Because the size of the contaminated area is relatively small, an Alternative Remedial Action (such as short term air sparging and soil vapor extraction) may be effective at reducing contaminant levels to within Natural Attenuation levels

1.0 INTRODUCTION

Streamline Environmental was retained by Quick Save Discount Beverages to perform a Site Assessment Report (SAR) of petroleum contamination at the subject property. The assessment was initiated because groundwater impacts were discovered at the site during a phase II environmental site assessment

The facility ID number for the facility is 98503115

2.0 SITE DESCRIPTION

2,1 SITE LOCATION

The subject property is located in Citrus County at the physical address of 5366 S Suncoast Blvd in Homosassa, Florida Geographically, the site is located in Section 35, Township 19 South, Range 18 East A Topographic Site Location Map is included as Figure 1

2.2 SITE LAYOUT

The subject property is a gas and convenience store centrally located in the Sunny Days Shopping Plaza The property has approximate dimensions of 190 ft by 500 ft The Sunny Days Plaza building is rectangular-shaped with approximate dimensions of 420 ft by 40 ft An asphalt parking lot borders the east side of the plaza building The USTs and fuel dispensers are located in the parking lot approximately 50 ft west of the plaza building A Site Layout Plan is included as Figure 2

2.3 TANK HISTORY

Four, 4,000 gallon capacity USTs, each containing unleaded gasoline, were installed on the property in 1977 The steel tanks have since been upgraded and have internal lining, cathodic protection, and spill containment The steel, suction piping system is cathodically protected

2.4 DISCOVERY OF CONTAMINATION

Petroleum contamination was first detected at the facility during Phase II Environmental Site Assessment activities in December, 1999 As part of the phase II investigation, groundwater samples were collected from the four compliance wells surrounding the tank pit area Laboratory analysis of the samples found concentrations of petroleum constituents (benzene, ethylbenzene, toluene and total xylenes) that exceed Groundwater Cleanup Target Levels GCTLs Pertinent data from the phase II assessment are included in **Appendix A**.

A Discharge Reporting Form (DRF) was submitted to the FDEP in response to the discovery of contamination In addition, pressure testing of the petroleum system was conducted, which identified no leaks. As such the source of contamination was probably a small spill In addition, because the study found no MTBE, the spill was probably very old

2.5 UTILITIES

Water is supplied to the property by a private water well located approximately 100 feet west of the subject building All sewage is pumped to a private waste water treatment plant located adjacent to the west of the study area Overhead electrical lines enter the property from the west and supply electricity to the subject building Underground telephone utilities run north and south along Hwy 19 Sewer lines are not present within the impacted area

2.6 STORM WATER DRAINAGE

No storm water drains were identified on the property Storm water runs off the parking lot and infiltrates into the permeable sandy soils

2.7 SURFACE WATER HYDROLOGY

Petroleum contamination at the subject property is not anticipated to be impacting with any surface water bodies. Review of the USGS Topographic map, Homosassa Quadrangle revealed that the nearest surface water body to the subject property is located over one mile to the southwest

2.8 ADJACENT PROPERTY LAND USE

Land use in the site vicinity is commercial Adjacent properties are described below and shown on Figure 2

<u>North</u>

The subject property is bordered to the north by Palace Road An undeveloped lot is located on the north side of Palace Road.

<u>South</u>

Oak Ridge Drive borders the southern property boundary Land on the south side of Oak Ridge Drive contains the Oak Ridge Center retail plaza

<u>East</u>

The subject property is bordered to the east by Highway 19 (U S 55) Homasassa Printing, Wherehouse Storage, and R&R Used Auto are located on the east side of Hwy 19

<u>West</u>

A small gravel road borders the western subject property boundary Homosassa Tire, a small sewage treatment plant, and Bob's Garage are located on the west side of the road

3.0 REGIONAL HYDROGEOLOGY

In general, there are three hydrostratigraphic units underlying much of Citrus County These include the surficial water table aquifer, an underlying discontinuous confining unit, and the Floridan Aquifer system

Plio-Pleistocene Age Sands comprise much of the surficial aquifer across the county These deposits consist of sand and shell sand, which range in thickness from 2 to more than 50 ft Scott (1981) report that the average Plio-Pleistocene Age deposits are 25 ft thick in the vicinity of the site The Plio-Pleistocene Age deposits are not generally an important source of water because high quality potable water can be obtained from underlying limestone units

Throughout much of Citrus County the surficial sands are underlain by blue-gray clays and interbedded marine sands of the Hawthorn Group of middle to late Miocene Age Where present, these units serve as a regional confining layer, restricting the vertical migration of groundwater between the surficial aquifer and the underlying confined carbonate aquifer The thickness of the Hawthorn Group in the vicinity of the site ranges from between 0 to 50 feet (Scott and MacGill, 1981) Due to the confining characteristics of the Hawthorn Group, the area of the subject property is within a zone of generally "no recharge" to the Floridan Aquifer However, where the Hawthorn Group is not present, recharge to the Floridan Aquifer may occur

Beneath the surficial aquifer and confining unit sediments, carbonate deposits are encountered which comprise the Floridan aquifer system The top of the Floridan aquifer system is generally considered to be the Eocene Age Ocala Formation (Scott, 1992) The characteristic karst features of the Ocala Formation can be seen in many of the area springs

4.0 CONTAMINATION ASSESSMENT ACTIVITIES

All sampling and decontamination procedures were performed in accordance with Streamline Environmental's FDEP approved Quality Assurance Plan No 930289.

4.1 VADOSE ZONE INVESTIGATION

Ten soil borings were installed in the vadose zone in the vicinity of the UST system for the purpose of delineating the extent of petroleum hydrocarbon contamination in the soil Boring and sampling methods, boring placement rationale, and organic vapor analysis (OVA) results are discussed in this section

4.1.1 Soil OVA Analysis

Soil screening and sampling was performed on February 16, 2000 All soil borings were installed using a decontaminated stainless-steel bucket auger A concrete coring machine was utilized as necessary to penetrate the concrete and asphalt surface cover. Soil samples were collected at approximately 2 ft depth intervals and placed in clean half-full 16 ounce glass jars for Organic Vapor Analysis (OVA) analysis The water table was encountered in most soil borings at a depth of 8 ft below land surface (bls) Soil samples were analyzed using a field-calibrated Porta-Fid OVA according to FAC Chapter 62-770 guidelines for assessment and remediation of petroleum impacted soil. The OVA was calibrated at the beginning and end of each sampling day. Each soil sample was screened for the presence of methane/ethane using a fresh activated charcoal filter. Soil boring logs are included in Appendix B. All soil borings were backfilled immediately after completion, and the surface cover (concrete or asphalt) was restored. The bucket auger was properly decontaminated between each sampling location.

Soil boring locations were chosen with regard to potential sources of petroleum discharge including the UST area, product piping, and fuel dispensers Soil borings B-1 through B-6 were located immediately adjacent to the UST area Soil borings B-7 through B-10 were placed around the fuel dispensers and product piping Soil boring locations are shown on Figure 3.

The results of the vadose zone investigation found no excessively contaminated soil (net OVA reading > 500 ppm) in the vicinity of the USTs or fuel dispensers The highest OVA readings were at 8 ft depth from borings B2 and B3, which had 19 ppm and 76 ppm respectively Both of these samples were collected from the capillary fringe of the water table Soil OVA results are tabulated on Table 1

4.1.2 Soil Sampling for Laboratory Analysis

One soil sample was collected (February 16, 2000) for laboratory analysis from a depth of 70 ft bls at the location of B-3 This location was selected based on OVA readings The

· --- -

sample was analyzed by SunLabs, Inc (CompQAP No. 970077) for EPA method 8021, 8100, and FLPRO parameters Laboratory results are summarized on **Table 2** The laboratory report is included in **Appendix C**. As shown, petroleum compounds were not detected in the sample, with the exception of 5 4 mg/kg TRPH This level is well below the soil cleanup target level of 340 mg/kg

4.2 GROUNDWATER INVESTIGATION

4.2.1 Monitoring Well Installation

Prior to the SA, the site had four shallow monitoring wells in the area of the tank pit which served to comply with the State leak detection requirements In addition, four additional permanent shallow wells (MW-5 through MW-8, 14 ft total depth) and one double-cased deep well (DW-1, 30 ft total depth) were installed by National Environmental Services Company (NESCO) using a truck-mounted drill rig and decontaminated hollow stem auger Well locations are shown in Figure 4.

Each of the shallow wells consisted of 2-inch diameter PVC and included a 10 ft section of 0 01" slotted well screen A 5 ft well screen was used for the deep well A 20/30 grade sand filter pack was placed around the screened interval of each well annulus to approximately 1 ft above the screened intervals. An additional 2 ft of 30/65 fine sand was placed above the 20/30 sand filter packs and the wells annuli were grouted to land surface The wells were completed at land surface with 8-inch diameter steel manhole covers that were secured in 24-inch square concrete pads Boring logs including well completion diagrams are included in **Appendix B**

After installation, all wells were developed until the water ran clear and free of sediment using a decontaminated submersible pump The development water and soil cuttings were screened for contamination using an OVA prior to spreading onsite Contamination was not detected in any of the investigation derived wastes

4.2.2 Groundwater Flow Direction

The top-of-casing of each well was surveyed to a relative site benchmark Depth to water measurements were collected from each well on February 29 and April 4, 2000 Groundwater elevation data are summarized on **Table 3**. Water table elevation maps are included as Figures 5 and 6. As shown, the water table surface is too flat to contour However, regionally groundwater flows west towards the Gulf of Mexico Comparison of water table elevation data from the shallow wells and the deep well indicate no downward vertical hydraulic gradients. In fact, the deep well had the highest water table elevation of all the wells for each measurement event

4.2.3 Groundwater Sampling and Analysis

Purging

Prior to sampling, each well was purged a minimum of five well volumes using a decontaminated TeflonTM bailer in order to obtain representative groundwater samples In addition, each well was checked for the presence of free-floating hydrocarbon Free floating hydrocarbon was not encountered in any of the wells.

Sampling

Groundwater samples were collected on February 29, 2000 using a decontaminated Teflon[™] bailer and transferred to laboratory supplied, pre-preserved containers. All samples were packed on ice in a cooler and transported to Sun Laboratories, Inc. for analysis Two of the source area wells (MW-1 and MW-4) were tested using a broad range of parameters including EPA Methods 601, 602, 610, FLPRO, Lead and EDB The remaining wells were sampled for EPA Method 602 and 610 parameters, and FLPRO only Proper chain of custody was maintained Groundwater sampling collection forms with purgewater volume calculations are included in Appendix D

<u>Results</u>

Sampling results found concentrations of petroleum constituents that exceed GCTLs at monitoring wells MW-1 and MW-4 The most elevated petroleum concentrations were found in the groundwater sample collected from monitoring well MW-1, which had 900 micrograms per liter (ug/L) benzene and 1400 ug/L ethylbenzene MW-1 also had low levels of several polynuclear aromatic hydrocarbons The groundwater sample collected from MW-4 had 12 ug/L benzene and 33 ug/L ethylbenze MW 4 also had 8 ug/L chlorobenzene and 5 5 ug/L MTBE. With the exception of the low levels of petroleum range organics and semi-volatile organics detected in MW-5, petroleum constituent concentrations were all below laboratory detection limits in the remaining monitoring wells Groundwater analytical results are summarized on Table 4 The laboratory report including chain of custody is included in Appendix C.

Based on the average concentration of TRPH in MW-1, MW-4, and MW-5 (2533 ug/L), an estimated area of impact of 50 ft by 50 ft by 10 ft thickness, and a porosity of 0.4, the mass of hydrocarbons in the groundwater is estimated at less than 2 pounds.

4.3 SITE GEOLOGY

The shallow geology at the site consists of primarily fine grained sand and slightly silty sand from land surface to approximately 18 ft below land surface (bls) Sandy clay to clayey sand was encountered from approximately 18 to 20 ft bls Limestone was encountered from 20 ft to maximum boring depth of 30 ft Depth to water ranged from approximately 9 to 10 ft bls

4.4 CONTAMINANT TRANSPORT MECHANISMS

Data indicate that the primary contaminant transport mechanism is natural horizontal and vertical hydraulic gradients within the surficial aquifer The results of the study found no evidence of preferential contaminant transport pathways

4.5 AQUIFER CLASSIFICATION

The surficial aquifer in Citrus County is classified as G-II according to the Southwest Florida Water Management District (SWFWMD, 1988). G-II aquifers are defined as non-single source aquifers that have total dissolved solids (TDS) concentrations in groundwater less than 10,000 mg/L

4.6 POTABLE WELL SURVEY

A potable water well survey was conducted for a 0 25 mile radius surrounding the site to determine locations of area water wells. The well survey included a visual reconnaissance of the site vicinity and a potable well listing provided by the SWFWMD The well permit listing is included in **Appendix F.** Although the permit listing identified no public supply or other wells within 0 5 mile of the property, results of the area reconnaissance indicated that all businesses and residents in the immediate site vicinity utilize private water wells for their drinking water supplies. In addition, all the drinking water wells appear to be constructed in the Floridan Aquifer. A Potable Water Well location map is included as **Figure 10**

The nearest water well to the subject property is the one that services the plaza, which is located approximately 200 ft west of the impacted area

4.7 AQUIFER TESTING

Slug tests were performed in monitoring wells MW-5, MW-6 and MW-8 to estimate the aquifer parameters of hydraulic conductivity (K), transmissivity (T), and linear velocity (V) in the surficial aquifer. Slug tests were performed using the "slug out" method developed by Bouwer and Rice (1976) and Bouwer (1989). Field procedures utilized a bailer to lower the water table in the wells Water table rise was recorded manually using an electronic water level indicator, stop watch, and tape recorder.

Hydraulic Conductivity

The slug test data were analyzed using AQTESOLV™ (Geraghty & Miller, 1989) based on methods developed by Bouwer and Rice (1976 and 1989) This method follows the general equation

 $Q = 2\pi KL - y - ln (Re/rw)$

Where,

Q =flow rate into the well

K = hydraulic conductivity

L = screen length

y = drawdown

Re = effective radius over which y is dissipated (length)

rw = borehole diameter

Slug testing results are summarized on Table 6 Slug test data and time-drawdown curves are included in Appendix E Average hydraulic conductivity was calculated to be 2 31E-05 ft/sec (2 0 ft/day)

<u>Transmissivity</u>

Transmissivity values were calculated using the equation T = Kb (Freeze and Cherry, 1979)

Where,	$T = Transmissivity (m^2/sec)$
	K = Hydraulic Conductivity (m/sec)
	b = Aquifer Thickness (m)

Based on an estimated surficial aquifer thickness of 10 ft, average transmissivity was calculated to be 2 31E-05 ft²/sec (2 ft²/day)

<u>Linear Velocity</u> Linear velocity was calculated using the equation V = K/n(i)(Freeze and Cherry, 1979)

Where,

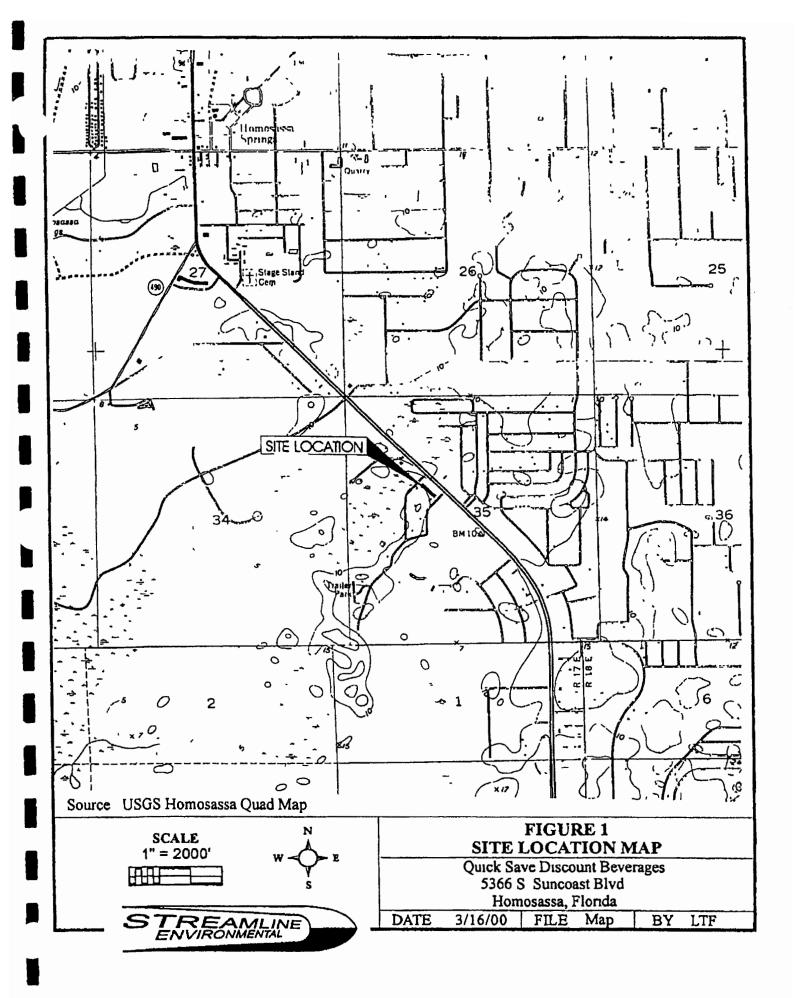
V = Linear velocity (m/sec) K = Hydraulic Conductivity (m/sec) n = Porosity (unitless) i = hydraulic gradient (unitless)

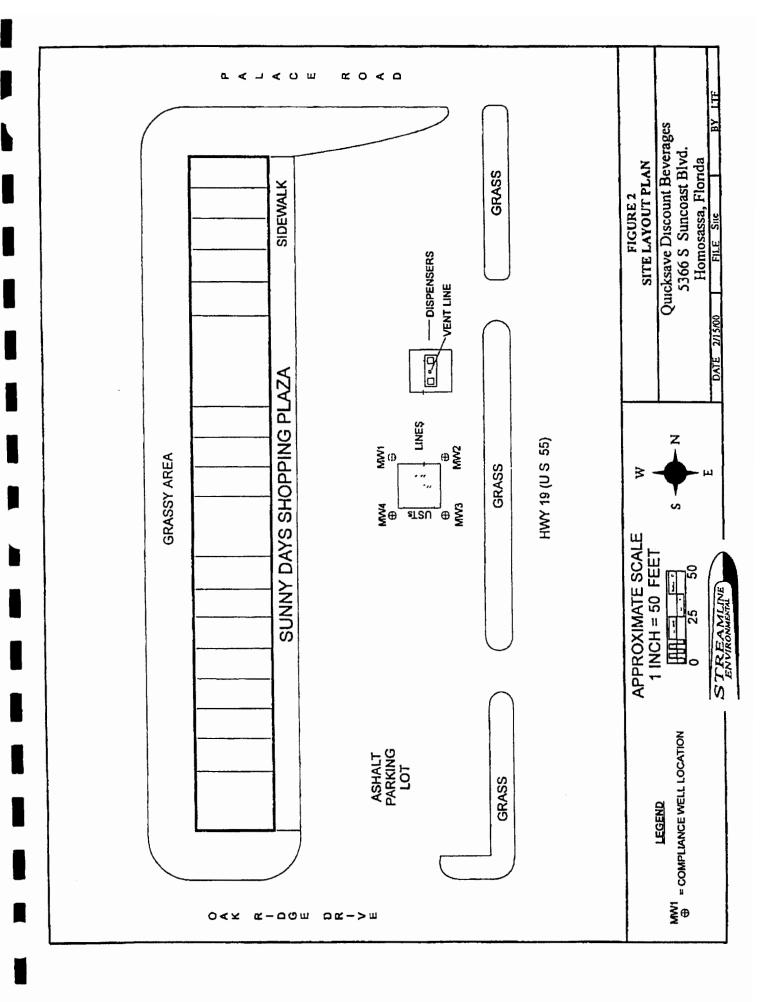
Based on an estimated porosity of 0 4 (Freeze and Cherry, 1979) and a gradient of 0 001 ft/ft, the average groundwater flow velocity is 6.4×10^{-8} ft/sec (0.005 ft/day) Please note that the actual hydraulic gradient used in the calculation is approximate only and not site specific because the water table is essentially flat.

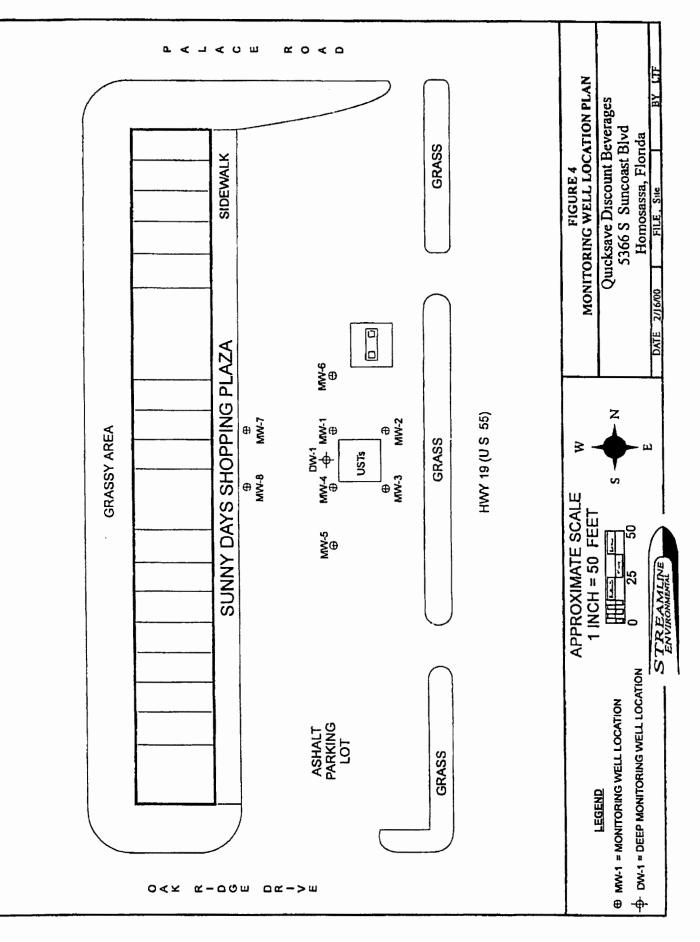
5.0 CONCLUSIONS

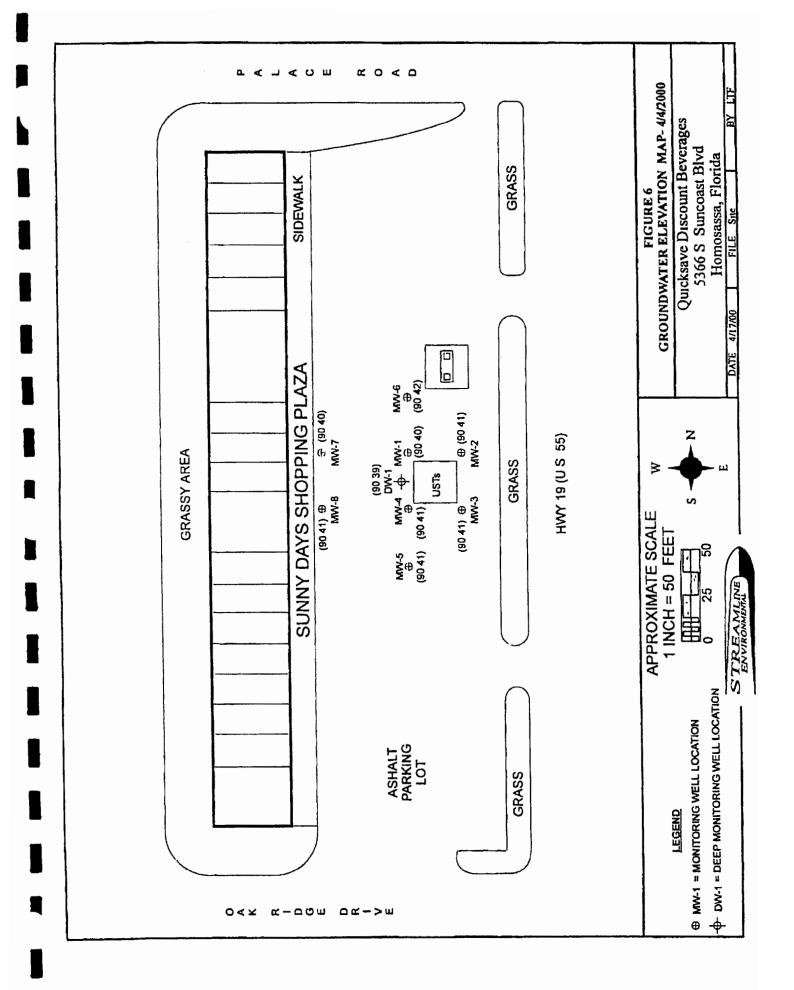
The results of the contamination assessment indicate that petroleum compounds in the groundwater of the surficial aquifer exceed GTCLs for benzene and ethylbenzene in two of the compliance wells. Although the water table is essentially flat (i e. low migration potential), potable water wells are located within 200 ft of the area of impact As such, a Remedial Action Plan should be prepared followed by remediation However, because the area of impact is limited, an Alternative Remedial Action may be warranted

FIGURES



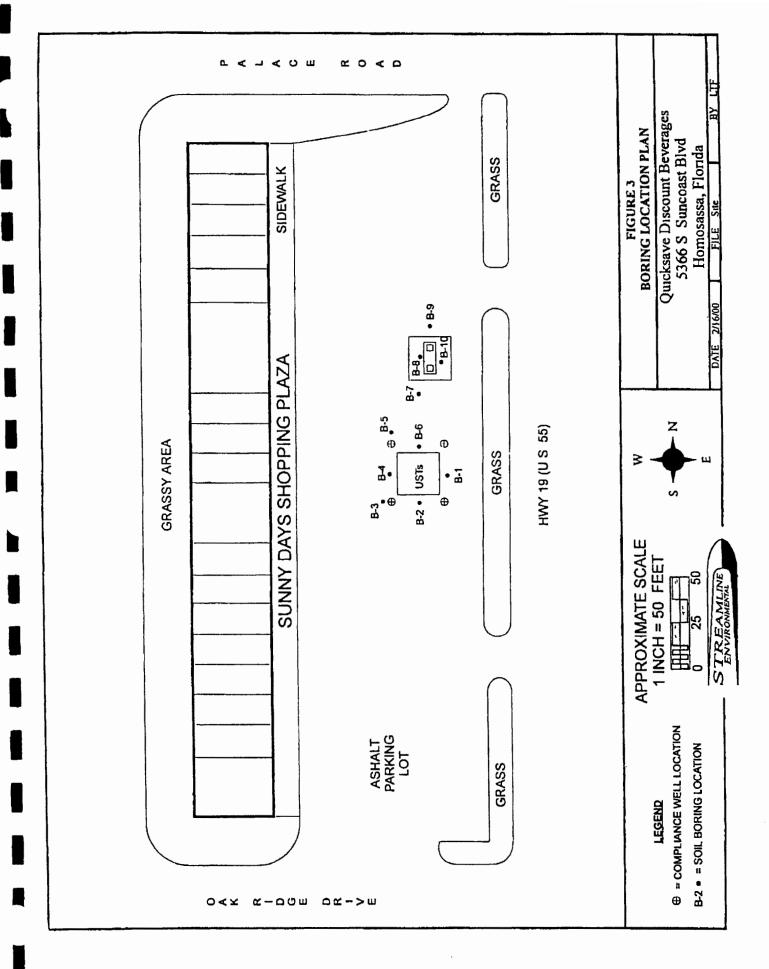


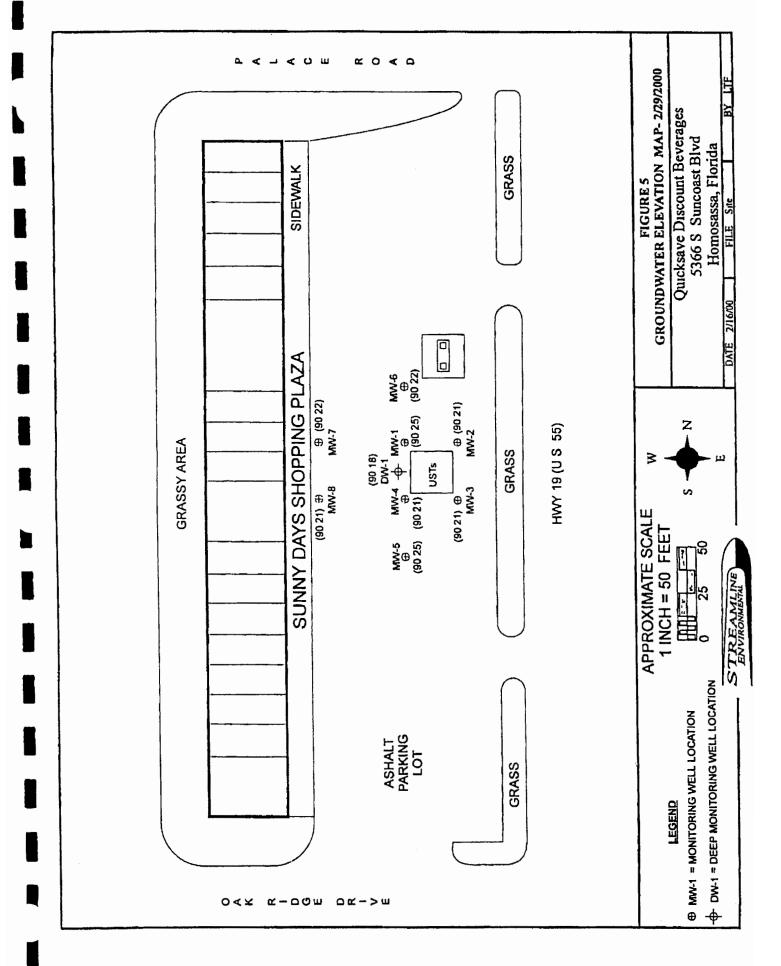


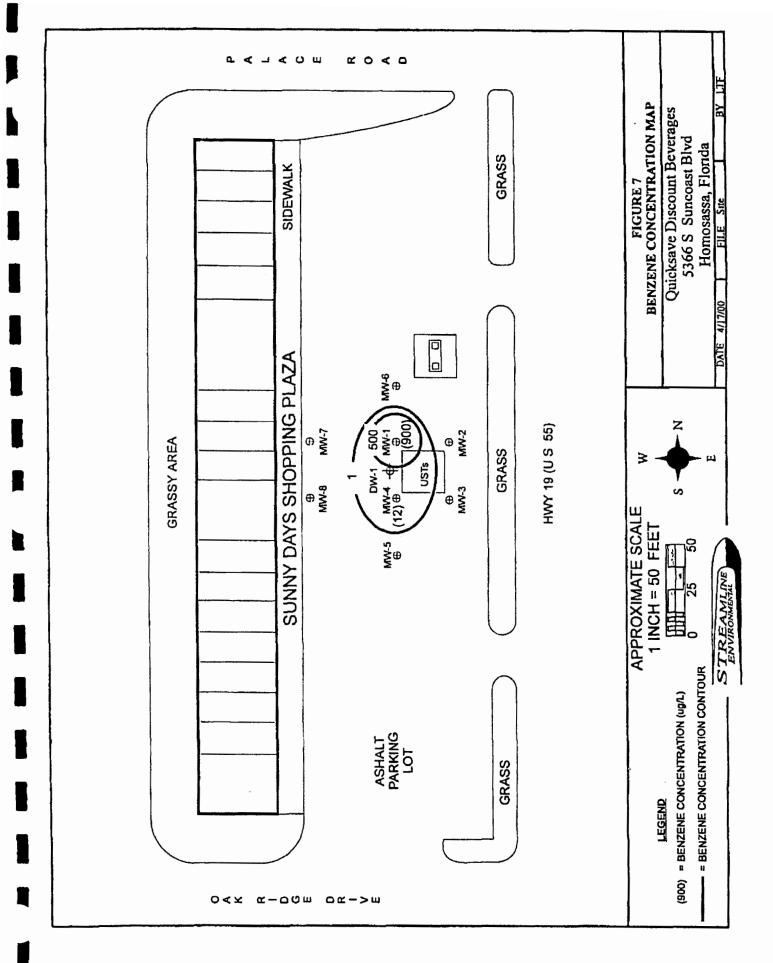


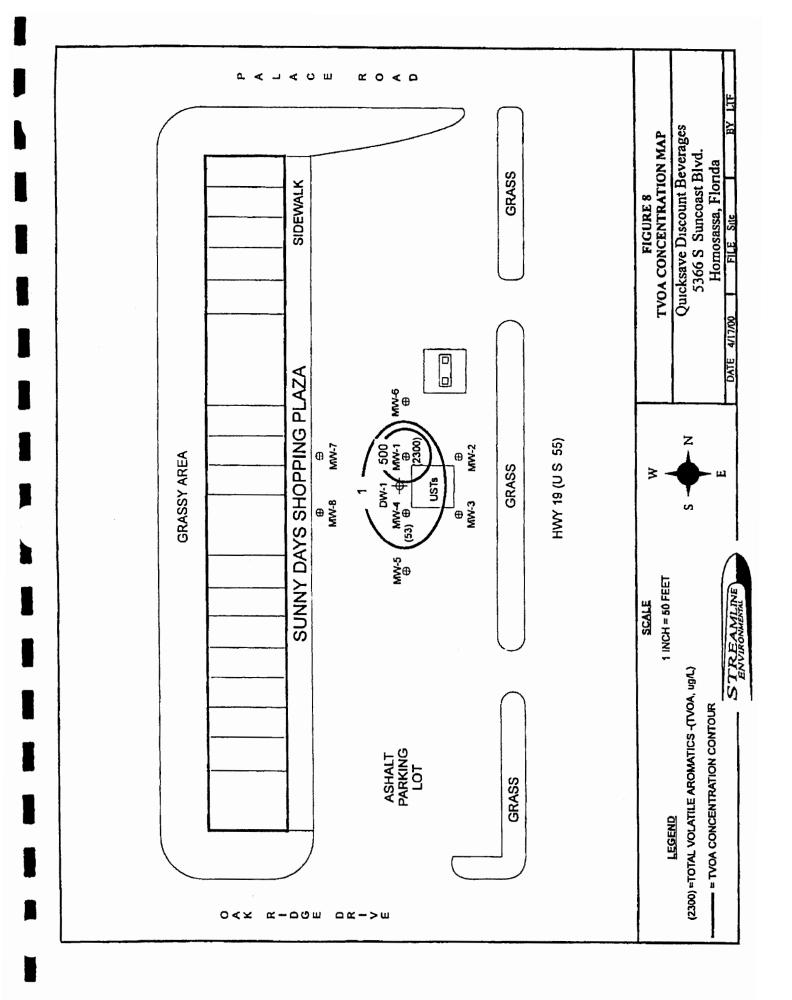
_____ · ·=·

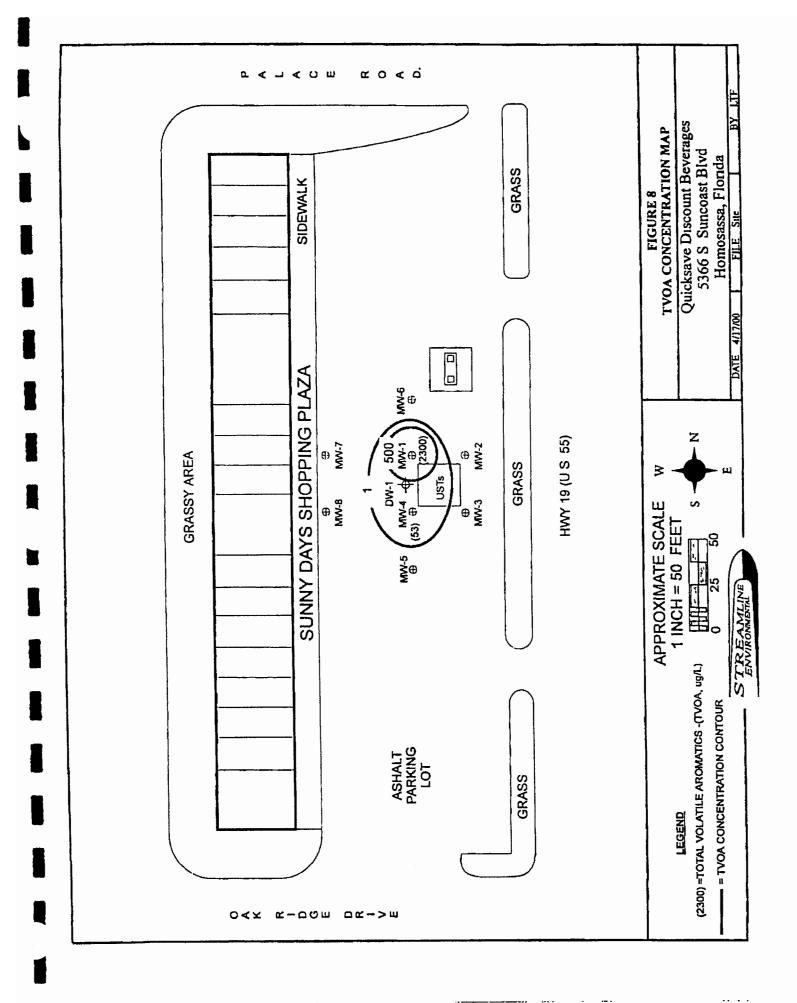
_ _ _

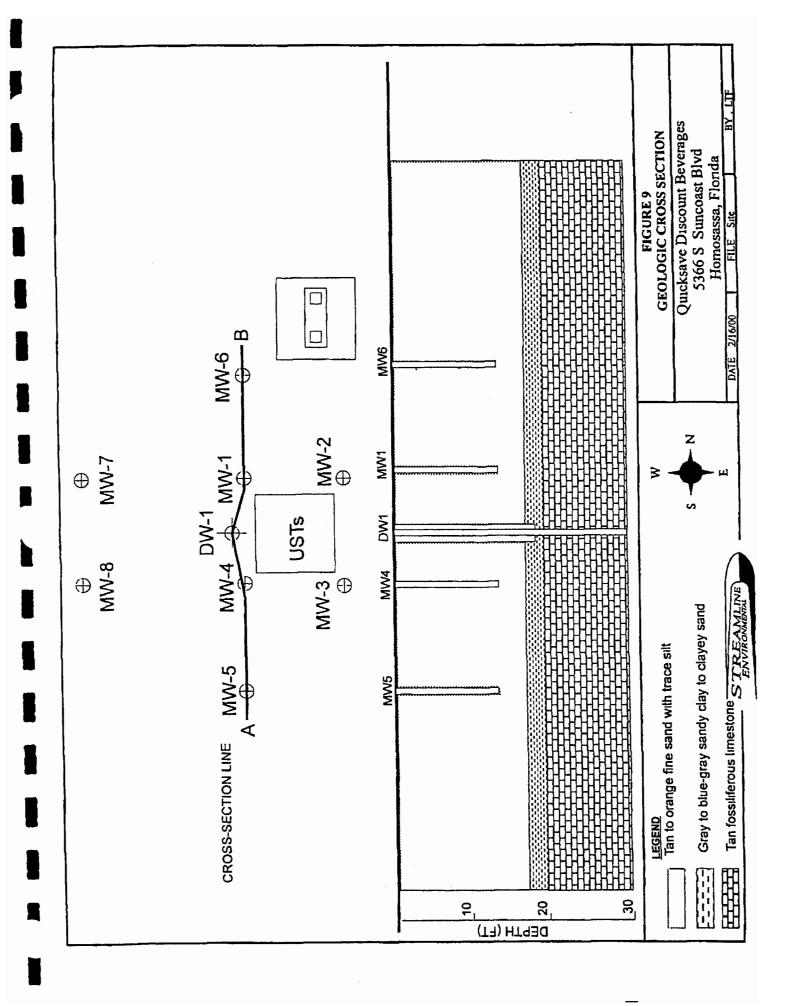


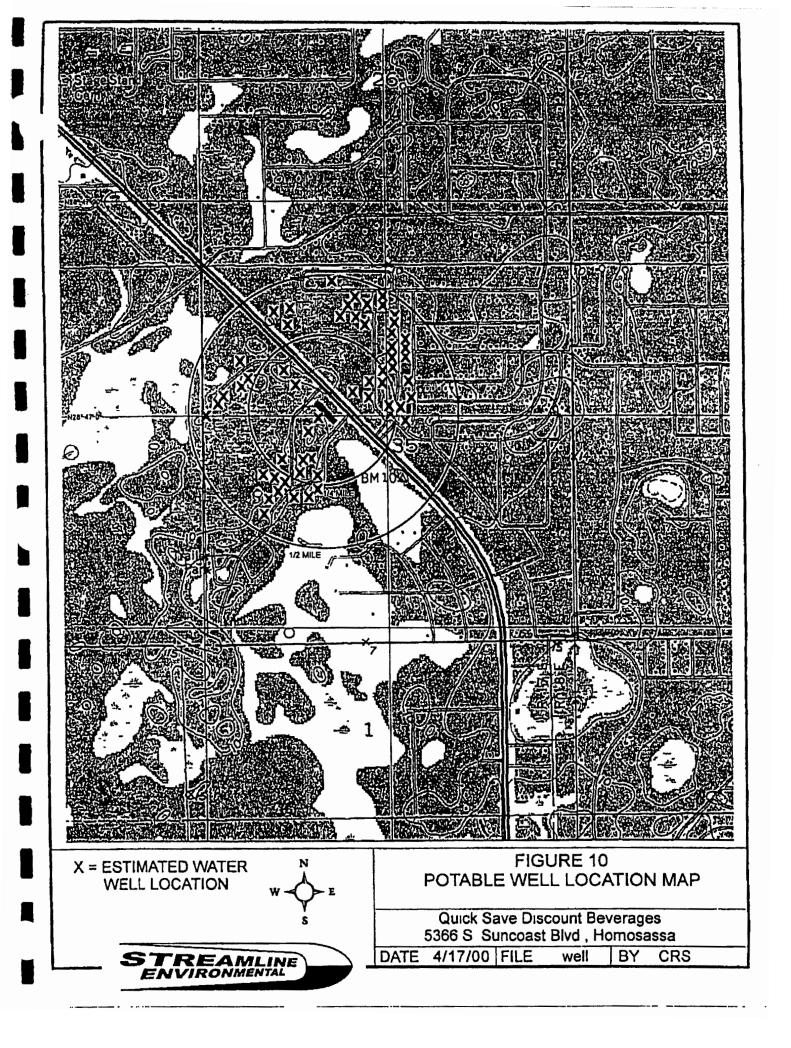












TABLES

•

.

TABLE 1 SOIL OVA ĎATA DISCOUNT BEVERAGES						
-Location-	Depih (ii)	TomioXA Resigned	ifilided OVA Ruspongo	NDLOVA RESPONS		
B-1	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
B-2	2 4 6 8*	0 0 23	0 0 0 4	0 0 0 19		
B-3	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8*	80	4	76		
B-4	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
B-5	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
B-6	2 4 6 8	0 0 0	0 0 0 0	0 0 0 0		
B-7	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
B-8	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
B-9	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
B-10	2	0	0	0		
	4	0	0	0		
	6	0	0	0		
	8	0	0	0		
NOTES		s measured in	parts per milion, reading - Filtered			

.

TABLE 2 SOIL ANALYTICAL DATA DISCOUNT BEVERAGES

ÓLATILE ORGANIC COMPOUNDS MTBE	mg/kg	3200	02	BDL
Benzene	mg/kg	1 1	0 007	BDL
Toluene	mg/kg	380	05	BDL
Ethylbenzene	mg/kg	1100	06	BDL
Total Xylenes	mg/kg	5900	02	BDL
OLYNUCLEAR AROMATIC HYDRO	CARBONS			
Acenaphthene	mg/kg	1900	21	BDL
Acenaphthylene	mg/kg	1100	27	BDL
Anthracene	mg/kg	18000	2500	BDL
Benzo(a)anthracene	mg/kg	14	32	BDL
Benzo(a)pyrene	mg/kg	01	8	BDL
Benzo(b)fluoranthene	mg/kg	14	10	BDL
Benzo(g,h,l)perylene	mg/kg	2300	32000	BDL
Benzo(k)fluoranthene	mg/kg	15	25	BDL
Chrysene	mg/kg	140	77	BDL
Dibenzo(a,h)anthracene	mg/kg	01	30	BDL
Fluoranthene	mg/kg	2900	1200	BDL
Fluorene	mg/kg	2200	160	BDL
Indeno(1,2,3-c,d)pyrene	mg/kg	15	28	BDL
Naphthalene	mg/kg	40	17	BDL
1-MethylNaphthalene	mg/kg	68	22	BDL
2-MethylNaphthalene	mg/kg	80	6 1	BDL
Phenanthrene	mg/kg	2000	250	BDL
Pyrene	mg/kg	2200	880	BDL

NOTES * = Unregulated Compound

 $^{(1)} =$ FDEP 62-770, Table IV Selected Soil Cleanup Target Levels (for direct exposure based on residential use assumptions) $^{(2)} =$ FDEP 62-770, Table IV Selected Soil Cleanup Target Levels (for ground water resource protection / recovery)

TABLE 3 GROUNDWATER ELEVATION DATA DISCOUNT BEVERAGES					
lloenllen	DEPILIO Viller (()	viter Telle Eleveller (II)			
MW-1	100 00	9 75	90 25	9 60	90 40
MW-2	99 83	9 62	90 21	9 42	90 41
MW-3	99 40	9 1 9	90 21	8 99	90 41
MW-4	99 60	9 39	90 21	9 19	90 41
MW-5	99 59	9 34	90 25	9 18	90 4 1
MW-6	100 17	9 95	90 22	975	90 42
MW-7	100 39	10 35	90 22	9 99	90 40
MW-8	100 39	10 18	90 21	9 98	90 41
MW-1D	99 99	9 81	90 18	9 60	90 39
NOTE					

د

	TABLE 5 MONITORING WELL CONSTRUCTION DETAILS DISCOUNT BEVERAGES								
KX DD	Xall Eavato Rotal Secton Slot Sze Sand Langua (U) (U) Rees Scall								
MW1	100 00	14 00	unknown	0 01	20/30	30/65 Sand			
MW2	9 9 83	14 00	unknown	0 01	20/30	30/65 Sand			
MW3	99 40	14 00	unknown	0 01	20/30	30/65 Sand			
MW4	99 60	14 13	unknown	0 01	20/30	30/65 Sand			
MW5	99 59	14 00	10	0 01	20/30	30/65 Sand			
MW6	100 17	14 00	10	0 01	20/30	30/65 Sand			
MW7	100 57	14 00	10	0 0 1	20/30	30/65 Sand			
MW8	100 39	14 00	10	0 01	20/30	30/65 Sand			
MW-1D	99 99	30 00	5	0 01	20/30	30/65 Sand			
NOTES									

TABLE 6 AQUIFER TESTING RESULTS DISCOUNT BEVERAGES					
Hydraulic Lin					
	Conductivity	Transmissivity ;	 Velocity 		
Location	(ft/sec).	(ft 2/sec)	(ft/sec)		
MW5	8 78E-06	8 78E-05	2 93E-09		
MW6	3 75E-05	3 75E-04	1 25E-07		
MW8	6 08E-05	6 08E-04	2 03E-07		
Average	2 31E-05	2 31E-04	6.40E-08		

•

Memorandum

Florida Department of Environmental Protection

то:	Leslie Pedigo Southwest District Office
FROM:	Tom Conrardy, PE TC Professional Engineer Administrator Bureau of Petroleum Storage Systems
DATE:	July 16, 2001
SUBJECT:	Quick Save Discount Beverages 5366 South Suncoast Boulevard Homosassa, Citrus County, Florida, FDEP Facility No. 098503115 Limited Remedial Action Plan

I have reviewed the RAP Addendum dated May 21, 2001 which responded to my comments on the Limited Scope RAP referenced above. The response to comments is acceptable and I recommend approval of the Limited Scope RAP. Attached is my professional engineer certification for you to attach to the RAP Approval Order. Please contact me if you have any questions at (850) 488-3935 or e-mail me.

Attachment

P.E. CERTIFICATION

Remedial Action Plan for Quick Save Discount Beverages, located at 5366 South Suncoast Boulevard, FDEP Facility ID# 098503115.

I hereby certify that in my professional judgment, the components of this Remedial Action Plan satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the engineering design features incorporated in this plan provide reasonable assurances of achieving the objectives stated in Chapter 62-770, F.A.C., for active remediation. However, I have not evaluated and do not certify aspects of this plan that are outside my area of expertise (including, but not limited to, electrical, mechanical, and structural features).

<u>X</u> I personally completed this review.

____ This review was conducted by _____ working under my direct supervision.

Thomas W. Conrardy, P.E. Professional Engineer Administrator Petroleum Cleanup Section Three

7/16/

Date

EXECUTIVE SUMMARY

Tank History

Four, 4,000 gallon capacity USTs, each containing unleaded gasoline, were installed on the property in 1977 The steel tanks have since been upgraded and have internal lining, cathodic protection, and spill containment The steel, suction piping system is cathodically protected.

Discovery of Contamination

Petroleum contamination was first detected at the facility during Phase II Environmental Site Assessment activities in conducted in December, 1999 As part of the phase II investigation, groundwater samples were collected from the four compliance wells surrounding the tank pit area Laboratory analysis of the samples found concentrations of petroleum constituents (benzene, ethylbenzene, toluene and total xylenes) that exceed Groundwater Cleanup Target Levels (GCTLs) A Discharge Reporting Form (DRF) was submitted to the FDEP in response to the discovery of contamination In addition, pressure testing of the petroleum system was conducted, which identified no leaks As such the source of contamination was probably a small spill. In addition, because the study found little MTBE, the spill was probably old

Soils Investigation

Ten soil borings were performed to delineate the extent of petroleum impacts in the vadose zone Soil gas survey results found no excessively contaminated soils (OVA reading > 500 ppm) One sample was collected for laboratory analysis from the area of highest OVA readings No evidence of adverse petroleum impacts was detected in the soil sample analyzed

Groundwater Flow Direction

Two rounds of water table elevation data were collected during the study Depth to water ranged from 9 to 10 ft below land surface The surface of the water table is too flat to contour Regionally, groundwater flows west to the Gulf of Mexico No significant vertical hydraulic gradient was found

Groundwater Investigation

••

Prior to the site assessment, four shallow monitoring wells were located in the area of the tank pit Streamline installed four additional permanent shallow wells (14 ft total depth) and one double-cased deep well (30 ft total depth) Two of the source area wells (MW-1 and MW-4) were tested for the entire kerosene analytical group The remaining wells were sampled for EPA Method 602 and 610 parameters, and FLPRO only.

Groundwater sampling results found concentrations of volatile organic compounds (Benzene and Ethylbenzene) that exceed Groundwater Cleanup Target Levels in 2 wells Contaminants were not detected in the deep well installed into the Upper Floridan Aquifer The contaminated area is approximately 50 ft by 50 ft by 10 ft thick

.

Hydrogeology

The shallow geology at the site consists of primarily fine grained sand and slightly silty sand from land surface to approximately 18 ft below land surface (bls) Sandy clay to clayey sand was found between 18 and 20 ft bls. Fossiliferous limestone was found from 20 ft bls to maximum boring depth of 30 ft

Water Well Survey

Area residents and businesses, including the subject property, rely on groundwater for their drinking water. Although the Southwest Florida Water Management District had little information on wells in the immediate site vicinity, an area reconnaissance identified water wells at nearly all residences in the vicinity The nearest water well to the source area is located approximately 200 ft to the west.

Conclusions and Recommendations

The results of the Site Assessment indicate that groundwater in the surficial aquifer has been impacted by petroleum hydrocarbons, and that the level of impact exceeds the groundwater cleanup target levels However, the magnitude and extent of impacts appears to be limited and rate of migration appears to be very slow As such, a Remedial Action Plan should be prepared to determine the most practical and cost-effective remediation strategy for the site Because the size of the contaminated area is relatively small, an Alternative Remedial Action (such as short term air sparging and soil vapor extraction) may be effective at reducing contaminant levels to within Natural Attenuation levels



Memorandum

Florida Department of Environmental Protection

TO:	Leslie Pedigo Southwest District Office
FROM:	Tom Conrardy, PE Professional Engineer Administrator Bureau of Petroleum Storage Systems
DATE:	July 16, 2001
SUBJECT:	Quick Save Discount Beverages 5366 South Suncoast Boulevard Homosassa, Citrus County, Florida, FDEP Facility No. 098503115 Limited Remedial Action Plan

I have reviewed the RAP Addendum dated May 21, 2001 which responded to my comments on the Limited Scope RAP referenced above. The response to comments is acceptable and I recommend approval of the Limited Scope RAP. Attached is my professional engineer certification for you to attach to the RAP Approval Order. Please contact me if you have any questions at (850) 488-3935 or e-mail me.

Attachment

P.E. CERTIFICATION

Remedial Action Plan for Quick Save Discount Beverages, located at 5366 South Suncoast Boulevard, FDEP Facility ID# 098503115.

I hereby certify that in my professional judgment, the components of this Remedial Action Plan satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the engineering design features incorporated in this plan provide reasonable assurances of achieving the objectives stated in Chapter 62-770, F.A.C., for active remediation. However, I have not evaluated and do not certify aspects of this plan that are outside my area of expertise (including, but not limited to, electrical, mechanical, and structural features).

 \underline{X} I personally completed this review.

____ This review was conducted by _____ working under my direct supervision.

Thomas W. Conrardy, P.E. Professional Engineer Administrator Petroleum Cleanup Section Three

7/16/

Date



QUARTER TWO **GROUNDWATER MONITORING REPORT OUICK SAVE DISCOUNT BEVERAGE** 5366 S. SUNCOAST BOULEVARD HOMOSASSA, FLORIDA 34446

FDEP ID NO. 98503115

Prepared For:

QUICK SAVE DISCOUNT BEVERAGES 5366 S. SUNCOAST BOULEVARD **HOMOSASSA, FLORIDA 34446**

2 HAR -4 Ail 10: 25 . Tiek

PETROLEULA CLEANUP SECTION 3

02 MAR -4 PH 12:01

Prepared By:

STREAMLINE ENVIRONMENTAL **519 NORTH HOWARD AVENUE** TAMPA, FLORIDA 33606

FEBRUARY 2002



STREAMLINE PROJECT NO. 000206

PROFESSIONAL CERTIFICATION

This Quarterly Groundwater Monitoring Report for Quick Save Discount Beverages has been prepared by a Professional Geologist registered in the State of Florida.

brielle M: Enos, P.G. #605 Geologist じた 2/18/0Z Date:

TABLE OF CONTENTS

No. of Street, Street,

1.0	INTRODUCTION	1
2.0	GROUNDWATER MONITORING	1
	Groundwater Flow Direction	
2.2	Groundwater Quality	2
	CONCLUSIONS	
		-

LIST OF FIGURES

1	SITE LOCATION MAP
2	SITE LAYOUT PLAN
3	GROUNDWATER ELEVATION MAP 1/9/02
4	BTEX CONCENTRATIONS IN GROUNDWATER
5	PAH CONCENTRATIONS IN GROUNDWATER

(U))

LIST OF TABLES

1	GROUNDWATER ELEVATION DATA
2	GROUNDWATER ANALYTICAL DATA
3	VARIANCE MONITORING DATA

LIST OF APPENDICES

A.	LABORATORY ANALYTICAL REPORT – 1/9/02
B.	GROUNDWATER SAMPLING DATA SHEETS

1.0 INTRODUCTION

The subject property is located in Citrus County at the physical address of 5366 South Suncoast Blvd. in Homosassa, Florida. Geographically, the site is located in Section 35, Township 19 South, Range 18 East. A Topographic Site Location Map is included as Figure 1.

The subject property is a gas and convenience store centrally located in the Sunny Days Shopping Plaza. The property has approximate dimensions of 190 ft by 500 ft. The Sunny Days Plaza building is rectangular-shaped with approximate dimensions of 420 ft by 40 ft. An asphalt parking lot borders the east side of the plaza building. The USTs and fuel dispensers are located in the parking lot approximately 50 ft east of the plaza building. A Site Layout Plan is included as **Figure 2**.

A Site Assessment Report (SAR) for Quick Save Discount Beverages (facility ID No. 98503115) was completed by Streamline Environmental, Inc. in April, 2000. The Florida Department of Environmental Protection (FDEP) approved the SAR and the recommendation for a Remedial Action Plan (RAP) of limited scope in a letter dated September 12, 2000. The RAP, recommending enhancement of oxygen in the aquifer through injection of Oxygen Releasing Compound[®] (ORC[®]), was approved by the FDEP in correspondence dated July 19, 2001. The RAP Implementation was detailed in the first quarterly report dated November 21, 2001. This report details the results of the second quarterly sampling event following injection of the ORC[®].

2.0 GROUNDWATER MONITORING

The second quarterly sampling event was conducted on January 9, 2002. All sampling was conducted in accordance with Streamline's FDEP approved Comprehensive Quality Assurance Plan (CompQAP #930289).

2.1 Groundwater Flow Direction

64

Water level measurements were obtained from onsite wells on January 9, 2002. Elevation data previously collected at the site indicated an extremely flat water table. Data from the second sampling event confirms that the water table is flat, with only a 0.23 ft change in head measured in the shallow wells. Elevation data measured at well MW-1D is slightly lower than that measured in the majority of the shallow wells, indicating a slight downward vertical gradient. Groundwater elevations are shown on Figure 3, and summarized on Table 1.

2.2 Groundwater Quality

Groundwater quality was evaluated through the collection and analysis of samples from wells MW-1, MW-2, MW-4, MW-6 and MW-7 for BTEX by EPA 8021 and polynuclear aromatic hydrocarbons (PAHs) using EPA 8310. Additionall, samples from wells MW-2, MW-5, MW-6 and MW-7 were analyzed for TDS and pH. All samples were submitted to *SunLabs, Inc.* for analysis.

Current groundwater analytical data, summarized on **Table 2**, indicate that groundwater in excess of Groundwater Cleanup Target Levels (GCTLs) is present at well MW-1. Parameters of concern were not detected in any of the remaining wells at concentrations above the laboratory method detection limits (MDL's). Benzene was detected in well MW-1 at a concentration of 270 micrograms per liter (μ g/L), and ethylbenzene was detected at a concentration of 590 μ g/L. Toluene, total xylenes and MTBE were also detected at in the samples collected from well MW-1, although the concentrations did not exceed the applicable GCTL's. Toluene was detected at a concentration of 3.0 μ g/L, while total xylenes were detected at 8.5 μ g/L. The MTBE concentration was 12 μ g/L.

PAH's detected at well MW-1 include acenaphthene (46 μ g/L), acenaphthylene (42 μ g/L), naphthalene (110 μ g/L) and 1-methylnaphthalene (72 μ g/L). BTEX and PAH concentrations are shown on Figures 4 and 5, respectively.

TDS concentrations indicate that the injection of ORC [®] has increased dissolved solids in the shallow aquifer. However, concentrations remain below the secondary drinking water standard of 500 mg/L established in Chapter 62-550 Florida Administrative Code (FAC). TDS concentrations have not decreased appreciably in any of the wells sampled. This result is probably due to the lack of groundwater flow in the injection zone across the site. The pH levels in wells MW-5, MW-6 and MW-7 remain outside the drinking water standard range of 6.5 - 8.5 pH units. However, the pH level at MW-5 has remained significantly higher than the baseline number established prior to the ORC[®] injection. Groundwater variance parameters are summarized on **Table 3**. The complete laboratory analytical report is contained in **Appendix A**. Groundwater sampling data sheets for the second quarterly event are contained in **Appendix B**.

3.0 CONCLUSIONS

57.77 1.16

1

The data obtained during the second quarterly sampling event indicate that while the ORC^{\oplus} injection initially aided in enhancing the natural attenuation of BTEX and PAH compounds, concentrations at well MW-1 have risen during the last quarter. Contaminant concentrations at well MW-4 have decreased below laboratory MDL's, and concentrations at the other wells have remained below MDL's. Additional monitoring will help in identifying if the ORC^{\oplus} injection was sufficient to reduce contaminant concentrations, or if additional enhancement of subsurface oxygen levels may be necessary.

Groundwater monitoring will continue at the Discount Beverage site in accordance with the approved RAP.

TABLES

國

.

ł

TABLE 1. GROUNDWATER ELEVATION DATA QUICKSAVE DISCOUNT BEVERAGES

Location	Elevation (ft)	Depth(lo) Water (tt)	/2001 EX Water, In Table, Elevation, (f)	Depth to Water (ft)	Water Table Elevation
MW-1	99.89	8.28	91.61	8.98	90.91
MW-2	99.99	8.38	91.61	9.12	90.87
MW-3	99.49	7.87	91.62	8.61	90.88
MW-4	99.64	8.02	91.62	8.76	90.88
MW-5	99.59	7.95	91.64	8.67	90.92
MW-6	100.17	8.55	91.62	9.31	90.86
MW-7	100.39	8.97	91.42	9.70	90.69
MW-8	100.39	8.78	91.61	9.51	90.88
MW-1D	99.99	8.43	91.56	9.17	90.82

۰.

NOTE:

្ឋេ

 \square

* Top of casing (TOC) elevations surveyed to assumed vertical datum

TABLE 2. GROUNDWATER ANALYTICAL DATA	
TABLE 2.	

	S
	ШŶ.
•	~
•	o
	-
	F BEVERAGES
	E
	$\overline{\mathbf{\omega}}$
	~
	~
	ũ.
	=
	æ
•	
	z
	~
	~
	0
	~
	U
	S
	0
	-
	111
	~
	~
	<
	~
	×
	~
	2
	OUICKSAVE DISCOUL
	9
	a
	-

	PARAMETER A		ocru-	MW1	1. MW1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	11.00/62/21	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Transi I	2/2000	NWA	179/02 4	272900 61.1	MW6C OTIENT	Linkoz, 1	2729/00 215	MW7	11/9/02
VOLATE	VOLATILE ORGANIC COMPOUNDS (EPA METHOD 8021)	(EPA METHO	D 8021)															
	MTBE	чgЧ	3	<5.0	\$	12	<5.0	€5.0	<5.0	5.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Benzene	ng/L	. –	006	110	270	€.0>	<0.9	<0.9	12	€.0>	<0.9	€.0×	<0.9	<0.9	€.0>	€.0>	<0.9
	Tolvene	γőη	40	<1.2	<12	3.0	/ <1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1,2	<1.2	<12	<12 .
	Ethytbenzene	ng/L	8	1400	180	590	€0.9	<0.9	€.0>	R	=	<0.9	€.0>	<0.9	€.0>	€0.9	6'0>	€.0>
	Total Xylenes	ng/L	8	<2.2	<22	8.5	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	~ 2.2	<2.2	<2.2
	Total VOA	ηĝη	:	2300	290	871.5	€.0>	€'0>	€.0>	45	÷	€0.9	<0.9	€.0>	<0.9	e.0>	€.0>	<0.9
POLYNL	POLYNUCLEAR AROMATIC HYDROCARBONS (EPA METHOD 8310)	CARBONS (E	PA METHOD	(010)														
	Acenaphthene	Jon	20	34	13	46	<1.0 0	<1.0 2	<1.0	€1.0	1.1	<1.0	<1.0	<1.0	<1.0 1.0	<1.0	<1.0	€1.0
	Acenaphitylene	Ъ,	210	46	5.1	42	<1.0	<1.0	<1.0	<1.0	¢1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	¢1.0
	Anthracene	Jon	2100	<1.0 1	<1.0	<1.0 <	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	¢1.0	<1.0	<1.0	<1.0	<1.0
	Benzo(a)anthracene	Jon	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
	Benzo(a)pyrene	ugh.	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0,2
	Benzo(b)fluoranthene	ng/L	0.2	¢1.0	<1.0 <	<1.0	<1.D	<1.0 <	<1.0	≤1.0	<1.0	<1.0	<1.0	<1.0	<1.0 1.0	<1.0	<1.0 ·	<1.0
	Benzo(g.h.i)perylene	ng/L	210	0.15	<1.0	<1.0	<1.D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Benzo(k)(luoranthene	Jon	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Chrysene	ug/L	4.8	<1.0	<1.0	<1.0 <	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Dibenzo(a,h)anthracene	ηĝη	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	€0.2
	Fluoranthene	Jon	280	<1.0	<1.D	<1.0 4	<1.0	<1.0	<1.0	<1.0	c1. 0	<1.0	<1.0	<1.0	<1.0 1.0	<1.0	<1.0	<1.0
	Fluorene	ng/L	280	<1.0	¢1.0	≤1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 0.1	<1.0	<1.0	<1.0	<1.0	<1.0
	Indeno(1,2,3-c,d)pyrene	ng/L	0.2	<02	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<02	<0.2	<0.2	×0.2	¢.6
	Naphthalene	ηĝη	20	<1.0	8	110	<1.0	<1.0	<1.0	<1.0 0.1>	1.9	<1.0	<1.0	<1.0	¢1.0	<1.0 1.0	<1.0	<1.0
	1-Methyinaphihalene	ηĝη	ଷ	16	19	72	41.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 L	<1.0	¢1.0	<1.0
	2-Methyinaphthalene	γôη	20	<1.0 0.1>	1	<1.0	×1.0	<1.0	<1.0	o.1 >	<1.0	<1.0	<1.0	<1.0	¢1.0	<1.0	<1.0	<1.0
	Phenanthrene	ngl	210	<1.0	<1.0	€1.D	<1.0	<1.0	<1.0	<1.0	61.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Pyrena	-V6n	210	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 1.0	<1.0	<1.0	<1.0
NOTES:	¹ GCTL = Groundwater Cleanup Target Levels, FAC 62-777	tup Target Level	5, FAC 62-777					-										

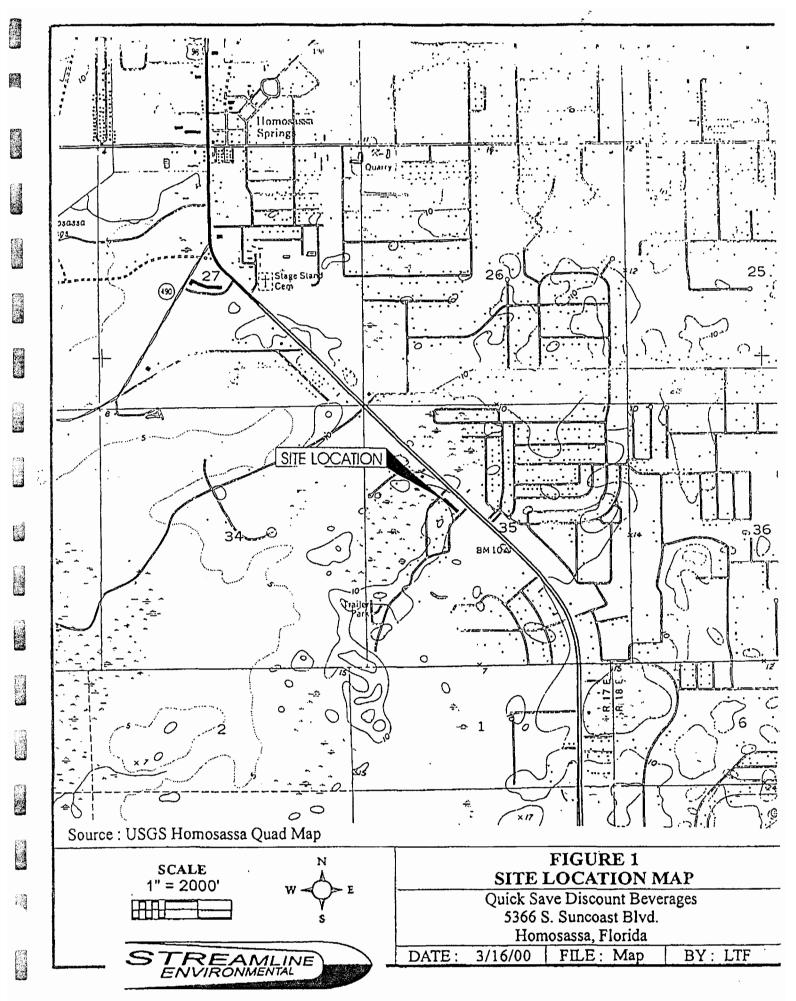
	ANVID S	120	9.32
,	A BWW	110	4.27
	azorsti i	130	4.9
	10/16/01/2	130	1.1
	ALL ALL	81	4.31
		93	5.0
	ALANNO LI	86	4,7
	- Lotte	8	4.29
	ALCONTRACTOR	8	5.0
	10/16/01	77	5.2
	1 STATES	19	1.98
	L SY WW45	49	6.93
	CUMPAN AN COM	220	6.47
	A DESTRUCTION	250	Y'
	TALINYZ TALINYZ	250	1.7
	A BUTTON	180	6.83
IONITORING	ARDV SCHWYN.	330	6.39
VARIANCE W	STANDARDY STAN	8005	eld. units 6.5-8.5
TABLE 3. GROUNDWATER VARIANCE MONITORING QUICKSAVE DISCOUNT BEVERAGES	R FURUNTS	ացև	sld, units
TABLE 3. G	IL PARAMETE	TDS	Hd

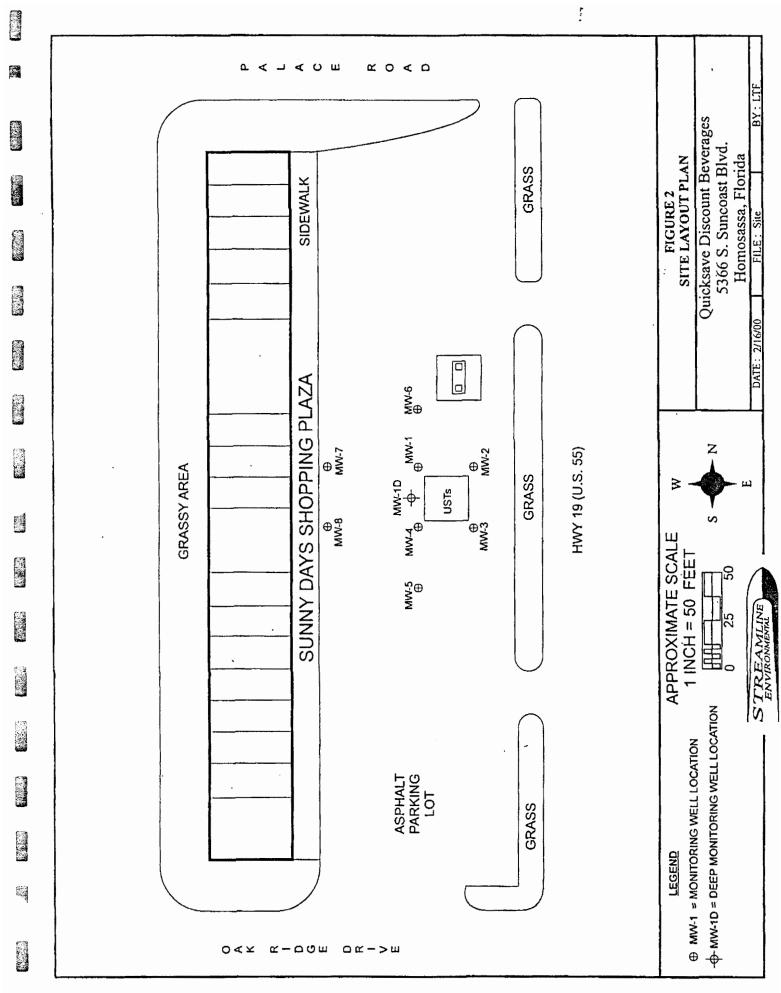
.

NOTES: * STANDARD = Secondary Driviting Water Standard established in 62-550 FAC

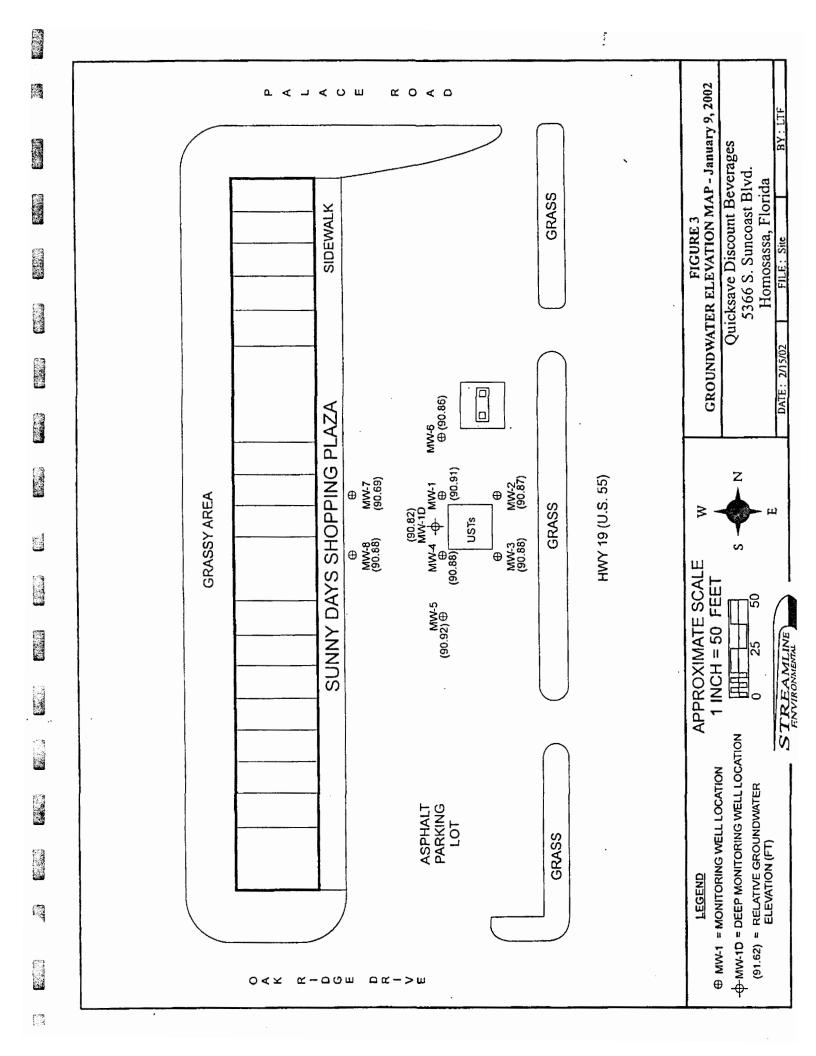
2

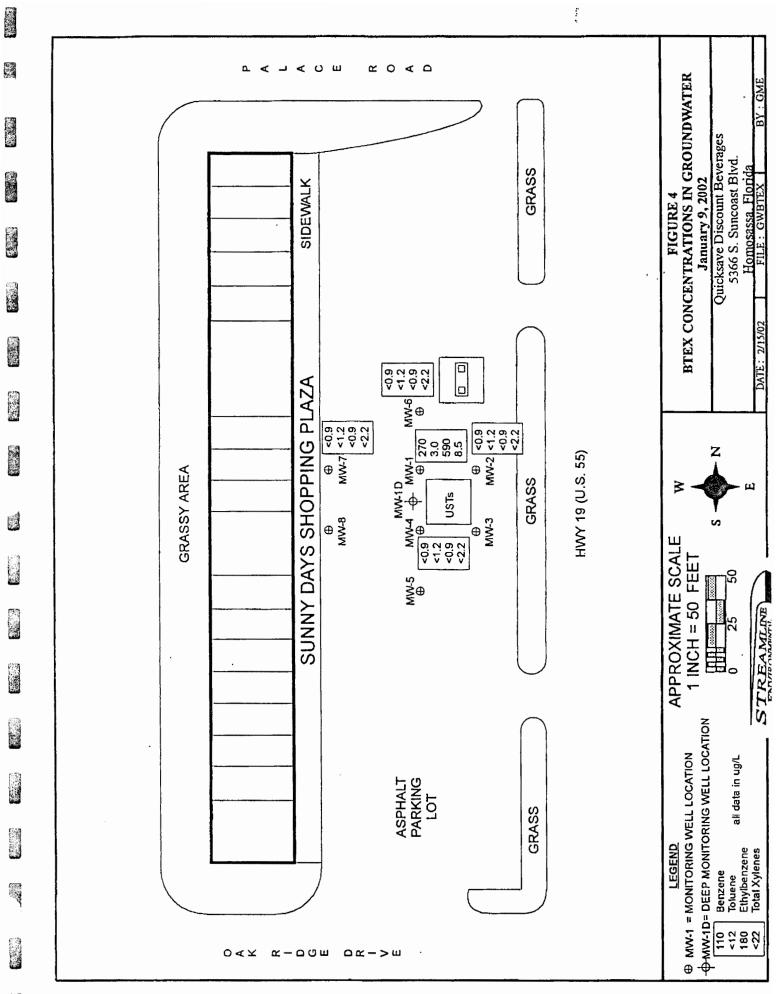
FIGURES

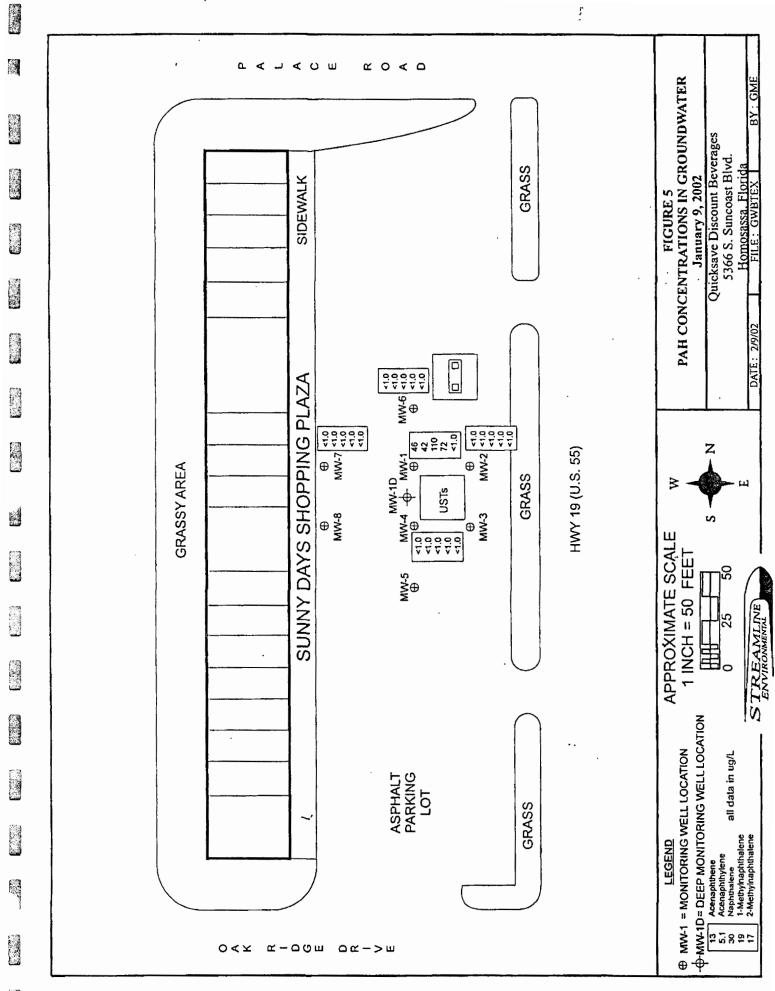




 \square







Site No. 17 Sprint - Florida 4465 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 099046287

FLORIDA FLORIDA FLORIDA FLORIDA FLORIDA FLORIDA FI Ja Department of Environmental 1 'ection Twin Towers Office Bidg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400 Division of Waste Management Bureau of Petroleum Storage Systems Storage Tank Facility Compliance Inspection Report		,
Storage Tank Facility Compliance Inspection Report		
Facility ID 9046287 County 09 CITIEUS Inspection Date	11/3/00	
Facility Name SPRINT FLORIDA (HOMOSASSA) Facility Type	- USER	
Latitude 28°47'49" Longitude 82°34'28" L/L Method 4	-GPS	
D_{1} 1 T 1 (C = D t = 1 + t = 1 (4) + (3) (-2) (4 + CDC) (4 + 1) + (4 + CDC) (7 + 1 + 1))	# ATSs Inspected	
Compliance Inspection (Annual) TCI X Installation Inspection	TIN	
Compliance Inspection (DRF received) TCDI Closure Inspection	TXI ·	
Compliance Inspection (Complaint received) TCPI Compliance Re-Inspection	TCR	
Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge	e Project	
. "Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of electronic data recording of inspection results.		
Rule-Cite Description / Inspector's Comments	Code	e
Comments Release Detection (SG Continuous Mo.	attind	
of the tank intersticeby a premercited	Senta/	
and the tark and its piping are Visual	y clecke	d
monthly. The sensel is checked ma)
Spint staff, and annually by HISATE	=ihnit=1	
Services, An RDRR and placerd are	en dis	da
st the facility.		and the second s
there were no sight of lesks an	the tan	in
there were no sighs of leaks on exterior of the piping.		<i>L</i>
Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism, if appropris	ite.	
Insurance Carrier: Effective Date: Expiration Date	e:	. .
\times Other Coverage meeting federal financial responsibility requirements. Mechanism: Self (leffe	r)	-
None	-	
Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the Florida Administrative Code 62-761 Yes O No O CWOE - Compliance with A re-inspection will be scheduled on or after days to verify correction of the non-compliance items noted.	requirements of out Enforcement	
CITRUS ENVIRONMENTAL HEALTH 352-527-5295 Storage Tank Program Office C. MARK SUMMER CALLY Stephens		
Inspector Name - Please Print Facility Representative Name - Please Print		
Thack Sa 11/3/00 Coppleokens 11-3	3-00	
Inspector Signature & Date Facility Representative Signature & Date		

Page _____ of _____

This data is current as of: 03-NOV-2000

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

×

ID#: 9046287 Name: SPRINT FLORIDA 4465 S Suncoast Blvd Homosassa, FL 32646-7500 Contact: Lewis Petteway Phone: 352-368-8760 District: SWD County: Citrus Type: Fuel User/Non-Retail Status: Open Latitude: 28:47:49.0000 Longitude: 82:34:28.0000 LL Method: AGPS

Account Owner Information

Name: Sprint Florida Po Box 165000 M/S Flapka0206 Attn: Jennifer Scarpino Altamonte Springs, FL 32716-5000 Phone: 407-889-1531

Tank Owner Information

Name: Sprint Florida

Po Box 165000 M/S Flapka0206 Attn: Jennifer Scarpino Altamonte Springs, FL 32716-5000 Phone: 407-889-1531

Tank # Size

Content

Installed Placement Status Const Pipe Monitor

U

2 2000 Diesel-Emergen Gen 09/01/1998 ABOVE

F۲ A٧ Ô٢

1 2500 Diesel-Emergen Gen 03/01/1990 UNDER A

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found!

Site No. 18 Texaco #242031372 (aka Sunrise Food Mart #10) 4450 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098736154 EPA I.D. No. FLD984190561

China.	FLORIDA		tice Bldg. © 26 Divis	00 Blair sion of V	f Environmento Stone Road • Tallahas Waste Management Dleum Storage Syste	see, Florida 32399-2400)	<u>(</u> §)
		Storage	e Tank Fac	ility C	Compliance Insp	ection Report		
	Facility ID 🗧 🕇 🕇	36154	County	29	CITRUS	Inspection D	ate 3/28	-/01
	Facility Name	URISEL	GOOD M.	AR	T#10	Facility Type	A-RET	AIL
	Latitude 25°Y	7'51"	Longitude	57	°34 ° 35"	L/L Method	A-GP	'S
	Check box to identify type of ins Provide Lat/Long Determination Provide the count of USTs and/o	Method. ("Map",	"AGPS" (Ma	gellan), '	itude as necessary. 'GGPS" (Trimble)).	# USTs Inspected 3	# ATSs Inspected	
	Compliance Inspection (Ann	ual)	TCI	X	Installation Inspec	tion	TIN	
	Compliance Inspection (DRF		TCDI		Closure Inspection	L	IXT	
	Compliance Inspection (Com		TCPI		Compliance Re-In		TCR	
	Discharge Evaluation ("short	form")	TDI		** Record the resu	lts of the TDI in a Disc	harge Project	
	• "Code" in block below corresponent Rule Cite 62-761	nds to the Rule Cite; r Description / I	-			ta recording of inspection re	sults.	Code
5	SIDCILLI	Shear	10-110-	$\leq \gamma$	ot inst	allah D	01	
		10 2/1	<u> </u>		10151			
		62-16	.500	$\left(4\right)$		rigidly c	inchosed	+
		Indepen	dently	of.	Hedispen	nsel). to	r tle	
			Q			all ges	dicano	DiC.
<	7000000		1		· · · ·			
-	·/00(1)(0)1			1 -	Regulated	· · · · · · · · · · · · · · · · · · ·	ces	·
		notre				g UL and	diese	f
		Stps	umps	Cr	nd Died	sel + #s	5Gas	
		LISOPA	Sell	ine	. Di		-	
			\$	<u></u>			·····	
	Financial Responsibility – Ver	rify owner's cover	rage Select h	15117/110	e or Other and provi	de <i>Mechanism</i> if ann	opriate	
		-			-	1/00 Expiration	- / .	
	Insurance Carrier:	-C J-F	-		Effective Date:	Expiration	n Date: 1/1/C	<u>'</u>
	Other Coverage meetir	ng federal financial	l responsibility	requirer	nents. Mechanism:	······		
	None							
	Based upon the inspection res Florida Administrative Code A re-inspection will be schedul	62-761. 🥱						
								·
	C.TRUS ENVIRO.	NMENTAL	HEACH	<u>4</u>	352-52,	7-5289 Office Phone Number		
	Storage Tank Program Office	MAER				LA (72)		
	Inspector Name - Please Print				Facility Representative	Name - Plaese Print	21	
	Marke		3/mala	,	1/1		15	\mathcal{T}_{α}
	Internettor Signature & Date		12810(Parting Danmason	tative Signature & Da	ite K	104
	Inspector Signature & Date				a gainty Represent			
							Page 1	of 4

Florida Department of Environmen Protection Sureal of Petroleum L uge Sy Storage Tank Facility Compliance Inspection Report

Facility Name: Sun R.SE & food MART 10 Facility ID: 8736154 Date: 3/28/01

e Cite	Description / Inspector's Comments
	All 3 fills are equipped with flow slot
	off V=1VES, TLESpill buckets are dry, and
	He fills were marked per Api 1637, But are
	woin off and now can not be dentified.
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	The 4 Monitor wells are Still open Since He Clean up has been finished all 4
	He Clean up has been finisled all 4
	Wells must be properly closed.
	premium UL Stp Sump is dry the Sw fib.
	Piping 15 equipped with a veder Root
	electionic Line Lack detector.
	Reg UL SUMP has & 18 incles of liquid. This must be removed and propaly disposed of us PCW. The SW fib. piping is equipped with
	must be removed and propaly disposed of as
	per The SW tib. piping is equipped with
	a Verde Root electronic line leck detector.
	D'red stand a 22 relace of 1/2 1
	Dicsel STIPSUMP Les 23 incles of Liquid.
	tacomment having this removed along with
	Piping 15 equipped with a verder rost electronic
	Ling leak detector.
· · · · · · · · · · · · · · · · · · ·	#1/2 Dispense Lines is dry and all Piping
	#1/2 Dispense Line is dry and all piping is equipped with slear values. However, the
1	Premium Value is Not anchored
	- 0.(]

Page \checkmark of \checkmark

Florida Department of Environmes Protection

Bureau of Petroleum 2 age systems
Storage Tank Facility Compliance Inspection Report

Facility Name: Sun Rise food Mart 10 Facility ID: 8736154 Date: 3/25/01

Description / Inspector's Comments Cite Diesel dispense line has R linel of liquid. He piping is equipped a slear value. He liquid in the bottom of the line cloul the removed and propelly disposed after # 3/4 Dispenser Liner 15 dry and piping is equipped hu, th shear values. However the Slear value for the premium line is Not Anchored. #5 Dispense Line is bet the the with 23 inclos of Lig-12 This should be remained and propoly disposed of. the fiping is equipped with Sharvalves, Howard the Premium value is NOT Andored. Placed is current and the RDRLIS ON file Monthly Visual cleaks for the str sumps and dispensed lines are alletted done and the conditions observed are noted. permonth has been kept from the vecder Root Mas,

Page 3 of 4

Florida Department of Environmer Protection Sureau of Petroleum 2 age Systems Storage Tank Facility Compliance Inspection Report

Facility Name: Sun Rise food Mart Facility ID: 8736154 Date: 2/28/01

e Cite	Description / Inspector's Comments
	Release Detection is a verder Root
	TIS 350R CSLD a print out for the
	TI, TZ, T3, Q1, Q2Q3 Alarm Listory
	and most recent Tenk and line tests
	has been added to the file.
	A Site diagram of the facility has been added to the file.
	his been added to the file.
	Plotographs taken of the oudall
	Site, The Liquid in the Sumps, and
	dispinso linos, and the shear values
	flat are not Mounted.
	Assessment wells were painted during the inspection per 600 2d.
	the inspection pe .600 2d.
	fills were painted per Api 1637 during the
	Inspection
	· ·
L	

Page 4 of 4

COMPLIANCE SERVICES, INC.



P.O. BOX 1647 VALRICO, FL. 33594-1647

May 1, 2001

Mr. C. Mark Sumner Citrus County Health Department Environmental Health Section 3600 W. Sovereign Path, Suite 125 Lecanto, Fl. 34461

RE: Sunrise Food Mart #10-ID#09/8736154

Dear Mr. Sumner,

This letter is in reply to your correspondence of March 29, 2001 concerning the recent compliance inspection at the subject facility. Attached for your review are the following items:

- 1. A copy of the manifest for removal of liquids from the dispenser liners and piping sumps.
- 2. A copy of a work order showing repair and proper anchoring of the shear valves.

If you have any questions, please contact me at 813/684-8029.

Sincerely Danny J Phillips

Attach.

FACILITY SITE SKETCH

SITE NAME: Son Rise food Mart #10 ADDRESS: 4450 S. SUN COAST FDEP NUMBER: 8736154 NORTH الم المتقلية والمرجة والمراجع $\times \times \times$ PR D O Æ 0 # 3/4 Diesel STORE KEY: D-DIESEL: R-REGULAR UNLEADED: PL-PLUS UNLEADED: PR-PRIEMUN UNLEADED

COMPLIANCE WELLS:

DISPENSERS:



SUNRISE God Mart 10 8736154 CMS

file://C:\WINDOWS\TEMP\KODAK.TMP\DCP_0313.JPG

3/28/01



April 23, 2003

Ms. Melike Altun Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, FL 32399-2400

RE: SEMI-ANNUAL REMEDIATION STATUS REPORT Former Tenneco 285-08 4450 South Suncoast Blvd. Homosassa, Florida 32646 FDEP FAC ID #: 098736154 PFP Work Order #: 2000-00-4192 2003 APR 25 A 10: 47 BUREAU OF PETROLEUM STORAGE SYSTEMS DOCUMENT MANAGEMENT CENTER

Dear Ms. Altun:

On behalf of El Paso Tennessee Pipeline Company (EPTP), Enviro-Logical Solutions, Inc. (ELS) is pleased to submit this Semi-annual Remediation Status Report to the Florida Department of Environmental Protection (FDEP). Enclosed please find two copies of the report for the above referenced former Tenneco site. Please review the submitted data, recommendations, and attached supporting documentation and advise ELS of your review findings.

If you have any questions or comments, please call the undersigned at (813) 963-0811.

Sincerely,

ENVIRO-LOGICAL SOLUTIONS, INC.

Josh Mahonev

Remediation Manager

JPM/TKC/jab

Cook, P.G Thomas K.

Vice President, Remediation

cc: Michael Taylor, El Paso Tennessee Pipeline Company Jeff Stegman, Equiva Services, LLC. Sean O'Brien, American Petroleum Investments, Inc. Enviro-Logical Solutions, Inc.

SEMI-ANNUAL REMEDIAL STATUS REPORT

FORMER TENNECO 285-08 4450 SOUTH SUNCOAST BOULEVARD HOMOSASSA, FLORIDA FDEP FACILITY NO. 098736154

Prepared for

Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Prepared by

Enviro-Logical Solutions, Inc. 13135 North Dale Mabry Highway Tampa, Florida 33618

April 2003

TABLE OF CONTENTS

<u>Page</u>

1.0 SEMI-ANNUAL OVERVIEW OF REMEDIAL ACTION	1.	
1.1 Facility Name and Address	1	
1.2 Remedial System Summary	1	
1.3 Groundwater Elevation Summary		
1.4 Summary of Groundwater Analytical Results		
1.5 Air Sparge System Performance Summary		
1.6 Horizontal Soil Vapor Extraction System Performance Summary		
1.7 Recommendations	4	
1.8 Signatures of Environmental Professionals	5	
2.0 MONTHLY SITE VISIT SUMMARY		

TABLES

- 1. Remedial System Summary
- 2. Groundwater Elevation Summary
- 3. Milestone Groundwater Analytical Summary
- 4. Air Sparge System Performance Summary
- 5. Dissolved Oxygen Levels
- 6. Horizontal Vapor Extraction System Performance Summary

FIGURES

Site Map Legend

- 1. Site Map
- 2. Remedial Well Locations
- 3. Relative Groundwater Elevation Contours March 27, 2003
- 4. Dissolved Petroleum Hydrocarbons-March 27, 2003

APPENDIX

- I. FDEP SAMPLING AND FIELD EQUIPMENT CALIBRATION LOGS
- II. LABORATORY ANALYTICAL REPORTS
- III. FDEP MILESTONE REDUCTION CHARTS

1.0 SEMI-ANNUAL OVERVIEW OF REMEDIAL ACTION

This report summarizes the remedial activities conducted at this site from August 2002 through March 2003.

1.1 Facility Name and Address

Name:	Former Tenneco 285-08
Address:	4450 S. Suncoast Boulevard
	Homosassa, Florida
FDEP #:	098736154

1.2 Remedial System Summary

The Remedial Action Plan (RAP) for this site was approved by the Florida Department of Environmental Protection (FDEP) on February 18, 1999. Enviro-Logical Solutions, Inc. (ELS) signed a Pay for Performance (PFP) Agreement, Work Order #2000-00-4192 with FDEP on September 1, 1999. The system startup occurred on October 26, 1999. Two Remedial Action Plan Modifications (RAPMOD) have been submitted for this site. The first RAPMOD, approved by the FDEP on January 8, 2001, allowed the injection of FyreZyme, an FDEP approved Innovative Technology bioenhancer. The second RAPMOD, approved by the FDEP on June 12, 2002, allowed the injection of hydrogen peroxide as a supplemental oxygen source as well as the use of CW-3R as a temporary treatment well. Table 1 is a summary of the design information and system repair/modification history. Figure 1 depicts the site layout.

The remedial system consists of five air sparge wells (AS-1 to AS-5) and a soil vapor extraction (SVE) system. The SVE system consists of four horizontal vapor extractions wells (HVEW-1 to HVEW-4). As outlined in the May 31, 2002 RAPMOD, low flow biosparging has been conducted in CW-3 during the past remedial period. Figure 2 depicts the current remedial system layout. Refer to the RAPMOD report and approval letter for design details and monitoring schedule. Please refer to the system "as-builts" submitted on November 23, 1999, for additional construction information.

1.3 Groundwater Elevation Summary

Table 2 is a summary of the historical groundwater elevation data recorded at this site. Prior to groundwater sampling, groundwater elevations are typically collected from all onsite-monitoring wells. These data, along with the top of casing elevations, are used to calculate the volume of water to be purged from wells before sampling. Figure 3 depicts the relative water table elevation contours on March 27, 2003. The groundwater flow direction on March 27, 2003 was generally to the west-northwest.

1.4 Summary of Groundwater Analytical Results

Key monitoring wells CW-1R and CW-3R were sampled several times during the past monitoring period for benzene, toluene, ethyl benzene, total xylenes (BTEX) and methyl tertbutyl ether (MTBE). Table 3 summarizes the historical groundwater analytical data. FDEP groundwater sampling and field equipment calibration logs for sampling events conducted between August 2002 and March 2003 are presented in Appendix I. Copies of the Laboratory Analytical Reports are contained in Appendix II. Figure 4 depicts the most recent dissolved hydrocarbon concentrations in groundwater. All sampling during this period was conducted according to the FDEP's groundwater sampling protocol effective April 10, 2002.

Although groundwater concentrations continue to decrease at this location, Key monitoring well CW-3R continues to exceed established Cleanup Target Levels (CTLs) for benzene, total xylenes, and MTBE. The concentration reduction trend in CW-3R continues to decrease. Key monitoring well CW-1R has groundwater dissolved hydrocarbon concentration below established CTLs. Overall, a greater than 90% reduction in BTEX/MTBE concentrations has been achieved in the two Key monitoring wells. Appendix III contains the FDEP Milestone Reduction charts for this location.

1.5 Air Sparge System Performance Summary

Table 4 is a summary of the Air Sparge System Performance. As approved in the May 2002 RAPMOD, ELS continues to utilize CW-3R as a temporary low-flow biosparging point. Currently, the air sparge system is operating on a timer, allowing operation for one hour on and the five hours off. The intermittent nature of this remedial scheme should help limit the formation of

ENVIRO-LOGICAL SOLUTIONS, INC.

preferential air pathways in the subsurface. The air flow rate into CW-3R over the past remedial period has varied from 3 to 5 standard cubic feet per minute (scfm) as pressures varying from 3 to 10 pounds per square inch gauge (psig).

Dissolved oxygen (DO) levels were also recorded from selected monitoring wells. Table 5 summarizes the DO data. Typically, DO levels of 2.0 milligrams per liter (mg/L) or higher indicates an environment in which petroleum hydrocarbons can be aerobically degraded by an in-situ heterotrophic biomass. DO levels in CW-3R have continued to rise over the past six months, to almost 6.0 mg/L in March 2003. It appears that intermittent biosparging directly into this well is an efficient method of introducing DO into the subsurface surrounding the underground storage tanks. Due to the continued elevation of the DO levels from biosparging, no hydrogen peroxide (H2O2) injections have been performed. ELS will continue to evaluate the remedial effectiveness of the current strategy and will initiate H_2O_2 injections per the RAPMOD requirements should it be deemed necessary.

1.6 Horizontal Soil Vapor Extraction System Performance Summary

Table 6 lists the Horizontal Soil Vapor Extraction system performance data. Soil vapor extraction has not been conducted at this site since the February 2002 restart. From that time ELS has set the remedial system to operate in a biosparge mode with biosparge flow rates averaging less than 4 scfm per biosparge well.

No effluent air treatment has been required since the June 2000 sampling event that found vapor phase BTEX/MTBE and Total Petroleum Hydrocarbon (TPH) concentrations below required emission levels. In the Semi-Annual Report (10/99 to 4/00), ELS made recommendations to stop effluent vapor treatment. The FDEP agreed with the recommendations and in August 2000 off-gas treatment was discontinued.

1.7 Conclusions and Recommendations

ELS will continue operation and maintenance of the existing remediation system until the site can be entered into Post Active Remediation Monitoring. Sampling of the Key and Perimeter and selected other monitoring wells will be conducted in May 2003 to assess remediation progress. ELS will update the FDEP via email about the results of this sampling event. ELS is

ENVIRO-LOGICAL SOLUTIONS, INC.

in the process of preparing a pilot test proposal for your review. ArcheaSolutions, Inc. has prepared a pilot test proposal for ELS to perform injections of a bioenhancer called Arkea into CW-3R. Mr. Bruce Thurby of ArcheaSolutions, Inc. made a presentation to the FDEP earlier this year. ArcheaSolutions, Inc. has applied for approval of their technology under the Innovative Technology Program. ELS will contact Mr. Rick Ruscito as we complete this pilot test proposal to ensure that we follow the proper monitoring and permitting procedures. The proposal will be submitted to your attention shortly under a separate cover letter.

1.8 Signatures of Environmental Professionals

Prepared by: Josh Mahoney Remediation Manager

-N-1 ohn & Krabbe Reviewed by:_____ John L. Krabbe, P.E. Engineering Manager FL License Number 33507

5

2.0 MONTHLY SITE VISIT SUMMARY

August 12, 2002

- Remedial system down upon arrival. Breaker tripped on the power pole reset and compressor restarted.
- Performed a 24 hour intermittent sparge test in CW-3R.
- Performed O&M on the remedial equipment.
- Collected DTW and DO levels from selected monitoring wells.
- Resumed biosparging into AS-1 and AS-2 prior to leaving the site. SVE system is off.

September 6, 2002

- Remedial system down upon arrival. Breaker tripped on the power pole reset and compressor restarted.
- Performed O&M on the remedial equipment.
- Sample Key wells for BTEX/MTBE
- Collected DTW and DO levels from selected monitoring wells.
- Resumed biosparging into AS-1 and AS-3 prior to leaving the site. SVE system is off.

November 5, 2002

- Remedial system up and running.
- Performed O&M on the remedial equipment.
- Setup for intermittent biosparging exclusively in CW-3R. Set timer for 1-hour on/4 hours off operation. SVE system is off.
- Collected DTW and DO levels from selected monitoring wells.

December 3, 2002

- Remedial system up and running.
- Performed O&M on the remedial equipment.
- Collected DTW and DO levels from selected monitoring wells.
- Sample CW-3R for BTEX/MTBE
- Resurred intermittent biosparging into CW-3R. SVE system off.

January 9, 2003

- Remedial system up and running,
- Performed O&M on the remedial equipment.
- Collected DTW and DO levels from selected monitoring wells.
- Resumed intermittent biosparging into CW-3R. SVE system off.

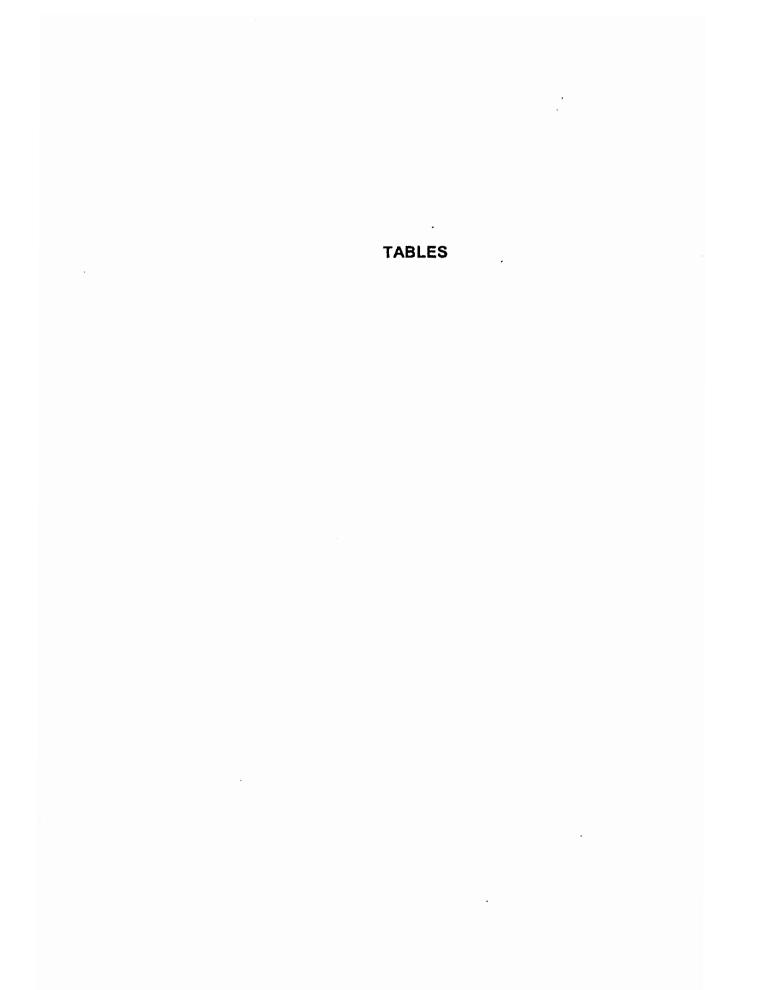
February 4, 2003

- Remedial system up and running.
- Performed O&M on the remedial equipment.
- Collected DTW and DO levels from selected monitoring wells.
- Resumed intermittent biosparging into CW-3R. SVE system off.

March 27, 2003

- · Remedial system up and running.
- Performed O&M on the remedial equipment.
- Collected DTW and DO levels from selected monitoring wells.
- Sample CW-3R for BTEX/MTBE.
- Resumed intermittent biosparging into CW-3R. SVE system off.

.



ENVIRO-LOGICAL SOLUTIONS, INC.

TABLE 1: REMEDIAL SYSTEM SUMMARY

Facility Name: Facility Address: Facility ID# Startup Date: Former Tenneco 285-08 4450 S. Suncoast Blvd., Homosassa FL 098736154 October 26, 1999

Groundwater Recovery /	Not Applicable	
Mult-Phase Extraction		
Recovery Well / MPE ID#		
Screen Intervat		
Drawdown		
Design Flow Rate		
Design Influent Concentration		
Effluent Polishing Type		
Gallery Design Size		
Other (e.g. FP Recovery, Pretreat)		
Permits	UIC Injecition for Fyrezyme; UIC Variance for H202	
(e.g. NPDES, consumptive use)		
Soil Treatment		
VES / MPE Well ID#	HVEW-1, HVEW-2, HVEW-3, HVEW-4	
Screen interval	36' to 40' Horizontal Screen Interval	
Design Flow Rate	design flow rate for the vapor system is 26 acfm per well	
Off Gas Treatment	None as of 7/8/02	
Other		
Air Sparging / Biosparging		
Sparging Well ID#	AS-1, AS-2, AS-3, AS-4, AS-5	
Screen Interval	(23'-25'), (26'-28'), (26'-28'), (23'-25'), (13'-15')	······································
Design Flow Rate	total design flow rate for the air sparge system is estimated to be 20 cfm	
Equipment & Specifications		Availability
(i.e. tower, blower, flowmeter,		
pumps) Specify usage, type, mfg,		
and design specifications.		
Blower	Roots Dresser 36URAI	
Compressor Model	CompAir Model 25 PURS	
Control Panel	NEMA 4	
(Brand & List components)	1	
Surge Protection (Mfg & Type)		
Other		
Telemetry (Mfg)	CIM 5000	Phone #:352-628-7290
	SYSTEM REPAIR HISTORY	
Date	Part Replaced or Modification	
1/17/00	Replaced Flowmeter on AS system	
	Replaced oil/air separator on the compressor.	
	Repaired effluent air sparge line (cracked PVC)	· · · · · · · · · · · · · · · · · · ·
	Replaced remedial trailer.	
	Replaced flowmeter on AS system.	
8/12/02	Replaced air/oil separator on the compressor.	
		······································

TABLE 2: GROUNDWATER ELEVATION SUMMARY

Facility Name: Facility Address: Facility ID#:

Former Tenneco 285-08 4450 S. Suncoast Blvd., Homosassa FL 098736154

All measurements in feet unless noted otherwise NA = Not Applicable

Table Elevation DTW = Depth to Water DTNAPL = Depth to Non-ELEV = Relative Water

WELL NO.		h W-1			MW-2			E-WW			HW4			MW-MM			MW-SW	
CIANETER (Inches)		~			2			2			2			2			7	
VELL DEPTH		=			=			25			25			13			Ŧ	
ACREN INTERVAL		414			14			20-25			20-25			3-13			4-14	
TOC ELEVATION		98.49			98.05			98.21			98.96			98.00			98.2 8	
DATE	ELEV	MIG	DTNAPL	ELEV	MTO	DTNAPL	ELEV	MLQ	DTNAPL	ELEV	MLD	DTNAPL	ELEV	DTW	DTNAPL	ELEV	Μ	DTNAPL
5/2/87	92.79	5.70	ž	82.75	5.30	¥	92.78	5.43	¥.	92.74	6.22	¥	92.75	5.25	٩N	92.74	5.54	≸
8/15/97	92.94	5,55	¥	92.80	5.25	¥	92.84	5.37	AN	92.63	6.13	¥	92.80	5.20	¥	92.80	5.48	¥
6///9	92.54	5.95	ž	91.43	6.62	ž	92.51	5.70	AN	92.41	6.55	M	92.50	5.50	¥	91.43	6.85	¥
10/26/39	¥	ž	¥	¥	¥	¥	¥	ž	AN N	¥	¥	¥	ž	¥	¥	¥	¥	¥
1500	92.54	585	ž	92.40	5.65	ž	92.70	5.51	¥	93.06	5.80	NA	92.60	5.40	¥	92.59	5.69	¥
1/17/00	92.61	5.68	AN	82.15	5.90	¥	92.06	6.15	¥	93.20	5.76	A	B0.83	7.17	ş	82.17	6.11	¥
2/16/00	¥	¥	ž	¥	ž	ž	¥	VN	M	AA	¥	¥	¥	¥	ž	₹.	¥	¥
4/17/00	92.59	5.80	ž	¥	¥	≸	92.51	5.70	NA	92.51	8.45	¥	¥	¥	AN	¥	¥	¥
5/17/00	92.37	6.12	¥	91,30	6.75	ş	92.30	5.81	NA	92.16	6.80	ž	92.73	5.27	ş	92.12	6.15	¥
8/24/00	91 86	6.83	ž	91.65	6.40	ž	91.37	6.64	AN	92.55	8.41	¥	90.16	7.84	¥	81.2B	8.7	¥
8/14/00	93.61	4.88	¥	93.35	4.70	ž	83.09	5.12	M	92.77	6.19	ž	18.16	6.19	¥	92.80	5.48	¥
8/21/00	94.79	3.70	AN -	2.2	3.61	Ą	94.09	4.12	¥	93.20	5.76	¥	93.B9	4.11	¥	94.28	8	₹
9/28/00	92.59	5.80	ž	93.05	5.00	¥	83.01	5.20	¥	¥	¥	¥	93.06	4.94	¥	83.13	5.15	¥
10/4/00	92.39	6.10	٩N	81.68	6.37	٧N	91.81	6.40	¥	91.96	7.00	¥	91.00	7.00	¥	93.03	5.25	¥
10/8/00	92.09	6.6	ş	92.43	5.62	M	92.46	5.75	A	91.71	7.25	¥	92.65	5.35	¥	92.66	5.62	≸
1/2/01	¥	Ş	ž	¥	¥	N	ž	¥	¥	¥	¥	¥	¥	¥	¥	¥	ž	Ą
1/23/01	81.48	2.00	AN N	01.90	8.15	ž	91.91	8.30	¥	Ą	¥	¥	91.98	6.02	¥	91.94	6.2	¥
2/7/01	Ą	ž	¥	AN	¥	AN	ş	ž	¥	¥	¥	¥	¥	¥	¥	¥	¥	¥
7/20/01	ž	ž	¥	¥	٩N	¥	ž	Ş	¥	¥	¥	ž	≸	¥	¥	ž	¥	¥
10/30/01	91.91	6.58	¥	61.63	6.12	¥	91.06	6.25	¥	¥	¥	¥	92.00	6.00	¥	91.98	6.30	¥
11/12/01	92.89	5.60	¥	92.35	5.70	¥	92.71	5.50	NA	NA	¥	¥	93.10	4.90	¥	92.68	5.60	AN
2/27/02	92.63	5.86	¥	93.05	5.00	¥	60 .09	5.12	¥	V	¥	¥	93.10	4.90	AN	93.06	5.20	¥
5/14/02	92.27	6.22	¥	92.07	5.98	X	92.66	5.55	¥	92.66	6.30	¥	92.25	5.75	¥	92.23	6.05	¥
6/13/02	92.14	6.35	¥	B1.93	6.12	A	92.53	5.68	Ą	92.52	6.44	≸	92.10	5.90	¥	92.13	6.15	¥
7/8/02	92.17	6.32	A	92.20	5.85	A	92.71	5.50	¥	92.69	6.27	≸	82.30	5.70	¥	92.11	6.17	¥
8/12/02	91.49	7.00	AN	91.15	8.90	Ą	91.73	6.48	Ą	91.69	7.27	₹	89.95	8.05	¥	90.81	14.7	¥
8/6/02	93.44	5.05	A	83.13	4.92	¥	93.83	4.38	¥	83.71	5.25	¥	83.32	4.68	AN	93.48	4 .8	¥
11/5/02	ž	ş	₹	¥	٩	Ą	93.85	4.36	¥	93.70	5.26	٩V	¥	¥	₹	ž	٩	¥
12/3/02	¥	Ź	×	¥	ž	A	84.11	4.10	Ą	93.46	5.50	Ą	¥	¥	¥	ž	¥	¥
1/903	¥	ž	¥	ž	ž	¥	93.16	5.05	A	92.86	6.10	ž	¥	¥	¥	¥	¥	¥
2/403	¥	Ş	ž	ž	¥	¥	83.41	4.80	¥	83.11	5.85	¥	ş	¥	Ž	ž	¥	¥
3/27/03	82.78	5.71	¥	82.19	5.86	A	93.21	5.00	¥	92.91	6.05	¥	¥	¥	¥	ž	¥	AN

TABLE 2: GROUNDWATER ELEVATION SUMMARY

Facility Name: Facility Address: Facility ID#:

Former Tenneco 285-08 4450 S. Suncoast Bivd., Homosassa FL 098736154

All measurements in feet unless noted otherwise NA = Not Applicable

ELEV = Relative Water Table Elevation DTW = Depth to Water DTNAPL = Depth to Non-Aqueous Phase Liquid

•

·

TABLE 2: GROUNDWATER ELEVATION SUMMARY

Facility Name: Facility Address: Facility ID#:

Former Tenneco 285-08 4450 S. Suncoast Bivd., Homosassa Fl. 098736154

All measurements in feet unless noted otherwise NA = Not Applicable

DTW = Depth to Water DTNAPL = Depth to Non-Aqueous Phase Liquid Table Elevation ELEV = Relative Water

																·		ſ
WELL NO.		CW-1R			CW-3R													
DUANETER (Inches)		2			7													
WELL DEPTH		9			ē													
SCREEN INTERVAL		3 to 7			3 to 7													
TOC ELEVATION		99.62			100.55			ŀ								-		
DATE	ELEV	DTW	DTNAPL	ELEV	DTW	DTNAPL	ELEV	ΔĩΨ	DTNAPL	ELEV	M10	DTNAPL	ELEV	MIG	DTNAPL	ELEV	M	DINAPL
20/2/2	~	Not installed	7	-	Not Installed													
8/15/97	~	Not installed	9	-	Not Installed							-						
6///89		Not Installed	P	5.	Not installed	_												
10/26/99		Not Installed	79	~	Not Installed													-
1/5/00		Not installed	P	~	Not installed													
1/17/00		Not Installed	-	~	Not installed	-												
2/16/00		Not Installed	P	~	Not Installed			-									·	
4/17/00		Not Installed	-		Not installed													
5/17/00		Not Installed		-	Not installed													
8/24/00		Not Installed		-	Not Installed													
8/14/00		Not installed			Not Installed	_											_	
9/21/00		Not installed			Not installed	_												
8/28/00		Not installed			Not Installed	_												
10/4/00		Not Installed			Not Installed													
100900		Not Installed			Not Installed													
1/2/01		Not Installed			Not Installed													
1/23/01		Not Installed			Not Installed													
2//01		Not Installed			Not installed													
7/20/01	¥	¥	¥	ž	¥	AN												
10/30/01	93.62	6.00	¥	94.50	6.05	A												
11/12/01	94.22	5.40	¥	94.95	5.60	¥												
2/27/02	94,32	5.30	¥	95.17	5.38	¥												
5/14/02	83.88	5.74	¥	51.73	5.82	¥												
6/13/02	93.75	5.87	¥	94.65	5.90	¥		-										
7/8/02	94.10	5.52	¥	94.7 0	5,85	¥												
8/12/02	93.24	6.38	AN	82.00	8,55	¥												
9/6/02	95.05	4.57	N	96.17	4.38	AN		ļ										
11/5/02	95.02	4.60	¥	95.78	4.76	¥												
12/3/02	94.48	5.16	¥	94.73	5.82	¥	-											
1/9/03	83.61	6.01	ž	83.78	6.77	¥												
2/403	83.72	5.90	ž	83.38	71.7	¥												
3/27/03	93.60	6.02	¥	92.90	7.65	¥												
																_		
								-										

TABLE 3: MILESTONE GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Fon Facility Address: 445/ Facility ID#: 098 System Startup Date: 10/2

Former Tenneco 285-08 4450 S. Suncoast Bivd., Homosassa FL 098736154 10/26/99

BDL = Below Detection Limits NA = Not Applicable Analytical Results in ppb (µg/L) CTL = Cleanup Target Levels

olemno manch	PC MTM1				ore demine target to	Acr =
				Ethyl	Total	
Location	Date	Benzene	Toluene	Benzene	Xylenes	MTBE
	GROU	NDWATER KEY MONI	GROUNDWATER KEY MONITORING WELL ANALYTICAL SUMMARY	CAL SUMMARY		
Groundwater Cleanup Target Laver's (up/L)		-	4	8	8	8
CW-1	86/1/9	155	5.0	062	665	35
	2/16/00	1.1	3.4	17	46	7.6
	5/17/00	11	28	114	5,240	¢100
	8/24/00	3.41	<10	95	860	¢10
	10/8/00	61	1.6	64	270	¢1.0
	1/24/01	804	350	10	360	150
	7/20/2001*	1.0	2.0	10	R	2.0
CW-1R	10/20/01	<1.0	<1.0	<1.0	<1.0	28
	10/21/11	<1.0	<1.0	5.4	7.3	27
	201702	<1.0	<1.0	7.0	5.9	1.7
	51402	<1.0	<1.0	<1.0	<1.0	<1.0
	778/02	<1.0	<1.0	3.4	1.8	<1.0
	9/6/02	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/02	61.0	¢1.0	<1.0	<1.0	¢1.0
CW3	66/1/9	1,100	8	750	450	5,050
	2/16/00	100	ŝ	200	240	Ş
	5/17/00	656	R	472	390	8
	8/24/00	270	¢100	2 82	260	8,200
	10/9/00	170	17	790	270	220
	1/24/01	180	<50	210	<50	7,700
	7/20/2001	103	27	150	117	2,480
CW-3R	10/30/01	130	7.6	52	ß	680
	11/12/01	320	Ş	રુ	150	1,300
	207702	360	35.2	ŝ	90.9	287
	5/14/02	83	84	<5.0	87	610
	7/8/02	2	7.0	8.5	2	78
	9/6/02	110	13	2.7	15	170
	11/5/02	800	300	<100	8	<100
	12/3/02	560	230	400	<u>8</u>	860
	3/27/03	370	37	<5.0	160	330
Baseline Average Kay Walls		621	82	770	55 6	2,543
Average on 11/5/02		8	Below CTL	Below CTL	\$	4
% Percent Reduction on 11/5/02		95%	100%	100%	7426	%96

ALYTICAL SUMMARY
GROUNDWATER ANALYTICAL SUMMA
MILESTONE
TABLE 3:

FL	tene Toluene
Former Tenneco 285-08 4450 S. Suncoast Bivd., Homosassa FL 098736154 10/26/99	Benzene
Former Tenneco 285-08 4450 S. Sunccast Blvd., 098736154 10/26/99	Date
Facility Name: Facility Addr es s: Facility ID#: System Startup Date:	Location

BDL = Below Detection Limits NA = Not Applicable Analytical Results in ppb (µg/L) CTL = Cleanup Target Levels

.

				Ethyl	Total	
Location	Date	Benzene	Toluene	Benzene	Xylanes	MTBE
	GROUND	WATER PERIMETER M	GROUNDWATER PERIMETER MONITORING WELL ANALYTICAL SUMMARY	YTICAL SUMMARY		
C44.3	8///8	69	1.0	<1.0	4.0	8.0
	8/24/00	<1.0	<1.0	<1,0	<1.D	¢1.0
	10/8/00	<1.0	<1.0	<1.D	<1.0	012
	60/1/9	\$	<1.0	2.0	6.0	18
	8/24/00	<1.0	<1.0	<1.0	<1.0	¢1,0
	10/8/00	<1.0	<1.0 1	<1.0	<1.0	¢1.0
LAN.A	6//28	<1.0	<1.0	<1.0	<1.0	4.0
	10/8/00	<1.0	<1.0	¢1.0	<1.0	2.2
MWSE	66/1/9	<1.0	<1.0	<1.0	<1.0	<1.0
	10/8/00	<1.0	<1.0	¢1.0	<1.0	<1.0

Note: In calculating the average concentration of Key Monitoring Welfs, the reported detection limit is utilized for concentrations reported as below method detection limits (<, less than). • Note = 7/2001 samping date of Key wells collected by state contractor Earth Tech on behalf of FDEP.

TABLE 4: AIR SPARGE SYSTEM PERFORMANCE SUMMARY

Facility Name: Facility Address: Facility ID#: Startup Date: Former Tenneco 285-08

4450 S. Suncoast Blvd., Homosassa FL 098736154 10/26/99 NA= Not Applicable/Data not available scfm= standard cubic feet per minute psig= pounds per square inch gauge

Site Visit	Days Between	Days Since	Air Flow	Calculated	Pressure	Active	Estimated air flow
Date	Site Visits	Startup	(scfm)	Air Flow (acfm)	(psig)	Sparge Wells	per well (scfm)
1/17/00	0	83	11	NA	7	AS-1,2,3,4,5	2.2
2/16/00	30	113	11	7.6	7	AS-1,2,3,4,5	2.2
3/23/00	38	149	11	7.3	8	AS-1,2,3,4,5	2.2
4/17/00	25	174	11	7.3	8	AS-1,2,3,4,5	2.2
5/24/00	37	211	11	8.0	6	AS-1,2,3,4,5	2.2
6/2/00	9	220	13	9,4	6	AS-1,2,3,4,5	2.6
7/5/00	33	253	NA	NA	NA	AS-1,2,3,4,5	NA
7/12/00	7	260	10	6.1	10	AS-1,2,3,4,5	2.0
8/24/00	43	303	10	7.6	5	AS-1,2,3,4,5	2.0
9/14/00	21	324	10	3.4	30	AS-1,2,3,4,5	2.0
9/21/00	7	331	18	8.3	18	AS-1,2,3,4,5	3.6
9/28/00	7	338	12	7.3	10	AS-1,2,3,4,5	2.4
10/4/00	6	344	16	8.4	14	AS-1,2,3,4,5	3.2
10/9/00	5	349	12	9.1	5	AS-1,2,3,4,5	2.4
11/15/00	37	386	12	7.3	10	AS-1,2,3,4,5	2,4
12/19/00	34	420	12	7.3	10	AS-1,2,3,4,5	2.4
1/2/01	14	434	NA	NA	NA	NA	NA
1/23/01	21	455	NA	NA	NA	NA	NA
2/6/01	14	469	NA	NA	NA	NA	NA
10/30/01	266	735	NA	NA	NA	NA	NA
11/12/01	13	748	NA	NA	NA	NA	NA
2/27/02	107	855	8	4.9	10	AS-1,3	4.0
5/14/02	76	931	12	7.3	10	AS-1,3	6.0
6/13/02	30	961	12	7.3	10	AS-1,3	6.0
7/8/02	25	986	12.0	9.1	5	AS-1,3	6.0
9/6/02	60	1046	3.0	2.0	8.0	CW-3R	2.0
11/5/02	60	1105	4.0	2.4	10	CW-3R	2.4
12/3/02	28	1134	5.0	3.0	10	CW-3R	3.0
1/9/03	37	1171	4	3.4	3	CW-3R	3.4
2/4/03	26	1197	4	3.2	4	CW-3R	3.2
3/27/03	51	1248	5	3.6	6	CW-3R	3.6

လ
EVEL
2
Z
Щ.
OXYGEN
X
Ш
>
б
ŝ
DISSOLVED O
5
BLE
Я
- 6
F

Facility Name: Former Tenneco 285-08 Facility Address: 4450 S. Suncoast Blvd., Homosassa FL Facility ID#: 098736154 Startup Date: 10/26/99

NR= No Record Results in ppm (mg/L)

TABLE 6:HORIZONTAL VAPOR EXTRACTION SYSTEM PERFORMANCE SUMMARY

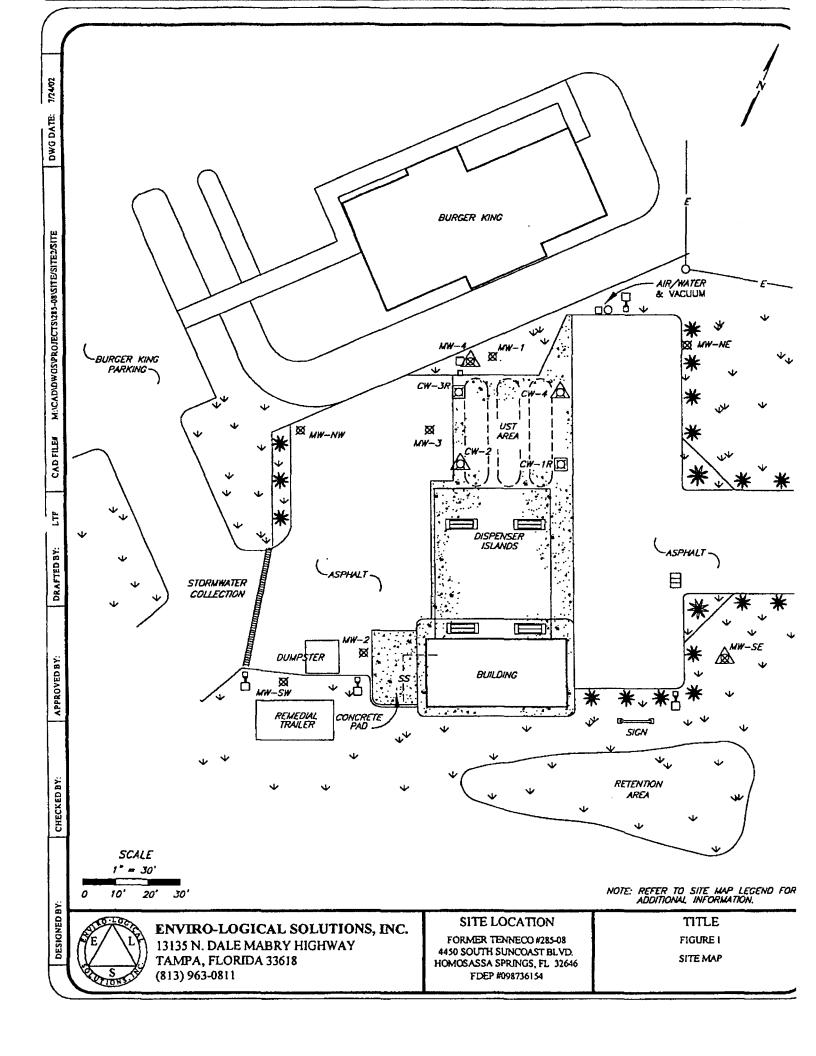
Facility Name: Facility Address: Facility iD#: Startup Date: Former Tenneco 285-08 4450 S. Suncoast Blvd., Homosassa FL 098736154 10/26/99 NA= Not applicable; Data not available sofm = standard cubic feet per minuta in. water= inches of water, vacuum

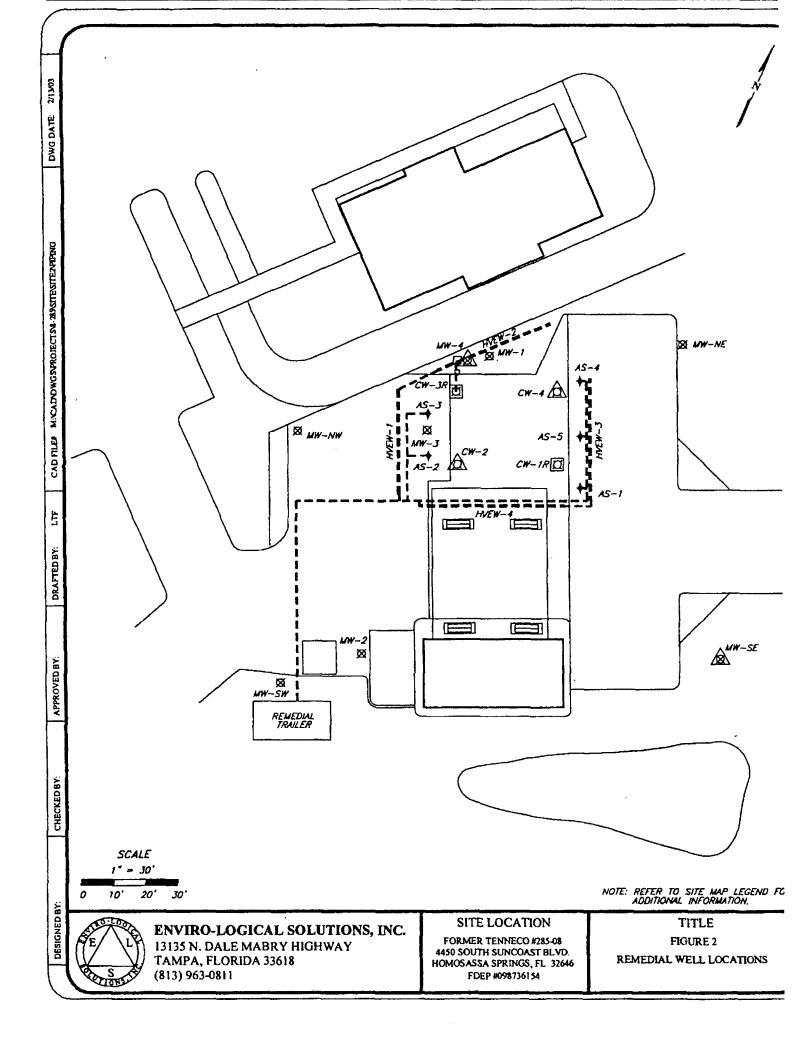
Site Visit	Days Between	Days Since	AirFlow	System Pressure	Actice		Well Head Pres	Sures	
Data	Site Visits	Startup	(scfm)	(in. wstar)	HVEW Location	HVEW-1	HVEW-Z	HVEW-3	HVEW-4
1/17/00	0	0	NA	-14.0	1,2,3,4	-13	-13	-12	-11
2/16/00	30	30	232	-20.0	1,2,3,4	-20	-20	-17	-20
3/23/00	36	66	232	-25.0	1.2,3,4	-20	-21	-20	-20
4/17/00	25	91	215	-33.0	1,2,3,4	-20	-20	-20	-18
5/24/00	37	128	215	-35.0	1,2,3,4	-21	-20	-21	-20
6/2/00	9	137	248	-35.0	1,2,3,4	-20	-20	-18	-20
7/5/00	33	170	NA	NA	1.2,3,4	NA	NA	NA	NA
7/12/00	7	177	150	-38.0	1,2,3,4	NA	NA	NA	NA
8/24/00	43	220	150	-40.0	1,2,3,4	NA	NA	NA	NA
9/14/00	21	241	NA	-40.0	1,2,3,4	NA	NA	NA	NA
9/21/00	7	248	140	-46.0	1,2,3,4	NA	NA	NA	NA
9/28/00	7	255	NA	-45.0	1,2,3,4	NA	NA	NA	NA
10/4/00	8	281	160	-45.0	1,2,3,4	NA	NA	NA	NA
10/9/00	5	266	NA	-45.0	1,2,3,4 .	NA	NA	NA	NA
11/15/00	37	303	170	-48.0	1.2,3,4	NA	NA	NA	NA
12/19/00	34	337	200	-60.0	1,2,3,4	NA	NA	NA	NA
1/2/01	14	351	SVE system tur	ned off.					
1/23/01	21	372	SVE system tun	ned off.					
2/6/01	14	386	SVE system tur	ned off.					
10/30/01	266	652	SVE system tun	ned off.					
11/12/01	13	665	SVE system tur	ned off.					
2/27/02	107	772	SVE system tur	ned off.					
5/14/02	78	648	SVE system tun	ned off.			{		
6/13/02	30	878	SVE system bur	ned off.					
7/8/02	25	903	SVE system bur	ned off.	<u> </u>				
8/12/02	35	938	SVE system tur	ned off.					
9/6/02	25	963	SVE system tur	ned off.					
11/5/02	60	1023	SVE system tur	ned off.					
12/3/02	28	1051	SVE system tur	ned off.					
1/9/03	37	1088	SVE system tur	ned off.					
2/11/03	33	1121	SVE system tur	ned off.					
3/27/03	44	1165	SVE system tur	med off.					
									1
	1								

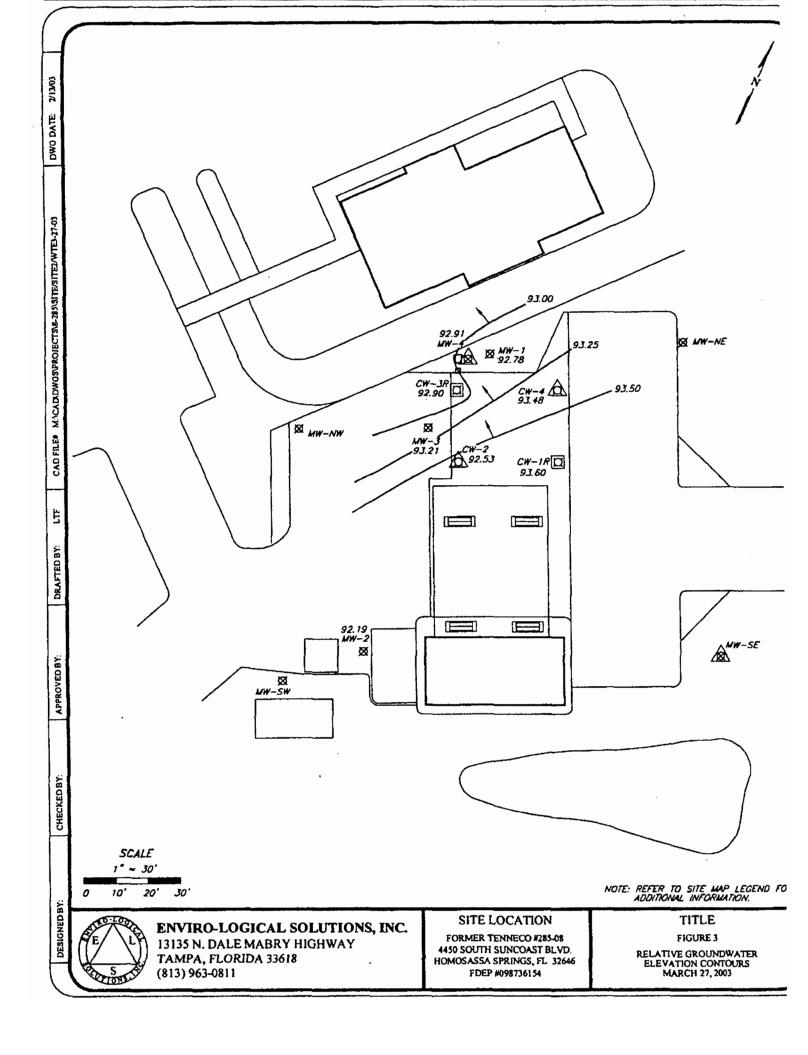
FIGURES

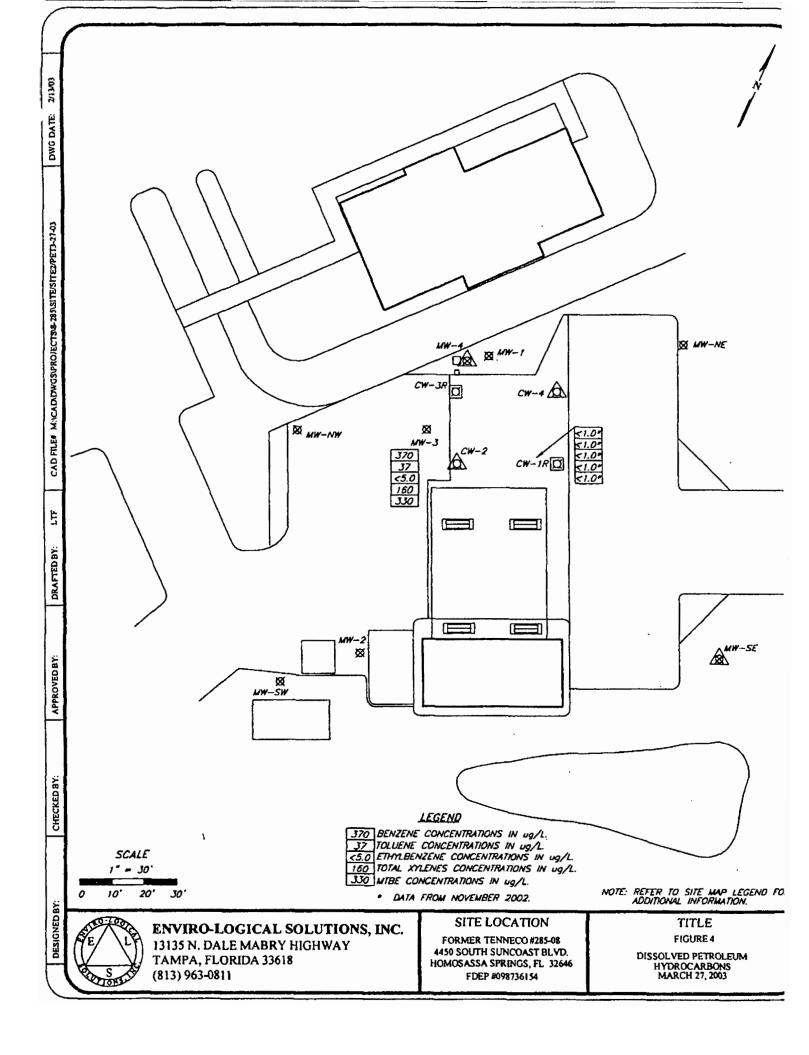
ENVIRO-LOGICAL SOLUTIONS, INC.

-					······································	
	MW-1	MONITORING/COMPLIANCE WELL		pm	PARTS PER MILLION	
	MW-1	ABANDONED MONITORING WELL	-	opb mali	PARTS PER BILLION MILLICRAMS PER LITER	
10/12/11	₩ D₩-1	DEEP MONITORING WELL		mg/L ug/l	MILLIGRAMS PER DIER MICROGRAMS PER LITER	
	S≇ TMW−1	TEMPORARY MONITORING WELL	-			EXISTING FEATURE SWALE OR SURFACE FLOW
DATE	⊙ GMW−1	DIRECT PUSH	-			PROPERTY BOUNDARY
	Ø	MONITORING WELL	-	>		FENCE ABOVE GROUND
	<i>R₩-1</i> ¥	RECOVERY WELL				UTILITY OR PIPE BELOW GROUND
	VE₩-1 +	VAPOR EXTRACTION WELL				UTILITY OR PIPE
	HVEW-1	HORIZONTAL VAPOR EXTRACTION WELL		LETT	ER ON UTILITY OR PIPE	PROCESS PIPING DENOTES SERVICE
	<i>H₩</i> ₩/P−1 Ø	HORIZONTAL WELL MONITORING POINT			ELECTRICAL TELEPHONE	PW POTABLE WATER SS SANITARY SEWER
e				NG		SW STORMWATER SEWER
G .	MPE-1/VE	P_1 MULTI-PHASE EXTRACTION OR VACUUM ENHANCED		SP	SAMPLE PORT	F FUEL OIL, GASOLINE,
M:ICADILIBRAR NLEGEND		PUMPING RECOVERY WELL				OR DIESEL
RAR	AS-1/BS	1			1	
ALIB	+	AIR SPARGE/BIOSPARGE WELL				HEAD WALL
CAD	/W1					CATCH BASIN
Ŵ	•	INJECTION WELL			Q	UTILITY POLE
ILE ILE	PZ1	PIEZOMETER				MANHOLE
CAD FILE	⊠ SB−1					UTILITY METER SIGN
	•	SOIL BORING			G	
	GS-1	GORE-SORBER				LIGHT POLE
	0					DISPENSER
	6P-1 0	DIRECT PUSH SAMPLING			*	CONCRETE
	<i>CPT−1</i>	CONE PENETROMETER TEST			*	GRASS
	<i>PB1</i> €	PILOT BORING			*	PALM TREE HARDWOOD TREE
	MIP-1 ▲	MEMBRANE INTERFACE PROBE			9	
	TP-1	TEST PIT	$\begin{pmatrix} 2\\ 6 \end{pmatrix}$		 7	A A
	VP-1/BV-	1 VAPOR/BIOVENT POINT	J			
	Ø		100			
	<i>0−1</i>	OXYGEN PROBE			NTOM BORDER IS 2 ON SHEET "6"	CUT SECTION IS SHOWN-
	×	KEY MONITORING WELL				
	Â	PERIMETER MONITORING WELL			PROFILE LETTER OR DETAIL NUMBER	
	Ø	PUBLIC SUPPLY WELL			SECTION OR DETAIL	INTLE A
	NA	NOT APPLICABLE			1" == 30	· • •
	NM	NO MEASUREMENT			/	1
	ND	NOT DETECTED			SCALE	
	NS AV	NOT SAMPLED				
	NI BDL	NOT INSTALLED BELOW DETECTION LIMITS		01	HEET(S) WHERE THIS SECT R DETAIL IS REFERENCED	
	ALTO COL	ENVIRO-LOGICAL SOLUTIO	NS, INC.			
1	[/ E/ \L	13135 N. DALE MABRY HIGHWAY		1		
		TAMPA, FLORIDA 33618			SITEN	MAP LEGEND
	Res S	(813) 963-0811				
1						









Site No. 19 Amoco #182 (#6322) 4205 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098945300 EPA I.D. No. FLD984212639

(



DEPARTMENT OF ENVIRONMENTAL REGULATION

+0 GJW 2/2/24 TO: TIM Bahr, TRS FROM: Jim LeBar, ESS SUBJECT: Additional Assessment @ Amaro 6322 (098945300) 1-27-94 DATE: I am requesting a quick review of this site for a determination on whether additional assessment (i.e. groundwater wells & Soil beings) is needed. The site is in its thrid year of remediation and Amoto fust decided to remove all the tanks on site in order to speed up the cleanup. However, the company destroyed most of the sites Key wells during this work and put the contaminated soils back in the hole, I am asking to any recommendations as to where such replacement wells (it any) should he installed. Any Comment?

FLORIDA FLORID	assee, Fiorida 32399-2400 nt tems	
Facility ID 8945300 County 09 CITRUS	Inspection Date 7/3/01	
Facility Name $AMOCO # 182$	Facility Type $9 - 2 \in T4$	IĊ
Latitude 28°4822" Longitude 82°34'33"	L/L Method $A-GPS$	
Check box to identify type of inspection performed. Update latitude/longitude as necessary. Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GGPS" (Trimble)). Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	# USTs # ATSs Inspected Inspected	2
Compliance Inspection (Annual) TCI / Installation Insp	ection TIN	
Compliance Inspection (DRF received) TCDI Closure Inspecti	······································	
Compliance Inspection (Complaint received)TCPICompliance Re-Discharge Evaluation ("short form")TDI** Record the re	Inspection TCR esults of the TDI in a Discharge Project	
"Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of electronic		
Rule Cite 62-76 (Description / Inspector's Comments	Cod	le
2. 600(1)(h) With Sensol LI in	alarm the	
Nosth tenk intostice	= 15 no long a	
being monitoled. C	correct the	
	nd continue te	
Monitor tenkinta		
· · · · · · · · · · · · · · · · · · ·		
Financial Responsibility – Verify owner's coverage. Select Insurance or Other, and pro	vide Mechanicu if appropriate	
$\frac{1}{\sum} \text{ Insurance Carrier:} \qquad \underbrace{ - + I}_{\text{Effective Date:}} \text{ Effective Date:}$		1
		-
Other Coverage meeting federal financial responsibility requirements. Mechanism		-
None		
Based upon the inspection results and information provided by the owner/operator, thi	a facility annears to meet the very versents of	
Florida Administrative Code 62-761 O Yes No C A re-inspection will be scheduled on or after Casys to verify correction of the non-con	CWOE - Compliance without Enforcement spliance items noted	ť
CITRUS ENVIRONMENTAL HEALTH 352-5	27-5289	
Storage Tank Program Office	am Office Phone Number	
C. MARK SUMMER - Plaua Inspector Name - Please Print - Facility Representat	NIBBARCE ive Name - Please Print	
mic shin in	X JI K	
I Calle Da 1/3/01 Jaule	antotive Signature & Date	
Inspector Signature & Date Facility Represe	entative Signature & Date	

Page of	Page	_of
---------	------	-----

, Florida Department of Environme. I Protection © Bureau of Petroleum rage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: AMOCO #182 Facility ID: 894530 Date: 7/3/2001

1	Cite	Description / Inspector's Comments
	\prec	2001/2002 placed + RDRL are
		on Display at the facility.
	X	The dispenser lines and piping sump
		are Visually inspected Monthly and the
		The dispenser lines and piping sump are Visually inspected Monthly and the Conditions arrenoted on the log.
	`	Release detection is a veeder
		Root TLS -350 With Sen SWS
		(1 in North tank interstice
		62 in South tank intostice
_		(3 in piping Sump.
1		Sensor (1 is in alarm and the
		liquid in the North tenk intostice
		Must be Removed.
-		(see attack printout.
	X	Cilles a list De Asil(22 a lil Dell
		fillsaire colored Der Apil637 and the Spill
		bucket has RIG incl of liquid.
		Spoine Supporte a tala Production
		Fiping Sumpisding and the pipe interstices are open to the Sump.
		PROPENIOTHE SUMPSI
-	ذ	t The stps are not equipped with line
	/	leak detectors (not Required on AS+S)
	1.1	Le control magazine (151-)
1		KTanks are starting to Rust Recommand
		B & Painting
		Page 2 of 3

Florida Department of Environme. I Protection © Bureau of Petroleum rage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: AMOCO # 182 Facility ID: 894520 Date: 7/3/01

Cite	Description / Inspector's Comments
×	Onable to access the dispenser lines as operator had no key.
	as operator had no key.
7	26 Wells were observed on the
	SITE Hese wells are for use
	in the ongoing Site assessment. and clean UP.
×	a ploto graph attle two Asts
	hesbeen added to the file.
L	

Page 3 of 3

Jeb Bush Governor



July 9, 2001

Mr. Steve Weeks Quality Petroleum P.O. Box 33802 Lakeland, FL 33802

> RE: ID # 098945300 Amoco #182 4205 S. Suncoast Blvd. Homosassa Springs, FL 34446

Dear Mr. Weeks:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Attached are the 62-761, FAC, compliance inspection results for the above named facility. The inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to 62-761, FAC. Alleged violations are noted below.

Due to the alleged violations noted, this facility may not be operating in compliance with Chapter 62-761, FAC. Review the violations referenced below. Submit a response in writing within fourteen (14) days which provides a schedule for correcting the noted violations. Be advised that failure to take corrective action may result in enforcement action and the assessment of penalties.

CITRUS COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SECTION STORAGE TANK INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316

Sprinted on recycled paper

62-761.600(1)(h), FAC – Interstitial monitoring is not being performed for the secondarily contained portion(s) of the storage tank system(s). Any component of a storage tank system with secondary containment shall have an interstitial monitoring method meeting the requirements of Rule 62-761.640(3)(a), FAC.

Suggested Corrective Action: Correct the alarm in the North tank to allow monitoring of the interstice(s) at least monthly as required.

Note that unless otherwise indicated, the schedule for corrective action is 30 days. Any item for which insufficient information was provided to determine compliance status is followed by an asterisk (*) and must also be addressed.

If you have any questions concerning this letter please call the Storage Tank Inspection Program at (352) 527-5295.

έ.

Sincerely,

C. Mark Sumner Environmental Specialist II

enclosure(s) CMS/file 1. lata is current as of: 21-JUN-2001

×

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

 Facility Information
 ID#: 8945300
 District: SWD

 Name: AMOCO #182
 County: Citrus

 4205 S Suncoast Blvd
 Type: Retail Station

 Homosassa Springs, FL 34446
 Status: Open

 Contact: STEVE WEEKS
 Latitude: 28:48:22.0000

 Phone: --863 687-2682
 Latitude: 82:34:33.0000

 LL
 AGPS

Account Owner Information Name: Quality Petroleum Corp Po Box 3889 Lakeland, FL 33802 Phone: 863-687-2682

Tank Owner Information Name: Quality Petroleum Corp PO Box 3889 Lakeland, FL 33802 Phone: 863-687-2682

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor
5	12000	Vehicular Diesel	03/01/1994	ABOVE	U î.	I M P N	C F J K	F H 1 K 3 2 5 4 CmS.
6	12000	Unleaded Gas	03/01/1994	ABOVE	U	I M P N	CFJK	$ F \\ H \\ I \\ K \\ 3 4 \\ 5 2 $
l	8000	Vehicular Diesel	07/01/1972	UNDER	В			-
2	10000	Unleaded Gas	07/01/1985	UNDER	В			
3	10000	Unleaded Gas	07/01/1972	UNDER	В			
	10000	Unleaded Gas	07/01/1972	UNDER	В			

http://tlhora2.dep.state.fl.us/www_stcm/owa/page_two

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D).

N OPEN violations found!

. .

Mc Recent Insurance Document

FR Type	Effective Date	Expiration Date	Company Name	×,
INSURANCE	04/29/1994	08/01/2000	COMMERCE & INDUSTRY	

έ.

End of Data for Facility #: 8945300

http://tlhora2.dep.state.fl.us/www_stcm/owa/page_two

ř

Site No. 20 Walgreens #4217 (aka Larry's Auto Sales) 4029 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 099202408 EPA I.D. No. FLR0002311132



Department of **Environmental Protection**

Jeb Bush Governor

Twin Towers () ce Building 2600 Blair St ne Road Tallahassee, Fic i 1 32399-2400

David B. Struhs Secretary

July 20, 2000

MR. JAMES PETERSON PETERSON, JAMES A PO BOX 560 HOMOSASSA SPRINGS, FL 34447

LARRYS AUTO SALES Re: 4029 S SUNCOAST BLVD HOMOSASSA SPRINGS, FL 34447 FDEP Identification # 099202408

Dear MR. PETERSON:

assistance for the clean up of the reported petre um contamination. The Florida Department of Chapter 62-771, Florida Administrative Code.

This letter is in regard to the status of the clear i of your site. This site is eligible for State funding Environmental Protection (Department) is required by statute to preapprove the scope of work and cost for the cleanup of a petroleum contaminated site i tate funds will be used to pay for that cleanup (Section 376.30711(1)(b), Florida Statutes (F.S.). The Department is further required to clean up petroleum contaminated sites in priority order as establis! I by the Petroleum Cleanup Site Priority Ranking Rule,

This site has been assigned a priority score of 3. Currently funding is available for all sites with a priority score of 30 or greater. Therefore funding is as a lable for work on this site under the Preapproval Program. In the Preapproval Program the Department worls directly with the contractor of your choice to determine the scope and cost for cleanup work. The Departu 1 nt promptly pays the contractor directly, upon completion of the work.

You should indicate your choice of contractor ty completing and returning the enclosed "Contractor Designation Form" (CDF.) If you do not wan be designate a contractor, or would prefer that the State manage the cleanup of your site, complete the closed CDF and designate "State" as the contractor. Please note that the "Real Property Owner" should car plete this form. If you would prefer that we coordinate our offorts with your representative, then please is d cate this person on the "Real Property Owner Designated Contact" line.

If you have previously submitted a Contractor, resignation Form, we are requiring that you complete the revised form because it includes important program information. Please take a few minutes to read and understand the information presented on the tom because it may affect the cleanup of your site. Please note that the enclosed form is the latest version of J : Contractor Designation Form. We do not accept previous versions of this form.

"Protect, Conserve and Manage - Kvida's Environment and Natural Resources"

Part on recycled paper

Letter requesting contractor designation July 20, 2000 Page two

The real property owner's signature must be not rized and the original form returned to my attention, Mail Station 4545 at the letterhead address. If you t ve any questions regarding this form or if you have comments on your site's score or rank, please cc state me at (850) 921-9210.

Erik Swanson Environmental Specialist III Petroleum Cleanup Section 2

•

Enclosure: Contractor Designation Form

Site No. 24 Fina Station (Jay's 66 Service) 3951 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098503076

CO LANSON LE LA VII SCOTT
Florida Department of Environmental Regulation
Twin Towers Office Hilds + 2600 Hilde Sume Houd + Tulishassee, Florida 32399-2400
OCA ADDENIA He When by OCA
Discharge Reporting Form
Use this form to notify the Department of Environmental Regulation of: 1. Results of tank tightness lesting that exceed allowable tolerances within ton days of receipt of test result.
2. Potroloum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.C. within one working day of discovery.
3. Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities established in 17-761.460(2) F.A.C., within one working day of the discovery.
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated substances or pollutants discovered in the surrounding area. (b) unusual and unexplained storage system operating conditions, (c) monitoring results from a teak detection method or from a teak closure assessment that indicate a release may have occurred, or (d) manual teak gauging results for taaks of 550 gallons or less, exceeding ten gallons per weekly test or five gallons averaged over four consocutive weekly tests.
Mail to the DER District Office in your area listed on the reverse side of this form
PLEASE PRINT OR TYPE Complete lle applicable blanks
1. DER Facility ID Number: 098503076 2. Tank Number: 1-4 3. Date: 9/13/93
1. Facility Name: Fina Station
Facility Owner or Operator: whet stone O.L.Co
Facility Address: 3951 South Suncarot. Blud, Homosassa Springs, FL 34448
Telephone Number: (904) 638-1150 County: CIteus
Mailing Address: P.O. Box 1257, Crystal RIVER, FL 32623-1257
5. Date of receipt of test results or discovery: 8/13/93 month/daylyear
6. Method of initial discovery. (circle one only)
 A Liquid detector (automatic or manual) B. Vapor detector (automatic or manual) C. Tightness test (undorground tanks only). D. Emptying and Inspection. F. Vapor or visible signs of a discharge in the vicinity. G. Closure: (explain) H. Other:
7. Estimated number of gallons discharged:
8. What part of storage system has leaked? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank E. Unknown
9. Type of regulated substance discharged. (circle one) A. leaded gasolino D. vehicular diesel L. used/waste oil V. hazardous substance includes pesticides, ammonia, chlorine and derivatives (write in name or Chemical Abstract Service CAS number) B. unleaded gasoline F. aviation gas M. diesel Service CAS number) C. gasohol G. jet luel O. now/lube oil Z. other (write in name)
10. Cause of leak. (circle all that apply) ORing on Lenk Defector A. Unknown C Loose connection E. Puncture G. Spill I. Other (specify) B. Split D. Corrosion F. Installation tailure H. Overfill
11. Type of linancial responsibility. (circle one) A Third party insurance provided by the state insurance contractor C. Not applicable FPL れ 7626602 B. Self-Insurance pursuant to Chapter 17-769.500 F.A.C. D. None
12. To the best of my knowledge and bellet all information submitted on this form is true, accurate, and complete.
Printed Name of Owner, Operator or Authorized Representative Signature of Owner, Operator or Authorized Representative



State of Florida DEPARTMENT OF ENVIRONMENTAL REGULATION

	For Routing To Other Than	The Addresses
10 D		
10:		Locanon:
°		
From		Cate

D0061492

Interoffice Memorandum

TO:	Paula Noblitt, Southwest District Office
THROUGH:	Tim Bahr, Technical Review Section Bureau of Waste Cleanup
FROM:	Jorge R. Caspary, Technical Review Section JFC Bureau of Waste Cleanup
DATE:	March 27, 1991
SUBJECT:	No Further Action Proposal Mason's Concrete Ready Mix , Inc. Crystal River Plant, Citrus County. DER File No. 90-1804

Based on my review of the Contamination Asessment Reports (CARs) prepared by Dames and Moore and Law Environmental for the above referenced facility, I concur with the consultant's "No Further Action Proposal" recommendation for the petroleum related contamination.

Supplemental work to determine the source, degree and extent of the elevated pH values in the soil and groundwater is recommended.

If you have any questions, please contact me at Suncom 278-0190.

PLRIP ELIGIBILITY REVIEW CHECKLIST/ROUTING SLIP Site FWA- WHERSTONE DLFac, # 098503076 Proj. Manager B. 28 12,52,3 153151 Longitude _ Latitude TATE Anspection Date 8 124193 PReview Documentation (Use Documentation List and Reimbursement Eligibility Worksheet) Prepare Letter or Final Order (Check Appropriate line) A. Insufficient Documentation (Generic.3) 2. Eligible (Generic.5, enclose Estimate Form and Reimbursement Application Form) 3. Ineligible (Generic.6) Review Letter (Check each line after verification of information) 1. Proper Addressee Facility Name Facility Address 4. DER Facility Number (if no number, see Supervisor) 5. CC: All Other Applicants 6. CC: District Inspector 7. CC: Local Program (if applicable) 8. Switch "P" to "E", or "I" on file INELIGIBLE ORDERS ONLY _ 1. Switch "P" to "I" on file Signature __ Bureau Chief (Ineligible Orders Only-Gen.6) _ Project Manager (Insufficient Documentation-Gen.3) Eligible signature stamp (Gen.5) and Mail Copies (Nora) MAPPER Update File Copy of Letter or Final Order to Log Out) Ineligible (STID48) Data Entry ELIGIBLE _ 1. Eligible (STI048) Data Entry _ 2. Mailing List update Return to File Room SV.



ENVIRONMENTAL SERVICES, INC.

January 10, 1994

Mr. Bill Truman F.D.E.P.-Petroleum Insurance Section Tallahassee, Florida

RE: Discharge Reporting Form/Letter of Intent Whatstone Oil Company Fina Station 3951 S. Suncoast Blvd. Homossasa Springs, Florida F.D.E.P.# 098503076

Dear Mr. Truman:

Enclosed is the Discharge Reporting Form for the facility referenced above. Upon a compliance inspection, performed by UKS on August 13, 1993, a heavy petroleum sheen (~0.25 inch thickness) was observed in the northwest compliance well. Included is a monitor well inspection form for the facility.

رت انت

5

 $C^{(n)}$

A State of Florida certified tank and line tightness test was completed by Tankology for the facility, with no leak observed. Copies of the test results are included.

The owner intends to place the site in State of Florida administered cleanup, under FLIPA Policy # 7626602. This data was submitted to the Southwest District in August 1993.

If there should be any questions, please feel free to contact me at the telephone number listed below or Mr. Mike Whetstone at (904)628-1150.

Sincerely, ~ Milla Keith McDonald Hydrogeologist

ENCLOSURES

1007 Chambord Court • Orlando, Florida 32825 • (407) 382-8128

	OCA Para 1. 17-781 5000
A contract of Energy Chineman Acgunation	Ferm Tel. Discharge Reporting Ferm
Twin Towers Office Hidy • 2000 High Stone Road • Talahassee, Florida 32399-2400	DEA Applement He
Discharge Reporting Form	
Use this form to notify the Department of Environmental Regulation of:	the state to a second
1. Results of tank lightness testing that exceed allowable tolerances within ton days of receipt of test re	
2. Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761,460 FAC	a within one working day of discovery.
 Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities estate one working day of the discovery. 	blished in 17-761.480(2) FAC, within
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated sub the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring a or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gau or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive weekly	ing results for tanks of 550 gallons
Mail to the DER District Office in your area listed on the reverse side of this	
PLEASE PRINT OR TYPE Complete all applicable blanks	
1. DER Facility ID Number: 098503076 2. Tank Number: 1-4	3. Dalo: 8/13/93
1. Facility Name: FIGA Station	
Facility Owner or Operator: _ whet stone O.L'Co	
Facility Address: 3951 South Suncarot Blud, Homosass	A Springs, FL 34448
CUTEUS CUTEUS	
Mailing Address: P.D. Box 1257, Crystal RIVER, FL 32623-16	257
5. Date of receipt of test results or discovery: 8/13/43	monit/daylyear
6. Method of Initial discovery. (circle one only)	
(A) Liquid delector (automatic or manual) D. Emplying and Inspection. F. Vapor or visit	ble signs of a discharge in the vicinity.
B. Vapor detoctor (automatic or manual) E. Inventory control. G. Closure: C. Tighiness test (underground tanks only). NW compliance well H. Other:	(explain)
7. Estimated number of gallons discharged:	
•	Fitting D. Tank E. Unknown
* Leak Detect	or on Gas Tank
 Type of regulated substance discharged. (circle one) A. leaded pasoline D. vohicular dieset L. used/waste oit V. hazardous substance 	ce includes pesticides, ammonia,
G anticho di G isi fuel G anticho all' Somice CAS number	res (write in name or Chamical Abstract
	[]
10. Cause of leak. (circle all that apply) ORing on Lenk Detector. A. Unknown O Loose connection E. Puncture G. Spill B. Spill D. Corrosion F. Installation laiture H. Overlill	I. Other (specify)
11. Type of financial responsibility. (circle one) Third party insurance provided by the state insurance contractor C. Not applicable F 8. Self-insurance pursuant to Chapter 17-769.500 F.A.C. D. None	PLN 7626602
12. To the best of my knowledge and belief all information submitted on this form is true, ac	ccurate, and complete.
michael 6. Wheet store mild A.	9 HJ
Printed Name of Owner, Operator or Authorized Representative Signature of Owner, Operator of Authorized Representative	erator or Authorized Representative
Sodies P Durch Sodies Sodies P Durch Sodies P Durch	Dan Daniel Sources Daniel

• •

VER DATE AVGT. 24 DER facility # 1098 84 g.C Facilly Hame_ Hereosassa. 3451 J. JUNCOAST BLUD HE MOIDING GL Fricility Address_ Contact Person/Telephone MIKE WHY TSTONF. Latitude 21° 53' 51" Longitude 182 52 33" H. (204) SS DUTY - U ARTIS REGUE ATION 11 and pro >... For the items below that may indicate non-compliance or gross magigance, please supporting documentation. UNKNOWN I. Compliance with Chapter 376,3072. Florida Statutes and Chapter 17-769. F.A.C. YES מון " 1. Was any contamination discovered prior to January 1, 19897, 17 yes, explain. I IN 1_1 5 · · · · · Sec. Car 2. Petroleum Liability Insurance Program Affidavit form completed? : 11 yes, give X notarized._ Is the site insured by FPLIPAT If not supply the carrier insured with or ot 21-1 3. type of financial responsibility mechanism useds ... 1...1 Restaration Coverage Hotice of Eligibility issued? If yes, give effective dat $\overline{\mathbf{X}}$ 4 5. Has sile access ever been denied?_ 10 6. Has a Storage Tank Program compliance inspection ever been performed for this M facility? If yes, give the date of the most recent inspection and supply a co 7. Has the suspected petroleum storage system component responsible for the disc been removed from service within 3 days of discovery. If no, explain, 8. Have steps to obtain cleanup services been initiated within 3 days of the disc discovery? If no, explain. s ... ۴. 7, 11. Information Required for Sile Scoring and Ranking KI-9. Is there evidence of a contamination problem? If yes, explain in comment sect It lies to a. <u>check one:</u> • a. Two or more monitoring wells/boreholes show >2" free product. b. Only 1 monitoring well shows >2" free product or monitoring wells show <2" free product or petroleum sheen. DER Form Ho. Page 1 of 2 •' . .

ويقاوره يروز وبرايرتهم سيعاده •17 C. Monitoring wells are a centelo icy byl HEGN 1. . . . d. Suit contaminant on and an L product Joss. والا الم الم Check ene: 10. Contamination Product Fyor NZI. 124.4 a. Light petraleum (Verusione, gasaline, aviation fuel, etc.) 11.1 ٥R Ŕ b. Heavy petrolena finel oil, diesel or similar petroleum products) ×121" c. Vakopen or other. <u>ن</u>د ا thick theie that exply; Ξ. 11. Potable water 1-1a. Within 1/2 mile: Large wells \$100,000 gpd 1. Indicate directions, 2. Estimate distance:__ ----19-0w E. b. Within 1/4 mile: small wells (100,000 gpd. 2. 1. Indicate direction: ELJ. 2. Estimate distance:____ c. Surface water body used as a public water system. 12. Indivate betweepen met, to expelation conters: (relievrant, shopping conter, house, etc.) IXI 150FT & SOUTHEAST 100 FT. a. 1 500 lect: Indicate distance: WEST 1 b. > 500 feet: Estimate distance: • • • • ARAN WATER Comments CITY ON RGPORNY FORM RECEIRS 6.41 X/a 245 TANKA 10 P/3 LINE TECTOR .. ÷ ; ::; 40 Compliance inspecto Ins DER District: (my) Local Programs, PREVEN DER form Ho. Page 2 of 2

:

Twin Towers Office Bldg. • D	rtment of Environmental tection 2600 Blair Stone Road • Tallahassee, Florida 32399-2400 Sivision of Waste Management au of Petroleum Storage Systems						
Storage Tank Facility Compliance Inspection Report							
Facility ID 5503076 County	OGCITRUS Inspection Date (2/12/2000)						
Facility Name FINA STATION (HomosASSA) Facility Type A-RETAIL						
Latitude 25-4815" Longitu	1de 82°34'34" L/L Method A-GPS						
Check box to identify type of inspection performed. Update 1 Provide Lat/Long Determination Method. ("Map", "AGPS" (Provide the count of USTs and/or ASTs reviewed <i>during</i> this	Magellan), "GGPS" (Trimble)). Inspected L4 Inspected						
Compliance Inspection (Annual) TCI	Installation Inspection TIN						
Compliance Inspection (DRF received) TCDI	Closure Inspection TXI						
Compliance Inspection (Complaint received) TCPI	Compliance Re-Inspection TCR						
Discharge Evaluation ("short form") TDI	** Record the results of the TDI in a Discharge Project						
• "Code" in block below corresponds to the Rule Cite; represents a D	Data Entry Code for case of electronic data recording of inspection results.						
Rule Cite 6 2-76 / Description / Inspector							
" .(10(4)(a) 2. Single Walle	ed pressurized piping						
equipped L	sith Machanical Line (eak						
	is not been tightness tested						
+2 .640(3)(d) Line Leak	detectors have not had						
an annua	1 test of the operation						
in accorde	ince with Mansactures						
COB LICE OD	-+						
1 e.pti ciric							
Financial Responsibility – Verify owner's coverage. Select Insurance or Other, and provide Mechanism, if appropriate. X Insurance Carrier: CHT Effective Date: 4/24/2000 Expiration Date: 4/24/2000 Other Coverage meeting federal financial responsibility requirements. Mechanism:							
Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761. O Yes No O CWOE - Compliance without Enforcement A re-inspection will be scheduled on or after days to verify correction of the non-compliance items noted.							
CITRUS ENVIRONMENTAL HE	AUTLI 352-527-5289						
Storage Tank Program Office	Storage Tank Program Office Phone Number						
Inspector Name - Please Print	Facility Representative Name - Please Frint						
1 Lack 5- 12/12/200	D James N. King						
Inspector Signature & Date	Facility Representative Signature & Date						
· · · · · · · · · · · · · · · · · · ·	1 0						

Page _	of _	2
^ up -		1

Florida Department of Environmant Protection & Bureau of Petroleum rage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: <u>FINA</u>	STATION Facility ID: 8503076 Date: 12/12/2000
	Description (Inspector's Comments)
	Release detection is SIR by Total
	Release detection is SIR by Total SIR first report from 10/2000
	results Diesel - Pass
	plus - INC.
	X Unlead - fail X
	Prem - Inc
	The investigation for the failed Uleaded
	revealed poor sticking procedures
	* Send Copy of 11/2000 report to
	Citrustank office X future fails or
	2 consecutive inconclusives may require
	tank tight ness testing.
	previous SiR Vendor SE CiQuid Analyzers
	Disontinued 9/2000
	Dispensellings and Stp's are visually
	Checked monthly, and the results are recorded
	In log book
	Diesel dispenser was wet
	Gas# 3/4 hed 5 inch of liquid.
	Gos# 5/6 + 7/8 both dry
	All 4 Stps have had soil removed from
	around them, and the flex Connectors are
	Covered with basts.
	4 monitor Vells Still open Marked as Assar
	due to disclarge 8/13/1993
	placed is displayed and RDRL 15 on 5'

Memorandum H

Florida Department of Environmental Protection

TO: File

From: Leslie Pedigo

Date: December 14, 1999

Subject: Discharge Report Dated April 7, 1999 Homosassa Fina 3951 South Suncoast Boulevard Homosassa, Citrus County, Florida FDEP ID #098503076

The discharge reported April 7, 1999 was in response to contaminated soil discovered during the upgrade of the dispensers with dispenser liners. Visual staining and odors were noted. Since the site already had reported contamination (August 13, 1993), confirmation soil samples were not collected for analysis. The August 13, 1993 DRF was filed in response to a ¼ inch of product being discovered in the northwest monitoring well, the well closest to the dispensers. This discharge is eligible for FPLRIP and a site assessment has not been completed. It appears that the contamination noted on the April 7, 1999 DRF and April 20, 1999 Closure report is a "rediscovery" of the contamination documented in the August 13, 1993 DRF. The April 7, 1999 DRF will not be entered into PCT.

LELP

cc: Michael Bland, FDEP-BPSS

CLOSURE ASSESSMENT REPORT DISPENSER PAN UPGRADE

FACILITY ID 098503076 HOMOSASSA FINA 3951 SOUTH SUNCOAST BOULEVARD HOMOSASSA, FLORIDA

Prepared for: J & J Equipment Company Brooksville, Florida

Prepared by: Creative Environmental Solutions, Inc. Brooksville, Florida

April 20, 1999

This closure assessment report for the dispenser pan upgrades at Facility ID 098503076 (Homosassa Fina), located at 3951 South SunCoast Blvd., Homosassa, Florida, has been reviewed by George K. Foster of Creative Environmental Solutions, Inc. (CES), Brooksville, Florida, and appears to comply with the current standards and practices in the field of geology in the State of Florida. CES's professional services have been performed using the degree of care and skill ordinarily exercised under similar circumstances by other professionals practicing in this field. The certification of geologic work contained herein applies only to the original sealed document(s), and specifically does not pertain to any copies of this document or any portion thereof including mylars, linen, sepia or other materials which can be changed by the entity or entities with whom such document(s) are filed. No other warranty, expressed or implied, is made as to the professional advice in this report.

Date of signature

George K. Foster, PG 403 President/Principal CES

INTRODUCTION

The Homosassa Fina is located at 3951 South SunCoast Boulevard in Homosassa, Citrus County, Florida. For purposes of storage tank registration, the facility has been assigned ID 098503076. A location map and site plan are attached. This closure assessment was for the three unleaded gasoline dispensers and the diesel dispenser on the west side of the store building. Dispenser pans were placed under all four dispensers and the system was returned to service.

According to FDEP officials in Tampa, the site has previously documented contamination and is enrolled in the PLIRP cleanup program. FDEP reported that the site received a score of 6 based on site conditions.

IDENTIFICATION OF CONTRACTORS

J and J Equipment Company of Brooksville, Florida conducted all construction activities. This Closure Assessment was conducted by Creative Environmental Solutions, Inc. of Brooksville.

SUMMARY OF CLOSURE ASSESSMENT PROCEDURES

All assessment activities were conducted on March 29, 1999. After the dispensers were removed and before the new dispenser pans were installed, soil borings were advanced to depths of a least 4 ft beneath each dispenser. Soil samples were collected from each boring at one foot intervals and screened in the field for organic vapor concentrations with an organic vapor analyzer. No soil samples were returned to the laboratory for testing. No groundwater samples were collected.

RESULTS OF ASSESSMENT

Strong soil vapors were encountered in all of the soil borings from grade to the top of the water table. Saturated soil was found in the boring beneath the diesel dispenser. The water table is present beneath the site at a depth of approximately 4 ft. The soil screening results are attached. The highest OVA reading obtained was 1,000+ ppm.

CONCLUSIONS

The closure assessment demonstrated that the soil and groundwater have been impacted. Additional assessment is warranted for this site. Site No. 25 Island Foods #518 (Shell) 3900 S. Suncoast Boulevard (US 19 and 8th Street) Homosassa, Florida FDEP I.D. No. 098503163

FLORIDA	ce Bldg. • 2600 Blair Division of Bureau of Petr	of Environmento Stone Road • Tallahas Waste Management oleum Storage Syste Compliance Insp	see, Eurida 32399-2400 ms		æ5
Facility ID 503163 Facility Name ISCAND 6	County OS	CITKUS	Inspection Date Facility Type	7 7	2001
Latitude DS 48 19" Check box to identify type of inspection performed.	Longitude 82		L/L Method 🖌	7-GPS # ATSs	<u> </u>
Provide Lat/Long Determination Method. ("Map", ' Provide the count of USTs and/or ASTs reviewed du	'AGPS" (Magellan),	"GGPS" (Trimble)).		inspected .	2
Compliance Inspection (Annual)	TCI	Installation Inspec	tion	TIN	
Compliance Inspection (DRF received)	TCDI	Closure Inspection		TXI	
Compliance Inspection (Complaint received)	TCPI	Compliance Re-In		TCR	X
Discharge Evaluation ("short form")	TDI		ilts of the TDI in a Discharge	Project	
"Code" in block below corresponds to the Rule Cite; rej			ta recording of inspection results.		
Rule Cite Description / In	spector's Comm				ode
A R-11	22 VelVe	· has he	en installe.		1
So they	- the tax	K interst	ire can be		
clecked	for lu	Ruid Mon	chly		
		<u></u>			
Be So	etle ta	nK Inters	tice (sadd	el	
		•	. ,		
to your	mont	12 Inspec	tion Sleet	<u> </u>	
			· · · · ·		
DIAGSA	5 1 2 0		and in t	a	
piese			next mont		
Visual	check	for this	System to	DOF	4
Financial Responsibility - Verify owner's covera	ge. Select Insuranc	e or Other, and provi	de Mechanism, if appropria	te.	
X Insurance Carrier: C.f	T	Effective Date: /	SILON Expiration Date	<u>= W/1/0</u>	·/
Other Coverage meeting federal financial r	esponsibility require	ments. Mechanism:			
None					
	۰ ۰				
Based upon the inspection results and informati Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	Yes	O No O	CWOE - Compliance with		
		700 -			
CITRUS ENVIRONMENTAL	HEALTY	552-52	1-5275.		
Storage Tank Program Office		Storage Tank Program	Office Phone Number		
C. MARK SUMMER	· · · · · · · · ·	15HEDHER Failer	F. DANIELS		
Inspector Name - Please Print		Facility Representative	rivame - rivase rrint		
V/lalo Semi	119/01	Konken	a Khanila		
Inspector Signature & Date	4-4-1	Facility Represen	tative Signature & Date		
Inspector Signature & Date		racinty represen	Lauve Dignature & Date		

Page	of



Department of Environmental Protection

Jeb Bush Governor Twin Towers Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

June 18, 2002

Mr. Eugene E. Ray Handex of Florida 111 Kelsey Lane, Suite E Tampa, Florida 33619-

Subject: <u>Natural Attenuation Monitoring Plan Approval-Site Assessment Approval</u> Island Food Store #518 3900 South Suncoast Blvd. Homosassa Springs, Citrus County FDEP Facility ID# 098503163

Dear Mr. Ray:

The Bureau of Petroleum Storage Systems has completed the review of the Site Assessment Report and Natural Attenuation Monitoring Plan dated May 15, 2002, received May 17, 2002, and the Site Assessment Reports dated October 10, 1991, December 8, 2000, January 8, 2001, July 25, 2001, and February 12, 2002, submitted for the discharge discovered on October 22, 1984 at this site. We found all the documents submitted to date to be adequate to meet the site assessment requirements of Rule 62-770.600, Florida Administrative Code (F.A.C.). Pursuant to Rule 62-770.690, Florida Administrative Code (F.A.C.), the Department of Environmental Protection (Department) approves the Natural Attenuation Monitoring Plan.

The monitoring wells to be sampled, the sampling parameters, and the sampling frequency for the one year are as follows:

Monitoring Wells	Contaminants of Concern	Frequency
MW-1, MW-2, MW-3 and MW-8	BTEX, MTBE, & PAHs	Quarterly

The approved Remedial Action by Natural Attenuation monitoring period is one year. The sampling frequency will be evaluated following the submittal of the annual report to determine whether additional sampling may be appropriate.

If concentrations of contaminants of concern in any of the designated wells increase above the action levels listed below, a verbal authorization request should be submitted to the Department so the well or wells can be resampled no later than 30 days after the initial positive results are known. If the results of the resampling confirm the initial sampling results, then a verbal

"More Protection, Less Process" Visit Our Internet Site At: www.dep.state.fl.us/waste/catagories/pcp/default.htm Printed on recycled paper. Mr. Eugene Ray June 18, 2002 Page two

authorization request to prepare a summary report, which includes a proposal as described in Rule 62-770.690(7)(f) F.A.C., should be submitted to the Department.

Contaminated wells:

MW's-1, 2, & 3: 400 μ g/l Naphthalene; default Natural Attenuation Monitoring levels for all other constituents per Chapter 62-777 F.A.C.,

Perimeter Well:

MW-8: Cleanup Target Levels

If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are met during the monitoring period (for at least the last two sampling events), the final deliverable report will serve as the Site Rehabilitation Completion Report required in Rule 62-770.690(8), F.A.C. Please note, the method detection limits for Carcinogenic Polycyclic Aromatic Hydrocarbons must be at or below cleanup target levels prior to site rehabilitation. If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are not met following one year of monitoring, then the final deliverable report should include a recommendation for the next course of action, as described in Rule 62-770.690(7)(g), F.A.C.

Please send a copy of the approved SAR document to Ken Weber of the Southwest Florida Water Management District within 30 days of receiving this approval letter.

The FDEP Facility Number for this site is 098503163. Please use this identification on all future correspondence with the Department.

If you should have any questions concerning the review or the needed proposal, please contact me at 850-877-1133 ext. 27 or at the letterhead address, Mail Station 4590, or by E-mail at mzorn@ene.com.

Sincerely,

Marlall. Tom

Marla K. Zorn Site Manager Ecology & Environment, Inc.Petroleum Cleanup Section 6 Bureau of Petroleum Storage Systems

Rebecca Marx FDEP Section Leader Petroleum Cleanup Section 6 Bureau of Petroleum Storage Systems

Mr. Eugene Ray June 18, 2002 Page three

Reviewed by: William, Newmyer, P.G.

Professional Geologist Ecology & Environment, Inc. Petroleum Cleanup Section 6 Bureau of Petroleum Storage Systems

0 Date

/mkz

cc: Robin Ryan, Island Food Stores LTD, 9551 Baymeadows Road #1, Jacksonville, Florida 32256

File



May 15 2002

Ms. Marla Zorn Florida Department of Environmental Protection Petroleum Cleanup Section 6, Mail Station 4590 2600 Blair Stone Road Tallahassee, Florida 32399-2400

MAY 2 0 2002 Ecology & Erstonmeit

TEAM 6

Reference:

General Site Assessment Report Island Food Store # 518 3900 South Suncoast Boulevard, Homosassa Springs, Florida FDEP Facility ID No.: 098503163 Handex No: 122034.004 Work Order No: 2002-96-1300

Dear Ms. Zorn:

Handex of Florida, Inc. (Handex) is pleased to provide you with this report of the work completed at the above referenced site under the pre-approval work order 2002-96-1300. A copy of the workorder is included in **Appendix A**.

GROUNDWATER SAMPLING

On April 25, 2002, groundwater samples were collected from monitoring wells MW-1 through MW-10 and DW-1 and were delivered to Xenco Labs of Tampa, Florida for analysis. The groundwater samples collected from each well were analyzed for EPA Method 8021 (BTEX + MTBE) parameters and the groundwater samples collected from MW-1, MW-2, MW-5, MW-8, and DW-1 were also analyzed for EPA Method 8310 (PAHs) parameters. The groundwater sample collected from MW-2 was also analyzed for FL PRO, as requested. The monitoring well locations are depicted on Figure 1.

The groundwater sampling event was conducted in accordance with Handex's approved Comprehensive Quality Assurance Plan on file with the FDEP in Tallahassee, Florida. The analytical results from this recent sampling event and recent historical groundwater analytical data are summarized on **Table 1** and are depicted on **Figure 2**. A copy of the groundwater laboratory analytical report for the sampling event conducted on April 25, 2002 is included in **Appendix B** and the field groundwater sampling forms are included in **Appendix C**.

As shown on **Table 1** and depicted on **Figure 2**, concentrations of benzene, 1-methylnaphthalene, and 2-methyl-naphthalene above the applicable Chapter 62-777, F.A.C., Table 1 Groundwater Cleanup Target Levels (GCTLs) for these constituents were recently detected in Ms. Marla Zom Island Food Store #518 General SA Report May 15, 2002

the groundwater sample collected from monitoring well MW-2. The remaining groundwater sampled collected on April 25, 2002 did not reveal hydrocarbon concentrations above the applicable Chapter 62-777, F.A.C., Table 1 GCTLs.

GROUNDWATER FLOW DIRECTION

On April 25, 2002, depth-to-groundwater measurements were collected from the sampled wells only. The groundwater data collected on April 25, 2002 are summarized on **Table 2** and were used to construct a groundwater elevation contour map (Figure 3). As depicted on Figure 3, the groundwater flow direction of the surficial aquifer was calculated to be in general a westerly direction beneath the site on April 25, 2002. The westerly groundwater flow direction is consistent with the previous flow direction documented beneath this site in November of 2001.

RESULTS & RECOMMENDATION

As summarized on **Table 1** and depicted on **Figure 2**, the petroleum hydrocarbon concentrations have, for the most part, shown a decreasing trend across the Island Food Store #518 site. Based on the groundwater data presented in this report, Handex recommends the implementation of a quarterly groundwater monitoring program at this location for a period of one year. Handex proposes to sample MW-1 and MW-3 for 8021 (BTEX + MTBE) parameters and MW-2 for 8021 (BTEX + MTBE) and 8310 (PAHs) parameters during each of the four proposed quarters.

If these recommendations are agreeable with the FDEP, Handex will generate a cost proposal to conduct the proposed scope of work. If you have any questions regarding the information contained in this report or require additional information, please do not hesitate to contact the undersigned at (813) 626-4646.

Respectfully submitted, HANDEX OF FLORIDA, INC.

wind Eugene Ray

Project Hydrogeologist

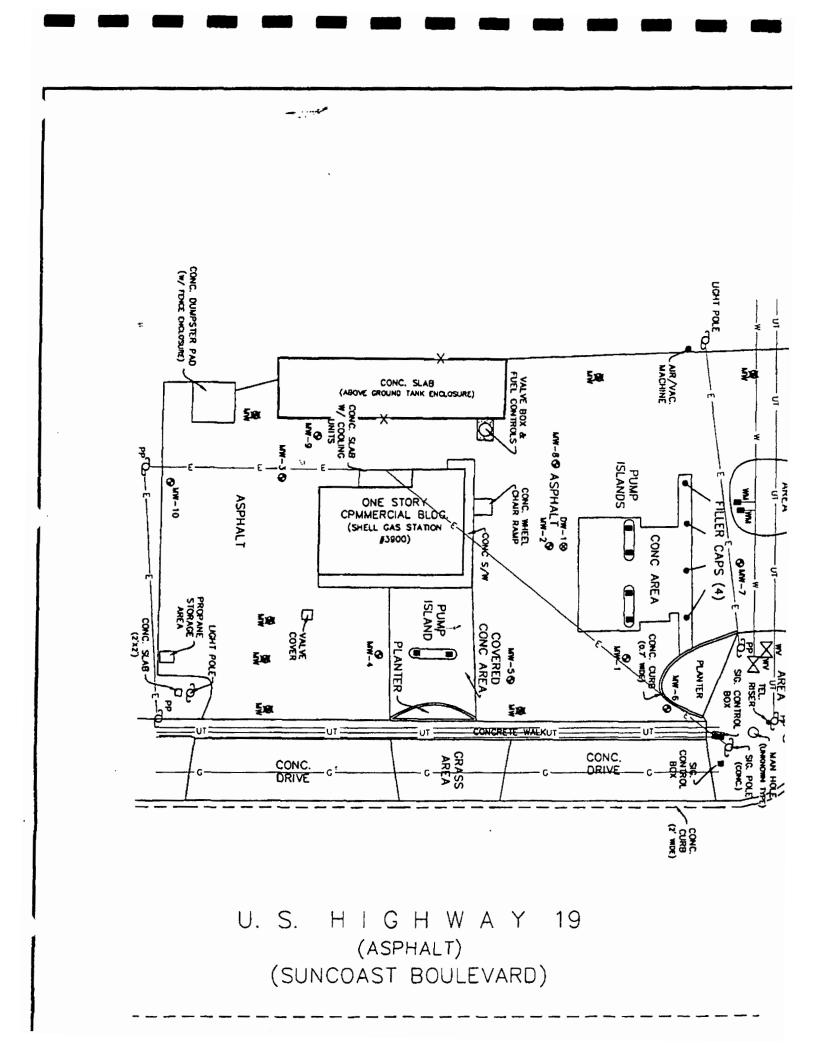
c Rede

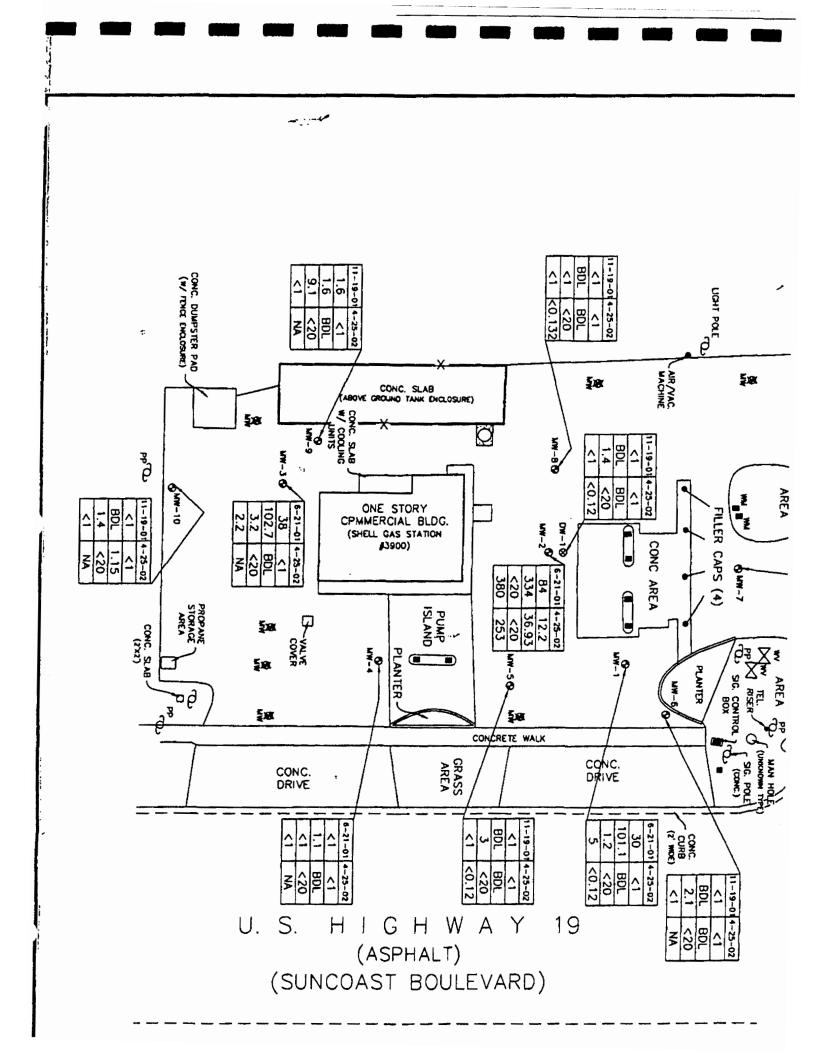
Barry Reda, P.G. # 2060 Project Manager

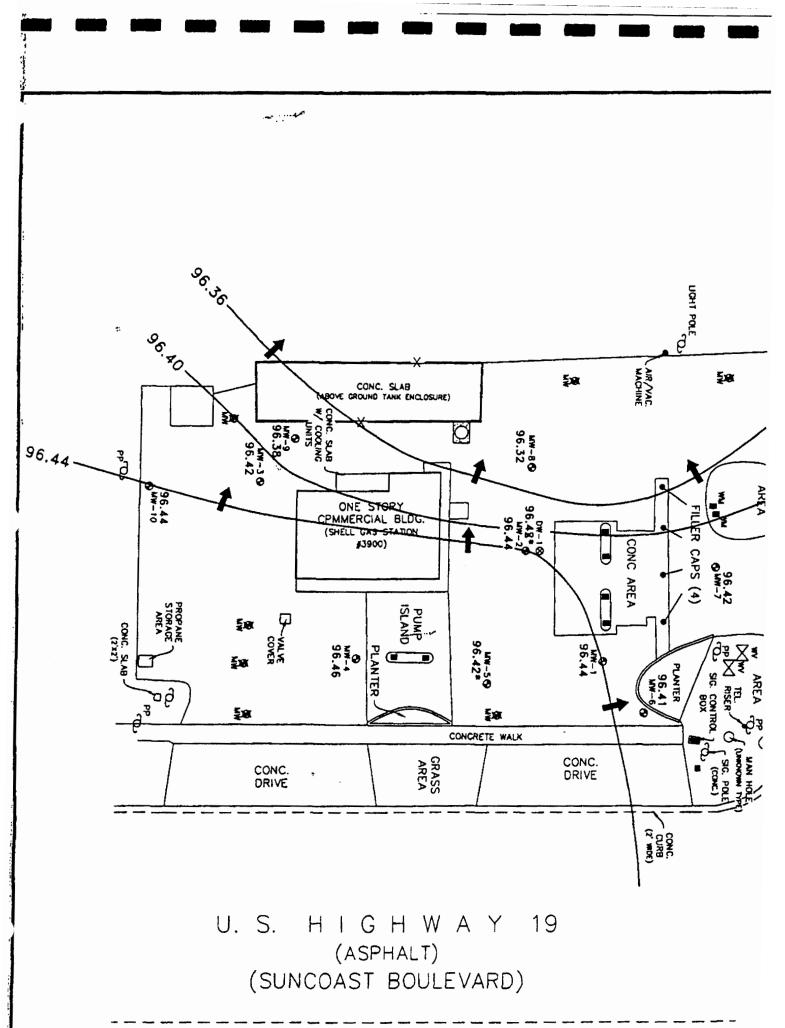
cc:

Mark Contos, Island Food Stores, Inc., 4315 Pablo Oaks Court, Suite 2, Jacksonville, Florida 32224









TABLES

Florida Department of Environmental Protection Bureau of Waste Cleanup - Pre-Approval Program

٩

TABLE 1 - GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Site Name: Island Food Store #518 Site Address: 3900 S. Suncoast Boulevard Homosassa Springs, Florida

FacIlity ID #: Handex Project #:

98503163 122034.004

2-Mathul El DBA Tata Tata	le (mg/l) Lead	NA NA NA NA	NA NA NA NA	NA NA NA			NA NA NA NA	NA NA NA	NA NA NA	NA NA NA	27 011 <5 28	12 NA NA I	270 6 5 140	115 3.74 NA BDL	<1.5 1.4 12 BDL	NA NA NA NA		NA NA	5 15				
4. Mathul. 7.	8	NA	NA	NA	NA	2	NA	NA	AA	NA	NA	AN	AN	1 7 1	<0.12	170	104	<1.5	NA	<1 E	NA	20	
	Naphthalene	NA	NA	NA	KI V		AN	NA	NA	NA	AN	NA	NA	2	<0.12	380	253	2.2	AN	Ţ	NA	20	
ł	EDB	AN	NA	AA	VN	Ę	AN	AN	AN	AN	NA	AN	AN	0.060	NA	0.28	AN	0.064	AN	NA	AN	0.02	
ŀ	MTBE	<20	~	2.3	Ē	5	⊽	v	с	8.1	4.2	2	2.6	6 7	<20	<20	<20	3.2	<20	V	<20	50	
1 100	BTEX	1285	68.1	21.4	0 6 1 1	17.3	BDL	BDL	BDL	BDL	BOL	BDL	BOL	101 1	BDL	334	36.93	102.7	BDL	*	BOL		
	Xylenes	28	4	4.2	0		₹	v	Ŷ	v	<1	4	4	19.4	BDL	51	1.83	14.2	BDL	4 4	BOL	20	
Ethich T	Benzene	1200	38	14	Ĭ	,	Ţ	Ŷ	¥	₹	<1	4	<1	70	₹ ₹	68	22.9	2.5	۲.	v	v	30	
-	Toluene	<20	2.1	⊽		-	v	v	⊽	⊽	5	4	4	56	35	110	v	48	Ŷ	7	; . .	40	
ŀ	Benzene	5	21	3.2			v	₹	Ţ	۲.	4	4	⊽	00	s₽	84	12.2	38	v	7	, îv	-	
F	Date	5/10/01	5/10/01	5/10/01	ELANINA	100010	5/10/01	5/10/01	5/10/01	5/10/01	5/10/01	5/10/01	5/10/01	E104104	04/25/02	6/21/01	04/25/02	6/21/01	04/25/02	E/21/04	04125/02		
Comp.	Location	⊢	SB-3	SB-5	Ħ	+-	SB-13	SB-15	SB-17	SB-19	SB-21	SB-23	SB-25	NAIA! 4	+	MW-2	MW-2	MW-3	MW-3	V IVIN	T	1-	

BDL = All components contributing to the summed value were below their respective detection limits

Total BTEX = Sum of benzene, toluene, ethylbenzene, and total xylenes

Total PAHs = Total of all EPA Method 610 constituents excluding Naphthalene and 1 + 2-Methylnaphthalene GCLTs = Chapter 62-777, F.A.C., Table I, Groundwater Cleanup Target Levels EDB = Ethylene Dibromide or 1,2-dibromoethane FL PRO = Total Recoverable Petroleum Hydrocarbons

EOB = Ethylene Dibromide NA ≈ Parameter Not Analyzed MTBE = Methyl-tert-butyl-ether

Page 1 of 2

Bureau of Waste Cleanup - Pre-Approval Program Florida Department of Environmental Protection

TABLE 1 - GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Island Food Store #518 3900 S. Suncoast Boulevard Homosassa Springs, Florida Site Name: Site Address:

Handex Project #: Facility ID #:

98503163 122034.004

				_	Г	T	Γ-	—	r	F	Г	Г	Г	F	Г	—			<u> </u>	r
Total PAH	108	BDL		BDL	AA		BDL	AN		BOL	AN	BDL	AN		BOL	AN	BDL	BDL		
Total Lead	NA	NA		AN	NA		AN	NA		NA	NA	AN	AN		AN	AN	NA	NA		15
FL PRO (mg/l)	AN	NA		AN	AN		AN	NA		AN	NA	AN	NA		NA	AN	NA	NA		2
2-Methyl- Naphthalene	<1.5	<0.12		<1.5	AN		<1.5	NA		<1.5	<0.132	<1.5	NA		<1.5	NA	<1.5	<0.12		20
1-Methyl- Naphthalene	<1.5	<0.12		<1.5	AN		<1.5	NA		<1.5	<0.132	<1.5	AN		<1.5	NA	<1.5	<0.12		20
Naphthalene	<1	<0.12		4	NA		<1	NA		<1	<0.132	<1	AN		4	AN	1>	<0.12		20
EDB	<0.010	NA		<0.010	NA		<0.010	NA		<0.010	NA	<0.010	NA		<0.010	NA	<0.010	NA		0.02
MTBE	3.0	<20		2.1	<20		1.5	<20		₽!	<20	9.1	<20.		1.0	<20	1.4	<20		20
Total BTEX	BDL	BDL		BOL	BDL		BOL	BDL		BDL	BOL	1.6	BDL		BDL	1.15	BDL	BDL		
Total Xylenes	BDL	BDL		BDL	BDL		BOL	BOL		BDL	BOL	BDL	BDL		BDL	BDL	 BDL	BDL		20
Ethyl- Benzene	۲	£		£	4		₹	÷		<u>۲</u>	۲.	¥	د1		٢	£	٠ ۲	V		30
Toluene	⊽	⊽		v	Ŷ		v	⊽		¥	Ŷ	۰ ۲	Ţ		41	1.15	⊽	v		40
Benzene	۲	v	ļ	۲	₽		•	£		¥	۲	1.6	₹		4	₹	v	۲		•
Date	11/19/01	04/25/02		11/19/01	04/25/02		11/19/01	04/25/02		11/19/01	04/25/02	11/19/01	04/25/02		11/19/01	04/25/02	11/19/01	4/25/02		
Sample Location	G-WM	WW-5	0.11.1	9-MW	9-WW		7-WM	MW-7		MW-8	MW-8	MW-9	9-WM		MW-10	MW-10	DW-1	DW-1		GCTL

Notes:

Total BTEX = Sum of benzene, tolvene, ethylbenzene, and total xylenes Total PAHs = Total of all EPA Method 610 constituents excluding Naphthalene and 1 + 2-Methylnaphthalene GCLTs = Chapter 62-777, F.A.C., Table I, Groundwater Cleanup Target Levels EDB = Ethylene Dibromide or 1,2-dibromoethane FL PRO = Total Recoverable Petroleum Hydrocarbons All Concentrations in ug/l unless otherwise noted BDL = All components contributing to the summed value were below their respective detection limits

EDB = Ethylene Dibromide NA = Parameter Not Analyzed MTBE = Methyl-tert-butyl-ether

Florida Department of Environmental Protection Bureau of Waste Cleanup-PreApproval Program

•

TABLE 2 - GROUNDWATER ELEVATION TABLE

Site Name: Site Address:

Island Food Store #518 3900 South Suncoast Blvd. Homosassa, Springs, Florida

Facility ID#: Handex Project #:

098503163 122034.004

WELL NUMBER	1-WM	MW-2	6-WM	MW-4	8-WM
DIAMETER	2-inch	2-inch	2-inch	2-inch	2-inch
WELL DEPTH	12 ft				
SCREEN INT.	2-12 ft				
TOC ELEV (Feet)	100.00	100.42	100.55	100.69	100.26

DATE	TELEV	DTW	НЧТ	ELEV	DTW	LPH	LPH ELEV	DTW	HGJ	ELEV	ELEV DTW LPH	НЧ	ELEV	DTW	HdJ
06/21/2001	95.95	4.05	M	95.99		MN	95.94		MZ	95.97	4.72	MN		z	z
11/19/2001	96.81	3.19	MN	96.84	3.58	ŴN	96.80	3.75	WN	96.83	3.86	MN	96.81	3.45	MN
12/27/2001	96.62	3.38	MN	99.96	3.76	ΣZ	96.62	3.93	ΜN	96.66	4.03	MZ	96.60	3.66	MN
04/25/2002	96.44		WN	96.44	3.98	MN	96.42	4.13	ΨZ	96.46	4.23	MN	96.42	3.84	MN

.

WELL NUMBER		9-MW	╞		7-WM			8-WW			6-WW	F		MW-10	
DIAMETER		2-inch	-		2-inch			2-inch			2-inch			2-inch	
WELL DEPTH		12 ft			12 ft			12 ft			12 ft			12 ft	
SCREEN INT.		2-12 ft			2-12 ft			2-12 ft			2-12 ft			2-12 ft	
TOC ELEV (Feet)		99.80			99.50			100.22			100.48			99.82	
DATE	ELEV	DTW	ГРН	ELEV	TW LEPH ELEV DTW LEPH ELEV DTW LEPH ELEV DTW LEFEV	HdT	ELEV	DTW	Hd	ELEV	DTW	НЫ	ELEV	DTW	НЫ
										-					

DATE	ELEV DT	DTW	W LPH	ELEV	ELEV DTW	LPH	LPH ELEV	DTW LPH ELEV	НЫ	ELEV	DTW LPH	НЧ	ELEV	DTW	ΗЧ
06/21/2001	ī	ī	ź	ī	ž	ī	īz	ī	z	Ī	z	ī	ī	ī	z
11/19/2001	96.77	3.03	WN	95.92	3.58	WN	96.47	3.75	ΜN	96.62	3.86	MN	96.37	3.45	MN
12/27/2001	96.66	3.14	WN	96.62	2.88	WN	96.64	3.58	MN	96.61	3.87	MN	96.61	3.21	WN
04/25/2002	96.41	3.39	ŴN	96.42	3.08	WN	96.32	3.90	WN	96.38	4.10	MN	96.44	3.38	MN
					1										
ELEV = Elevation					LPH = Liquid Phase Hydrocarbons	iquid P	hase H	ydrocar	pons						
DTW = Depth to Water	Vater				TOC = Top of Casing	op of (Casing								
NI = Well Not Installed	alled				NM = Not Measured	ot Meas	sured								

Florida Department of Environmental Protection Bureau of Waste Cleanup-PreApproval Program

TABLE 2 - GROUNDWATER ELEVATION TABLE

Site Name: Site Address:

Island Food Store #518 3900 South Suncoast Blvd. Homosassa, Springs, Florida

 Facility ID#:
 098503163

 Handex Project #:
 122034.004

DIAMETER 2-inch 2-inch WELL DEPTH 29 ft 20 ft SCREEN INT. 24-29 ft 100 22

100		100.24									_			
DATE	ELEV DT	N	Hdl					F	╞	╞	╞	┝		
06/21/2001	ž	ī	ź			T			╞		-			
11/19/2001	96.84	3.38	WN											
12/27/2001	96.63	3.59	MZ											
04/25/2002	96.48		WN			-								
ELEV = Elevation					LPH = Liquid Phase Hydrocarbons	id pinbi	hase Hy	drocar	bons				а -	
DTW = Depth to Water	Vater			•	TOC = T	op of C	asing							
NI = Well Not Installed	alled			-	NM = Not Measured	ot Meas	ured							

Page 2 of 2

APPENDICES

APPENDIX A WORK ORDER

•

Florida Department of Environmental Protection-Division of Waste Management-Bureau of Petroleum Storage Systems

	Petroleum Pi	eapproval Pro	gram Work Ui	der /Z	2034.004
Jork Order Number: 3	2002-96-1300	Cost Center #:	37450404555	/ Category: _	087888 FY 01-02
FDEP Facility ID#:	098503163	Score:	39	Contract #:	PUC - DOI
lite Name:	Island Food Store #5	18		Eligibility:	Priority Score
ddress (Street, City):	3900 South Suncoast	Blvd., Homosassa S	Springs	County:	Citrus
Contractor Name:	Handex of Florida			CID #:	00156
ontractor Address:	111 Kelsey Lane, Suite	e E, Tampa		FEID #:	59-2814845
Contractor Representative:	Eugene E. Ray			Phone #:	(813) 626-4646 ext.
FDEP Site Manager:	Marla K. Zorn			Phone #:	(850)877-1133 ext. 27
leanup Phase:	SA				r
Cleanup Activity:	SSA				received 19
Vork Order Description: (A	ttach Proposal)				rece March C
eference the February 27	2002 Deliverable Revie	w - Proposal Renue	st Letter the March	8 2002 cost r	roposal and noted

eference the February 27, 2002 Deliverable Review - Proposal Request Letter, the March 8, 2002 cost proposal, and noted changes. Groundwater sampling per the attached sampling table . Deliverable will be a General SAR with updated tables.

eriod of Service: Contractor Representative Signature Date	То		ber 26, 2003
inal Deliv.: General / SA Report		Final Due Date:	May 30, 2003
Deliverable 5:		Due Date 5:	
eliverable 4:		Due Date 4:	
Deliverable 3:		Due Date 3:	
Deliverable 2:		Due Date 2:	
eliverable 1:		Due Date 1:	

This WORK ORDER is not in effect until signed by all parties. The FDEP will not pay any amount of this WORK ORDER until the original signed copy has been returned to the FDEP. The FDEP will not pay for any portion of the scope f work that has not been performed as of the date of the invoice.

Performance of this work order shall be governed by the terms of the preapproval umbrella contract (PUC) listed above.

			Date
DEP Site Manager:	: naulal	- Zon	412/02
DEP Manager:	Judit	loo	4/5/07
ost Center Administrate	M: DP	K-+	4/8/01
Contractor Representativ	re: Charle (Ray	
ontractor Representativ	ve:	0	
second contractor signature is	optional)	0	((
DEP Use Only:	Technical Review:	Initials:	Date: 4 2 02
	Fiscal Review:	Initials:	Date: 4212

Florida Department of Envir

intal Protection-Division of Waste Management-Bureau of " Neum Storage Systems

Petroleum Preapproval Program Work Order Template

First Event

-		Petroleum Preapp	proval Program Work Order Template		
_			First Event		
-	Work Order #: 2002-96-1300	FDEP/LP Site Mgr:	Marla K. Zorn	Cost Share Information	ı
	Facility Id #: 098503163	Site Name:	Island Food Store #518	FDEP Share:	100.
	Contractor #: 156	Contractor Name:	Handex of Florida	Applicant/Owner Share:	0.
	Date: 3/26/02	FDEP Contract #:	PUC	Total:	100.

k Description:

-			Number of	Iginal		ange	Template
Template	Comments / Notes	Allowed Cost	ltems	Item Cost	Change Amount	Change Costs	Cos
tion A: Packaged Work Scopes						7	
Pumping Test or Multiphase Pilot Test		\$2,471.99		\$0.00		\$0.00	
VES Pilot Test		\$1,656.06		\$0.00		\$0.00	
Sparging & VES Pilot Test		\$2,576.09		\$0.00		\$0.00	4
Monthly O&M Visit		\$684.72		\$0.00		\$0.00 \$0.00	
ction B: Office Activities, Part 1		Section	A Subtotals:	<u>\$0.00</u>		30.00	9
Proposal Preparation		\$443.32	T I	\$443.32		1 \$0.00	\$44
File Review		\$482.26	}	\$0.00	<u> </u>	\$0.00	
Permits		\$604.07		\$0.00		\$0.00	5
Site Health & Safety Plan		\$282.57		\$0.00		\$0.00	\$
		Section	B Subtotals:	\$443.32		\$0.00	<u>\$44</u>
ction C: Field Activities						•	
Mobilization (2 persons)		\$672.67	1	\$672.67		\$0.00	\$67
Mobilization (1 person)		\$361.82		\$0.00		\$0.00	\$
Dritting Setup (w/ utility clearance)		\$460.05		\$0.00		\$0.00	\$
SB tor Soil Screening (< 10 (t)		\$188.38		\$0.00		\$0.00	\$
SB for Soil Screening (> 10 ft to < 30 ft)		\$282.56		\$0.00		\$0.00	\$
SB for Soil Screening (> 30 ft)		\$376.75		\$0.00		\$0.00	\$
Well Install (< 20 ft)		\$392.50		\$0.00		\$0.00	\$
Well Install (> 20 ft to < 40 ft)		\$588.75		\$0.00		\$0.00	\$
Well Install (> 40 ft)				\$0.00		\$0.00	\$
Well Install, double cased (< 40 ft)		\$1,177.50		\$0.00		\$0.00	\$
Well Install, multiple cased (> 40 lt)				\$0.00		\$0.00	50
Recovery Well Install (< 40 ft)		\$785.00		\$0.00		\$0.00	\$4
Recovery Well Install (> 40 ft)				\$0.00		\$0.00	\$0
Air Sparging Well Install (< 40 ft)		\$294.38		\$0.00		\$0.00	\$(
Soil VE Well Install (< 40 ft)		\$196.25		\$0.00		\$0.00	\$0 \$0
AS and/or VE Well Install (> 40 ft)		[]		\$0.00		\$0.00 \$0.00	54 54
Well Abandonment (per well)		\$71.37		\$0.00 \$0.00		\$0.00	54 5(
Recovery Well Abandonment (per well) Well Sampling (per well)		\$190.71 \$189.26	11	\$2,081.86		\$0.00	\$2,08°
		\$189.20	!	\$2,081.88		\$0.00	\$2,00 \$(
Water Level Only (per well not sampled) Slug Testing (per well, w/analysis)		\$525.45	······································	\$0.00		\$0.00	\$4 \$(
Area Survey		\$785.00		\$0.00		\$0.00	ŝ
# People		\$705.00	L	00.00	Total person-days		•
/2 Day Oversight		\$457.65		\$0.00		\$0.00	\$4
Whole Day Oversight		\$915.30		\$0.00		\$0.00	\$(
		Section C	Subtotals:	\$2,754.53		<u>\$0.00</u>	\$2.75
tion C1: Free Product Field Activities							
Piezometer Install (< 10 ft)		\$192.85		\$0.00		\$0.00	\$(
Piezometer Install (> 10 ft lo < 20 ft)		\$289.28		\$0.00		\$0.00	\$(
Piezometer Install (> 20 ft to < 40 ft)		\$385.70		\$0.00		\$0.00	\$(
Piezometer Install (> 40 ft)				\$0.00		\$0.00	5(
Welt or Free Product Gauging (per well)		\$15.98		\$0.00		\$0.00	\$(
Free Product Gauging & Bailing (per well)		\$94.02		\$0.00		\$0.00	\$(
Piezometer Abandonment		\$94.02	Cubtotolou	\$0.00		\$0.00	\$(\$(
ion D: Other Field Work		Section C1	Subiolais:	<u>\$0.00</u>		<u>\$0.00</u>	. £ (
Dther Field Work				\$0.00		\$0.00	\$C
Diher Field Work				\$0.00		\$0.00	ŝ
		Section D	Subtotals:	\$0.00 [\$0.00	ŝ
ion E: Other Equip. Rental Cost(s)						1	2
Other Equipment				\$0.00		\$0.00	\$(
Other Equipment				\$0.00		\$0.00	\$0
		Section E		\$0.00		\$0.00	<u>\$</u> C

Florida Department of Envi Intal Protection-Division of Waste Management-Bureau of

pleum Storage Systems

Petroleum Preapproval Program Work Order Template

First Event

	First Event							
-	Work Order #: 2002-96-1300	Facility Id #: 098503163	Site Name	Island Food	Store #518		- Date:	3/26/02
				0	riginal	Cł	lange	
	Template	Comments / Notes	Allowed Cos	Number of	Item Cost	Change Amount	Change Costs	Template T Cost
on F	F: In-house Service Cost(s)			_				
	ratory]	\$0.00		\$0.00	\$C
Drillin	•			4	\$0.00		\$0.00	\$C
	Push			4	\$0.00		\$0.00	\$C
	truction		J	4	\$0.00		\$0.00	\$C
Dther	T		L]	\$0.00		\$0.00	\$C
	Cubecologica Cost(a)	Sub Markup = 10.00%		m F Subtotals:	<u>\$0.00</u>		<u>\$0.00</u>	<u>\$(</u>
Labor	a: Subcontractor Cost(s)	Xenco Labs	Unit Cost \$1,392.50		\$1,531.75	Do not include marku	\$0.00	£1 601
Labor	•	Aeroo Cabs	\$1,392.50	┨┠┦	\$1,531.75		\$0.00	\$1,531 \$C
_	atory			1	\$0.00		\$0.00	\$C
Aobile				1 1	\$0.00		\$0.00	ŝĉ
Drillin			1		\$0.00		\$0.00	\$0
Direct	•			1	\$0.00		\$0.00	\$0
Const	ruction			1	\$0.00		\$0.00	\$C
lon-C	Capital Equip, and/or Materials		_]	\$0.00		\$0.00	\$C
Dispo	sal				\$0.00		\$0.00	\$C
Other					\$0.00		\$0.00	\$C
			Section	n G Subtotals:	\$1,531.75		\$0.00	\$1,531
	i1: Remedial System Purchase			•		Do not include marku	2	
	diation System Costs			1	\$0.00		\$0.00	\$0
PACF	Remediation System Costs		L	}	\$0.00		\$0.00	\$0
			Remedial Syst	em Subtotals:	<u>\$0.00</u>		<u>\$0.00</u>	<u>\$0</u>
	: Office Activities, Part II	Find March and Market						
_	al / SA Report	Field Work X Multiplier	£000 F7		6000 FT	Field Work =	\$0.00	
	Nork Costs (Secs A - D) = / NPDES Report	\$3,197.85 20%	\$639.57		\$639.57		\$0.00	\$639
	Duarterly Report		\$233.42 \$1,360.78	 	\$0.00		\$0.00	\$0
-	Annual Report		\$2,510.86		\$0.00 \$0.00		\$0.00 \$0.00	\$0 \$0
	tial Action Plan (gw or soil)		\$11,862.12		\$0.00		\$0.00	\$0 \$0
	dial Action Plan (gw & soil)		\$13,294.78		\$0.00	}	\$0.00	\$0 \$0
	LSRAP or RAP Modification		\$1,158.59		\$0.00		\$0.00	\$0
evel 2	LSRAP or RAP Modification		\$2,268.29		\$0.00		\$0.00	\$0
evel 3	LSRAP or RAP Modification		\$4,024.27		\$0.00		\$0.00	\$0
evel 4	RAP Modification		\$6,647.39		\$0.00		\$0.00	\$0
	t Drawings (P.E. red lined)		\$510.87		\$0.00		\$0.00	\$0
	uction Drawings and Specs		\$2,809.98		\$0.00		\$0.00	\$0
	ckage Solicitation/Evaluation		\$1,585.06		\$0.00		\$0.00	\$0
	ntup Report (w/as-builts)		\$1,062.71		\$0.00		\$0.00	\$0
	Natural Attenuation Plan		\$893.02		\$0.00		\$0.00	\$0
	Natural Attenuation Plan with Mod		\$2,619.47		\$0.00		\$0.00	\$0
	Post RA Monitoring Quarterly Repo	л	\$438.35		\$0.00		\$0.00	\$0
	Post RA Semi-Annual Report NA or Post RA Monitoring Annual	Panad	\$893.02	J	\$0.00		\$0.00	\$0
	NA Monitoring Annual Report	nepon	\$1,095.21 \$1,810.74		\$0.00 \$0.00		\$0.00 \$0.00	\$0 \$0
	pandonment Report		\$202.19		\$0.00		\$0.00	\$0 \$0.
	lap & Table Generation		\$1,540.66	}{	\$0.00	[[\$0.00	\$0.
				H Subtotals:	<u>\$639.57</u>	L	<u>\$0.00</u>	\$639.
	Deliverabl	es						
	the second s	Deliverable / Documentation	1					
	Deliverable		i _		This Ev	ent Template	Totals	
Delive	erable Information (Specify only i	selected for this event)	Γ			Original	Change	Total
		General / SA Report			Event Total:	\$5,369.17	\$0.00	\$5,369.
Et- al D								

Deliverable Informatio	a /Specify on	by H colocial for this	(trant)
Final Deliverable #	m (specily on	•	•
	1	General / SA Repo	ж л
Final Deliverable Due	5/15/02		
d of Service to:	11/11/02		
Cumulative V	Nork Order To	tals (less Retainage	e)
Invoice	Previous	This Event	Total

Invoice	Previous	This Event	Total
Events	n/a	\$4,729.60	\$4,729.60
emedial Systems	n/a	\$0.00	\$0.00
rinal Deliverable	n/a	\$639.57	\$639.57
Retainage	n/a	\$0.00	\$0.00
Order Total		\$5,369.17	\$5,369.17

	This Ev	ent l'emplate	l otals	
		Original	Change	Total
E	vent Total:	\$5,369.17	\$0.00	\$5,369.
Subtotal (less	retainage):	\$5,369.17	\$0.00	\$5,369.
Retainage:	0%	\$0.00	\$0.00	\$0.

This Event Tem	plate invoice Totals	(less Retainage)	
Invoice	Original	Change	Total
# 1 1st Event	\$4,729.60	\$0.00	\$4,729.
# 7 Remedial Systems	\$0.00	\$0.00	\$0.
# 8 Final Deliverable	\$639.57	\$0.00	\$639.
# 9 Retainage	\$0.00	\$0.00	\$0.
Event Template Total	\$5,369.17	\$0.00	\$5,369.

Petroleum Preapproval Program

;

; ;

7177

.

?

P222

Sampling Parameter Table

Work Order #: 2002-96-1300	2002-96-1300	ĥ	FDEPALP Site Mgr: Maria K. Zorn	Maria K. Zorn					
Contractor #: U965U3163		0	Sile Name: Island Food Slore Contractor Name: Handex of Fiorida	site Name: Island Food Store #518 otor Name: Handex of Florida	#518				
Uate:	3/26/02	.	FDEP Contract #: PUC	PUC					
Groundwater			Analytical Par	ameters (enter	total no. of sa	Analytical Parameters (enter total no. of samples for each method)	method)		
Sample Locations	<u> </u>		BTEX+MTBE, TBA, DIPE,						
	Number of Sampling Events	EPA 8021	ETBE, TAME EPA 8260	PAHs EPA 8310	EDB EPA 504	TAPHs FL-PRO	Lead	KAG/GAG.	<specify Other></specify
Event 1									
MW-1		•			* *******************				
MW-2	-								
MW-3	-	L							
MW-4	-		******						
MW-5	1	1							****
MW-6	1	1							
MW-7	•	1							
MW-8	+	1		-					
MW-9	1	-							
MW-10	-	Ŧ							
DW-1		1	•	-			****		
No. Samples		11	0	5	0	ļ	0	0	0
Cost per Sample		\$60.00	\$150.00	\$127.50	\$0.00	. \$95.00	\$0.00	\$0.00	\$0 [.] 00
Subtotal		\$660.00	\$0.00	\$637.50	\$0.00	\$95.00	\$0.00	\$0.00	\$0.00

Total Laboratory Cost:

\$1,392.50

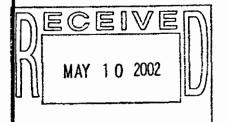
• • }

APPENDIX B GROUNDWATER ANALYTICAL

ł

Analytical Report 222290

for



HANDEX of Florida

Project Manager: Gene Ray ISLAND FOOD STORE 518 122634.004.03040.UPA

08-MAY-02



Ph:(813) 620-2000 Fax:(813) 620-2033 2618 South Falkenburg, Riverview, FL 33569

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



08-MAY-02

Project Manager: Gene Ray HANDEX of Florida 111 Kelsey Lane, Suite "E" Tampa, FL 33619

Reference: XENCO Report No: 222290 ISLAND FOOD STORE 518 Project Address: HOMOSASSA

Gene Ray :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Chain of Custody Numbered 222290. All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with a Laboratory ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 222290 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Steven Tafuni Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

XGNGUN

Certificate of Analysis Summary 222290

HANDEX of Florida, Tampa, FL Project Name: ISLAND FOOD STORE 518

> Project ID: 122634.004.03040.UPA Contact: Gene Ray

Project Location: HOMOSASSA

Quote Number: Fax Number: 813-626-1898

Date Received in Lab: Fri Apr-26-02 07:06 AM Report Date: 08-MAY-02

Project Manager: Steven S. Tafuni

	Lab ID :	222290-001	222290-002	222290-003	222290-004	222290-005	222290-006
Andhicie Damatad	Field ID :	I-WM	MW-2	MW-3	MW-4	MW-5	9-MM
noiconhour ciclinuit	Marriy .						
	Sampled :	WATEK	WATER	WATER	WATER	WATER	WATER
		ALK-22-04 13.03	APR-23-02 11 32	AFR-22-02 10:23	APR-22-04 14:55	APR-23-02 14:13	AFR-62-12 12:22
BTEX-MTBE by EPA 8021	Extracted:	MAY-03-02 23:12	MAY-03-02 23:14	MAY-03-02 23:16	MAY-03-02 23:18	MAY-03-02 23:20	MAY-03-02 23:22
	Analyzed:	MAY-04-02 01:24	MAY-04-02 01:44	MAY-04-02 02:05	MAY-04-02 02:25	MAY-04-02 02:46	MAY-04-02 03:07
	Units:	ng/L	ug/L	ug/L	Jan	ug/L	ug/L
		RL	~			RL	RL
Benzene		00-1 N	12.2 1.00	U 1.00	00.1 U	U 1.00	00.1 <u>0</u> 1.00
Toluene		U 1.00	U 1.00	U 1.00	U 1.00	00 I 00	U 1.00
Ethylbenzene		U 1.00	22.9 1.00	U 1.00	00 I 00	U 1.00	U 1.00
m.p-Xylencs		U 2.00					
o-Xylene		U 1.00	1.83 1.00	U 1.00	U 1.00	U 1.00	U 1.00
MTBE		U 20.0					
Xylenes, Total		Þ	1.83	n	n	n	n
Total BTEX		م ا	36.9	n	n	D	n
FLPRO	Extracted:		APR-26-02 00:00				
	Analyzed:		APR-29-02 18:09				
	Units:		mg/L				
			RL				
FL-PRO Petroleum Hydrocarbons			3.74 0.100				

The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.

Laboratory Manager Steven Tafuni

)

;

l

{

:

ļ

~~~

i

Certificate of Analysis Summary 222290 HANDEX of Florida, Tampa, FL

Project Name: ISLAND FOOD STORE 518

Project ID: 122634.004.03040.UPA

08-MAY-02 Report Date:

Fri Apr-26-02 07:06 AM

Date Received in Lab:

Fax Number: 813-626-1898 Quote Number:

Project Location: HOMOSASSA

Contact: Gene Ray

Steven S. Tafuni Project Manager:

| Analysis Ronnostod      | Lab ID :<br>Fieid ID :<br>Denth : | 222290-001<br>MW-1       | 222290-002<br>MW-2       | 222290-003<br>MW-3       | 222290-004<br>MW-4       | 222290-005<br>MW-5       | 222290-006<br>MW-6       |
|-------------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                         | Matrix :<br>Sampled :             | WATER<br>APR-25-02 13:05 | WATER<br>APR-25-02 11:32 | WATER<br>APR-25-02 10:25 | WATER<br>APR-25-02 14:55 | WATER<br>APR-25-02 14:15 | WATER<br>APR-25-02 12:25 |
| PAHs by EPA 8310        | Extracted:                        | APR-29-02 08:30          | APR-29-02 08:30          |                          |                          | APR-29-02 08:30          |                          |
|                         | Analyzed:                         | APR-29-02 18:30          | MAY-01-02 11:05          |                          |                          | APR-29-02 19:48          |                          |
|                         | Units:                            | ug/L<br>RI               | ug/L                     |                          |                          | ng/L<br>C                |                          |
| Acenaphthene            | ···· ···· ·                       | U 0.110                  |                          |                          | -                        | 0.110<br>U 0.110         |                          |
| Acenaphthylenc          |                                   | U 0.110                  | U 12.1                   |                          |                          | U 0.110                  |                          |
| Anthracene              |                                   | U 0.170                  | U 18.7                   |                          |                          | U 0.170                  |                          |
| Benzo(a)anthracene      |                                   | U 0.096                  | U 10.6                   |                          |                          | U 0.096                  |                          |
| Benzo(a)pyrenc          |                                   | U 0.140                  | U 15.4                   |                          |                          | U 0.140                  |                          |
| Benzo(g,h,i)perylene    |                                   | U 0.260                  | U 28.6                   |                          |                          | U 0.260                  |                          |
| I-Methynaphthalene      |                                   | U 0.120                  | 104 13.2                 |                          |                          | U 0.120                  |                          |
| 2-Methylnaphthalene     |                                   | U 0.120                  | 115 D 66.0               |                          |                          | U 0.120                  |                          |
| Benzo(k)fluoranthene    |                                   | U 0.084                  | U 9.24                   |                          |                          | U 0.084                  |                          |
| Benzo(b)fluoranthene    |                                   | U 0.084                  | U 9.24                   |                          |                          | U 0.084                  |                          |
| Chrysene                |                                   | U 0.130                  | U 14.3                   |                          |                          | U 0.130                  |                          |
| Dibenz(a,h)Anthracene   |                                   | U 0.048                  | U 5.28                   |                          |                          | U 0.048                  |                          |
| Fluoranthene            |                                   | U 0.130                  | U 14.3                   |                          |                          | U 0.130                  |                          |
| Fluorene                |                                   | U 0.150                  | U 16.5                   |                          |                          | U 0.150                  |                          |
| Indeno(1,2,3-c.d)Pyrene |                                   | U 0.140                  | U 15.4                   |                          |                          | U 0.140                  |                          |
| Naphthalene             |                                   | U 0.120                  | 253 D 66.0               |                          |                          | U 0.120                  |                          |

•

i

Laboratory Manager

Steven Tafuni

1

(

XTN 9-1

Certificate of Analysis Summary 222290

HANDEX of Florida, Tampa, FL Project Name: ISLAND FOOD STORE 518

> Project ID: 122634.004.03040.UPA Contact: Gene Ray

Project Location: HOMOSASSA

Quote Number: Fax Number: 813-626-1898

Date Received in Lab: Fri Apr-26-02 07:06 AM Report Date: 08-MAY-02

Project Manager: Steven S. Tafuni

|                    | Lab ID :              | 222290-001      | 222290-002      | 222290-003      | 222290-004      | 222290-005      | 222290-006      |
|--------------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Analysis Requested | Field ID :<br>Depth : | I-WM            | MW-2            | c-wM            | MW-4            | MW-5            | 9-MW            |
| •                  | Matrix :              | WATER           | WATER           | WATER           | WATER           | WATER           | WATER           |
|                    | Sampled :             | APR-25-02 13:05 | APR-25-02 11:32 | APR-25-02 10:25 | APR-25-02 14:55 | APR-25-02 14:15 | APR-25-02 12:25 |
| PAHs by EPA 8310   | Extracted:            | APR-29-02 08:30 | APR-29-02 08:30 |                 |                 | APR-29-02 08:30 |                 |
|                    | Analyzed:             | APR-29-02 18:30 | MAY-01-02 11:05 |                 |                 | APR-29-02 19:48 | -               |
|                    | Units:                | J/8n            | ug/L            |                 |                 | ug/L            |                 |
|                    |                       | RL              | RL              |                 |                 | RL              |                 |
| Phenanthrene       |                       | U 0.100         | U 11.0          |                 | •               | U 0.100         |                 |
| Pyrenc             |                       | U 0.120         | U 13.2          |                 |                 | U 0.120         |                 |
|                    |                       |                 |                 |                 |                 |                 |                 |

The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.

Laboratory Manager Steven Tafuni

• • •

i

۱

ł

: ;

;

~~~

ż

XENGO Laboratories



HANDEX of Florida, Tampa, FL Project Name: ISLAND FOOD STORE 518

> Project ID: 122634.004.03040.UPA Contact: Gene Ray

Project Location: HOMOSASSA

Quote Number:

Fax Number: 813-626-1898

Report Date: 08-MAY-02 Project Manager: Steven S. Tafuni

Fri Apr-26-02 07:06 AM

Date Received in Lab:

	Lab ID : Field ID :	222290-007 MW-7	222290-008	222290-009	222290-010	222290-011	
Analysis Requested	Depth :			6- 11 M			
	Matrix :	WATER	WATER	WATER	WATER	WATER	
	Sampled :	APR-25-02 13:20	APR-25-02 11:50	APR-25-02 11:00	APR-25-02 09:45	APR-25-02 12:20	
BTEX-MTBE by EPA 8021	Extracted:	MAY-03-02 23:26	MAY-03-02 23:28	MAY-03-02 23:30	MAY-03-02 23:32	MAY-03-02 23:34	
	Analyzed:	MAY-04-02 04:08	MAY-04-02 04:29	MAY-04-02 04:50	MAY-04-02 05:10	MAY-04-02 05:31	
	Units:	ug/L	ug/L	ug/L	ug/L	ug/L	
		RL	RL	RL	RL	RL	
Benzene	l	U 1.00	. ח	n 	U 1.00	0 1.00	
Toluene		U 1.00	U 1.00	U 1.00	1.15 1.00	U 1.00	
Ethylbenzene		U 1.00	U 1.00	U 1.00	U 1.00	U 1.00	
m.p-Xylenes		U 2.00	U 2.00	U 2.00	U 2.00	U 2.00	
o-Xylene		0 1.00	U 1.00	U 1.00	00'I N	00'I N	
MTBE		U 20.0	U 20.0	U 20.0	U 20.0	U 20.0	
Xylenes, Total		n	n	n	n	n	
Total BTEX		n	n	n	1.15	n	

The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.

•

i

Laboratory Manager Steven Tafuni

XGNGU

Project ID: 122634.004.03040.UPA

Project Location: HOMOSASSA

Quote Number:

Contact: Gene Ray

Certificate of Analysis Summary 22290 HANDEX of Florida, Tampa, FL Project Name: ISLAND FOOD STORE 518 Date Received in Lab: Fri Apr-26-02 07:06 AM Report Date: 08-MAY-02 Project Manager: Steven S. Tafuni

Analysis Dogustad	Lab ID : Field ID : Danth :	222290-007 MW-7	222290-008 MW-8	222290-009 MW-9	222290-010 MW-10	222290-011 DW-1	
vinition veducing	Matrix : Sampled :	WATER APR-25-02 13:20	WATER APR-25-02 11:50	WATER APR-25-02 11:00	WATER APR-25-02 09:45	WATER APR-25-02 12:20	
PAHs by EPA 8310	Extracted:		APR-29-02 08:30			APR-29-02 08:30	
	Analyzed:		APR-29-02 20:28			APR-29-02 21:07	
	Units:		ng/L			ng/L	
			RL			RL .	
Accuaphthene			U 0.121				
Accuaphthylene			U 0.121			U 0.110	
Anthracene			U 0.187			U 0.170	
Benzo(a)anthracene		nantina na sa a na sa na s	U 0.106			U 0.096	
Benzo(a)pyrene			U 0.154			U 0.140	
Benzo(g,h,i)perylene			U 0.286			U 0.260	
I-Methynaphthalene			U 0.132			U 0.120	
2-Methylnaphthalene			U 0.132			U 0.120	
Benzo(k)fluoranthene			U 0.092			U 0.084	
Benzo(b)fluoranthene			U 0.092			U 0.084	
Chrysene			U 0.143			U 0.130	
Dibenz(a,h)Anthracene			U 0.053			U 0.048	
Fluoranthene			U 0.143			U 0.130	
Fluorene			U 0.165			U 0.150	
Indeno(1,2,3-c,d)Pyrene			U 0.154			U 0.140	
Naphthalene			U 0.132			U 0.120	

The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.

1

...,

i

Steven Tafuni Laboratory Manager

XENG . Laboratories

Certificate of Analysis Summary 222290

HANDEX of Florida, Tampa, FL Project Name: ISLAND FOOD STORE 518

> Project ID: 122634.004.03040.UPA Contact: Gene Ray Project Location: HOMOSASSA

Quote Number: Fax Number: 813-626-1898

Date Received in Lab: Fri Apr-26-02 07:06 AM Report Date: 08-MAY-02

Project Manager: Steven S. Tafuni

	Lab ID :	222290-007	222290-008	222290-009	222290-010	22290-011	
Analysis Requested	Field ID : Depth :	MW-7	8-WM	6-MW	01-WW	I-MQ	
•	Matrix :	WATER	WATER	WATER	WATER	WATER	
	Sampled :	APR-25-02 13:20	APR-25-02 11:50	APR-25-02 11:00	APR-25-02 09:45	APR-25-02 12:20	
PAHs by EPA 8310	Extracted:		APR-29-02 08:30			APR-29-02 08:30	
	Analyzed:		APR-29-02 20:28			APR-29-02 21:07	
	Units:		ng/L			ug/L	
			RL			RL	
Phenanthrene			U 0.110	•		U 0.100	
Pyrene			U 0.132			U 0.120	

The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.

Laboratory Manager Steven Tafuni

XANGO Aborntories

BS / BSD Recoveries

Project Name: ISLAND FOOD STORE 518

Work Order #: 222290

Flag Project ID: 122634.004.03040.UPA Control Limits %RPD 53 3 25 25 25 3 **BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY** 70-125 71-133 Control Limits %R 70-125 70-125 71-129 71-133 Matrix: Water RPD % 0 2 3 0 m Blk. Spk <u>0</u> 105 601 104 101 107 Dup. Blank Spike Duplicate Result [F] 214 110 105 601 104 5 Spike Added [E] 00 <u>8</u> 001 200 8 00 Blank Spike %R [D] 102 103 107 011 13 901 Blank Spike Result [C] 214 2 <u>6</u> 106 -103 Batch #: Spike Added [B] 001 200 100 100 00 001 Blank Sample Result [A] <20.0 <1.00 <1.00 <1.00 <2.00 <1.00 Sample: 352352-1-BLK **BTEX-MTBE by EPA 8021** Analytes Lab Batch ID: 623665 Units: ug/L Ethylbenzene m.p-Xylenes o-Xylene Benzene olucne MTBE

		Flag	
	Y	Control Limits %RPD	25
/ater	RY STUD	Control Limits %R	65-135
Matrix: Water	RECOVE	RPD %	2
	ICATE	Bik. Spk Dup. %R [G]	84
	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	Blank Spike Duplicate Result [F]	0.836
	STANKS	Spike Added E	1.00
	PIKE / B	Blank Spike %R [D]	78
	(/BLANK S	Blank Spike Result [C]	0.780
Batch #:	BLAN	Spike Added [B]	1.00
LK		Blank Sampte Result [A]	<0.100
Sample: 352174-1-BLK			
Lab Batch ID: 623499	Units: mg/L	FLPRO Analytes	FL-PRO

Rclative Percent Difference RPD = 200°[(D-G)/(D+G) Blank Spike Recovery [D] = 100°(C)/[B] Blank Spike Duplicate Recovery [G] = 100°(F)/[E] All results are based on MDL and Validated for QC Purposes

Page 1 of 2

BS / BSD Recoveries

Project Name: ISLAND FOOD STORE 518

Work Order #: 222290

WURK OLDER +: 222290							Proj	ect ID: 12	2634.004.0	Project ID: 122634.004.03040.UPA	
Lab Batch ID: 623589 Sample: 352214-1-BLK	SLK	Batch #:	-				_	Matrix: Water	/ater		
Units: ug/L		BLANK	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE	PIKE / B	LANK SI	PIKE DUPL		RECOVE	RECOVERY STUDY	۲	
PAHs by EPA 8310	Blank Sample Result [A]	Spike Added IBI	Blank Spike Result	Blank Spike %R	Spike Added [E]	Blank Spike Duplicate	BIk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	년 명 명
Analytes			la	[0]		Result [F]	161				
Acenaphthene	011.0>	0.500	0.463	63	0.500	0.439	88	6	38-146	25	
Acenaphthylene	<0.110	0.500	0.414	83	0.500	0.398	80	4	17-172	25	
Anthracene	<0.170	0.500	0.330	99	0.500	0.312	62	6	37-146	25	
Benzo(a)anthracene	<0.096	0.500	0.478	96	0.500	0.483	26	-	52-169	25	
Benzo(a)pyrene	<0.140	0.500	0.481	96	0.500	0.482	96	0	47-143	25	
Benzo(g,h,i)perylene	<0.260	0.500	0.518	104	0.500	0.587	117	12	16-210	25	
1-Methylnaphthalene	<0.120	0.500	0.480	96	0.500	0.454	16	5	60-130	25	
2-Methylnaphthalene	<0.120	0.500	0.472	94	0.500	0.446	89	5	0E1-09	25	
Benzo(k)fluoranthene	<0.084	0.500	0.470	94	0.500	0.476	95	-	27-176	25	
Benzo(b)fluoranthene	<0.084	0.500	0.478	96	0.500	0.487	67	-	27-176	25	
Chrysene	<0.130	0.500	0.499	100	0.500	0.509	102	2	72-138	25	
Dibenz(a,h)Anthracene	<0.048	0.500	0.485	67	0.500	0.491	98	-	70-134	25	
Fluoranthene	<0.130	0.500	0.491	98	0.500	0.477	95	3	15-152	25	
Fluorene	<0.150	0.500	0,448	60	0.500	0.423	85	9	31-159	25	
Indeno(1,2.3-c.d)Pyrene	<0.140	0.500	0.501	001	0.500	0.523	105	5	S-198	25	
Naphthalene	<0.120	0.500	0.481	96	0.500	0.451	90	6	25-172	25	
Phenanthrene	<0.100	0.500	0.498	100	0.500	0.478	96	4	46-157	25	
Pyrene	<0.120	0.500	0.560	112	0.500	0.543	601	3	28-172	25	

Relative Percent Difference RPD = 200*{(D-G)/(D+G)} Blank Spike Recovery [D] = 100*(C)/[B] Blank Spike Duplicate Recovery [G] = 100*(F)/[E] All results are based on MDL and Validated for QC Purposes

Page 2 of 2

Other (O)
(Dinetin /D)
(し) いいさん いいいじ
Clare Amh (A)
£
į

APPENDIX C GROUNDWATER SAMPLING FORMS

SITE NAME:	<u>با ک</u> تر	mp firm		518		LOCATIO		Ho	vos AFSI	<u>A</u>				
WELL N		MNI		SAMPI	E ID:					1	DATE: 4/25/02			
l		1101			PU	RGING	DATA	1		1				
DIAMET	ER (in):	Z'n	TOTAL DEPT	WELL	12.0		STATIC TO WA			WEL	ACITY (gal/ft):	15		
1 WELL	VOLUME (gal)	= (TOTAL WE	LL DEPTH	- DEPTH	TO WATE					1.000	Corr (gavit).			
		=(12.0 ~	3,56		,44) X	116	=	135					
PURGE	the second se	CORTIC		PURGE INITIATE	D AT:	1235		RGE DED AT	1300		AL VOL. RGED (gal):	6.75		
TIME	VOLUME PURGED (gal)	CUMUL VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pН	TEMP (°C)		DND. nhos)	DISSOLVED OXYGEN (mg/L)	TURBIDIT (NTUs)	COLOR	ODOR		
12.40	1.35	1.35	,27	492	6,56	· 20.9		137	8.86-	- 43	TINTO	moisi		
1245	1.35	2.7	,27	4.87	6.69			733	8.45	81	Lo TAT	10000		
.1250	1.35	4.05	.27	4.86	6.65		_	731	9.02	123	LT TINT	Masset		
1255	1.3 5	5.4	.27	4.90	6.65			129	8.93	105	LTTINT	MODER		
1300	1.35	G.75	.27	4.92	6,00	26.	· ·	730	8.95	340				
	ļ													
			· · · · · · · · · · · · · · · · · · ·					- +			÷-			
							+			+				
÷							1					<u> </u>		
WELL CA	PACITY (Gall	ons per Foot):	0.75* = 0.	02; 1* = 0.0					0.37; 4' = 0.6	5; 5* = 1.02;	6" = 1.47; 12	2" = 5.88		
CANOLO	D BY (PRINT)					PLING I		\		·				
AFFILIAT		ALAMM	1400	/ yano		SAMPLER		\mathcal{R}	Sher	1				
SAMPLIN	- /	PLAB				SAMPLING		130	0	SAMPLING ENDED AT:	1305			
	CONTAMINA	TION: Y	N	FIEL	DFILTER		Y	(N	/	DUPLICATE		(N)		
	SAMPLE CON SPECIFICA		T	SA	MPLE P	RESERVAT	ION				D ANALYSIS			
NO.	MATERIAL T	VOLUME	PRE	SERVATIV		OTAL VOLI		FIN			R METHOD			
8	CODE C40	Yom		USED		ed in fiel	U (mL)	l pł	1508-		··			
Ĩ	AG	1/		<u>10-</u>				<u> </u>	831					
	·													
·														
								L						
									·					
· _														
REMARKS	· · · · · ·													
MATEDIAL			1055-00		CLASS		VETIA		0-07/55					
		G = AMBER G												
HUIE:	ne above	do not con	sinute al	i of the l	norma	cion requ	irea t	by Ch	apter 62-16	0, F.A.C.				

CITE						19	ITE						
SITE NAME:	TSCA,	JD FOO	2	# 51	3		OCATION:	Ho	n o	ASSA	SFI		
WELL	NO:	MWZ		SAMP	le id:						DATE	ATTI	
					Pl	URG	ING DA	ATA					
DIAME	TER (in):	<u>)</u> .`	TOTA			\supset		ATIC DE WATER			WELL CAPAC	ITY (gal/ft):	16
1 WEL	L VOLUME (ga	I) = (TOTAL WE	LL DEPTH	- DEPTH	TOWA	TER)	X WELL C	APACIT				(901.).	10
		=(12,1-	. 3.98		.12)	<u>x `</u>	16	=	1.29			
PURG	bo Peris	TACTIC		INITIATE	DAT:	//	16	PURGE		1130		. VOL. ED (gal).	>
TIME	VOLUME PURGED (gal)		PURGE RATE (gpm)	DEPTH TO WATER (ft)	pł	1	TEMP. (°C)	COND (µmho	· 1. c	SSOLVED DXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1110		(gai) 	$\overline{\Lambda}$	348									
in	2 1.28	1.28	TT	3.99	68	21	JEJ4	1-10		.0 j	1.5	CIEDr	STE
122	4 1.58	2.56		9.00	6.8		28.30	1.1-		×98	:08	<u>``</u>	11
Seri	3128			4.01	6.8		<u>n.94</u>	1.15		• 99	1.1	CIEN	Sila
1136	175	4.28	<u> </u>	4.01	<u>6.</u> 2	2	27.91	1.13	<u>></u>	.99	1.0	Ciex	Strad
						-+					· · · ·		
						-+							
	_												
WELLO	APACITY (Ga	llons per Fool):	0.75* = 0.	02; 1 = 0.			i		= 0.37	7: 4" = 0.65	5; 5*=1.02; 6	= 1.47: 12	?" = 5.88
					SA		ING DA		7		<u></u>		
AFFILIA	ED BY (PRINT		1) AN	Dex			NATURE(S) Ja	0	40	2		
SAMPL		SAB				•	APLING		32		SAMPLING	$ \rightarrow $	
METHO	D(S): (ECONTAMIN/		N C	FIEL	DFILT		IATED AT		<u>52</u> D		ENDED AT: DUPLICATE:	Y	đ
	SAMPLE CO	NTAINER	\leq				SERVATIO		<u> </u>	1			
<u>, , , , , , , , , , , , , , , , , , , </u>	SPECIFIC MATERIAL	ATION VOLUME	PRE	SERVATIV			VOLUM		FINAL	-	INTENDED AND/OR	ANALYSIS METHOD	
NO.	CODE			USED		DDED	IN FIELD		рН	6 -1		· .	
~	<u> </u>	YOML	- 10							1508			
	A G A G	$\left(LT \right)$		COLI						FL F			
	AG	1LT	Hr	504						+ rut			
.													
					-								
			~							ļ			
REMARI	(S [.]									L			
	····									•			
		AG = AMBER G											
NOTE:	The above	e do not con	stitute a	ll of the	inforn	natio	n requir	red by	Chap	ter 62-160). F.A.C.		

SITE NAME:	Ter	and First	D STOR	- <u>5</u> 1	8	SITE LOCATION	: A0	musasa			
WELL		MW3		SAMPL	E ID:					125/02	
L		MW -			PUF	RGING DA	ΑΤΑ				
WELL		24		WELL		ST	ATIC DEPT		WELL		-11
1 WELL	TER (in): VOLUME (gal) = (TOTAL WE	DEPTI	H (ft): - DEPTH	12.0	R) X WELL C	WATER (1 APACITY =			CITY (gal/ft):	316
		=()2.0-			47			25,1 =			
PURGE	De	RSTALTIC				755	PURGE ENDED AT			L VOL.	
METHO	VOLUME	CUMUL	PURGE	DEPTH			Γ	DISSOLVED		ED (gal):	T
TIME	PURGED (gal)	VOLUME PURGED (gal)	RATE (gpm)	TO WATER (fl)	pH	TEMP. (°C)	COND. (µmhos)	OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
959	1.25	1.25	31	4.78	6.77	26.3	1.01	8.5%	10	THATED	masses
1004	1.25	2.5	15.	4.85	6.83		,98	8.81	10	TINTED	ADDER
1004	1.25	3,75	,25	4.82	6.84		,848	9.03	10	71.50	more
1014	1.25	5.0	. 25	4.86	6.82	25.8	, 849	8.90	10	TINTO	moder
1020	1.25	4.25	,20	4.87	6.86	25.7	1823	9,00	10	LT TINT	MUDOR
											
· .									·		
}	·{								· · ·		
WELL C	APACITY (Gal	lons per Foot):	0.75* = 0.	02; 1" = 0.	04; 1.25	= 0.06; 2 =	= 0.16; 3° =	0.37; 4" = 0.6	5; 5° = 1.02; 6	; = 1.47; 12	2" = 5.88
					SAM	PLING D	ATA				
SAMPLE	D BY (PRINT)	/		1		SAMPLER(S)					
SAMPLI		fron un	ory /	HANDE	~~~	SIGNATURE(» <u> </u>	recor	SAMPLING		
METHO	X(S):	GRA	tB'			NITIATEDAT	102	0	ENDED AT:	1025	
FIELD D	ECONTAMINA	TION: Y	· D	FIEL	D-FILTER	ED: Y	Ð		DUPLICATE:	Y	(\mathbf{N})
	SAMPLE CON SPECIFICA			SA	MPLE PF	RESERVATIO	N		INTENDED	ANALYSIS	
NO.	MATERIAL	VOLUME	PRE	SERVATIV		TAL VOLUM				METHOD	
0	CODE Ĉ6	Lome		USED Hec		ED IN FIELD	(mL)pl	508	1	· · · · · · · · · · · · · · · · · · ·	
- 2											
			_								
			_								
											~
DENT											
REMARK	5:										
MATERIA	L CODES: A	G = AMBER G	LASS; CO	G = CLEAR	glass;	PE = POLY	ETHYLENE	O = OTHER	(SPECIFY)		
NOTE:	The above	do not con	stitute al	I of the i	nformat	tion requir	ed by Ch	apter 62-16	0, F.A.C.		

		SCALI	5 700.	D	518	6		SITE LOCATION:	410m	05	ASSA	ST.	ince			
WE	LL NO		Mw4		SAM	PLE ID:						DATEOS	DATE 25. AJIC			
						Pl	JR	GING DA								
		R(in):	400 4 2"	TOTA DEPT	L WELL	2.00	0	ST TO	ATIC DEP WATER (TH N:4	26	WELL CAPAC	ITY (gal/ft):	·1.b		
		OLUME (gal)	= (TOTAL WE		- DEPTI	TOWA		X WELL C	APACITY	2						
	RGE		=(12.* 4	1.23		רך,		// <u>·</u>	PURGE	=	1.24	Ιτοται	VOL			
	THOD			PURGE	INITIAT	ED AT:	10	35	ENDEDA	-	455		ED (gal):	5		
Т	ME	VOLUME PURGED (gal)	CUMUL VOLUME PURGED (gal)	RATE (gpm)	TO WATEF (ft)	1 at	!	TEMP. (°C)	COND. (µmhos)	1. 0	SSOLVED DXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR		
	<u>.35</u>	T:2			4.95						•					
_	140	1.25	1.25		4.27	69		29-43		_	•98	120.0	crowsy	SLIGHT		
	159	1.25	2:50		4.27	69	4	28-73	1835	+	<u>•94</u> •89	114.0	<u> </u>	1.		
	157	1.25	5.00		4.74	64		78.21	·847	—	6	106.0	Class	5164		
		(a)	5.00			_ ver	<u>a</u>	10-4	101	1-	01		<u>y</u>	21014		
			ļ		ļ					ļ						
		PACITY (Gal	ons per Foot):	0.75" = 0	02. 1. = 0	0.04 1.2	25' =	0.06 2 =	0.16 3	= 0.37	7 4" = 0.65	5; 5" = 1.02; 6	• = 1 47· 12	7 = 5.88		
				0.10 - 0.				LING DA				, 0 1.02, 0				
		BY (PRINT)	5				SA	MPLER(S)		$\overline{)}$		0	~			
	ILIATI	<u>t</u>	CB	MA	175	X		GNATURE(s) te	\mathcal{L}						
	APLING THOD(:	-	GAB					MPLING TIATED AT	14	55	5	SAMPLING ENDED AT:				
FIE		CONTAMINA		N C	FIE	LD-FILT	ERE	D: Y	M)	\mathbf{b}		DUPLICATE:	Ϋ́.	B		
	S	AMPLE CON SPECIFICA				SAMPLE	PRE	ESERVATION								
NO	. M	CODE	VOLUME	PRE	PRESERVATIVE TO			DTAL VOLUME FINAL ED IN FIELD (mL) pH			AND/OR METHOD					
	\mathbf{x}	CG	40ml	ł	KI						802	1				
		·									 					
•																
											 					
		†			·											
											[
							_									
REM	ARKS:															
MAT	ERIAL	CODES: A	g = Amber g	LASS; C	G = CLEA	R GLASS	5; F	PE = POLY	ETHYLEN	E; C) = OTHER	(SPECIFY)				
NOT	F. T	be above	do not con	etituto a	lioftha	inform			od by C	hant		EAC				

CITC				~ (ISITE						
SITE	ISLA	ND FO	ap a	518	<u> </u>	LOCATION:	400	n05	ASS	A ST	JULY	
WELL	NO:	MWS		SAMP	l e 1 D:					DATE	ATRIC	
					PU	RGING DA	ATA				•	
DIAM	ETER (in):	$\overline{}$	TOTA DEPT	L WELL H (A):	W.C		ATIC DEPT		84	WELL	ITY (gal/tt).*	16
1 WE	LL VOLUME (at) = (TOTAL WE	LL DEPTH	- DEPTH		ER) X WELL C	APACITY	=			<u>`````</u>	
		=()2.0-7	3.84	TEUROCC	8,16	<u>)x</u> ,)		= 1	. 3		1/0/	
PURC	OD. CAU	NOTOS		PURGE INITIATE	DAT:	355	PURGE ENDED A	T: 1	115	TOTAL PURG	ED (gal):	6
Тімі	E VOLUM PURGEI (gal)		PURGE RATE (gpm)	DEPTH TO WATER (ft)	рН	TEMP. (°C)	COND. (µmhos)	· OX	SOLVED YGEN ng/L)	TURBIDITY (NTUs)	COLOR	ODOR
135	$S \sim$	-		3.84	6.B	3						
140		1.5		3.86	2-D	3 27.65	1.03		99	776	CIONSY	None
140		3.0		386	(0.8)	27.80	1.05		00	41.8	CICUDY	SIGH
	01.5	4.5		2.87	68	3 27.80	1:06		51	39.9	CIONSY	52.4
Jan	31.5	6.0		388	6.83	357:77	1.06		99_	37.2	CLOSY	Silon
		~		 				<u> </u>				
·			·									
WELL	CAPACITY (G	allons per Foot):	0.75* = 0.	02; 1° = 0.				= 0.37;	4" = 0.65	; 5" = 1.02; 6	i = 1,47; 1;	2" = 5.88
SAMP		N/				PLING DA	\sim					
AFFILIATION PETS HANDEX SAMPLER(S) (
SAMP		GATS				SAMPLING	141	$\overline{<}$		SAMPLING ENDED AT:		
	DECONTAMIN		N (S	FIEL	D-FILTE			$\mathbf{\tilde{\mathbf{S}}}$		DUPLICATE:	Y	(N)
	SAMPLE CO					RESERVATIO						
NO.	SPECIFIC MATERIAL	VOLUME	PRE	SERVATIV	ET	OTAL VOLUM	EFI	NAL		INTENDED AND/OR	METHOD	
	CODE			USED	ADD	ED IN FIELD	(mL) p	<u>ж</u>	1508			
	AG	40ml	·	JCL				-+	83 K			
•												
·												
·												
			_	·								
REMAR	RKS:	I										
	141 000CD		1400	0.540	01400	00 - 000			OT ISS	0050100		
MATER	WL CODES:	AG = AMBER G	LASS; CO	S = CLEAR	GLASS;	PE = POLY	EIHYLENE	: 0=	UTHER (SPECIFY)		

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

							SITE					
SIT		ASUM	> FLOD S	BRE_	Sil		LOCATION		panosh	SA		
WE	LNO		mwy		SAMP	le id:				DATE: 4	-25-0	7
1						PUR	GING DA					
DIA	METE	R (in):	2 ۲ = (TOTAL WE	DEPTI	. WELL 1 (ft):	12.5	то	ATIC DEPT	: 3.31	CAPAC	CITY (gaVft):	.11
		ULUME (gai)	-	- 3.34		8.61		16 .	1.37			
PUF					PURGE		1155	PURGE	1: 1224		L VOL.	6.85
MEI	<u> 1100:</u>	VOLUME	CUMUL	PURGE	DEPTH	T	T	1	DISSOLVED	T	ED (gal): \	
וח	NE	PURGED (gal)	VOLUME PURGED (gal)	RATE (gpm)	TO WATER (ft)	рН	TEMP. (°C)	COND. (µmhos)	OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
12	00	1.37	1,37	55	4.65	6.55	2.6	, 788	9.48	110	נדיוד בא	NORE
120	5	1.37	2.74	.17	4,82	6.51	26.5	1796	9.50	48	WT TIMT	NONE
	10	1.37	4.11	.27	4.87	6.52	26.5	.809	9.52	13	LITIM	LONE
	15	1.37	5.41	.27	.4.90	6,51	26.5	, 823	9.45	6		
12	20	1.37	6.81	٢٦٠	4.88	<u>(</u> . 42	260.2	, 830	9.60	43		
'												
<u> </u> -									•			
WEL	L CAP	ACITY (Gall	ions per Foot):	0.75* = 0.0	02; 1' = 0.	04; 1.25*	= 0.06; 2" =	0.16; 3" =	0.37; 4* = 0.6	5; 5° = 1.02; €	5" = 1.47; 12	2" = 5.88
						SAM	LING DA	ATA	<u> </u>			
	PLED	BY (PRINT)			2.		AMPLER(S)			1		
	PLING		Almen M	sop .	149	V4	AMPLING	k	alle	 SAMPLING		
	HOD(S		Gat	JP .		1	ITIATED AT	<u> </u>	0	ENDED AT:	1225	
FIELD		ONTAMINA			FIEL	D-FILTER	ED: Y	(A	>	DUPLICATE:	Y	6
	S	MPLE CON SPECIFICA		10	SA	MPLE PR	ESERVATIO	N		INTENDED	ANALYSIS	
NO.		ATERIAL CODE	VOLUME	PRE	SERVATIV USED		TAL VOLUM D IN FIELD		IAL		METHOD	
. 2		36	Yon (HCL			(inc) p	807	71	·	
-2	15									<u>-</u>		
	1		1									-
		•										
·											•	
	1		<u> </u>									
REMA	PKC.											
REMA	1112.											
MATE	RIAL (CODES: A	G = AMBER G	ASS; CO	G = CLEAR	GLASS;	PE = POLY	ETHYLENE	O = OTHER	(SPECIFY)		
1107												

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

						- 1 -	SITE						
SITE NAME:	TSLAN	D 1500D	#	<u>518</u>			LOCATION:	He	Omo	Sassa	x SP	A كرز 1	
WELL	NO:	Mw7		SAMPI	E ID;						DATE 2	5APTI	<u>ر</u>
					PL	JRO	GING DA				•		
WELL	TER (in):	<u>)</u> ,,	TOTAL DEPTI		3.0	>	ST.	ATIC DE		308	> WELL	ITY (gal/ft):	-16
TWELL	VOLUME (ga	II) = (TOTAL WE	LL DEPTH	- DEPTH			X WELL C	APACIT	Y =				
		=(12.0-	3.08	- 8	,92)X '	16	=	1.42			
PURGE	0. Orus	NDFES		PURGE INITIATE	DAT:	2	∞	PURG				L VOL. ED (gal):	
TIME	VOLUME PURGED (gal)		PURGE RATE (gpm)	DEPTH TO WATER (ft)	рН		TEMP. (°C)	CONE (µmha	, I. C	SSOLVED DXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
300	>		~	308		-			·				
130	1.5	1.5		3.10	68	S	$ \land \rangle$	1691		139	140.0	CIONSY	
1310		30		3.11	6.8		/	1689		2111	56.7	COR	
1212	1.5	4.5		3.10	6.8			.69		·08	31.1	Classy	
133	21.5	6.0	/	3.10	6.6	5		:68	<u> </u>	13	29.6	CINA	
							\sim						
┦┟────											· · · · ·		
WELLC	APACITY (Ga	illons per Foot):	0.75" = 0.	02; 1'' = 0.					3* = 0.37	7; 4° = 0.65	5; 5" = 1.02; 6	6" = 1.47; 12	= 5.88
E CAMPL	ED BY (PRINT	12			54		LING DA		<u>\</u>				-
AFFILIA		PPH0	NA	NDE	X		GNATURE(2	_ \C.	\rightarrow	$\langle \rangle$	
SAMPLI		SAK.			2		MPLING TIATED AT	 	\mathbf{x}		SAMPLING ENDED AT:		,
FIELD D	ECONTAMIN) N	FIEL	D-FILTE				R		DUPLICATE:	Ŷ	Ð
	SAMPLE CO	NTAINER	<u> </u>		MPLE	PRE	SERVATIO			Ţſ			
NO. T	SPECIFIC	VOLUME	PRE	SERVATIV	εŢ	TOT	AL VOLUM	E	FINAL	1	INTENDED AND/OR	METHOD	
		40ml		USED	AD	DEC	DIN FIELD	(mL)	ρН	Gan			
$ \sim $	CG	Yorm (-1-					805	- 		
										1			
											•		
			_										
<u>├</u>									n				
<u>}</u> }													
REMARK	(S:									l			
)											
		AG = AMBER G			-								
INCHE.	1 DP 200V(- uo noi con	SITURE 3		IT OF M	12710		DO DV	i.nani	PL 67-16			

SITE					T	SITE						
NAM	E ALLAN	Vid Froz	STURE	518		LOCATION	: F	our	SASSA	-		
WEL	NO:	VID FLOP MW8		SAMPL	E ID:					DATE: 4	(25/02	<u></u>
1					PUR	GING DA	ATA			•		
	ETER (in):	27	DEPTI		12.0	ТО	ATIC DE	(fl):	3,90	CAPAC	ITY (gal/ft):	116
1 WE	LL VOLUME (ga	al) = (TOTAL WE				-		(=				
PUR	<u> </u>	=(/2.0-	3,90		٢،١)X .		=	1.29	TOTAL	10	
METH	HOD. TER	ISMALTIC		INITIATE	DAT: 1	10	ENDED		1142	PURG	ED (gal):	
ТІМ	E VOLUME PURGE((gal)		PURGE RATE (gpm)	DEPTH TO WATER (fl)	рН	TEMP. (^o C)	COND (µmho:	- I c	SSOLVED DXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
110	5 1.29	0.250	2	4.92	657	29.2	,534	1	8.42	(JJ)	JAN	S. KHT
111		.32		7.42	6.89	29.4	.60-	7	\$,32	190	TAN	SLIGA
1/2				7.02	6.62	29.2	.61		8,27	210	+m	32164
113		and the second division of the second divisio		6,85	7.29	29,1	.50		9.16	_230_	TAN	542648
- 114	12 6.45	16		6.62	7.3	29.2	. 59	2 "	9.23	260	TAL	SLIGH.
_												
										· · · ·		
· ·												
								+				
WELL	CAPACITY (Ga	4 = 0.65	5" = 1.02; 6	* = 1.47; 12	r = 5.88							
				····		LING D	ATA					
		An MUTRA	/ stran	n Def		MPLER(S) GNATURE(S	5) //	Jle	1			
SAMP						MPLING TIATED AT	/L	45	· •	SAMPLING	1150	
	DECONTAMIN	ATION; Y	(N)	FIEL	DFILTERE			5		ENDED AT: DUPLICATE:	<u>7750</u> Y	AN
_	SAMPLE CO		-1			SERVATIO	(2	I			$\mathcal{O}_{\mathcal{O}}$
NO.	SPECIFIC MATERIAL	VOLUME	PRE	SERVATIVI		AL VOLUM		INAL		INTENDED AND/OR		
2	CODE			USED	ADDED	IN FIELD	(mL)	рН	0.2	<u> </u>	<u>.</u>	
<u>-</u> ->	CG	your							802			
} −-′−−	<u>A6</u>	·							05			
	· · · ·											
REMAR	KS.				1							
MATER	AL CODES:	AG = AMBER G	ASS; CO	= CLEAR	GLASS; F	PE = POLYE	ETHYLEN	IE; O	= OTHER (SPECIFY)		

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

...

	SITE	Tau	TO FOUD	STURS	¢18		LOCA		et.	~~~0	SAC	5 A			
٦		ALL NO: MW9 SAMPLE ID.										DATE 4/25/02			
1	PURGING DATA														
ł	WELL	LL TOTAL WELL METER (in): Z., & DEPTH (R):		12.0			STATIC DEPTH TO WATER (ft):			4.10	WELL CAPAC	TY (gal/ft):	ATA		
	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =														
	PURG		= (120 ~			્લ) X		PURC	=		.26	TOTAL	·VOI	
	METH	DD.	PERISTALT CUMUL	T PURGE	DEPTH	D AT:	1035		ENDE			220		ED (gal):	7.52
	TIME PURGED VOL (gai) PUR			RATE (gpm)	TO WATER (ft)	рН		MP. °C)	COND. (µmhos)		DISSOLVED OXYGEN (mg/L)		TURBIDITY (NTUs)	COLOR	ODOR
	1039	1.26	2.52	.31	4.48	6.6			.716		9.11		0	TINITED	SUMT
	1045	3 1.26	3.78	,31	4.95	6.8	·	.5	.5		9.29		0	TINTED	56145
┓	104		5.04	131	5.02	7.0					9.44		10	piners	SLUT
	105		6.3	.31	4.95	0.5 7.5		<u>5.7</u> 7		1561			10	TINTED	52164 52164
┢	165.	> 1.60	7.52			110	1 40	• • (.560		9.66		- 10	TIWIND	Stratt
T															
┛┟															
					• .										
∎Į		CARACITY /C	allons per Foot):	0.751 - 0	02: 11-0	04: 17	5' - 0.06		-0.16:		0.27.	1-06	5" - 1 02 6	- 1 47: 12	a * = 5.88
	VVELL	CAPACITY	alions per Footj.	0.75 = 0.0	02, 1 - 0.			_				4 - 0.00	, 5 - 1.02, 0	- 1.47, 12	- 0.00
٢	SAMPLED BY (PRINT) / SAMPLER(S)														
	AFFILL		Aun Mic		MACH -	24:	SIGNAT		S)	L	N	real			
	SAMPL		61	AB			SAMPLI		r:	10	220		SAMPLING ENDED AT:	1100	
╹	FIELD	DECONTAMIN	ATION:	YIN	FIEL	DFILT	ERED:	Y		N			DUPLICATE:	Ŷ	$(+ \mathbf{b})$
		SAMPLE CO SPECIFIC			SA	MPLE	PRESER	VATIC	ж				INTENDED	ANALYSIS	
	NO.	LAATEDIAL T											AND/OR METHOD		
	2	2 CG Hand HAI						802					1		
											·				
-															
╵┠												~	• <u>•</u> •••••		
$\left \right $							·	· · · -							
						-†					-+	·			
	REMAR	KS:													
	MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)														
ľ	OTE:	The above	e do not cor	nstitute a	ll of the i	nform	ation r	egui	red b	y Ch	apter	62-160), F.A.C.		

						0.70								
SITE NAME	PS1	AND Fre	E STO	rc S	18	LOCATION	4: F	en	LOSASS	ዮ				
WELL						DATE Y/25/02								
PURGING DATA														
	WELL TOTAL WELL DIAMETER (in): 2 ⁻¹ DEPTH (ft):										CAPACITY (gaVft): ,16			
1 WEI	L VOLUME (ga	I) = (TOTAL WE	LL DEPTH	- DEPTH	TO WAT	Z ···· TO WATER (ft): 3 · 38 CAPACITY (gal/ft): ATER) X WELL CAPACITY =								
		=(12.0-	3.38	≈ 8	162) X	.16	=	1.37					
	PURGE PERISTALTIL INIT					ñ20	PURG		939	TOTA PURG	ED (gal):			
Тіме		CUMUL VOLUME PURGED	PURGE RATE (gpm)	DEPTH TO WATER	рН	TEMP	CONI (µmha	ר ו	ISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR		
924	1.37	(gal)		(A) 3,74	6.31	5 24.5	.61	<u> </u>	8,23	509	レデアート	NON		
S27		+ / +		3.78	6.5		,609		8,29	189	KITINT	Nin		
53		1 i	1 1	3.79	6.5		. 6		8.20	51	CLOR	Now		
93			1 1	3.75	Ç.5	9 24.4	- 61		8.22	39	2 LCAR	non		
939	1.37		\setminus /	3.77	6.6	0 24.5	. 61	5	8.2Y		CLEAR	くらん		
┇┝───										·····				
- }														
┫┝────														
WELL	CAPACITY (Ga	llons per Foot):	0.75" = 0.0	02; 1'=0.	04; 1.2	5*= 0.06; 2	= 0.16;	3" = 0.3	7: 4' = 0.65	; 5° = 1.02; 6	5" = 1.47; 12	* = 5.88		
SAMPLING DATA														
AFFILI	SAMPLED BY (PRINT)/ AFFILIATION Ahar munity hanty SIGNATURE(S) SIGNATURE(S) SAMPLING USAMPLING													
SAMPL		GRAD	5		{	SAMPLING INITIATED A	T: 4	140		SAMPLING ENDED AT:	945			
FIELD	DECONTAMIN		· N	FIEL	D-FILTE	RED:	Y (DUPLICATE:	Y	D		
	SAMPLE CO			SA	MPLE F	PRESERVATI	ON		1					
NO.	MO MATERIAL VOLUME PRESERVATIVE TOTAL VOLUME FINAL AND/OR METHOD													
2	CODE C6	DED IN FIELD	/(mc)	рН	8	2021								
		yone		Heu		•					·			
						·····					·			
	•													
·														
						<u>.</u>			1					
					_									
REMAR	KS:						I		1					
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY) NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.														
NUTE	: The above	e do not con	stitute al	ll of the i	ntorm	ation requ	ired by	Chap	ter 62-160), F.A.C.				

									1 1				
SITE	= IXA	ND FRO	Q	= S18	3	SITE LOCATION:	140	mos	550	<	RIG	5	
WELL	NO:	DWI					DATE	DATE 25 A DAIC					
					PUF	rging da	ATA				•		
DIAM	ETER (in):	2*	LWELL H (ft):	WELL CAPACITY =					CAPACITY (gal/ft): + 16				
1 WE	LL VOLUME (9	al) = (TOTAL W				R) X WELL C	APACITY =						
PURC		=(29.0	-3.74		5.24	<u>)x ,</u>]	PURGE	= 4.0		TOTAL	VOL		
	METHOD VOISTALTIC			INITIATE	DAT:	115	ENDED A	T:			ED (gal):	12	
тмп	NME VOLUME CUMUL PURGE PURGED VOLUME RATE (gal) PURGED (gpm) (gal)		DEPTH TO WATER (fl)	TO WATER PH		COND. (µmhos)	DISSOLV OXYGEI (mg/L)		BIDITY Ns)	COLOR	ODOR		
1115				374	L								
	4.0			376	7.14			1.47	5.		CIER	SCIGH	
_	4.0	8.0		212	7.39	न्निम्भ	1899	1.00			1.	.,	
199	0 4.0	10.0		37	7.3	127.46	·846	148	11	·	CLENC	SCIG	
						-							
· · ·		·							_				
WELL	CAPACITY (G	allons per Foot).	0.75* = 0.	02: 1" = 0	NA: 1 25	= 0.06: 2" =	0.16: 3" -	0 37: 4 -	0.65: 5" -	1.02: 6	· ~ 1 47: 12	- 5 88	
	CALINO THE			02, 1 - 0.		PLING DA			0.05, 5 -	1.02, 0	~ 1.47, 12		
	LED BY (PRIN	WK				SAMPLER(S)	\leftarrow	$\frac{1}{2}$					
1		éto	Har	DEX		SIGNATURE(s) tex	21	GD -	\leq			
SAMPI		GTA	B			SAMPLING	122	SAMPI ENDED					
FIELD	DECONTAMIN		P N	FIEL	D-FILTER	ED: Y	M	>	DUPLI	CATE:	Y	N	
	SAMPLE CO SPECIFIC					RESERVATIO					ANALYSIS		
NO.	MATERIAL CODE	VOLUME	SERVATIV USED		DTAL VOLUM		AND/OR METHOD						
3	64	40-1	ł	401				8	021	21			
1	AG ILT							-310	10				
											· .		
		· · · · · · · · · · · · · · · · · · ·				·							
		······		· · · · · · · · · · · · · · · · · · ·							<u>.</u>		
DEtter	10												
REMAR	NO:												
MATER	AL CODES:	AG = AMBER G	SLASS; CO	G = CLEAR	GLASS;	PE = POLY	ETHYLENE	; O = OTH	ER (SPECIF	<u></u>			

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Site No. 26 Texaco #721 3861 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098503124



P.O. BOX 1339 BARTOW, FLORIDA 33831 863-533-3163



January 19, 2000

Mr. C. Mark Sumner Environmental Specialist II Citrus County Health Department Environmental Health Section Storage Tank Inspection Program 3600 West Sovereign Path, Suite 125 Lecanto, FL 34461

Re: Texaco #721 FDEP 8503124 3861 Suncoast Blvd. Homosassa Springs, FL

Dear Mr. Sumner:

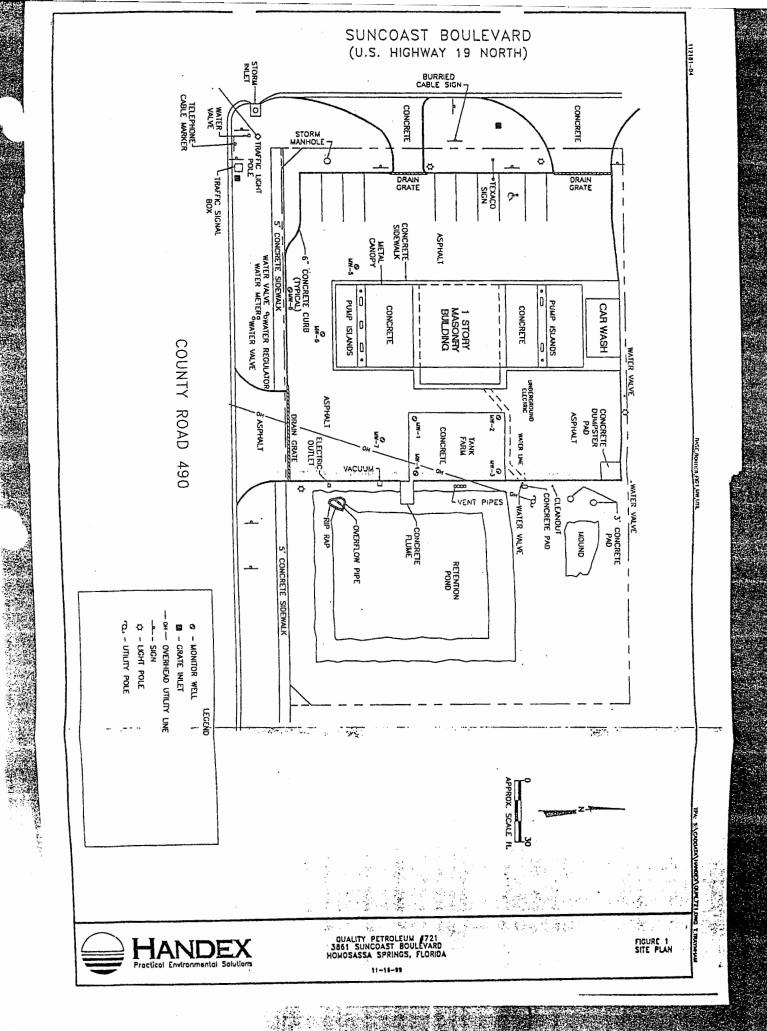
In response to your letter of December 3, 1999 the following is provided:

 Copy of site plan and report from Handex indicating that the monitoring wells might be used for contamination assessment. The wells will be properly closed if they are not utilized for contamination assessment and we will notify you upon completion.

Sincerely,

11

Steve Weeks





S A Mary Case days (1)

November 24, 1999

Mr. Tom Stodd, P.G. Florida Department of Environmental Protection 2600 Blairstone Road Tallahassee, FL

RE: Multi-Phase Extraction Overpurge Letter Report Quality # 721 3861 Suncoast Blvd. Homosassa Springs, Florida FDEP Facility No. 098503124 Work Order No. 2000-00-4067-0 Handex Project No. 112181-04

Dear Mr. Stodd:

Handex of Florida, Inc. (Handex) is pleased to present this report detailing the work completed pursuant to the above referenced work order and subsequent change order, opies of which are included in Appendix A. A site plan is included as Figure 1.

On September 21, 1999, Handex submitted a notice of intent (NOI) (along with the \$100 permit fee) to the Florida Department of Environmental Protection (FDEP) Southwest District to discharge treated groundwater to an adjacent storm sewer at this location. On September 28, 1999, Handex received the NPDES Permit (Permit No. FLG910887) to discharge the groundwater to an adjacent storm sewer at the Quality #721 site. On November 12, 1999, discharge monitoring reports (DMRs) for all days of discharge were submitted to the FDEP. A copy of the NOI, the NPDES permit, and the DMRs are included in Appendix B.

On August 17, 1999, quiescent groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3, MW-6, and MW-8 and were sent to Envirolab Inc., to be analyzed for total lead. This sampling event was conducted to determine if the hydrocarbons on site resulted from a leaded fuel discharge as defined in the NPDES permit guidelines. A copy of the laboratory analytical report is included in Appendix C and copies of the field groundwater sampling forms are included in Appendix D.

As shown on **Table 1** and depicted on Figure 2, the groundwater samples collected from MW-1, MW-2, MW-3, MW-6, and MW-8 on August 17, 1999, revealed low concentrations of total lead. As a result, the effluent stream produced during the overpurge event was not analyzed for total lead.

Mr. Tom Stodd, P.G. Quality # 721 72–Hour Overpurge Report November 24, 1999

Page 2

1 Crnc

1

Jn October 11th, 1999, prior to the initiation of the overpurge event, groundwater samples were collected from MW-6 and MW-8 and sent to Envirolab Inc. to be analyzed for EPA Method 602 (BTEX + MTBE) and EPA 8310 parameters. A copy of the laboratory groundwater analytical report is included in Appendix C. Field groundwater sampling forms are included in Appendix D. The groundwater sampling results from this event and previous sampling events are summarized on Table 1 and Table 1A and depicted on Figure 2.

On October 11th, October 12th, October 13th, and October 14th, 1999. Handex conducted a 72-hour overpurge on monitoring wells MW-6 and MW-8, using multiphase extraction technology. Pumping began at 12:30pm on October 11, 1999, and ended at 12:30pm on October 14, 1999. The recovered groundwater was treated on-site using a skid mounted portable diffuser aerator and carbon polishing. A system influent and effluent sample was collected daily and analyzed for EPA Method 602 (BTEX + MTBE), and 8310 parameters as required by the NPDES Permit No. FLG910887. The effluent stream was also analyzed daily for pH using a field meter. The results of the two system sampling events are summarized on Table 2 and copies of the laboratory analytical reports are included in Appendix C.

The MPX treatment unit operated continuously during this event and the total volume of groundwater treated and discharged to the storm sewer during this test was measured to be 5,920 gallons (Table 3).

On October 27, 1999, groundwater samples were collected from monitoring wells MW-6 and MW-8 and sent to Envirolab Inc., to be analyzed for EPA method 602 (BTEX + MTBE) and 8310 parameters. A copy of the laboratory groundwater analytical report is included in Appendix C and copies of the field groundwater sampling forms are included in Appendix D. The groundwater sampling results from this event and previous sampling events are summarized on Table 1 and Table 1A and depicted on Figure 2.

As depicted on Figure 2, the total volatile aromatic (VOA) concentration at MW-6 increased from 28.4 micrograms per liter (ug/l) on October 11, 1999 to 35.6 ug/l on October 27, 1999. The naphthalene concentration at MW-6 decreased from 200 ug/l on October 11, 1999 to 130 ug/l on October 27, 1999. The VOA concentration at MW-8 remained near below or near the method detection limits during the most recent period of monitoring. The naphthalene concentration at MW-8 decreased from 33 ug/l on October 11, 1999 to <1.0 ug/l on October 27, 1999.

Depths to groundwater were measured in all site monitoring wells during the site visit on October 27, 1999. The groundwater elevation data collected on October 27, 1999, which are summarized on Table 4, were used to construct a groundwater elevation contour map



Mr. Tom Stodd, P.G. Quality # 721 72–Hour Overpurge Report Jovember 24, 1999

Page 3

NUFFIC

(Figure 3). As depicted on Figure 3, the surficial groundwater flow direction was calculated to be in a west/southwest direction beneath the site on October 27, 1999.

As shown on **Table 1**, the dissolved hydrocarbon concentrations at MW-8 are currently below the groundwater target cleanup levels listed in Table I of Chapter 62-777 F.A.C.. The total VOA concentration at MW-6 after the overpurge has remained consistent with the total VOA concentration measured before the implementation of the 72-hour overpurge event. Based on the groundwater data presented in this report, Handex recommends the implementation of a monitoring only program (MOP) for two quarters, as authorized under the existing work-order # 2000-00-4068-0. The hydrocarbon concentrations at MW-6 and MW-8 will be evaluated during the two quarters to determine if the overpurge event was successful at reducing the hydrocarbon concentrations in these wells over the long term.

Handex appreciates the opportunity to assist the FDEP on this project. If you have any questions regarding this sampling event or require additional information, please do not hesitate to contact the undersigned at (813) 626-4646.

Sincerely, HANDEX OF FLORIDA, INC.

Cory Hundrom

Cory Henderson Project Hydrogeologist

cc: Steve Weeks, Quality Petroleum, Inc.

۵

Barry Reda P. G. Project Manager



Site No. 28 Citrus Oldsmobile Pontiac (aka Sunset Oldsmobile) 3029 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098733790



Department of Environmental Protection

jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs Secretary

April 14, 2000

Mr. Paul Weisner Citrus Oldsmobile Pontiac 3029 South Suncoast Blvd. Homosassa, FL 34448

Re: Citrus Oldsmobile Pontiac 3029 South Suncoast Boulevard Homosassa, Citrus County, Florida Facility ID #098733790

Dear Mr. Weisner:

Paul Gruzlovic of the Bureau of Petroleum Storage Systems has reviewed the Site Assessment Report (SAR), dated October 22, 1999 (received November 5, 1999), prepared and submitted by Unified Environmental Services, Inc., for the discharge discovered on December 15, 1998 at this site. The Department has determined that the request for a No Further Action (NFA) status for this site is not appropriate at this time. In order to meet the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.), the following comments need to be addressed:

- (1) Boring logs were not submitted for the soil borings that were completed in the area of the former USTs. The boring logs (OVA readings, lithology, and moisture content listed on the logs) should be submitted to the Department. In addition, the sampling interval was listed as greater than two feet for several of the OVA data presented in Table 1. The actual depths that the OVA readings were collected should be included on the OVA summary table and the boring logs.
- (2) A water sampling log for the groundwater samples obtained from the temporary well in the former gasoline UST area was not submitted with the report. As stated in Rule 62-770.400(2)(c), Florida Administrative Code (F.A.C.), water sampling logs are required to be submitted to the Department

Mr. Paul Weisner Citrus Oldsmobile Pontiac

for each well that is sampled. The water sampling log should be submitted to the Department.

- (3) A site location map (portion of a USGS quadrangle) was not included in the report illustrating the location of the site. A site location map should be submitted to the Department.
- (4) The site plan (Figure 1) was not scaled and the location of soil boring SB-2 appeared to be incorrect. A revised and scaled site plan should be submitted to the Department.
- (5) No site plan was included in the SAR that illustrated the locations of the soil borings and temporary wells completed during the UST closure assessment. Although the UST closure report included in the SAR referred to Figure 1 as the boring and well location map, this figure was not included in the SAR. Figure 1 (UST closure report) should be provided to the Department.
- (6) No explanation was provided in the text of the report, the laboratory report, or the laboratory chain of custody as to how the volatile organic aromatic (VOA) soil samples were collected during the UST closures. It appears the sample collection method utilized for the VOA samples may have been EPA Method 5030 and not EPA Method 5035. The VOA soil samples submitted to the laboratory should have been collected utilizing EPA Method 5035, as stated in the Department's July 15, 1998 memorandum for soil sample collection. Documentation should be provided from the laboratory to show that the samples were collected and analyzed using EPA Method 8021/5035.
- (7) Arsenic was detected above the Department's direct exposure criteria in the waste oil UST soil sample, but was not sampled as part of the August 1999 sampling activities. In addition, the laboratory report for the soil samples collected during the UST closures was incomplete. A complete copy of the laboratory report included in the UST closure report should be provided to the Department.
- (8) The SAR indicated that one potable well was located on-site. A map should have been provided showing the location of the well and any other private potable wells located within 0.25 mile or any public supply potable wells located within 0.5

Mr. Paul Weisner Citrus Oldsmobile Pontiac April 14, 2000 Page 3

mile. A potable well summary table should also have been included in the SAR listing the potable well construction information. A potable well survey map and well construction table should be submitted to the Department.

The direction of groundwater flow was not determined as part of the site assessment activities and no wells were installed downgradient of the two source areas. Before any additional assessment work is completed, Comment's 1 through 8 listed above should be addressed and a response should be submitted to the Department. After reviewing the response, the Department will make a determination as to what specific supplemental site assessment activities will have to be completed before NFA status can be approved for the December 15, 1998 discharge.

Please note, applicable portions of the Site Assessment Report Addendum must be signed and sealed by a registered professional Engineer or a registered Professional Geologist authorized by Chapters 471 or 472, F.S.

Please provide two copies of the results of the supplemental assessment to me within sixty (60) days of receipt of this request.

The Department requests that written notification be provided at least three days prior to performing all future sampling events. If you have any questions concerning this review, please contact me at (813) 744-6100, ext. 427 or Paul Gruzlovic at (850) 921-9036.

Sincerely,

Nachie E. X. Pedrige.

Leslie E.L. Pedigo Environmental Specialist III Tanks Program Division of Waste Management

LELP

cc: Keith McDonald, Unified Environmental Services, Inc. Mark Sumner, Citrus County Health Department Paul Gruzlovic, FDEP-BPSS



Board of County Commissioners Department of Public Safety

285 South Kensington Avenue, Lecanto, Florida 34461

-(352) 726-1606-

------ Fax (352) 726-1001 -----

Mr. Harold Hall 3029 S. Suncoast Blvd. Homosassa, Fl. 34448

Ref: Closure Assessment Report Citrus Oldsmobile Pontiac 3029 S. Suncoast Blvd. Homosassa, Fl. 34448 098733790

Mr. Hall:

The Citrus County Public Safety-Storage Tanks Program has completed its review of the Closure Report dated December, 1998 (received April 26, 1999) submitted by Unified Environmental for the above-referenced facility. The analytical results were found to be in excess of state target levels.

The concentration of contaminants require that a site assessment as defined in Chapter 62-770, Florida Administrative Code, be initiated within thirty days. A Site Assessment Report (SAR) must be prepared and submitted to the Florida Department of Environmental Protection within nine (9) months of date of discovery of contamination. Two copies of the SAR must be sent to Ms. Laurel Culbreth, Florida Department of Environmental Protection 3804 Coconut Palm Dr., Tampa, Fl. 33619-8318.

If this facility may be eligible for restoration coverage under the Florida Petroleum Liability and Restoration Insurance Program (FPLRIP), then the initiation of the SAR may be temporarily postponed until the determination of your eligibility is made. If you are determined to be eligible for FPLRIP, then the Department's Bureau of Petroleum Storage Systems in Tallahassee will provide direction on when to proceed with the SAR. If you are denied eligibility, you will be required to initiate the SAR upon notification of the denial.

If you have any questions, please contact Laurel Culbreth at (813) 744-6100 ext. 414.

Sincerely,

David E. Chronister Environmental Specialist III

STORAGE TANKS PROGRAM 285 S. Kensington Avenue Lecanto, Florida 34461 (352) 726-1400

Site No. 29 Chevron Sprint #6184 (aka Li'l Champ Food Store #184) 2275 S. Suncoast Boulevard

2275 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098503086 EPA I.D. No. FLD984193714



Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

'n.,

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Ms. Sandy Metz Lil' Champ, Inc. Post Office Box 23180 Jacksonville, Florida 32241

DFC D & 2000 Southwest District Tampa

Subject:

Rescission of Site Rehabilitation Completion Order dated March 27, 1995 Lil' Champ #184 2275 Suncoast Boulevard Homosassa, Citrus County FDEP Facility ID# 098503086

Dear Ms. Metz:

The Bureau of Petroleum Storage Systems has reviewed the Summary of Phase II Environmental Assessment Findings Report dated February 1, 1999 (received October 26, 2000), prepared by ECT Consulting & Technology, Inc., and the letter submitted for this site requesting the rescission of the Department's March 27, 1995 Site Rehabilitation Completion Order (SRCO). The data provided in the report indicate that groundwater and soil contamination above the Department's cleanup target levels specified in Chapter 62-770, Florida Administrative Code (F.A.C.), still exist at this site. The Department's March 27, 1999 SRCO provided that "[i]f a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 62-770, F.A.C. It is hereby ordered that the SRCO issued by the Department on March 27, 1995 is rescinded. Therefore, supplemental assessment and/or remediation activities must be completed in order to meet the requirements of Chapter 62-770, F.A.C.

Site conditions indicate that the increase in contaminant concentrations is not due to any subsequent discharge; therefore, further cleanup activities associated with the March 12, 1992 and October 8, 1997 discharges at this site will remain eligible for funding assistance for allowable and reasonable costs under the Pollution Liability Insurance Restoration Program (PLRIP). This site's score is 60, which means that funding is currently available to continue

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

Ms. Sandy Metz Page three of four

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Lil' Champ, Inc., shall mail a copy of the petition to Lil' Champ, Inc. at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S. (1998, Supp.), and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

۶.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth

Rescission of March 27, 1995 Site Rehabilitation Completion Order for Lil' Champ #184, 2275 Suncoast Boulevard, Homosassa, Citrus County, DEP Facility #098503086

I hereby certify that in my professional judgment, the components of this request for the rescission of the March 27, 1995 Site Rehabilitation Completion Order satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in the Summary of Phase II Environmental Assessment Findings Report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

 \times I personally completed this review.

____ This review was conducted by xxxxxx, working under my direct supervision.

í....

7NO Michael J. B. Professional Geologist A. Petroleum Cleanup Section 4 STAIL A. Storight Stail Storight Storight Stail Storight Storight Storight Stail Storight Stor 1326 5 STATE OF ō



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

DEC

2000

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Ms. Sandy Metz Lil' Champ, Inc. Post Office Box 23180 Jacksonville, Florida 32241

Subject:

Rescission of Site Rehabilitation Completion Order dated March 27, 1995 Lil' Champ #184 2275 Suncoast Boulevard Homosassa, Citrus County FDEP Facility ID# 098503086

Dear Ms. Metz:

The Bureau of Petroleum Storage Systems has reviewed the Summary of Phase II Environmental Assessment Findings Report dated February 1, 1999 (received October 26, 2000), prepared by ECT Consulting & Technology, Inc., and the letter submitted for this site requesting the rescission of the Department's March 27, 1995 Site Rehabilitation Completion Order (SRCO). The data provided in the report indicate that groundwater and soil contamination above the Department's cleanup target levels specified in Chapter 62-770, Florida Administrative Code (F.A.C.), still exist at this site. The Department's March 27, 1999 SRCO provided that "[i]f a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 62-770, F.A.C. It is hereby ordered that the SRCO issued by the Department on March 27, 1995 is rescinded. Therefore, supplemental assessment and/or remediation activities must be completed in order to meet the requirements of Chapter 62-770, F.A.C.

Site conditions indicate that the increase in contaminant concentrations is not due to any subsequent discharge; therefore, further cleanup activities associated with the March 12, 1992 and October 8, 1997 discharges at this site will remain eligible for funding assistance for allowable and reasonable costs under the Pollution Liability Insurance Restoration Program (PLRIP). This site's score is 60, which means that funding is currently available to continue

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

RESCSRCO.DOC

Printed on recycled paper.

rev 03/99

Ms. Sandy Metz Page two of four

cleanup activities at this time. Please complete the attached Contractor Designation Form if one has not already been submitted and return it to Leila Shuffler at the letterhead address, Mail Station 4540 so that cleanup activities can proceed.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about the Phase II Environmental Assessment Findings Report you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following:

1. File a petition for administrative hearing with the Department's Office of General Counsel within 21 days of receipt of this Order;

OR

2. File a request for an extension of time to file a petition for hearing with the Department's Office of General Counsel within 21 days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Please be advised that mediation of this decision pursuant to Section 120.573, Florida Statutes (F.S.), is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Lil' Champ, Inc., shall mail a copy of the request to Lil' Champ, Inc. at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made. How to File a Petition for Administrative Hearing

RESCSRCO.DOC

!:

i.

۱.

Ι.

Ms. Sandy Metz Page three of four

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Lil' Champ, Inc., shall mail a copy of the petition to Lil' Champ, Inc. at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S. (1998, Supp.), and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth

RESCERCO DOC

nev 03/99

Ms. Sandy Metz Page four of four

Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

The FDEP Facility Number for this site is 098503086. Please use this identification on all future correspondence with the Department.

Ouestions

Any questions regarding the Department's review of your Phase II Environmental Assessment Findings Report should be directed to Michael J. Bland at (850) 921-9024. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 488-9314. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

·<u>.</u>.

Sincerely, Michael E. Ashey, Chief

Bureau of Petroleum Storage Systems

MEA/mjb

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

12-4-2000 Date Clerk

(or Deputy Clerk)

c: Theresa Fischer, ECT, 4110 Southpoint Drive, Jacksonville, Florida 32216 Leslie Pedigo, FDEP Southwest District Office

RESCSRCO.DOC

P.G. CERTIFICATION

Rescission of March 27, 1995 Site Rehabilitation Completion Order for Lil' Champ #184, 2275 Suncoast Boulevard, Homosassa, Citrus County, DEP Facility #098503086

I hereby certify that in my professional judgment, the components of this request for the rescission of the March 27, 1995 Site Rehabilitation Completion Order satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in the Summary of Phase II Environmental Assessment Findings Report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

I personally completed this review.

This review was conducted by xxxxxx, working under my direct supervision.

Ъ., AND Michael J. D. Professional Geologisti Ague Petroleum Cleanup Section 4 STAIL Petroleum Cleanup Section 4 STAIL A.S. SJONAL NO. 1326 GIS STATE OF 0

CHOOSE YOUR INDUSTRY

244,28 (N) (* 12,572

Lubricants / Automotive

yyesian / Wasikonahar Chamh ol Kenniso

Lube Cube*

Lube Cube[®] Oil Tanks: The best solution for storage of new and used lubrication oils. Lube Cube tanks have provided reliable storage of flammable and combustible liquids for more than 10 years.

Lube Cubes Offer:

- · lower installed costs than underground tanks,
- better space utilization than cylindrical aboveground tanks
- lower operating costs than 55 gallon drums
- Rectangular shape allows up to 20% more storage volume in a given space than comparable cylindrical tanks

Lube Cubes are designed for easy and convenient installation:

- (specifi drav (instai dime
- jinins var

- Abost 151 • Kopig 2012
- Alexandra
 Elevativa

upe Cui

- 199893 • 1999
- Name de

- Indoors
- In service bays
- Basements
- Outdoors next to buildings

All tanks are UL 142 listed and meet fire code requirements, including NFPA 30, for flammable and combustible liquid storage

Lube Cubes are available:

- As either single or double-wall tanks (Double-wall tanks are UL listed as integral secondary containment and therefore do not require dikes for leak containment.)
- · Available nationally, from seven manufacturing facilities
- Standard sizes from 60 to 20,000 gallons

Standard Features:

- UL 142 listed
- Skid mounted for easy installation
- · Shop primed exterior
- NPT fittings with PVC plugs
- Single-wall 5 (plus emergency vent opening)
- Double-wall above fittings (plus emergency vent and inspection opening)
- Lifting lugs

Options:

- Industrial epoxy coating (red standard)
- Special colors, coatings and interior linings available upon request
- Seven (7) gallon spill box
- Custom sizes
- Stainless steel construction
- Interior coatings
- Equipment packages
- Compartments available
- Custom dimensions and equipment packages available upon request

[Chemical | Water / Wastewater | Petroleum | Lubricants / Automotive | Service | Contact Us | Home

Copyright © 1999 Containment Solutions, Inc.



b Bush ernor Department of Environmental Protection

Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struns

Petroleum Preapproval Program

CONTRACTOR DESIGNATION FORM

This Contractor Designation supersedes all previous designations for this site made by the Real Property Owner or Responsible Party whose signature appears below.

* Please read this entire form carefully. It contains important information regarding the cleanup of your site. This is a two-page form. Be sure to review and complete both pages.

- 1 The Florida Department of Environmental Protection (Department) is required by statute to preapprove the scope of work and cost for the cleanup of a petroleum contaminated site if state funds will be used to pay for that cleanup (Section 376.30711(1)(b), Florida Statutes (F.S.)).
- The Real Property Owner or Responsible Party must use this form to designate a contractor that meets certain criteria (Sections 376.30711(2)(b)-(c), F.S.) for the Department to work with on their site. In addition, if the Department should coordinate its actions with your representative, you can use this form to designate such an
- 3. If the Real Property Owner is not the person responsible for completing the cleanup, then the Responsible Party should complete this form and submit it along with a copy of the legal agreement that details their cleanup
- 4. Please fill out this form completely and carefully. The form will be returned if there is any omission, error or correction in any of the required information, including the notary portion of the form. This will delay the cleanup of
- 5. The Real Property Owner or Responsible Party may designate a new contractor at any time. However, this may also create a delay in the cleanup of your site. Also, the Real Property Owner or Responsible Party may be liable for payment for any work that the new contractor must perform in order to assume the site cleanup if the Department previously paid for such work. If a new contractor is designated, then any work in progress will be completed by the contractor to whom the work was awarded unless that contractor is being replaced for documented poor performance or it voluntarily agrees (in writing) to forgo the remaining work. A new designation does not take effect until this completed form is accepted and approved by the Department.
- 6. Pursuant to Florida Law, "It is unlawful for a site owner or operator, or his or her designee, to receive any remuneration, in cash or in kind, directly or indirectly, from a rehabilitation contractor performing site cleanup activities..." under the preapproval program (Section 376.30711(6) F.S.)
- 7. Please return the form with original signatures (copies cannot be accepted) to Mail Station 4540 in the Bureau of Petroleum Storage Systems at the letterhead address. If this form is not returned within 30 days or should you choose not to return it, then we will assume that you do not intend to designate a contractor or an alternative point of contact. If you choose not to designate a contractor, the Department will select one for you. If you have any questions, please call (850) 487-3299. Thank you for your cooperation.

Part 1- Real Property Owner/Responsible Party Identification (all information is required):

	FDEP Facility ID#: 098503086
	Name of Real Property Owner or Responsible Party: The Pantry, Inc.
	Please Indicate (see paragraph 3 above): Real Property Owner _ Responsible Party _
	Street Address of Real Property 2275 S. Sunccast Blvd. Homosassa, FL 34448
	Current Business Name (if any): <u>LIL CHAMP # 6184 dba Sprint (#184)</u>
	Mailing Address for Real Property Owner or Responsible Party Identified in Part 1.b
•	30 Western Way, Suite 4 Jacksonville, FL 32256
	tn. Ms. Sandy Metz Phone: (904)464-7274
	Poge 1 of 2
	"Protect, Conserve and Manage Florida's Environment and Natural Resources"
	Visit Our Internet Site At: www.dep.state.fl.us/dwm/bureaus/bpss.htm

Florida Department of Environmental Protection -- Division of Waste Management -- Bureau of Petroleum Storage Systems:

CONTRACTOR DESIGNATION FORM (continued)

This is page two of a two-page form. Be sure to review and complete both pages.

Please read this entire form carefully. It contains important information regarding the cleanup of your site. *

rart 2 - Contractor Designation (all information is required):

÷

List the name, address and contact person for the firm you wish to designate to perform the necessary cleanup of petroleum contamination at the facility listed in Part 1.

a. Contractor Name:	Environmental Cor	sulting & Technology
b. Contractor Address:	3701 NW 98th St.	
	Galnesville, FL 32	606
c. Contact Person at Contractor:		Pam McElroy
d. Phone Number for C	ontact Person:	(352) 332-0444

Part 3 - Real Property Owner or Responsible Party Designated Contact (this information is optional)

Use this section to designate an alternative point of contact to act on behalf of the person named in Part 1.b. This person will serve as your representative regarding the cleanup of your site and receive all further notices on your behalf. Do not list the contact person for the contractor. If you do not wish to designate an alternative point of contact, then leave this part blank.

a. Contact Name:	Ms. Sandy Metz
b. Contact Address:	8930 Western Way, Suite 4
	Jacksonville, FL 32256
c. Contact Phone:	(904)464-7274
d Relationship of Cont	act to Real Property Owner or Responsible Party: #Error

Part 4 – Certification by Real Property Owner or Responsible Party (all information is required):

This part must be signed in the presence of a notary public.

By signing belowe you are certifying that you have read and understood all of the information on both pages of this form and that all of the baove information is true and correct to the best of your knowledge. The name in this part must match that listed in part 1.b.

a. FDEP Facility ID # (must be the same as Part 1.a): ____098503086

b. Name of Real Property Owner or Responsible Party: _____ The Pantry, Inc.

- c. Signature of person named above:
- d. Title of person named above (if owner is a business) Manager, Environmental Compliance Administration

– – - Notorization of Signature of Real Property Owner or Responsible Party (required) – – – –

Ms. Sandy Metz

State of FLORIDA County of DUVAL	
Sworn to and subscribed before me by Sanly Metz	this 4th day of OCTOBER, 2001
Personally known (*	
Produced Identification () Type of ID:	(if produced identification)
Notary's Signature Oclaine Watson	My Commission Expire 9/6/2002
Notary's Signature Oclaim Water	Commission Number (if applicable
LOFFIC J. ELAINE WATSON	
Wrensonally Known (1) Other I.D.	
J. ELAINE WATSON	Commission Number (if applicable <u>CC 270346</u>

THE PANTRY, INC.

GROUP COBRA

October 5, 2001

Ms. Leila Shuffler Bureau of Petroleum Storage Systems Mail Station 4540 2600 Blair Stone Road Tallahassee, FL 32399-2400

RE: Contractor Designation Form Lil' Champ #6184 2275 S. Suncoast Blvd., Homosassa, FL 34448 FDEP Facility ID #098503086 THE PANTRY, INC.

8930 WESTERN WAY, SUITE 4 JACKSONVILLE, FLORIDA 32256 904 464-7200



. :

Dear Ms. Shuffler,

Enclosed please find an executed Contractor Designation Form (CDF) naming Environmental Consulting & Technology as the designated contractor for the above referenced site.

If you should have any questions, please contact me at (904) 464-7274 or at <u>smetz@lil-champ.com</u>

۰.

Respectfully,

landy Meg

Sandy Metz Manager, Environmental Compliance Administration

SEM/pab Enclosures (1) cc: Pam McElroy, Environmental Consulting & Technology Mark Sumner, Citrus County Health Department Betty Sekimonyo, STB Environmental SEM correspondence file Site file



Environmental Consulting & Technology, Inc.

November 28, 2000

D.E.P. DEC 0 1 2000

Ms. Leslie Pedigo Florida Department of Environmental Protection Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

Re: Lil' Champ Food Store No. 184 2275 South Suncoast Blvd. Homasassa, Citrus County, Florida 32649 FDEP Facility I.D. No.: 098503086

Dear Ms. Pedigo:

Environmental Consulting & Technology, Inc. (ECT), on behalf of Lil' Champ Food Stores, Inc., respectfully requests your assistance in the retraction of the December 29, 1998 Discharge Reporting Form (DRF) and the rescission of the March 27, 1995 Site Rehabilitation Completion Order (SRCO) for the above referenced site. This correspondence has been developed based upon Mr. Michael Bland's response to my initial e-mail to Mr. Lewis Comman dated October 26, 2000. ECT has conducted a thorough file review for this site and has determined that the site has three discharges as follows:

- March 12, 1992 A county inspector discovered elevated vapor readings in a monitoring well(s) and a Discharge Notification Form was filed. The site was deemed eligible for reimbursement under FPLRIP on September 17, 1993. On March 27, 1995, the Florida Department of Environmental Protection (FDEP) approved a Contamination Assessment Report (CAR), a CAR Addendum and No Further Action (NFA) proposal and issued an SRCO.
- October 8, 1997 Vapors were detected during an upgrade. Neither soil nor groundwater samples were collected for confirmatory laboratory analysis. This discharge was denied eligibility on October 20, 1997 because "...there is no indication that the discharge reported on October 8, 1997 is not the same contamination that was discovered on March 12, 1992 and was determined to be eligible...". This discharge was combined with the March 12, 1992 discharge even though that particular discharge was awarded a SRCO in 1995.

4110 Southpoint Boulevard Jacksonville, FL -32216

> (904) 296-0544

FAX (904) 296-2473

C:\WINDOWS\Desktop\Public File\Lil' Champ\LC 184_SRCO Rescission.doc An Equal Opportunity/Affirmative Action Employer Letter to Leslie Pedigo November 28, 2000 Page 2

December 29, 1998 – Mr. Greg Self, then of ECT and on behalf of Lil' Champ Food Stores, filed this DRF based on the results of soil and groundwater analytics. ECT developed a report, dated February 1, 1999, documenting the results of field activities performed at the site. The report documented elevated levels of toluene, ethylbenzene and xylenes in the groundwater. On February 18, 1999, ECT submitted the results of tank tightness tests (passed) to Mr. Dave Chronister of Citrus County. The letter also requested that this discharge be retracted because the soil and groundwater contamination was associated with the previous discharge reported in 1992. ECT requested clarification on this matter again from Mr. Chronister in a letter dated July 18, 1999.

A thorough review of the files for the referenced site indicates that the SRCO was never rescinded for the first discharge. Based on the reason for the denial of eligibility for the second discharge, the SRCO should have been rescinded. Additionally, the contaminant concentration distribution in the groundwater analytical reports included in ECT's February 1, 1999 report are indicative of an older spill (elevated ethylbenzene and xylenes concentrations, no benzene or MTBE concentrations).

In December 1999, you submitted a Memorandum to Mr. Comman indicating that this last discharge should not be retracted because this would allow a contaminated site to go unreported. ECT respectfully disagrees with this assessment since the historical information for this site indicates the SRCO should have been rescinded after the second discharge was reported in October 1997. It is ECT's professional opinion that the December 29, 1999 discharge be retracted and the March 27, 1995 SRCO be rescinded.

ECT greatly appreciates your attention to this matter. I have included copies of documentation referenced in this correspondence to ease the review of this site's file. If I can be of further assistance in your evaluation of this matter, please call me at (904) 296-0544.

Sincerely,

ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.

Turesa a. Fischer

Teresa A. Fischer Project Manager

Attachments

cc:

Mr. Michael Bland, P.G., Florida Department of Environmental Protection 2600 Blair Stone Road, M.S. 4545, Tallahassee, Florida 32399-2400



C:\WINDOWS\Desktop\Public File\Lil' Champ\LC 184_SRCO Rescission.doc

Site No. 33 Hudson Tire (aka Palmer Tire & Automotive) 1650 S. Suncoast Boulevard Homosassa, Florida FDEP I.D. No. 098733058 CITRUS COUNTY

J



1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

DEPARTMENT OF DEVELOPMENT SERVICES

May 19, 1993

<u>Mr. William Thornhill</u> <u>West Coast Tire Inc.</u> <u>14725 N. Florida Ave.</u> Tampa, Florida <u>33613</u>

RE: Pollutant Storage Tank Closure Assessment

Dear Mr. Thornhill,

The pollutant storage tank closure assessment for the facility reference below was received on <u>May 17, 1993.</u>

DER Facility #098733058 Thornhill Tire & Auto 1650 S. Suncoast Blvd. Homosassa, Florida 34448

Since no excessive contamination was found at the tank closure, there will be no further assessment required at this time.

If you have any questions, please call Fire Prevention at (904)746-1335.

Sincerely,

Richard T/ Sosna Fuel Tank Inspector Citrus County Fire Prevention

cc: Mr. Dave Norris Norris Tank & Pump 9242 W. Melanie Lane Crystal River, Florida 34428

RTS/jlb

(33)

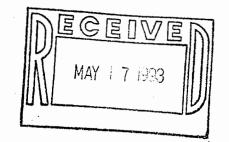
Norris Tank & Pump Services, Inc. 9242 W. Melanie Lane Crystal River, FL 32629

May 11, 1993

Citrus Co. Fire Prevention Bureau 1300 S. Lecanto Hwy. Lecanto, FL 32661

Attention: Dick Sosna

Reference: Palmers Goodyear 1650 S. Suncoast Blvd. Homosassa, FL 34448



Dear Dick:

Enclosed you will find certified contractors form, tank disposal manifest, and oil waste manifest.

This letter is to also confirm your report that no visual signs of contamination was found during removal of the underground waste oil tank.

Thank you, 19 lorris alex

David H. Norris

function of Environmental Regulacion	Form Tae Removal Form for Certified Contractors
Twin Towers Office Bldg 2600 Blair Storie Road . Tallahassee, Florida 32399-2400	
Send copy to: Pollutant Storage Tank Program, 300 31st St. N.	DER Application No [Frid in by DER]
Underground Storage Tank Installation and F	Removal Form
For Certified Contractors	
Pollutant Storage System Specialty Contractors as defined in Section 489.113, Florida Statutes (Certified cont Florida Administrative Code) shall use this form to certify that the installation, replacement or remova at the address listed below was performed in accordance with Department Reference Standards.	
General Facility Information	
1. DER Facility Identification No.: 09/8733058	
2. Facility Name: PAIMERS GOONYEAR Telephone: (904, 795-7600
3. Street Address (physical location): 1650 - S. SUNCOAST BLU	id.
HOMOSASSA, FL. 341148	
	1813,961-6469
14725- AL FL AVE TAMPA	FZ. 33613
F/2/02	K/2/93
8. Date Work Initiated:5/2/9.9. Date Work Completed:	
Underground Pollutant Tank Installation Checklist	
Ple sertify the completion of the following installation requirements by placing an (X) in the appr	ropriate box.
1e tanks and piping are corrosion resistant and approved for use by State and Federal Laws.	. Ц
 Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protec (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-87 and the ma 	
 Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP10 specifications. 	00(87) and the manufacturers'
 Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, 1746, STI (Steel Tank Institute) R892-89 and the manufacturer's specifications. 	UL (Underwriters Laboratory)
5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PE	El/RP100-87.
 Monitoring well(s) or other leak detection devices installed and tested in accordance with Sect Administrative Code (F.A.C.) 	tion 17-761.640, Florida
7. Spill and overfill protection devices installed in accordance with Section 17-761,500, F.A.C.	· 🗌
8. Secondary containment installed for tanks and piping as applicable in accordance with Section	on 17-761.500, F.A.C.
'lease Note: The numbers following the abbreviations (e.g. API 1615) are publication or specificati	ion numbers issued by these instututions.
Inderground Pollutant Tank Removal Checklist	*
1. Closure assessment performed in accordance with Section 17-761.800, F.A.C.	X
2. Underground tank removed and disposed of as specified in API 1604 in acordance with Sec	tion 17-761.800, F.A.C.
Page 1 of 2	
Roomiest Disurds - Nonneas: District - Centra District - Southeest District 160 Governmental Center - 7825 Baymeadows Was Surie B. 200 - 2019 Maguite Bird, Surie 202 - 4520 Olive Fax Bird Fentation From 2020 (1994)	Soun O-strict Sourceast O-strict 2069 Bay St. 1900 S. Congress Ave. 5, 194

	Form Tay Removal For	n tor Certified Ca
	Enerne Dary_Docernt	er 10, 1990
	DER Appresion No	(Fred in by CIR.
	· .	· p
	•	
Certification		
eby certify and attest that I am familiar with the facility that is registered with the Florida Department of	Environmental E	legulation: that to th
best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted	d in accordance y	vith Chapter 489 an
Section 376.303, Florida Statutes and Chapter 17.761, Florida Administrative Code (and its adopted reference s of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association	ciation of Corrosic	n Engineers (NACE
American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (the tank and integral piping manufacturers' specifications; and that the operations on the checklist were p	STI), Underwriters	Laboratory (UL); an
NORRIS TANK & PUMP SERVICE, INC.	benomed accord	ngiy.
9242 W. MELANIE LANE	2	•
CRYSTAL RIVER, FL 34/128	Pec	050776
(Type or Print)		SC Number
Certilied Pollutant Tank Contractor Name Pollutant Storage System Specialty Contractor License Number (PSSSC)		
		. /
David H. Morris	5/0	5/93
Certilied Tank Contractor Signature		Date
DAVID H. NORPIS	5	1/93
(Type or Print) Field Supervisor Name		Date
Field Supervisor Name		3
David & Morris	51	6/93
Field Supervisor Signature		Date

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at the top of page one.

NORRIS TANK & PUMP SERVICE, INC 9242 W. MELANIE LANE CRYSTAL RIVER, FL 34428 563-2447 1-800-932-3905 State Certificate #PCC050776

TANK DISPOSAL MANIFEST

6/93 DATE: PAIMERS GoodYEAR 1650 - S. SUNCONST JOB LOCATION: 1.) Blud HomoSASSA, FL. 34448 2.) TANK DESCRIPTION (NUMBER & SIZE): 550 9A1 DELIVERED BY: NORRIS. TANK + PUMP SEN. 3.) TAMPA SCRAP DISPOSAL SITE: 4.) TAMPA, Td 5.) ACCEPTED BY (PERSON): (COMPANY):

		IED MAN		IN
DL984168609				OUT PCC04605;
,	GENERAT	OR INFOR	MATION	
NAME OF GENERATO			DATE	
PAIMEN ADDRESS	es Goodyer	R		. 6 - 43
<u>1630 3</u>	. Juncoast	STATE		-932-3905 PHONE
Homasa.	SSA	_ F1. 30		
CONTACT PERSON	nk + Pump (D	AVE NORRIS	N N N N N N N N N N	E Oil Studge
TF	ANSPORTER/I	DISPOSER	INFORM	ATION
PICKED UP AND W	ILL BE TRANSPORTED, TH	EATED AND DISF		D MATERIALS HAVE BEEN WANNER PIRSUANT TO ALL
FEDERAL, STATE	AND LOCAL LAWS AND G	UIDELINES.	L.	•
	i	DRIVER SIGNATU	IRE	10
	INVOICI	E INFORM	ATION	
TOTAL	D.O.T. SHIPPING NAME	PRICE PER GALLON	UN NUMBER	TOTAL PRICE
OIL	27-GA1.			
WASTE		•		· ·
DAUMS				· · · ·
MISC.				
MISC.				······································
MISC.	CHARGE ON/ACCT.	RETURNED (PC	DOUT I CUSTO	MER P.O. NUMBER
	-		1	
ACKNOWLEDGE 1	FHAT I HAVE READ AND AG	E AND AGREE TO REE TO THE PRO	VISIONS AND	ONS ABOVE, AND FURTHER TERMS SET FORTH ON THE
REVERSE SIDE O	F THIS MANIFEST.	wer Ma	10.0.12	5-6-93
SIGMATURE	<u> Camur Co</u>	TITLE	NAGeR	DATE .
0.				
	NORRIS & SAN		SERVICE I	NC.
	2620 2	20th Avenue	North	· · ·
		ersburg, FL 3	0710	

,

.

Building Division (904) 746-4222 Fire Prevention Division (904) 746-1335 ,

·**

. 1

Planning Division

5

١..

e OF ROADDA	CLOSURE INSPECTION FORM	Yes No Unit N/A
REGISTRATION AND NOT	IFICATION 17-761.400 & 450 FAC: Comments:	
2. Proper notific	ility's tanks properly registered; .400 ation made 30 days prior to tank(s) closure; .450 (1) (a) a given 24 hours prior to storage tank(s) closure; .450 (4)	

II. CLOSURE PROCEDURES/STATUS: 17.761.800 Comments:				
4. Certified contractor performed the tank removal(s); .740 (2) 4.				
5. Storage tank(s) properly closed and removed from the site; (2) (d) 5.				
 Storage tank(s) properly closed and filled in place; (2) (d) 				\sim
 Storage tank(s) properly closed within 90 days of discovery; (2) (a) 7. 				
8. All liquid & sludge removed from the tank(s); (2) (d)	/			
9. Storage tanks properly purged or inerted prior to transport; (2) (d) 9.				
10. All piping capped and/or removed;				$\frac{2}{\frac{1}{2}} \sum_{i=1}^{n} e_i(\Phi_{ii}, 1)$
11. All monitoring wells left in place for contamination assessment purposes; (2) (f) 11.				/
, 12. All monitoring wells have been properly abandoned; .800 (2) (f)			, Astron	
 A closure assessment was properly performed; .800 (3), 13. 	1	ſ		

<u>ìII.</u>	DISCHARGE	REPORTING 17-761.460, F.A.C.: Comments:		-14 0 a 11 a 12 a 1	
		Evidence of contamination or a discharge reported (Explain in comments) 14. 460 (1), (2) and (3)	mm		
		Discharge Reporting Form (DRF) submitted; 460 (2) 15.			 \checkmark

IV. DISCHARG	RESPONSE: Comments:			
15.	Free product present; (Explain in comments)	////	///	~
17.	Free product being removed; 17-761.800 (3) (d) & 17-761.820 (2) 17.			<u> </u>

Comments: TANK SEJOGE PUMPED INT DRUM FOR HAULING NO VISUAL EUIDENCE OF JOIL CONTAMINATION . . DEi

UR1 State of Florida Department of Environmental Regulation Pollutant Storage Tank System Inspection Report Form Facility: ID. #: 098733058 County: _____ Facility Name: THORN HILL TIRE & AUTO CARE Facility Location: _/(_ 50 JUNCONT Facility Contact: Hi Owner: WEIT CUAIT 755-7600 OMOSANA Phone: TIRE Phone: Ec. 336/3-/823 AUE TAMPA FC. Owner Address: 14725 N.FLORIDA AUE TAMPA FL. 3361 Owner Contact: WILL, Am THERAHIL Owner Change Date: Longitude: _ Fac. Type: Latitude: Tank Date Under or Tank Integral Monitorina Size Tank # Contents Installed Type System Status Above Piping B. 09/84 550 ω IA ٹ EXCANTED REMITED & PUMPED DRY BY NORES TANK 5/3/93 TANK, Comments: UMP & TANK SCRAP. (2) TANK TO BE HAULED COPY OF CLOSURE REPORT TO BE SENT TE CLORUS COUNTY FIRE PREVENTION Inspection Type: (Choose One) Site Information: (All that apply) Discharge (DRF) Near Public Wells 🗌 Repaired Routine Closure Contaminated Upgraded Installation Brogsh UST & AST Reinspection Complaint Abandoned Acid Tanks 📙 Hazardous Materials or Local Program CITRU CULUTY GIRE PREVENTIN DER District SUSHA KHARD Contact Name (Print): 🕔 inspector Name (Print): Jona 5/3 Inspector's Signature & Date Contact's Signature & Date DER Form 761-01-91 CLOJURE

INDBRATAD PROV

Site No. 37 Ferman of Citrus County (aka Crystal Chevrolet) 1035 S. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098518705 EPA I.D. No. FLD981866478



October 20, 1994

111 South Armenia Avenue Tampa, Florida 33609 (813) 874-8204 FAX (813) 874-7842 600 South Barracks Street Suite 210 Pensacola, Florida 32501 (904) 438-8133 FAX (904) 438-8199

RECEIVED OCT 2 4 1994

Citrus County Fire Prevention

Mr. Dick Sosna Citrus County Fire Prevention Bureau 1300 South Lecanto Highway Lecanto, Florida 32661

RE: Results of Recent Groundwater Sampling, Crystal Chevrolet, 1101 South Suncoast Boulevard, Crystal River, Florida, FDEP FAC No. 098518705

Dear Mr. Sosna:

Pursuant to your response letter dated August 4, 1994, FGS Inc. (FGS) resampled permanent monitoring well MW-1 to evaluate current groundwater quality conditions in the im liate vicinity of a former 6,000-gallon gasoline UST. As you know, this UST was ren d from the ground in February, 1994. The results of the UST closure were submitted n July 1994.

ampling was performed on September 16, 1994 by an FGS field technician in accordance /ith FGS' FDEP-approved Comprehensive Quality Assurance Plan (CompQAP #890395G). amples were placed on wet ice and transported to PC&B Laboratories of Oviedo, Florida Florida DHRS Lab #E83239) for analysis by EPA Method 602 (volatile organic aromatics).

he results of analytical testing did not indicate that dissolved petroleum-related compounds ere present above corresponding method detection limits. The groundwater sample illected from permanent monitoring well MW-1 on June 7, 1994 also did not detect the esence of petroleum-related compounds above corresponding method detection limits. nalytical results from the September 16, 1994 sampling event are summarized in Table 1. he laboratory data package is also provided. Mr. Dick Sosna Citrus County Fire Prevention Bureau October 20, 1994 Page 2

Based on the results of groundwater testing from MW-1, FGS recommends that a No Further Action Proposal (NFAP) be approved for this site. If you have any questions or require additional information, please do not hesitate to contact me at (813) 874-8204.

Sincerely,

FGS, Inc. ndrew B. Long ₽.G.

Project Manager

attachment

cc: Steven A. Uiterwyk - Ferman Motor Car Company

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS CRYSTAL RIVER, FLORIDA **CRYSTAL CHEVROLET** ABLE 1

5

NOTES: All concentrations reported in micrograms per liter (µg/L)

EQ-916C is an equipment blank

Total Xylenes	. N	Sum of concentrations of m-, o-, and p-xylenes
I OTAL VUAS	ŧı	sum of concentrations of denzene, emploenzene, toluene, and total xylenes
MTBE	0	Methyl Tert Butyl Ether

- Footnotes defining 1989 Florida Groundwater Guldance Concentrations
 (a) Florida Primary Drinking Water Standard (Florida Administrative Code 17-550.310-320)
 (b) Recommended Protective Concentration: Toxicant Profiles, Center for Biomedical and Toxicological Research, Florida State University, 1985-1988
 (c) Florida Administrative Code 17-770.730 target levels for groundwater remediation.

AL\(jn\94-480.ta1



PC&B Environmental Laboratories, Inc.

210 Park Road, Oviedo, Florida 32765 Phone: 407-359-7194 Fax: 407-359-7197

September 20, 1994

Andrew Long FGS, INC. 111 South Armenia Avenue Tampa, FL 33609

Dear Mr. Long:

Enclosed are the results of the analysis of your samples received September 17, 1994.

Our laboratory is certified by the Florida DHRS (Lab #E83239) and operates under an FDER approved Comprehensive Quality Assurance Plan (#900134G). All data were determined in accordance with published procedures (EPA-600/4-79-020), <u>Methods for Chemical Analysis of Water and Wastes</u>, Revised March 1983 and/or <u>Standard Methods for the Examination of Water and Wastewater 17th Edition 1989</u> and/or <u>Test Methods for Evaluating Solid Waste</u> (EPA-SW-846, Revised November 1989), unless stated otherwise in our CompQAPP under method modifications.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Declan Cowley Laboratory Director



117 PC&B Environmental Laboratories, Inc.

210 Park Road, Oviedo, Florida 32765 Phone: 407-359-7194 Fax: 407-359-7197

September 20, 1994

CLIENT: FGS, INC. CONTACT: Andrew Long 813-874-8204 111 South Armenia Avenue Tampa, Fl 33609

Crystal Chevy PROJECT NAME: PROJECT NUMBER: G94-480.15

REFERENCE: Work Order Number 9409166

Lab Sampl	.e		Date/Time
Number	Matrix	Client ID	Sampled
9409166-0	1 Water	MW-1	09-16-94 1511
9409166-0)2 Water	RB-916C	09-16-94 1457
9409166-0)3 Water	EQ-916C	09-16-94 1501 .
9409166-0)4 Water	Trip	NA NA

- /m:----

Parameters

EPA 602 Volatile Organics 2

Declan Cowley Laboratory Director environmental Laboratories, Inc.

Oviedo Fl 32765

PHONE : 407-359-7194

CLIENT NAME : FGS, INC. PROJECT NAME : CRYSTAL CHEVY PROJECT NUMBER : G94-480.15 DATE RECEIVED : 09-17-94 PROTOCOL : EPA 624 MODIFIED

VOLATILE AROMATICS

Result Units	ug/l	ug/l	ug/l	
% Moisture	NA	NA	NA	
Dilution Factor	1	1	1	
U = indicates the compound wa	s analysed for, but not	detected at t	he specified value.	•

CompQAP #900134G/E83239/83353

REVIEWED BY : _____

SD

PC&B Environmental Laboratories, Inc.

VOLATILE ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER ANALYSIS DATE : 09-19-94

LAB SAMPLE # : 9409165-3

تلا ".

	AMOUNT	SAMPLE	MS	MS %
COMPOUND	SPIKED	RESULT	RESULT	RECOVERY
1,1-Dichloroethene	50.0	0.0	50.0	100
Trichloroethene	50.0	0.0	39.0	78
Benzene	50.0	0.0	56.0	112
Toluene	50.0	0.0	39.0	78
Chlorobenzene	50.0	0.0	48.0	96

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

		WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD	1 .
1,1-Dichloroethene	61	145	14	59	172	22	Í
Trichloroethene	71	120	14	62	137	24	I
Benzene	76	127	11	66	142	21	İ
Toluene	76	125	13	59	139	21	i
Chlorobenzene	75	130	13	60	133	21	İ
-							

HO10 R3-916C	U JAY - MI	SPECIAL INSTRUCTIONS/COMMENTS:			a have a contract of the a		RELINQUISHED BY DATE/TIME RECEIVED BY	13	12	11	10	6	7	0	G	2	· EQ-9)6C 1501	1160 1 19	1/mw-1 19-16-09 1511 41	SIGN (1/M,) V (ATZ PHONE NO:) / OPUT # SAMPLE ID. DATE/TIME MATHIX	LEDBY HAAA LADVIS	ADDRESS	COMPANY TGS	407-359-7194 (FAX) 407-359-7197	PC&B Laboratories, Inc.	
	OF DIFFERENT FROM ADOVED	PROJECT-MANAGER:		SITE ADDRÉSS;	4-48	9-17-1 PROJECT NAME: CRYSTOL CACUL	DATE/TIME PROJECT INFORMATION															6	ANALYSIS REQUEST	Date:	Chain of Custody Wo	
		SHIPPED . VIA	PO#:	Rec'd Good Condition/Cold	Chain of Custody Seals	Total No. of Containers	SAMPLE RECEIPT													SR3		838		Page of	rk Order	•

.

•

Site No. 39 Circle K #7489 400 S. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503167 EPA I.D. No. FLD984254144

÷



Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 8503167 Name: Circle K #7489 400 S Suncoast Blvd Crystal River, FL 32629- 5499 Contact: Steve Belin Phone: 813-689-8161

District: SWD County: Citrus Type: A-Retail Station Status: Open Latitude: 28:51:22.0000 Longitude: 82:34:49.0000 LL Method: AGPS-Autonomous GPS

Account Owner: Circle K Stores Inc

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monito
1R1	9684	Unleaded Gas	09/01/1997	UNDER	In Service	E A N O M I	C F J K	H K F L 2 3 4
2R1	9684	Unleaded Gas	09/01/1997	UNDER	In Service	E A N O M I	C F J K	H K F L 2 3 4
1	10000	Unleaded Gas	09/01/1984	UNDER	Removed			
2	10000	Unleaded Gas	09/01/1984	UNDER	Removed			
3	10000	Unleaded Gas	09/01/1984	UNDER	Removed			
4	10000	Vehicular Diesel	09/01/1984	UNDER	Removed			

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

FLORIDA Twin Towers Of	fice Bldg. ● 2600 Divisi Bureau 0	D Blair on of V f Petro	f Environmento Stone Road • Tallahas Waste Management Dleum Storage Syste	see, riorida 32 ms	2399-2400		
Storage	e Tank Facil	lity C	Compliance Insp	ection Rep	ort		
Facility ID 8503167	County 🙋	9	CITRUS	Inspe	ction Dat	e 9/1 9 /2	00
Facility Name CIRCLE K	748	?		Facili	ity Type [A-RET	AIL
Latitude 28°51'22"	Longitude	82	°34'49'	L/L	Method	A-6P5	
Check box to identify type of inspection performed Provide Lat/Long Determination Method. ("Map" Provide the count of USTs and/or ASTs reviewed a	, "AGPS" (Mage	ellan), '	itude as necessary. "GGPS" (Trimble)).	# USTs Inspected	2	# ATSs Inspected	
Compliance Inspection (Annual)	TCI	X	Installation Inspec	tion		TIN	
Compliance Inspection (DRF received)	TCDI		Closure Inspection			TXI	
Compliance Inspection (Complaint received)	TCPI		Compliance Re-In			TCR	
Discharge Evaluation ("short form")	TDI		** Record the resu	ilts of the TDI	in a Discha	rge Project	
• "Code" in block below corresponds to the Rule Cite; ;	represents a Data Ei	ntry Co	le for ease of electronic da	ta recording of in	nspection resul	lts.	
Bule Cite Description / 1	Inspector's C	omm	ents			(Code
Comments Relea	se de	etc	ction a	's Ca	ntine	10-5	
manit	pring	0.	f Hed	مرالم	Lielle	.d	
	1		5		-		
Tank	C. 4. d. 1	O_{i}	pe inter	Strcie	i / Sf	pales >	
cud th	e 101	PC	Sump	and	dispr	nsel	
liners	5- 0	~	encon	0055	Ata		
	04		S. AC		1	c	
System	· Th	2	Simps	<u>chd</u>	Line		
ere st	so cl	ec	ked no	mylly	by	4TC	
Associ	stes;	Ċh	d Condi	tions	ale n	oted	
	· repo			•			
Financial Responsibility – Verify owner's cover	rage: Select Ins	suranc	e or <i>Other</i> , and provi	de <i>Mechanisr</i>	n, if approp	oriate.	· · · · · · · · · · · · · · · · · · ·
Insurance Carrier:			Effective Date:		Expiration I	Date:	
Other Coverage meeting federal financia	l responsibility r	equire	ments. Mechanism:	Self	<u> </u>		
None					•		
							J
Based upon the inspection results and informa Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	🗙 Yes		O No O	CWOE - Co	mpliance w	he requirement ithout Enforces	
CITRUS CNTY ENV. 4	EALTH		352-52	27-52	255		
Storage Tank Program Office			Storage Tank Program	Office Phone N	umber		
Inspector Name - Please Print			Facility Representative	Name – Please	Print	0	
min	11.		Y	1	•		
lack on 9	18/00	(There	~ Or			
suspector Signature & Date			Facility Represen	tative Signat	ure & Date		
						•	

Page of 2

cility Name: <u>C. RCLEK 7489</u> Facility ID: <u>8503167</u> Date: <u>9/19/00</u> Description / Inspector's Comments e 2000 - 2001 Placerd my and RDR(omments. are on display in facility. the Sensors in tank intostice and STP Sumps were clerked 12/12/99 by AAA Tank Testers. Due for retest 12/12/00 Regular UL tenk was Tightness Tested 10-1-99 by AAA Tank Testers. Lines and leak detrators were all tested 10-1-99 by AAA Tank Testers: LLD are due for refest 10/1/2000 Conditions noted All dispense lines were dry. Premium Sump 15 day " Reg UL Sump has to 5-6 inches of liquid have sump punped out and provide records of its proper disposal-

Page 2 of 2

Site No. 40 H & H Motors (NationsBank) 400 US Highway 19 S. Crystal River, Florida FDEP I.D. No. 098732090

#40

Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 8732090 Name: H&H Motors Inc 400 Hwy 19 S Crystal River, FL 32629- 4825 Contact: Head, James H Phone: 904-795-3174 District: SWD County: Citrus Type: C-Fuel User/Non-Retail Status: Closed Latitude: 28:52:44.0000 Longitude: 82:34:50.0000 LL Method: UNVR-Unverified

Account Owner: Dunbar, Barbara

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monito
1	1000 U	nleaded Gas	09/01/1980	UNDER	Removed			

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).



Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

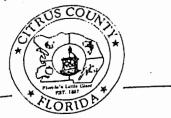
Facility ID#: 8732090 Name: H&H Motors Inc 400 Hwy 19 S Crystal River, FL 32629- 4825 Contact: Head, James H Phone: 904-795-3174 District: SWD County: Citrus Type: C-Fuel User/Non-Retail Status: Closed Latitude: 28:52:44.0000 Longitude: 82:34:50.0000 LL Method: UNVR-Unverified

Account Owner: Dunbar, Barbara

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monito
1	1000 U	nleaded Gas	09/01/1980	UNDER	Removed			

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site). CITRUS COUNTY



DEPARTMENT OF DEVELOPMENT SERVICES

1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

June 22, 1992

Mr. James H. Head H & H Motors, Inc. 400 Hwy. 19 South Crystal River, Florida 3262**9**-4825

Ref. Fac. # 09873209& H & H Motors, Inc.

Dear Mr. Head,

Attached are the 17-761 Florida Administrative Code Compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-761, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank system. Also please see comments on front page of inspection report.

'f you have any questions concerning this matter, feel free to call upon me.

Sincerely,

Richard T. Sosna Fuel Tank Inspector Citrus County Fire Prevention

RTS/jf

cc: Mr. Ken Smith Remdial Contractors Group P.O. Box 255 Homosassa, Florida 32687

State of Florida Department of Environmental Regulation Pollutant Storage Tank System Inspection Report Form 098732090 _ County: CITRUS Facility: ID. #: _ Facility Name: ____H\$[4] Facility Location: ___4 MOTORS, INC CRYJTAL RIVEN, = 4, 326-29 - 4825 Phone: (934)795 400 HWY 1950 11240 Facility Contact: INC. ____ Phone; _____ RIJBR, PL. 32629- -7826 1950 CRYSTAL Owner Address: Owner Changé Date: Owner Contact: Fac. Type: ₽. Longitude: _ :هُرْ Latitude: 82. Tank Tank Integral Monitoring Date Under or Tank # Size Contents Туре Status Installed Above Piping System 15 80 R 2000 NONE 0 TANK PUMPED OUT 6/4/52 (SEABOARD/MARION OIL) mments: REMOVED 6/18/52 Y REMEDIAL CONFRICTORS (PROVA NK FICAUATED P.o. Box 255 Hemas DESA, FL. 32687 & TRANSPICTO TRAMPA SCRAP ENNO BY DRYICE PINNEY 9/9-CITRUS CODN 54 FIRS PREVENTIONS LOSUZE REPORT TOBE 0 涁 Inspection Type: (Choose One) Site Information: (All that apply) 🗌 Near Public Wells 🛄 Repaired Routine Discharge (DRF) Closure Contaminated Upgraded Installation Bath UST & AST Reinspection Abandoned Acid Tanks 📙 Hazardous Materials CITRUS GOUNTY FIRE PREVENTION <u>or</u> Local Program DEB District OSNA CHARD (Print) ame Conta Name pector Manu 61 Inspector's Signature & Date Contact's Signature & Date DER Form 761-01-91



UNDERGROUND STORAGE TANK CLOSURE INSPECTION FORM

C118/5V Date: ____

	-		
	资金运行	Company of	Bandareen.
Yes	如果有效的		的 计学 法书
- Section - Converter	100.00	O	er Hellen sin sekalak

<u>I.</u>	REGISTRATION AND NOTIFICATION	17-761.400	&	450 F	AC:	Comments: _

1. All of the facility's tanks properly registered; 400	1		
2. Proper notification made 30 days prior to tank(s) closure; .450 (1) (a) 2.			
3. Proper notice given 24 hours prior to storage tank(s) closure; 450 (4)		i for an an an an an an an an an an an an an	

II. CLOSURE PROCEDURES/STATUS: 17.761.800 Comments:				
4. Certified contractor performed the tank removal(s); .740 (2) 4.				
5. Storage tank(s) properly closed and removed from the site; (2) (d) 5.	-			Î
6. Storage tank(s) properly closed and filled in place; (2) (d)				1
 Storage tank(s) properly closed within 90 days of discovery; (2) (a) 7. 	V			
 All liquid & sludge removed from the tank(s); (2) (d) 				1. N.
 Storage tanks properly purged or inerted prior to transport; (2) (d) 	·			
10. All piping capped and/or removed;				
11. All monitoring wells left in place for contamination assessment purposes; (2) (f) 11.				\square
12. All monitoring wells have been properly abandoned; .800 (2) (f)		1	an an an An An An	
13. A closure assessment was properly performed; .800 (3), 13.	~			

			tin Strade in	
III. DISCHARGE REPORTING 17-761.460, F.A.C.: Comments:				
	+			
14. Evidence of contamination or a discharge reported (Explain in comments)	I was I			1
이 가지 않는 것 같은 것 같아요. 것 같아요. 이 같은 것은 것은 것은 것 같아요. 이 같은 것 같아요. 이 같아요. 이 것 같아요. 이 있는 것 같아요. 이 집 같아요. 이 집 않아요. 이 집 이 집 않아요. 이 집 않아요. 이 집 이 집 않아요. 이 집 이 집 이 집 않아요. 이 집 ?	VIIIII	HHIN	mint	\overline{m}
460 (1), (2) and (3)		\underline{I}	$\Pi \Pi \Lambda$	11/11/
15. Discharge Reporting Form (DRF) submitted; 460 (2) 15.				
	Contraction of the local data			

IV. DISCHARGE RESPONSE: Comments:				
16. Free product present; (Explain in comments)	16.	V//	1111	
17. Free product being removed; 17-761.800 (3) (d) & 17-761.820 (2)	17.			$\langle \rangle$

Comments: NO SOLL CONTAMINATION WARE FRANCE TALKEN FOR LAB ANACUSU



51 STATE OF FLORIDA

STATE UNDERGROUND PETROLEUM ENVIRONMENTAL RESPONSE S.U.P.E.R. ACT SITE INVESTIGATION

I. Site Identification

Track Number @-digits, first 2 digits are county #)	or
Facility Number (9-digits) 09-8732090	
PLIRP Site ATRP Site HRS CPHU Initiated (If the site has no DEE Early Detection Incentive track number, record the DER Storage Tank Inventory facility number and chack appropriate type of investigation- Petroleum Liability and Insurance Restoration Program, Abandoned Tank Restoration Program, or MRS County Public Health Unit)	
Business/Site Name H + H Mortors Business/Site Address 400 Hilly 19.5	
Business/Site City & County Crysta Kiver - Citrus	
II. Site Vicinity	
Number of large public wells within 1/2 mile (Potable wells producing >100.000 Gallons Per Day) Number of private or small public wells w/in 1/4 mile	
(Any potable well producing <100,000 GFD) Usage of small public well(s)	
(Choices- MA, Food Outlet/Service/Processor, Irailer Park, Apartments, School Other.) Number of irrigation water wells W/in 1/2 mile	 *
Surface water used for potable purposes w/in 1/2 mile	
X ¹	
III. Mapping	
Initial investigation site map attached the second of wells for the second of wells for the second of wells for the second of wells for the second of wells for the second of the second	
Initial investigation site map attached tes or (Locates site and all wells sampled with a legend of wells) Follow-up investigation site map attached tes Yes No (Locates all wells sampled that have not been previously mapped)	
Initial investigation site map attached the second of wells for the second of wells for the second of wells for the second of wells for the second of wells for the second of the second	
Initial investigation site map attached tes or (Locates site and all wells sampled with a legend of wells) Follow-up investigation site map attached tes Yes No (Locates all wells sampled that have not been previously mapped) MAPPING MUST BE DONE ON 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS SO THAT COMPUTER MAPPING CAN BE CONPLETE	
Initial investigation site map attached (Locates site and all wells sampled with a legend of walls) Follow-up investigation site map attached (Locates all wells sampled that have not been previously mapped) MAPPING MUST BE DONE ON 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS SO THAT COMPUTER MAPPING CAN BE COMPLETEN MRS ENVIRONMENTAL EPIDEMEDLOGY (HSEE): IF GUAD POINT RESOLUTION IS POOR, ALSO INCLUDE A CITY STREET NO	
Initial investigation site map attached (Locates site and all wells sampled with a legend of walls) Follow-up investigation site map attached (Locates all wells sampled that have not been previously mapped) MAPPING MUST BE DONE ON 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS SO THAT COMPUTER MAPPING CAN BE COMPLETER MRS ENVIRONMENTAL EPIDEMIOLOGY (HSEE): If GUAD POINT RESOLUTION IS POOR, ALSO INCLUDE A CITY STREET NO IV. Water Sampling Number of potable water wells sampled this series (A series is an initial sampling or quarterly/annual re-sampling of wells surrounding a site)	
Initial investigation site map attached (Locates site and all wells sampled with a legend of wells) Follow-up investigation site map attached (Locates all wells sampled that have not been previously mapped) MAPPING MUST BE DONE ON 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS SO THAT COMPUTER MAPPING CAM BE CONPLETE MRS ENVIRONMENTAL EPIDEMEDLOGY (HSEE): IF GUAD POINT RESOLUTION IS POOR, ALSO INCLUDE A CITY STREET NO IV. Water Sampling Number of potable water wells sampled this series (A series is an initial sampling or quarterly/annual re-sampling of wells surrounding a site)	
Initial investigation site map attached <u>Ves</u> or (Locates site and all wells sampled with a legend of walls) Follow-up investigation site map attached <u>Yes</u> <u>No</u> (Locates all wells sampled that have not been <u>previously</u> mapped) MAPPING MUST BE DONE ON 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAPS SO THAT COMPUTER MAPPING CAN BE CONPLETE HRS ENVIRONMENTAL EPIDEMFOLOGY (MSEE): <u>IF</u> QUAD POINT RESOLUTION IS POOR, ALSO INCLUDE A CITY STREET NO <u>IV. Water Sampling</u> Number of potable water wells sampled this series (A series is an initial sampling or quarterly/annual re-sampling of wells surrounding a site) Date(s) of this sampling series <u>0</u> [<u>7</u> <u>0</u> <u>6</u>	

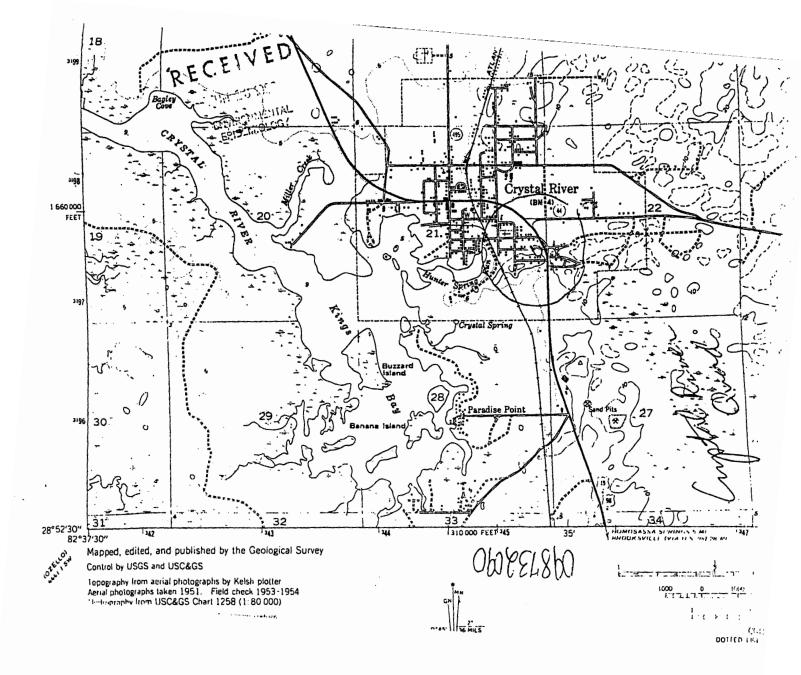


IMAGE QUALITY

AS YOU REVIEW THE NEXT GROUP OF IMAGES, PLEASE NOTE THAT THE ORIGINAL DOCUMENTS WERE OF POOR QUALITY.

٠ź

.

Site No. 41 Edward Jones Investments (aka Chevron - Raddie Jones) 216 S. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098518721



DEPARTMENT OF DEVELOPMENT SERVICES

1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

March 24, 1992

Mr. Raddie Jones Jones Resturant 216 S. Suncoast Blvd. Crystal River, Florida 32629 Ref. Fac. # 098518721 Chevron - Raddie Jones

Dear Mr. Jone,

Attached are the 17-761 Florida Administrative Code Compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-761, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank system. Also please see comments on front page of inspection report.

If you have any questions concerning this matter, feel free to call upon me.

Sincerely,

Richard T. Šosna Fuel Tank Inspector Citrus County Fire Prevention

RTS/jf

Attachments: Storage Tank Registration Form

LUTANT STORAGE TANK SYST ing struck rendis ting - costr proc PACE: FACILITY ID #: 098518721 COUNTY: CITRUS FACILITY NAME: CHEVRON-RADDIE CONES FACILITY LOCATION: US 19 S, ORYSTAL PIVER GILITY CONTACT: RADDIE JONES PHONE: (904) 629-0361 ER: SMITH OIL CO PHONE: (904) 629-0361 WWHER ADDRESO: PO BOX 1256, ODALA, FL, 32678-1256 DWNER CENTACT: TOM VANI OWNER CHANGE DATE DO/00/00 FAC TYPE: RETAIL STATION LATITUDE:28-53-50 LONGITUDE:82-35-05 INSTALL UNDER OR TANK INTEGRAL MONITERING YA PIPING TYPE SIZE CONTENT DATE ASOVE SYSTEM TANX 👘 2000 4 XX764 -U 0 . C Y B į C C Y 20002 XX764 U 2 Į. 0 1000 8 XX764 . . U Y 2 1000 Y 2 XX764 -UCOMMENTER TANKS FRONKO FROM GROUND IN 1988 PRIOR TO WITHIN CLOSSER REPORTS IN ERE REQUIRED CONTAMINATED SOIL REMOVED JEJEDVIEMENT-CONTRACTOR REIMBURSEMENT UNDER EDI - DELTAENVIRIJMENTAL INCREDIICH TYRE (CHOCCE ONI) SITE INFORMATION (ALL THAT APPLY) DISCHARGE NEAR PUB RELL REPAIRED ROUTINE INSTALL CLOSURE CONTAMINATED 4PGRADED VUST & Ret REINSPECT CORPLAINT ASANDONED ____ NAZARD NAT ACID TANKS DER DISTRICT OR LOCAL PROCEAN; CITRUS COUNTY FIRE PREVENTAN TER NAME (PRINT) KICHARD 1. Sosua DENTACT NAME (PRINT) draid Dun NEPECTOR S CONTACT'S SIGNATURE & DATE STONATURE & DATE NEWT Inspection - NOT REQUIRED TANKS REMOVED

DER FORM 761-01-91

TECHNICAL SUPPORT AND ENFORCE T CASES TECHNICAL REVIEW ROUTING SLIP (attach to report)	
site Name: Chownon (Boldie Jones Orystal Ripr_	
Reimbursement Project Manager: Mac Graw - Mostally for form	
File 1: 09-0711 DER Pac ID 1: 0985 18221 & Sundto Tod Al	lind
Report (Check applicable report name)	
CAR Addition RAP CAR/RAP IRA Proposal Quarterly Status Letter Completion Report	
Monitoring Only Annual Report No Further Act	ion
IRA Written Notification Risk Assessment	
Other District Enforcement Case - 1 copy to District, 1 copy to techni	cal
support	cui
Technical Support (RAP, Completion Report, IRA Proposals, Annual Report-if unusual) - copy to Don Ehlenbeck	
Assessment Section (No Further Action, Risk Assessment, Monitori Only)-copy to Jim Crane	ng
Person Responsible for Review:	
INITIALS DATE.	
	anđ
5 sends to reimbursement project manager	
Reimbursement Project Manager prepares draft comments	
Generic 21 (Technical Comments)	
Generic 22 (Quarterly Status/Annual Reports)	
Supervisor Review	
Send Comments (cc: district office, local program)	
Prepare all appropriate Data Entry Sheets	
Data Entry	
File copy of Comments to Technical Log Reeper to log of	out
File Comments (Stapled to Front of Report)	
II. Approvals	
$T_{Recommendation} = \frac{7/25}{84}$ Person Responsible for Review Sends Approval Recommendation to Reimbursement Project Manager	
$\overline{\mathcal{DP}}$ \mathcal{G}/\mathcal{U} Reimbursement Project Manager Drafts Approval Order	
Generic 26 - RAP Approval Order plus cost estima cover sheet & form	te
Generic 21, 28 - Site Completion Order Seneric 27 - No Further Action Order	
Generic 25 - Monitoring Only Approval Order Generic 24 - CAR/RAP Option Approval for Sites	
Switching to State Cleanup	
KA 8/18 Supervisor Review	
Alix Administrator Review	
10-2 8/2/18/Division Director Signature	
DD <u>6/12</u> Send Approval Order (cc: district office, local progra	m ()
8/2 Trepare Data Entry Sheet	
Deca Entry	
Di) gha Copy of Approval to Technical Log Keeper to log out	
Mer File Approval Order (Stapled to Front of Report)	

41

.

Site No. 43 National Guard Armory 8551 W. Seven Rivers Drive Crystal River, Florida FDEP I.D. No. 098943703 EPA I.D. No. FLD982132193



Bi .rd of County Co._missioners Department of Public Safety

43)

April 1, 1998

National Guard Armory P.O. Box 1008 St. Augustine, Fl. 32085-100

Ref. Fac. 098943703 National Guard Armory 8551 W. Seven Rivers Drive Crystal River, Fl. 34429

Dear Mr. Grimes:

On 3/27/98 a representative of the Department of Public Safety conducted a compliance inspection at the above referenced facility. This inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to Chapter <u>62-761</u> Florida Administrative Code (F.A.C), which regulate <u>underground</u> stationary storage tank systems. A copy of the completed inspection form is attached.

Should you have any questions, please contact me at (352) 726-1400.

Sincerely,

inne

David E. Chronister Environmental Specialist III Department of Public Safety

DEC/bf



Pollutant Storage Tank System Inspection Report Form

Facility	Name	NATIONAL	GUARD AT	MORY		County: _	·	
Facility Name: NATIONAL GUARD ARMORY Facility Location: ØSTI W. SEVEN RIVINS DR. CANSEN RIVIN, FL. 34729 Facility Contact: STEVEN BAMBER Phone: 951 Phone: Owner: Fland Diff. OF MILITARY AFFAMES Owner Address: P.O. 30x 1008 % Dund R. GRIMES Owner Contact: Dario B. Grimes Latitude: 28°: Yd': 18"								
Tank# Size Contents Date Under or Tank Integral Monitoring Tank Installed Above Type Piping System Status								
	4000	D	3/88	υ	AEM	С	B	
			1			1		

Comments: (1) PROVIDE COPIES TO CITING CO. OF THE FOLLOWING: STORAGE TANK REG. FO

TRAFFERS FORM, CLOSURE ASSESSMENT FORM, CLOSURE REPORT

Site Information: (All that apply) Inspection Type: (Choose One) Near Public Wells Repaired Discharge (DRF) Routine Contaminated Upgraded Closure Installation Both UST & AST Complaint 🗌 Abandoned Reinspection 🗌 Hazardous Materials 11 Acid Tanks TORACE TANKS PROGRAM or Local Program CATRUSCOUTT PUSLIC. FETY -DER District AVID E. CHRONISTER Grimes Davia Contact, Name (Print): Inspector Name (Print): Inspector's Signature & Date Contact's Signature & Date

3 Form 761-01-91

INSPECTOR COPY



UNDERGROUND STORAGE TANK CLOSURE INSPECTION FORM

Facility I.D.#: <u>098643703</u> Date: _____

THE REPORT OF THE PARTY PARTY OF THE PARTY OF

The OF FLUX	Yes	No -	Unk	N/A
REGISTRATION AND NOTIFICATION 17-761.400 & 450 FAC: Comments:				
1. All of the facility's tanks properly registered; 400				i gji ^{na} nz ^{i gj} i Man i gyi
2. Proper notification made 30 days prior to tank(s) closure; .450 (1) (a) 2. 3. Proper notice given 24 hours prior to storage tank(s) closure; .450 (4) 3.	/			19. Ex

II. CLOSURE PROCEDURES/STATUS: 17.761.800 Comments:			
4. Certified contractor performed the tank removal(s); 740 (2)	1		
 Storage tank(s) properly closed and removed from the site; (2) (d) 5. 			
6. Storage tank(s) properly closed and filled in place; (2) (d)		A.S.	/
 Storage tank(s) properly closed within 90 days of discovery; (2) (a) 7. 			/
8. All liquid & sludge removed from the tank(s); (2) (d)	/		
 Storage tanks properly purged or inerted prior to transport; (2) (d) 9. 			
10. All piping capped and/or removed.			
11. All monitoring wells left in place for contamination assessment purposes; (2) (f) 」2576950 11.			/
12. All monitoring wells have been properly abandoned; .800 (2) (f)		1.55	1
13. A closure assessment was properly performed; .800 (3), AENOSTAN 13.			

<u>_111.</u>	DISCHARGE REPORTING 17-761.460, F.A.C.:	Comments:	~/A
	14. Evidence of contamination or a dis 460 (1), (2) and (3)	charge reported	(Explain in comments)
	15. Discharge Reporting Form (DRF) st	ubmitted; 460 (2)

<u>IV.</u>	DISCHARGE RESPONSE:	Comments:	MA			
	16. Free product pr	resent; (Explain in comme	nts)	16.	(//////	\$
	17. Free product be	eing removed; 17-761.80	00 (3) (d) & 17-761.820 (2)	17.		/

Comments: F.E.S. PSPETONED REMOUNE OF UST. TANK APRIMID IN GOOD COND, - NO

VISABLE HOLES GET. . No SOIL CONTAM. DISCOVERSY W/ OVA OR VISUM. WATCH SAMPLE RESULTS

PENDING. TANK CLEANED/CRUSIKO AND PUT IN A ROLLOFF

.

Site No. 46 Citrus County – Crystal Aero Group 882 Linburgh Drive Crystal River, Florida FDEP I.D. No. 098503043



Department of Environmental Protection

Southwest District

Lawton Chiles Governor

3804 Coconut Palm Drive Tampa, Florida 33619 JUN 0 7 1995

Mr. Gary W. Kuhl, P.E., Director Citrus County Public Works 1300 South Lecanto Highway Post Office Box 167 Lecanto, FL 32661

BUREAU OF WASTE CLEANLIP

Virginia B. Wetherell

Secretary

JUN 1 2 1995

RE: Citrus County-Crystal Aero Group Crystal River Airport TECHNICAL REVIEW SECTION 882 North Lindbergh Drive Crystal River, Citrus County, Florida DEP Facility ID #098503043 OGC Case #93-4646

Dear Mr. Kuhl:

Michael Bland of the Bureau of Waste Cleanup has reviewed the Contamination Assessment Report (CAR) Addendum and No Further Action Proposal (NFAP) dated April 19, 1995 (received April 21, 1995) submitted by EnviroAssessments, Inc. for this site. Documentation submitted with the NFAP confirms that criteria set forth in Section 62-770.630(3), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the site, except as set forth below.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 62-770, F.A.C.

Additionally, you are required to properly abandon all monitoring wells except compliance wells required by Chapter 62-761, F.A.C., for release detection. The wells must be abandoned in accordance with the requirements of Rule 62-532.500(4), F.A.C.

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have a right to challenge the Department's decision. Such a challenge <u>may</u> include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 62-103, F.A.C., you may request an extension of time to file the Petition. <u>All requests for extensions of time or</u> petitions for administrative determinations must be filed

2.3.3.4 Conserve and Manuare Flands's Environment and Natural Resources".

Printed on recycled paper

BARWIEUSBUR D0062923

Mr. Gary W. Kuhl, P.E., Director Citrus County Public Works

directly with the Department's Office of General Counsel at the address given below within twenty-one (21) days of receipt of this notice (do not send them to the Bureau of Waste Cleanup).

Notwithstanding the above, a person whose substantial interests are affected by this Site Rehabilitation Completion Order may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within twenty-one (21) days of receipt of this notice. Failure to file a petition within this time period shall constitute a waiver of any right such persons have to request an administrative determination (hearing) pursuant to Section 120.57. F.S.

The Petition shall contain the following information: (a) The name, address, and telephone number of each petitioner, the Department file number (DEP facility number), and

the name and address of the facility; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial

interests are affected by the Department's action or proposed action;

(ð) A statement of the material facts disputed by each

petitioner, if any; (e) A statement of facts which each petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes each petitioner contends required reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action.

This Site Rehabilitation Completion Order is final and effective on the date of receipt of this Order unless a petition (or time extension) is filed in accordance with the preceding paragraph. Upon the timely filing of the petition, this Order will not be effective until further order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Mr. Gary W. Kuhl, P.E., Director Citrus County Public Works

Appeal must be filed within thirty (30) days from the date the Final Order is filed with the clerk of the Department.

.

.

Please send a copy of the approved CAR document(s) to Mr. Ken Weber of the Southwest Florida Water Management District within thirty (30) days of receiving this Site Rehabilitation Completion Order.

The DEP Facility Number for this site is 098503043. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Laurel Culbreth at (813) 744-6100, ext. 427 or Michael Bland at (904) 921-9986. Contact with the above named person does not constitute a petition for administrative determination.

Sincerely, 51 6 WW Richard D. Garrity, Ph.D.

Director of District Management

RDG/lcp

٩

CC: Anne M. Miller, EnviroAssessments, Inc. Citrus County Fire Prevention Bureau Michael Bland, FDEP-BWC Laurel Culbreth, FDEP-SWD Maura Sweeney, FDEP-SWD

4

FILE COPY Florida Department of Y Environmental Protection

Memorandum

To: Laurel Culbreth, Southwest District Office

FROM: Michael J. Bland, Technical Review Section mB Bureau of Waste Cleanup

DATE: May 30, 1995

SUBJECT: Citrus County - Crystal Aero Group Crystal River Airport 882 North Lindbergh Drive Crystal River, Citrus County DEP Facility #098503043

I have completed the review of the Contamination Assessment Report (CAR) Addendum and No Further Action Proposal (NFAP), dated April 19, 1995 (received April 24, 1995 [received April 21, 1995 at the Southwest District]), prepared and submitted by EnviroAssessments, for this site and recommend that the CAR be approved and a No Further Action Order issued to the responsible party.

If you should have any questions concerning this review, please contact me at 291-9986.

Site No. 47 Citrus County Public Works - Airport 882 Lindbergh Drive Crystal River, Florida FDEP I.D. No. 098945469

FLORIDA	Twin lowers O	Division C Division C Bureau of Pe	nt of Environmental Pro Blair Stone Road © Tallahassee, Of Waste Management stroleum Storage System Compliance Inspe	Florida 32399-2400 15	ų 7
Facility ID 89			CITRUS	Inspection Date	7/6/01
Facility Name Cr	•		•	Facility Type 7	County
L	°52'17" L			# USTs 2	# ASTs
Check box for type of inspect			•		
Compliance Inspection (A)		TCI >	<' Discharge Inspecti		TDI
Compliance Inspection (D		TCDI	Installation Inspect		TIN
Compliance Inspection (Co		TCPI	Closure Inspection		TXI
Compliance Re-Inspection		TCR			
Rule Cite	Description / In	spector's Co	mments		
		See	Page 5)	
	· · · · · · · · · · · · · · · · · · ·	for a	Co:MMe-	itS'	
	·				
Financial Responsibility – V	/erify owner's coverage	. Select Insuran	ce or Other. and provide	Mechanism, if appropriate,	
	_		-	Expiration Date:	
	ting federal financial res	ponsibility requir	ements. Mechanism:	Self	
None					
Based upon the inspection of Administrative Code 62-76 A re-inspection will be sched	results and information 1. Yes fulled on or after	provided by the O No days to verify cor	owner/operator, this fac O-CWOE-Co rection of the non-complia	llity appears to meet the recompliance without Enforcen nce items noted.	uirements of Florida cent
C. TRUS ENVICO. Storage Tank Program Office C. MARK SU		UTH	352-52)- Storage Tank Program (Office Phone Number	
ispector Name – Please Print	inner		Facility Representative	Name – Please Print	
Inspector Signature & Dat		101	Facility Representa	n)DCLIVIC.T tive Signature & Date	
	an an an an an an an an an an an an an a		and the second second second second second second second second second second second second second second second	Pa	.ge of

Florida Department of Environm al Protection

Bureau of Petroleum orage Systems Storage Tank Facility Compliance Inspection Report

Facility Name CITRUS GUTY Public Works Facility ID: 8945469 Date: 7/6/01

Ruie Cite	Description / Inspector's Comments
	Release detection is a manually veedor Rost
	TLS 350 CSCD, PUD. Bott Tanks
	and lines are tested continuously.
	all tank test vesults are kept in
	file at the office.
	a print out of the Bast tenk & line
	test results have been added to the
	file.
	The dispenser's liners and the stp
	Sumps have been visually inspected
	monthly and the conditions observed have been documented monthly.
	All three dispensed lines are dry.
	Ŷ
	Both the StP Sumpsare dry.
	The fillsare Marked Per Api 1637.
	They are both export with flow shotoff.
·	They are both equipped with flow shutoff. the spill buckets are dig t clean.
	The Monital Wells have been properly Abondonel.
	· · · · · · · · · · · · · · · · · · ·

Page 2 of 2

data is current as of: 21-JUN-2001

FDEP 51

×

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information District: SWD ID#: 8945469 Name: CITRUS CNTY-PUBLIC WORKS AIRPORT County: Citrus 822 N Lingberg Dr Type: County Government Crystal River, FL Status: Open Latitude: 28:52:17.0000 Contact: John Crump Public Works cms CMS Longitude: 82:34:35.0000 Phone: 352-527-7626 LL AGPS Method:

Account Owner Information Name: Citrus Cnty Dept Of Public Works Po Box 215 Lecanto, FL 34460 Phone: 352-746-6868

Tank Owner Information Name: Citrus Cnty Dept Of Public Works Po Box 215 Lecanto, FL 34460 Phone: 352-746-6868

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor	
1	10000	Unleaded Gas	12/01/1989	UNDER	U	Ą́f m z p o	C K J		2MS
2	10000	Vehicular Diesel	12/01/1989	UNDER	U	A F M O N P	C K J	G L 2 4	

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D).

No OPEN violations found!

ost Recent Insurance Document

http://tlhora2.dep.state.fl.us/www_stcm/owa/page_two

47



67

Sump Replacement Closure Summary for Citrus County Crystal River Airport Facility ID #098945469

×

FLORIDA DERIATI STOR ENVIRONALEVIAL PROFESSION JUL 141599 SOUTHWEST DISTRICT TAMPA

Prepared for:

Citrus County Public Works 1300 S Lecanto Highway Lecanto, FL 32661-9014

Prepared by:



Tampa Bay Engineering, Inc. 18167 US 19 North, Suite 550 Clearwater, FL 33764

May 1999

TBE Project No. 00084-001-01

Citrus County - Crystal River Airport

0

Sump Replacement Closure Summary

Table of Contents

Section	Title Page
1	INTRODUCTION & BACKGROUND1
2	SYSTEM UPGRADE AND ASSESSMENT ACTIVITIES System Upgrades 2 Monitoring Well Closures 2 Soil Assessment 2
3	CONCLUSIONS

APPENDICES

AppendixTitleAFIGURESFigure 1 -Site Map/Sampling LocationsFigure 2 -OVA Log

B LABORATORY ANALYSIS (SOIL)

i

Sump Replacement Closure Summary

Section 1

INTRODUCTION & BACKGROUND

This report summarizes fuel storage system upgrades and assessment activities at Citrus County's Crystal River Airport. Work was conducted by TBE and Norris & Samon Pump Service, Inc. in March-April 1999.

The site is currently occupied by the Crystal River Airport which is owned and operated by Citrus County. Two storage tanks are located on site as summarized below:

Contents	Above/Below Ground	Size
Unleaded Gas	Below Ground	10,000gallon
Diesel	Below Ground	10,000 gallon

All assessment activities were performed by TBE personnel using procedures outlined in TBE's Comprehensive Quality Assurance Plan (CompQAP) No. 920334G and FDEP's *Storage Tank System Closure Assessment Requirements*, revised April 1998.

1

Citrus County - Crystal River Airport

Sump Replacement Closure Summary

Section 2

SYSTEM UPGRADE AND ASSESSMENT ACTIVITIES

System Upgrades

System upgrades included the following:

- (1) Overfill prevention valves were installed within the existing tank fill risers. Modifications were made to the risers and drop tubes to accommodate the installation of the valves.
- (2) Portions of the concrete pad and backfill were removed to install tank sumps at both USTs. Environ tank sumps were then installed around the submersible turbine pumps (STP's) and the excavation area was restored with clean excavated backfill. New manhole rings and covers were installed above the two tank sumps and the concrete pad was restored.
- (3) The existing mechanical line leak detectors at each submersible pump were removed and replaced with Veeder Root electronic line leak detectors. Veeder Root Mag 1 tank probes were installed within the existing risers. The existing Gasboy was then upgraded to accommodate the Veeder Root systems.

Monitoring Well Abandonment

Four existing monitoring wells are scheduled to be properly closed with grout this month.

Soil Assessment

During installation of the tank sumps, TBE personnel collected pairs of soil samples next to each submersible pump for Organic Vapor Analysis (OVA) screening. Each soil sample was transferred to a 16-ounce mason jar, covered with aluminum foil, and screened with a Foxboro Model 128 GC Organic Vapor Analyzer (OVA), equipped with a flame-ionization detector. Petroleum-related OVA concentrations were then computed as the difference between the total OVA concentration and OVA concentration collected with a charcoal filtered probe. As shown in Appendix A, OVA concentrations up to 25 parts per million (ppm) were found in the area of the unleaded UST.

Tampa Bay Engineering, Inc. 1:\DOC\00084\00084001.00\Crystal-Closure2

2

Citrus County - Crystal River Airport

Sump Replacement Closure Summary

One soil sample from the unleaded gasoline tank sump excavation area with the highest OVA reading was collected and transported along with custody documentation to Savannah Laboratories for analysis per EPA methods 8021, 8310, and FL-PRO. Results are summarized below and laboratory reports included in Appendix C.

Constituent	Units	Detect Limit	Soil Cleanup Target Levels*	Unleaded UST -
Benzene	ug/kg	5.2	7	ND
Ethylbenzene	ug/kg	5.2	400	ND
Toluene	ug/kg	5.2	400	ND
Total Xylenes	ug/kg	5.2	300	ND
MTBE	ug/kg	52	200	ND
Acenaphthene	ug/kg	54	4,000	ND
Acenaphthylene	ug/kg	22	22,000	ND
Anthracene	ug/kg	4.3	2,000,000	ND
Benzo(a)anthracene	ug/kg	4.0	1,400	9.6
Benzo(a)pyrene	ug/kg	4.0	100	13
Benzo(b)fluoranthene	ug/kg	4.0	1,400	16
Benzo(g,h,i)perylene	ug/kg	11	2,300,000	ND
Benzo(k)fluoranthene	ug/kg	4.0	15,000	6.4
Chrysene	ug/kg	4.0	80,000	11
Dibenzo(a,h)anthracene	ug/kg	11	100	ND
Fluoranthene	ug/kg	10	550,000	21
Fluorene	ug/kg	11	87,000	ND
Indeno(1,2,3-c,d)pyrene	ug/kg	10	1,500	12
Naphthalene	ug/kg	22	1,000	ND
Phenanthrene	ug/kg	4.0	120,000	12
Pyrene	ug/kg	10	570,000	19
TRPH	mg/kg	12	340	ND

Soil Analysis Summary Sample Date: March 30, 1999

ug/l = micrograms per liter (ppb) mg/kg = milligrams per kilogram (ppm) ND = no detection

* lower of Direct Exposure 1 and Leachability Table V

Tampa Bay Engineering, Inc.

J:\DOC\00084\00084001.00\Crystal-Closure2

Citrus County - Crystal River Airport Sump Replacement Closure Summary

As shown above, no soil sample constituents exceeded Chapter 62-761 FAC targets for those constituents analyzed. Therefore, no groundwater sampling/analysis was required.

Sump Replacement Closure Summary

All han a man for the second statement of the second s

Section 4 CONCLUSIONS

- 1. System upgrades including installation of overfill protection, STP sumps, line leak detectors, and tank gauges has been completed at the Crystal River Airport.
- 2. A single soil sample from the unleaded gasoline STP sump excavation revealed no constituents exceeding Chapter 62-761 FAC targets.
- 3. No additional assessment appears warranted for this site.

SOIL ORGANIC VAPOR ANALYSIS SUMMARY

Unleaded Tank			Sample Date:	March 30, 1999
			OVA Results (ppm)	思。""你都是你们 第二章
Depth (ft)	Odor (y/n)	Unfiltered	Filtered	Petroleum Related Vapors
1	no	0	-	0
2	no	0	-	0
-3	по	60	40	20
4	no	45	20	25
5	по	10	10	0
6	no	90	100	0

Diesel Tank			Sample Date:	March 30, 1999		
		OVA Results (ppm)				
Depth (ft)	Odor (y/n)	Unfiltered	Filtered	Petroleum Related Vapors		
1	no	0	-	0		
2	no	0	-	0		
3	по	0	-	0		
4	no	5	5	0 .		
5	no	0	-	0		
6	no	. 45	40	5		
Note: 6-foot depth is	s top of tank (soil was	moist)		L		

OVA Log Figure 2



15

ŝ,

1. Cal.

The subscription

Citrus County - Crystal River Airport Sump Replacement Closure Summary

Appendix B LABORATORY ANALYSIS (SOIL) & MANIFEST

Tampa Bay Engineering, Inc. J:\DOC\00084\00084001.00\Crystal-Closure2

May 1999

語をいたいたいというないである。

SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

V . V

6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7049 • www.savlabs.com LOG NO: B9-50947 Received: 31 MAR 99 Reported: 12 APR 99 Mr. Steve Howarth Tampa Bay Engineering, Inc. 18167 U.S. 19, North Suite 550 Clearwater, FL 34624 Project: Crystal River/00084-001-00 Sampled By: Client Code: 114090412 REPORT OF RESULTS Page 1 DATE/ SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES TIME SAMPLED LOG NO _____ ___ ____ 03-30-99/1145 UNLEADED-4' 50947-1 -----PARAMETER 50947-1 _____ Purgeable Aromatics (8021) Benzene, ug/kg dw <5.2 <5.2 Ethylbenzene, ug/kg dw < 5.2 Toluene, ug/kg dw <5.2 Xylenes, ug/kg dw Total Volatile Organic Aromatics, ug/kg dw < 5.2 yl Tert Butyl Ether (MTBE), ug/kg dw <52 1 . Analyzed 04.03.99 Ĺ

32

and and the second concerns the second second



6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7049 • www.savlabs.com

LOG NO: B9-50947 Received: 31 MAR 99 Reported: 12 APR 99 Mr. Steve Howarth Tampa Bay Engineering, Inc. 18167 U.S. 19, North Suite 550 Clearwater, FL 34624 Project: Crystal River/00084-001-00 Sampled By: Client Code: 114090412 REPORT OF RESULTS Page 2 DATE/ SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES LOG NO TIME SAMPLED UNLEADED-4' 50947-1 03-30-99/1145 _____ PARAMETER 50947-1 ______ ___ Polynuclear Aromatics (8310) Acenaphthene, ug/kg dw <54 Acenaphthylene, ug/kg dw <22 Anthracene, ug/kg dw <4.3 Benzo(a) anthracene, ug/kg dw 9.6 Benzo(a)pyrene, ug/kg dw 13 enzo(b)fluoranthene, ug/kg dw 16 Benzo(g,h,i)perylene, ug/kg dw <11 Benzo(k)fluoranthene, ug/kg dw 6.4 Chrysene, ug/kg dw 11 Dibenzo(a,h)anthracene, ug/kg dw <11 Fluoranthene, ug/kg dw 21 Fluorene, ug/kg dw <11 Indeno(1,2,3-cd)pyrene, ug/kg dw 12 Naphthalene, ug/kg dw <22 Phenanthrene, ug/kg dw 12 Pyrene, ug/kg dw 19 2-Methylnaphthalene, ug/kg dw <22 1-Methylnaphthalene, ug/kg dw <22 Date Extracted 04.02.99 Date Analyzed 04.05.99 Petroleum Range Organics (FL-PRO) . Petroleum Hydrocarbons , mg/kg dw <12 Date Extracted 04.05.99 Date Analyzed 04.08.99 Percent Solids 92



6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7049 • www.savlabs.com

LOG NO: B9-50947 Received: 31 MAR 99 Reported: 12 APR 99

ŀ

日本語ということになっている

Mr. Steve Howarth Tampa Bay Engineering, Inc. 18167 U.S. 19, North Suite 550 Clearwater, FL 34624

> Project: Crystal River/00084-001-00 Sampled By: Client Code: 114090412 RESULTS Page 3

REPORT OF RESULTS

DATE/ SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED LOG NO ______ ____ ____ Method Blank 50947-2 50947-3 Accuracy (%Rec) 50947-4 Precision (%RPD) _____ 50947-3 50947-2 PARAMETER 50947-4 _____ Purgeable Aromatics (8021) Benzene, ug/kg dw <5.0 88 8 2.3 % Ethylbenzene, ug/kg dw <5.0 ------96 % Toluene, ug/kg dw <5.0 1.0 응 enes, ug/kg dw <5.0 - - ---al Volatile Organic Aromatics, ug/kg dw <5.0 ------Methyl Tert Butyl Ether (MTBE), ug/kg dw ---<50 - - -04.03.99 04.03.99 Date Analyzed - - -

712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7049 • www.savlabs.com LOG NO: B9-50947 Received: 31 MAR 99 Reported: 12 APR 99 Mr. Steve Howarth Tampa Bay Engineering, Inc. 18167 U.S. 19, North Suite 550 Clearwater, FL 34624 Project: Crystal River/00084-001-00 Sampled By: Client Code: 143690412 REPORT OF RESULTS Page 4 DATE/ SAMPLE DESCRIPTION , QC REPORT FOR SOLID/SEMISOLID TIME SAMPLED OG NO _____ Method Blank 0947-2 Accuracy (%Rec) 0947-3 Precision (%RPD) 0947-4 _____ 50947-2 50947-3 50947-4 ARAMETER -------Olynuclear Aromatics (8310) Acenaphthene, ug/kg dw <50 66 % 4.6 % <20 ---Acenaphthylene, ug/kg dw ---<4.0 _ _ _ Ar -acene, ug/kg dw ---- - -(a)anthracene, ug/kg dw <4.0 ---Βŧ ---Benzo(a)pyrene, ug/kg dw <4.0 ~ - -Benzo(b)fluoranthene, ug/kg dw ---<4.0 ---Benzo(g,h,i)perylene, ug/kg dw _ _ _ <10 ---Benzo(k)fluoranthene, ug/kg dw <4.0 - - -~ - -80 % Chrysene, ug/kg dw <4.0 6.2 % Dibenzo(a,h)anthracene, ug/kg dw <10 ------_ _ _ Fluoranthene, ug/kg dw <10 ---69 % <10 0 % Fluorene, ug/kg dw Indeno(1,2,3-cd)pyrene, ug/kg dw <10 - - -× - -61 % · 0 응 Naphthalene, ug/kg dw <20 <4.0 - - -Phenanthrene, ug/kg dw ---75 % Pyrene, ug/kg dw <10 8.0 % 2-Methylnaphthalene, ug/kg dw <20 ---- - -1-Methylnaphthalene, ug/kg dw <20 ------04.02.99 04.02.99 Date Extracted ---04.05.99 04.05.99 Date Analyzed etroleum Range Organics (FL-PRO) Petroleum Hydrocarbons , mg/kg dw 81 % <10 15 % Date Extracted 04.05.99 04.05.99 ---04.06.99 04.06.99 Date Analyzed ----------

SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

	Road • Suite 100 • Tampa, F	L 33634 • (813) 885-7427 • Fax (813) 885-	-7049 • www.savia	bs.com
			LOG NO:	B9-50947
			Received:	31 MAR 99
			Reported:	12 APR 99
Mr.	Steve Howarth			
	pa Bay Engineering, In			
181	67 U.S. 19, North Suit	ce 550		
Cle	arwater, FL 34624			
		REPORT OF RESULTS	-	by: Client 114090412 Page 5
				-
			DATE/	
g no	SAMPLE DESCRIPTION ,	QC REPORT FOR SOLID/SEMISOLID	•	
			•	

1. S. F.

1000

CALCULAR DE

P

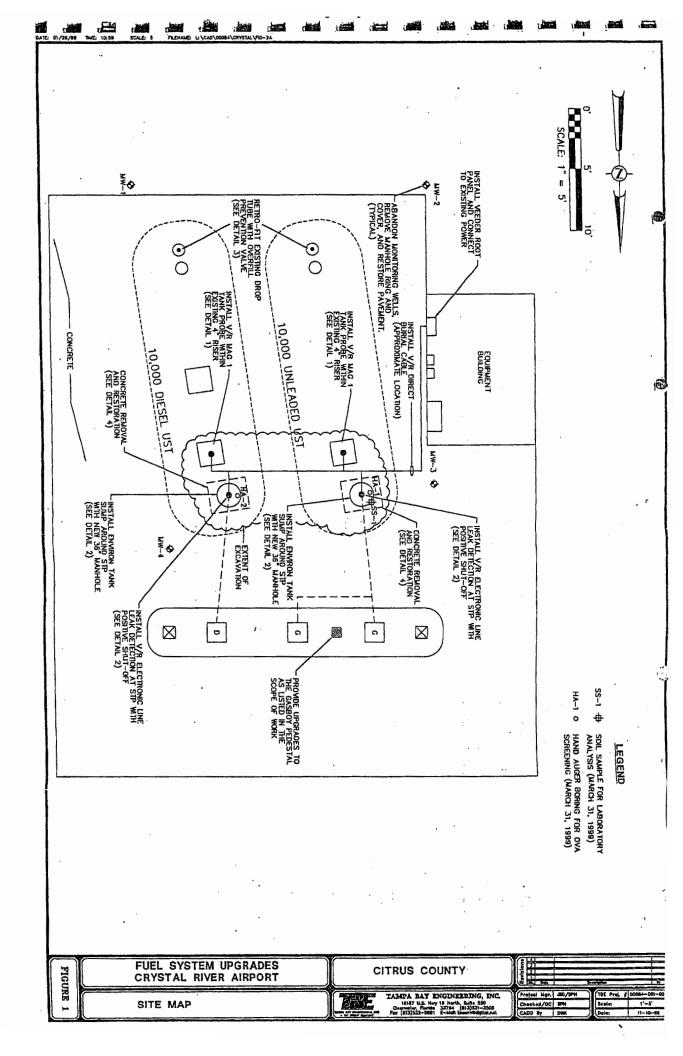
.chael F. Valder, Project Manager

SAVANNAH LABORATORIES	& ENVIRONMENTAL SERVICES, INC.
IJ	

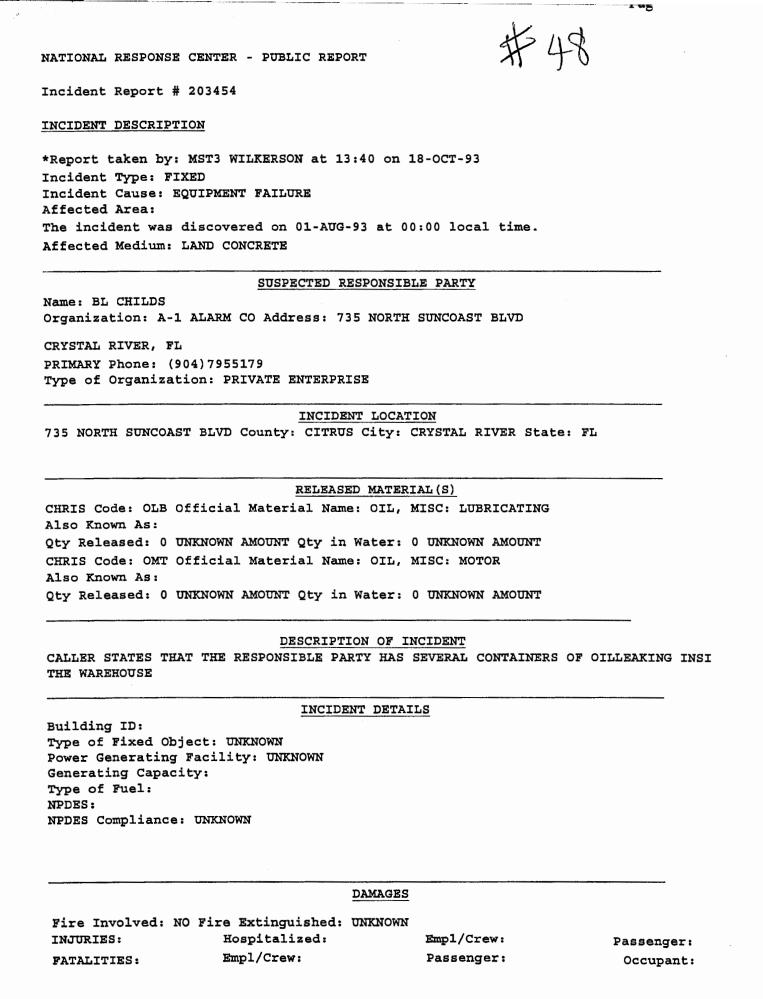
ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

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

PROJECT	PROJECT REFERENCE	ц		PROJECT NO	CN	PO NUMBER	. HE		F		. موس						
Cnyster		RIVEY		48000	5				MATRIX TYPE			REQUI	REQUIRED ANALYSES	YSES		PAGE	ie (or/
		UN ER(S) NAW	VAME - Kress	2	PHONE FAX	E 531-3505	3505		AVE C			0					
CLIENT NAME	WE	36		CLIENT P	CLIENT PROJECT MANAGER STOPLE BOWD	AANAGER Kawarel		100		Long Co	22, con 40, con 10, con						STANDARD REPORT DELIVERY
CLIENT AD	CLIENT ADDRESS (CITY, STATE, ZIP)	S (CITY, STATE, ZIP)	Sov P								×					DELIVERY	EXPEDITED REPORT DELIVERY(surcharge)
SAMPLE	PLE	S S	11 5)				20 K		~/ /	$\sqrt{-1}$	(SEK/SS)	(<u> </u>		/ Da	Dale Due:	
DATE	TIME	25	Ś	SAMPLE IDENTIFICATION	NTIFICATI	NO	AQUANCE A	02/2/2/2		NUMBI	ER OF COI	NUMBER OF CONTAINERS SUBMITTED	SUBMITTE	D.		REMARKS	S
3-3099	SHII	2	UN/Euled	el - 4	11				3	-							
					·												
RELINQUISHED BY (SIGNATURE)	HED BY: (S	SIGNATURE	(E	DATE	TIME .	RELINOLAGHE	HELLER	DBY: (SIGNATURE)	RE)	DATE 31.99	PM 1535		IISHED BY:	RELINQUISHED BY: (SIGNATURE)	6	DATE	TIME
RECEIVED BY: (SIGNATURE)	BY: (SIGNA	劉		DATE 3-29-99	TIME 2000 ·	REDENCE	DBY: (SIGN	(SIGNATUREY	109	2 DATE 3.3.79	TIME		RECEIVED BY: (SIGNATURE)	ATURE)		DATE	TIME
							LA	LABORATORY	JRV USE	ONL							
RECEMPED	FORLABOF	ATORY B	VISIGNATU		TIME		CUSTODY INTACT		CUSTODY SEAL NO		SL LOG NO.		RATORY RE	LABORATORY REMARKS:			
XALAN	1 AN	j Co	2	15-51	3-51-17/10-26	6 DYES	ES NO			A	100-509	1.V					



Site No. 48 A-1 Alarm Company 735 N. Suncoast Boulevard Crystal River, Florida ERNS I.D. Nos. 343840 and 203454



Damages:	•
----------	---

					Length of	Direction	of
Closure Ty	pe Des	cription o	f Closure		Closure	Closure	
Air:	N						
Road:	N						
Nouur	14						7
Waterway:	N						
Track:	N						
<u></u>			REMEDIAL A	ACTIONS			
Release Sec	cured: UN	KNOWN Rele	ase Rate: Est	imated Releas	e Duration:		
and a second state of the second		the second second second second second second second second second second second second second second second s	a statistististi ole alla desense programmada a sub subsector		and the state of the state of the state of the state of the state of the state of the state of the state of the	Server and the second second second second second second second second second second second second second second	pro for the left
			WEATH	HER			
		ADI	DITIONAL AGENO	CIES NOTIFIED			
Federal:							
State/Loca	1:						
	1 On Saar						
State/Loca	L OII SCEL	le:					
State/Loca State Agen							
			NOTIFICATION	IS BY NRC			
State Agen	cy Number		NOTIFICATION	IS BY NRC MR MILITS	CHER		
State Agen U.S. EPA I	cy Number		NOTIFICATION	MR MILITS			
State Agen U.S. EPA I MSO TAMPA	Number V 18-OCT-93	3 13:47	NOTIFICATION				
State Agen U.S. EPA I MSO TAMPA	Number V 18-OCT-93		NOTIFICATION	MR MILITS			
State Agen U.S. EPA I MSO TAMPA	Number V 18-OCT-93	3 13:47	NOTIFICATION ADDITIONAL IN	MR MILITS			
State Agen U.S. EPA I MSO TAMPA	Number V 18-OCT-93	3 13:47 3 13:47		MR MILITS PO FRANKL			

NATIONAL RESPONSE CENTER - PUBLIC REPORT Incident Report # 203454 INCIDENT DESCRIPTION *Report taken by: MST3 WILKERSON at 13:40 on 18-OCT-93 Incident Type: FIXED Incident Cause: EQUIPMENT FAILURE Affected Area: The incident was discovered on 01-AUG-93 at 00:00 local time. Affected Medium: LAND CONCRETE SUSPECTED RESPONSIBLE PARTY Name: BL CHILDS Organization: A-1 ALARM CO Address: 735 NORTH SUNCOAST BLVD CRYSTAL RIVER, FL PRIMARY Phone: (904)7955179 Type of Organization: PRIVATE ENTERPRISE INCIDENT LOCATION 735 NORTH SUNCOAST BLVD County: CITRUS City: CRYSTAL RIVER State: FL RELEASED MATERIAL(S) CHRIS Code: OLB Official Material Name: OIL, MISC: LUBRICATING Also Known As: Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT CHRIS Code: OMT Official Material Name: OIL, MISC: MOTOR Also Known As: Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT DESCRIPTION OF INCIDENT CALLER STATES THAT THE RESPONSIBLE PARTY HAS SEVERAL CONTAINERS OF OILLEAKING INSI THE WAREHOUSE INCIDENT DETAILS Building ID: Type of Fixed Object: UNKNOWN Power Generating Facility: UNKNOWN Generating Capacity: Type of Fuel: NPDES: NPDES Compliance: UNKNOWN DAMAGES Fire Involved: NO Fire Extinguished: UNKNOWN INJURIES: Hospitalized: Empl/Crew: Passenger:

Passenger:

Empl/Crew:

FATALITIES:

Occupant:

Damages:

				Length of Direction	n of
Closure Typ	e	Descr	iption (of Closure Closure Closure	2
Air:	м				
Road:					:
koad:	N				A
Waterway:	N				
Frack:	N				
				REMEDIAL ACTIONS	
NONE					
Release Sec	ured:	UNKI	NOWN Rel	ease Rate: Estimated Release Duration:	
	N. State of the Control of States	Thereast M. M. S. T.			Activity
				WEATHER	
			AD	DDITIONAL AGENCIES NOTIFIED	
- -					
Federal:					
State/Loca		_			
State/Loca	LOns	Scene	:		
State Agen	cy Num	wher:			
				NOTIFICATIONS BY NRC	
U.S. EPA I	v			MR MILITSCHER	
	18-007	r -93	13:47		
MSO TAMPA				PO FRANKLIN	
	18-0C1	r-93	13:47		
				ADDITIONAL INFORMATION	
				ADDITIONAL INFORMATION INCIDENT REPORT # 203454 ***	

NATIONAL RESPONSE CENTER - PUBLIC REPORT

Incident Report # 343840

INCIDENT DESCRIPTION

*Report taken by: MST3 RUTHERFORD at 18:13 on 25-MAY-96 Incident Type: PLATFORM Incident Cause: OTHER Affected Area: The incident occurred on 25-MAY-96 at 16:30 local time. Affected Medium: WATER GULF OF MEXICO

SUSPECTED RESPONSIBLE PARTY

Name: AMY PITRE Organization: CHEVRON Address: PO BOX 646

VENICE, LA 70091 PRIMARY Phone: (504)5346680 Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION STATE LEASE#2557 County: MAIN PASS State: LA Latitude: 29 Degrees 17' 5" N

Longitude: 89 Degrees 5' 55" W

RELEASED MATERIAL(S) CHRIS Code: OIL Official Material Name: OIL: CRUDE Also Known As: Qty Released: 4 GALLON(S) Qty in Water: 4 GALLON(S)

DESCRIPTION OF INCIDENT

PLATFORM/FLARE SCRUBBER DEVELOPED A LEAK

INCIDENT DETAILS

Platform Rig Name: Platform Letter: Location Area ID: Location Block ID: OCSG Number: OCSP Number: State Lease Number: Pier Dock Number: Berth Slip Number:

		DAMAGES	
Fire Involved:	NO Fire Extinguished:	UNKNOWN	
INJURIES:	Hospitalized:	Empl/Crew:	Passenger:
FATALITIES:	Empl/Crew:	Passenger:	Occupant:

Damages:

Length of Direction of

Closure Closure

Closure TypeDescription of ClosureAir:NRoad:NWaterway:N

Track: N

REMEDIAL ACTIONS

USED SORBENTS TO RECOVER Release Secured: UNKNOWN Release Rate: Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene:

State Agency Number:

NOTIFICATIONS BY NRC

LA DEPT OF ENV QUAL		?????
25-MAY-96 00	:00	(504)2958418
MSO NEW ORLEANS	:	PO HATCHER
25-MAY-96 18	:17	
DOI/OEPC - R6		?????
25-MAY-96 00	:00	(505)7661059
LA STATE POLICE		?????
25-MAY-96 00	:00	(504)9221588
NOAA RPTS RGN VI (1ST CL	ASS BB)	?????
25-MAY-96 00	:00	(202)2672165

ADDITIONAL INFORMATION

SHEEN SIZE: 1250 FT X 50 FT/COLOR: BROWN

*** END INCIDENT REPORT # 343840 ***

and a state of the second second second second second second second second second second second second second s

1 11 11 man ----- mil/man ----- ani/murari60 ave?fais hmn+inc sea=343840

M Ar Site No. 50 Crystal River Firestone 990 N. Suncoast Boulevard Crystal River, Florida FDEP I.D. Nos. 099200504 and 099600003 EPA I.D. No. FLD0398894340

Fl Ja Department of Environmental J Section Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, riorida 32399-2400 Division of Waste Management Bureau of Petroleum Storage Systems							
FLORIDA Bureau of Petroleum Storage Systems							
	Storage	Tank Fac	cility C	Compliance Insp	ection Report	t ·	
Facility ID 92C	0504	County 2	09	CITRUS	Inspectio	on Date $2/2$	101
Facility Name	ISTAL RIV	ERE	RE	STONE	Facility 7	Гуре <u>С-</u>	ER
Latitude 28°S	2,30	Longitud	e 82	°3 4 °49'	L/L Me	thod A-GP	25
Check box to identify type of ins Provide Lat/Long Determination Provide the count of USTs and/o	Method. ("Map", '	'AGPS" (Ma	gellan), '		# USTs Inspected	# ATSs Inspected	1
Compliance Inspection (Ann	ual)	TCI	· · ·	Installation Inspec	tion	TIN	
Compliance Inspection (DRI		TCDI		Closure Inspection		TXI	\mathbf{X}
Compliance Inspection (Con	plaint received)	TCPI		Compliance Re-In		TCR	ľ
Discharge Evaluation ("shor	t form")	TDI		** Record the resu	ilts of the TDI in a	Discharge Project	
• "Code" in block below correspo	nds to the Rule Cite; rep	presents a Data	Entry Cod	le for ease of electronic da	ta recording of inspect	tion results.	
Rule Cite 62-761	Description / In						Code
-450(1)(2)	Verbal	oru	writ	len notic	e not	- provided	
				closure		ł	
	10/100	5 10.		Closon			
50(1)(4)3	<u>U8 410</u>	sr 1	Doti 1	fication.	to not	provided.	
.800(4)(1)5	written	Certif	i cat	ion not	Provided	ALat	
	thee we	S no	d	isclarge	from	the	
	Systen			0			
	27312						
		Salaat Z					L
Financial Responsibility – Ve							
Insurance Carrier:				Effective Date:	Expi	ration Date:	
Other Coverage meeting	ng federal financial r	esponsibility	requirer	nents. Mechanism:			
Other Coverage meeting federal financial responsibility requirements. Mechanism:							
None None							
Based upon the inspection res Florida Administrative Code A re-inspection will be schedul	62-761.	O Yes		XN0 O	CWOE - Compli	meet the requirement ance without Enforce	
A re-inspection will be scheduled on or after days to verify correction of the non-compliance items noted							
CITRUS ENVIRONMENTAL HEALTH 352-527-5295.							
Storage Tank Program Office Phone Number							
Inspector Name – Please Print Facility Representative Name – Please Print							
Cark - 2/2/01 Illailed to OWNER.							
Le ctor Signature & Date Facility Representative Signature & Date							
						- 1	. 7

Page	of	2

1

p

torage Tank Facility Compliance Inspection Report

acility Name: CRYSTAL RIVER FIRESTON & Facility ID: 120504 Date: 2/2/01

Description / Inspector's Comments Cite The BOS New/ lube oil tank was removed and replaced with 500 gallon AST for the new / lube oil. It is on known what was dre with the old AST AS the Citius Carty ENVISONMENTEL health Section was not Present during removal The New tank has been instelled - Hei Concrete part that the old tank was on a picture was taken of the new tank. and the Concrete pad at the base of the new tank With the new tank. There is some staining of the concrete around the new tank (where old tank used to be) See plotograph Afilled out registration form is included with this inspection to be signed and Sent to Tallahassee to slow the tank has been removed from facility.

Page 2 of 2

Site No. 51 Ewell Concrete (aka Masons Concrete of Crystal River) 1041 N. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098520455 EPA I.D. No. FLD982169955



State of Florida DEPARTMENT OF ENVIRONMENTAL REGULATION

	For Routing To Other The	The Addresses
10. .		Location
*		Locenon:
3		Location
From		Date

Interoffice Memorandum

то:	Paula Noblitt, Southwest District Office
THROUGH:	Tim Bahr, Technical Review Section Bureau of Waste Cleanup
FROM:	Jorge R. Caspary, Technical Review Section JPC Bureau of Waste Cleanup
DATE:	March 27, 1991
SUBJECT:	No Further Action Proposal Mason's Concrete Ready Mix , Inc. Crystal River Plant, Citrus County. DER File No. 90-1804

Based on my review of the Contamination Asessment Reports (CARs) prepared by Dames and Moore and Law Environmental for the above referenced facility, I concur with the consultant's "No Further Action Proposal" recommendation for the petroleum related contamination.

Supplemental work to determine the source, degree and extent of the elevated pH values in the soil and groundwater is recommended.

If you have any questions, please contact me at Suncom 278-0190.



LAW OFFICES

LAWRENCE J. MARCHBANKS, P.A. SANCTUARY CENTRE TOWER E 4800 NORTH FEDERAL HIGHWAY SUITE IOI E BOCA RATON, FLORIDA 33431

THOMAS D. DAIELLO DANA C. FERRELL DONALD M. HOMER SUZANNE M. LEIDER LAWRENCE J. MARCHBANKS STEPHEN R. PHILLIPS JAMES R. WEBB

· •

TELEPHONE (407) 384-6509 WEST PALM BEACH (407) 832-5032 BROWARD (305) 760-4311

TELEFAX (407) 750.9624

D0061490

February 28, 1991

Ms. Paula Noblitt Environmental Specialist II Florida Department of Environmental Regulation 4520 Oak Fair Boulevard Tampa, Florida 33610-7347

Re: Mason's Concrete Ready Mix, Inc. D.E.R. File No: 90-1804, Citrus County

Dear Ms. Noblitt:

This will acknowledge receipt of your proposed Consent Order under cover of February 12, 1991. I am in the process of reviewing the Consent Order and contamination assessment plans with Mason's Concrete's environmental engineers and I should be able to furnish you with a detailed response, if necessary, shortly.

It is my hope that it will not be necessary to negotiate an extensive consent order, since the matters cited in D.E.R.'s Warning Notice of July 5, 1990, have been voluntarily rectified. Specifically addressing those matters:

1. Alleged unauthorized discharge of petroleum products to the ground.

In accordance with the provisions of Rule 17-770.300(7), F.A.C., Mason's Concrete has completed the remedial action outlined in this firm's letter to you of October 19, 1990. The procedure was overseen and the results verified by Dames & Moore, Mason's Concrete's environmental engineers. The results were confirmed by Law Environmental, Inc., Ms. Paula Noblitt Page Two February 28, 1991

> an independent environmental engineering firm recommended by the Citrus County State Attorney's Office. For your information, I have enclosed copies of the final reports issued by both Dames & Moore and Law Environmental, Inc. Please note that Law Environmental, Inc. was retained at the request of the Citrus County State Attorney's Office for the express purpose of providing an independent review of Dames & Moore's investigation, tests and findings. As such, Law Environmental, Inc. was granted complete discretion in its investigation.

2. Alleged unauthorized discharge of process water to the ground and into an unlined pond.

Mason's Concrete has taken remedial action to minimize the discharge of process water resulting from overflow of its existing water clarifier pending approval of its application for an industrial wastewater processing permit. Mr. Mark Lefebvre of Dames & Moore has previously consulted you regarding a permit for a permanent industrial wastewater recycle system. At your recommendation, however, the permit application has not been submitted. Mason's Concrete and Dames & Moore are prepared to immediately submit the permit application and implement a permanent remedy notwithstanding continuing negotiation of a consent order.

3. Alleged unauthorized discharge of boiler blow-down water to the ground.

Mason's Concrete has taken measures to abate the direct discharge of hot boiler blow-down into the ground by constructing a 4' x 4' concrete pad and berm at the discharge site. Masons's Concrete intends to permanently alleviate this condition as part of its industrial wastewater recycle system. Ms. Paula Noblitt Page Three February 28, 1991

> Alleged unauthorized discharge of truck wash-down water to the ground and into an unlined pond.

In compliance with D.E.R.'s Warning Notice of July 5, 1990, Mason's Concrete has ceased using hazardous materials (phosphoric acid) in its truck washdown. The truck wash procedure will also be fully remedied as part of Mason's Concrete's industrial wastewater recycle system.

All of the matters addressed in D.E.R.'s Warning Notice have either been remedied or will be remedied in Mason's Concrete industrial wastewater processing plan. This plan will also address the Department's concerns over stormwater runoff maintenance, as deemed necessary after consultation between the Department and Mason's Concrete's environmental engineers. Since the application for a wastewater processing permit is ready for prompt filing, Masons's Concrete sees no need to delay a permanent solution to these matters by negotiation of a consent order.

Mr. Michael Glowacz of Dames & Moore will meet with you to discuss the contents of this letter in greater detail and, hopefully, resolve the Department's concerns informally.

Very truly yours,

ι.

Lawrence J. Marchbanks

LJM/nn

enclosures



State of Florida DEPARTMENT OF ENVIRONMENTAL REGULATION

	Per Revong To Other Than	The Andreusee
•		Locenon
ه <u> </u>		Location
		See

Interoffice Memorandum

TO:	Paula Noblitt, Southwest District Office
THROUGH:	Tim Bahr, Technical Review Section Bureau of Waste Cleanup
FROM:	Jorge R. Caspary, Technical Review Section 170 Bureau of Waste Cleanup
DATE:	March 27, 1991
SUBJECT:	No Further Action Proposal Mason's Concrete Ready Mix , Inc. Crystal River Plant, Citrus County. DER File No. 90-1804
	my review of the Contamination Asessment Reports (CAR

Based on my review of the Contamination Asessment Reports (CARs) prepared by Dames and Moore and Law Environmental for the above referenced facility, I concur with the consultant's "No Further Action Proposal" recommendation for the petroleum related contamination.

Supplemental work to determine the source, degree and extent of the elevated pH values in the soil and groundwater is recommended.

If you have any questions, please contact me at Suncom 278-0190.

D0061492

Site No. 52 Florida Pest Control & Chemical Company 2020 N. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098623298

CITRUS COUNTY



DEPARTMENT OF DEVELOPMENT SERVICES

1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

November 8, 1991

Mr. Dale Godshall Florida Pest Control 202 S. Hwy. 19 Crystal River, Florida 32627

Ref. Fac. # 098623298 Florida Pest Control

Dear Mr. Godshall.

The Analytical results submitted by Gary Dounson & Associates, Inc., as part of storage tank removal at the referenced facility showed levels of Petroleum Hydro-Carbons <u>in the water</u> which are greater than state allowable levels. There was no contamination levels found in the soil. A discharge reporting form was filed with Dept. of Environmental Regulations by Gary Dounson & Associates.

You are advised to initiale clean-up action at this facility pursuant to Chapter 17-770 Florina Administrative Code (attached). A Contamination Assessment Report should be submitted by 04-30-92 per rule 17-770.660 Florida Administrative Code. All reports should be forwarded to the D.E.R. Southwest District, 4520 Oak Fair Blvd., Tampa, Florida 33610. Att: Nancy Evans, or Telephone at (813)623-5561.

Sincerely,

Richard T. Sogna Fuel Tank Inspector Citrus County Fire Prevention

Attachments: 17-770

cc: Nancy Evans D.E.R. Southwest District Gary Dounson

	Florida Department of Environmental Regulation	Form Tide Discharge Reporting Form
1	Twin Towers Office Bldg. @ 2600 Blair Stone Road @ Tallahassee, Florida 32399-2400	Effective Date_December 10, 1990 DER Application No
1 STA	te of flog for	DER Application No
	Discharge Reporting Form	
		19 01 2 - 1/19 01
Usı	form to notify the Department of Environmental Regulation of:	
	Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test	
	Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.C	
	Hazardous substance (CERCLA regulated) discharges exceeding applicable reportable quantities esta one working day of the discovery.	
4.	Within one working day of discovery of suspected releases confirmed by: (a) released regulated su the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gas or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive week	results from a leak detection method uging results for tanks of 550 gallons
	Mail to the DER District Office in your area listed on the reverse side of the	is form
	PLEASE PRINT OR TYPE Complete all applicable blanks	
1.	DER Facility ID Number: 098623298 2. Tank Number: 1	3. Date: 10/30/91
	Facility Name: Florida Pest Control & Chemical Co.	
	Facility Owner or Operator: Florida Pest Control & Chemical Co.	
	Facility Address: 2020 Hwy, 19, South, Crystal River	
	Telephone Number: (<u>904</u>) 795-3614 County: <u>Citrus</u>	
	Mailing Address: 116 NW 16th Ave., Gainesville, FL 32629	
ţ	e of receipt of test results or discovery: 10/30/91	
6.	Method of initial discovery. (circle one only) A. Liquid detector (automatic or manual) B. Vapor detector (automatic or manual) E. Inventory control. G. Closure:	
7.	Estimated number of gallons discharged:	· · · · · · · · · · · · · · · · · · ·
8.	What part of storage system has leaked? (circle all that apply) A. Dispenser B. Pipe C.	Fitting D. Tank EUnknown
9.	Bunleaded gasoline F. aviation gas M. diesel chlorine and derivativ C. gasohol G. jet fuel O. new/lube oil Service CAS number	ce includes pesticides, ammonia, res (write in name or Chemical Abstract er) e)
	Cause of leak. (circle all that apply) Duknown C. Loose connection E. Puncture G. Spill B. Split D. Corrosion F. Installation failure H. Overfill	I. Other (specify)
11.	Type of financial responsibility. (circle one)A. Third party insurance provided by the state insurance contractorC. Not applicableB. Self-insurance pursuant to Chapter 17-769.500 F.A.C.D None	
12	To the best of my knowledge and belief all information submitted on this form is true, as	ccurate, and complete.
	D. R. Sapp, Jr., Owner	MAN X
	inted Name of Owner, Operator or Authorized Representative Signature of Owner, Operator	erator or Authorized Representative
	180 Governmental Center 7825 Baymeadows Way, Suite B 200 3319 Maguire Blvd. Suite 232 4520 Oak Fair Blvd. 22 Pensecita, Florida 32501-5794 Jacksonville, Florida 32207 Orlando, Florida 32603-3767 Tampa, Florida 33610-7347 Fort Myers.	uth District Southeast District 59 Bay St. 1900 S. Congress Ave. Sure A Plorida 33901-2896 West Palm Beach, Fonda 33405 -332-6975 407-433-2650

-*,

r



Florida Department of Environmental Regulation

Twin Towers Office Bldg.

2600 Blair Stone Road

Tallahassee, Florida 32399-2400
Lawton Chiles, Governor

Carol M. Browner, Sceretary

October 30, 1992

Mr. D.R. Sapp Florida Pest Control & Chemical Company 116 Northwest 16th Avenue Gainesville, Florida 32602

> RE: Florida Pest Control & Chemical Company 2020 U.S. Highway 19 South Crystal River, Florida DER Facility #098623298

Dear Mr. Sapp:

The Bureau of Waste Cleanup has reviewed the Contamination Assessment Report (CAR) Addendum and No Further Action Proposal (NFAP), dated October 12, 1992 (received October 26, 1992), submitted for this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 17-770.630(3), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the site, except as set forth below.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 17-770, F.A.C.

Additionally, you are required to properly abandon all monitoring wells except compliance wells required by Chapter 17-761, F.A.C., for release detection. The wells must be abandoned in accordance with the requirements of Rule 17-532.500(4), F.A.C.

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have the right to challenge the Department's decision. Such a challenge <u>may</u> include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 17-103, F.A.C., you may request an extension of time to file the Petition. <u>All requests for extensions of time or</u> <u>petitions for administrative determinations must be filed</u> <u>directly with the Department's Office of General Counsel at the</u>

D0061150

Mr. D.R. Sapp October 30, 1992 Page Two

address given below within twenty-one (21) days of receipt of this notice (do not send them to the Bureau of Waste Cleanup).

Notwithstanding the above, a person whose substantial interests are affected by this Site Rehabilitation Completion Order may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within twenty-one (21) days of receipt of this notice. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the Department file number (DER facility number), and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by each petitioner, if any;
- (e) A statement of facts which each petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes each petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action.

This Site Rehabilitation Completion Order is final and effective on the date of receipt of this Order unless a petition (or time extension) is filed in accordance with the preceding paragraphs. Upon the timely filing of a petition, this Order will not be effective until further order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Mr. D.R. Sapp October 30, 1992 Page Three

Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the Clerk of the Department.

Please send a copy of the approved CAR document(s) to Ken Weber of the Southwest Florida Water Management District within thirty (30) days of receiving this Site Rehabilitation Completion Order.

The DER Facility Number for this site is 098623298. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Michael J. Bland at (904) 488-0190. Contact with the above named person does not constitute a petition for administrative determination.

sincerely, Monddell

John M. Ruddell, Director Division of Waste Management

JMR/mjb

cc: Gary Dounson, Gary Dounson & Associates - Gainesville Dick Sosna, Citrus County Fire Prevention Bureau

Site No. 56 Palms ACE Hardware 1321 SE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 099101562



Lawton Chiles

Governor

Florida Department of Environmental Protection

Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

And Star

56

-CERTIFIED MAIL-RETURN RECEIPT-

October 29, 1993

Mr. Walter Bunts W. & L. B. Corporation Post Office Box 666 Crystal River, Florida 32623

RE: Ace Hardware 1321 Southeast Highway 19, Crystal River, Florida DEP Facility #099101562

Dear Mr. Bunts:

Subject: Application for Eligibility for Restoration Coverage Under the Abandoned Tank Restoration Program

The Florida Department of Environmental Protection (DEP) has reviewed documents you submitted as application for eligibility for Restoration Coverage under the requirements of the Abandoned Tank Restoration Program (ATRP), Chapter 17-769.800, Florida Administrative Code (F.A.C.). Based upon this information which you have provided, the subject facility is ineligible for participation in the ATRP for the following reason(s):

"Eligibility in the Abandoned Tank Restoration Program is restricted to those sites that have documented contamination from an abandoned petroleum storage system pursuant to Section 17-769.800(3)(a), F.A.C."

A person whose substantial interests are affected by this Order of Ineligibility may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, with 21 days of receipt of this Notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Facility Identification Number and county in which the project is proposed; Mr. Walter Bunts October 29, 1993 Page Two

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above, as set forth in Chapter 17-103 and 28-5, F.A.C., and must be filed (received) with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 21 days of receipt of this Notice. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 22I-6, F.A.C.

The application is available for public inspection during the normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the office of the Petroleum Insurance Administrator at the above address.

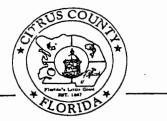
If you have questions regarding this or the pollution liability insurance program, please contact William E. Truman, Petroleum Insurance Administrator at 904/488-0876.

FILING AND ACKNOWLED FILED, on this date, pursuant to Fiorida Statutes, with the design	S120.52 nated Depart-	sincerely, Myuddell
ment Clark, receipt of which is h ledged.		John M. Ruddell, Director Division of Waste Management
Clerk	Date	

JMR/awp

cc: Nancy Evans - Southwest Florida District Office

CITRUS COUNTY



1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

DEPARTMENT OF DEVELOPMENT SERVICES

April 5, 1991

Mr. Walter Bunts Ace Hardware 1321 S.E. Hwy. 19 Crystal River, Florida 32623

Ref. Fac.# Unregistered Ace Hardware

Dear Mr. Bunts,

Attached are the 17-761 Florida Administrative Code Compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-761, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank system. Also please see comments on front page of inspection report.

If you have any questions concerning this matter please call us at (904)746-1335.

Sincerely,

Ríchard T.'Sośna Fuel Tank Inspector Citrus County Fire Prevention

RTS/jf

cc: Robert Youakim State Wide Environmental Tank Services, Inc. 5040 Waterside Drive Port Richey, Florida 34688

MEONU State of Florida Department of Environmental Regulation Pollutant Storage Tank System Inspection Report Form UNREGUIDERSO County: C17RUJ Facility ID No .: _ ALE HARDWARE Facility Name: ____ CRY/OALRIVER FL 32623 13.21 J.E. HW4 19 Facility Location: _ Phone: Operator: ____ WAVER BUNT! Phone: 1904179.545 Owner: ____ Latitude 28 ° 53 '03 " N Longitude 52 °34 '57 W Section _____ Township _____ _____ Range _ Integral Piping Tank Monitoring Installation U/A or Tank Contents Size Tank # In-Contact Construction Status Date Svstem C 4000 R \cup 4000 4000 XX/24 4000 EXCAMPTED & PULLERS 3/19/91 BI (TATEWIDE EINING MENTAL. TANK SERVICES, IN Comments TAINKS JAMPLES WERK NOT EXCENSIVE & WERK WITHN CLARTABLE RANZAE. BY SPANE EVENHOUSE ASW ENVIRONMENTE CONSULTANT TO BRE_HAULIED OF TO TAMPA SCRAP. HUNKEN POINT (3) TAMPA FIA OK. PER LAB WATER CAMPLES TAKEN & SENT TO LAB FOR ANALYSIS RESULT 4/5/41 (APT OF CLOSURE REPORT TO BE SENT TO CITRUS COUNTIFIRE PREVENTION John F. Evenhour - HOW Environmental (Consultants 1813) 91-8-2722 Facility Information: Inspection Type: Abandoned Complaint Response C Reinspection Non-retail Installation Aboveground C Retail 🗌 Initial Tank Removal Govt.-Federal Retrofit (M. or O.) 🗌 EDI Retrofit (L. or R.) Unregistered Govt.-Other Public Well Field Local Program: DER District: CITRUS GOULTY TRIE PREVENTION J+TH WEST mry Facility Contact's Signature & Date Inspector's' Signature & Date next routine inspection Violations must be corrected by: or by: dav DER Form 61-01-88 (04-01-88)

Site No. 58 Texaco Lube Express 1100 (1050) S. Suncoast Boulevard Crystal River, Florida FDEP/EPA I.D. No. None

Storage Tank Contamination Monitoring Query

rage 3 01 3

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

Facility ID#: 9801103 Name: Texaco Express Lube 1050 Sw Hwy 19 Crystal River, FL 32629 Contact: Phone: 352-795-4788

District: SWD County: Citrus Type: C-Fuel User/Non-Retail Status: Closed Latitude: 28:53:11.0000 Longitude: 82:35:05.0000 LL Method: AGPS-Autonomous GPS

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitc
1	600	New/Lube Oil	02/01/1991	ABOVE	NonRegul Construct	С	Α	I
2	600	New/Lube Oil	02/01/1991	ABOVE	NonRegul Construct	С	А	I
3	500	Waste Oil	02/01/1991	ABOVE	NonRegul Construct	С	А	I

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

Storage Tank Contamination Monitoring Quer	У
--	---

Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 9201295 Name: Nick Nicholas Ford 4020 N Suncoast Blvd Crystal River, FL 32629 Contact: Nicholas, Nick Phone: -- District: SWD County: Citrus Type: C-Fuel User/Non-Retail Status: Closed Latitude: 28:55:45.0000 Longitude: 82:36:57.0000 LL Method: UNVR-Unverified

Account Owner: Signet Investment

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monito
1	500	Unknown/Not Reported		UNDER	Removed			
***No	te:	WASTE OIL						

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site). _____

Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 8518715 Name: Gulf Coast Ford Inc 2440 Nw Hwy 19 Crystal River, FL 34428- 6321 Contact: Nick Nicholas & Bill Buckner Phone: 352-795-7371 District: SWD County: Citrus Type: C-Fuel User/Non-Retail Status: Open Latitude: 28:55:12.0000 Longitude: 82:36:40.0000 LL Method: AGPS-Autonomous GPS

1 451

Account Owner: Nicholas, Nick & Taylor L E

Tank #	Size Conte	nt Installed	Placement	Status	Construction	Piping	Monito
5	2000 Unleaded	Gas `12/01/1997	ABOVE	In Service	С О Р R K	B K A I	F Q 4
1	6000 Unleaded	Gas 07/01/1971	UNDER	Removed			
1R1	3000 Unleaded	Gas 05/01/1987	UNDER	Removed			
2	6000 Leaded Ga	as 07/01/1971	UNDER	Removed			
3	3000 Leaded Ga	as 07/01/1971	UNDER	Removed			
4	3000 Leaded Ga	as 07/01/1971	UNDER	Removed			

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).

Site No. 59 Southdown, Inc. (Florida Mining & Materials Corp.-Crystal River) 1021 S. Suncoast Boulevard Crystal River, Florida FDEP I.D. Nos. 098518701 and 099800142

FLORIDA	rs Office Bldg. • 2600 Blain Division of	of Environmental I Stone Road • Tallahassee, Fio Waste Management roleum Storage Systems	' ection rida 32399-2400	(59)
	rage Tank Facility	Compliance Inspection	Report	
Facility ID 8518701 Facility Name SOUTH D	County Dg		Inspection Date [Facility Type [
Latitude <u>28°53'13'</u> "	Longitude 87		L/L Method A	-GPS
Check box to identify type of inspection perfor Provide Lat/Long Determination Method. ("M Provide the count of USTs and/or ASTs review	Map", "AGPS" (Magellan),		····	ATSs nspected
Compliance Inspection (Annual)	TCI X	Installation Inspection		TIN
Compliance Inspection (DRF received)	TCDI	Closure Inspection		TXI
Compliance Inspection (Complaint receiv	ved) TCPI	Compliance Re-Inspectio		TCR
Discharge Evaluation ("short form")	TDI	** Record the results of th	ne TDI in a <i>Discharge</i> .	Project
• "Code" in block below corresponds to the Rule	Cite; represents a Data Entry Co	ode for ease of electronic data record	ing of inspection results.	
Bule Cite Descriptio	n / Inspector's Comm	nents		Code
0.00	aco Data	stion is a	Monthly	
			1110-111-	
U.S.M		of the to	2hK, 1+	S
Cont	zinment	Wall, and	He asso	cisted
	•	esults ave		in the
	11 10	COMING AVE	10100	740
109	Sleets.			1 13
Con-	trinment	area has h	een Ger	ted
DRei	- valve 1	s closed +	locked	
2.2		- rain Wotel		
	-		•	
		- in exterio		
Financial Responsibility – Verify owner's	-	-		
		Effective Date:		
Other Coverage meeting federal fina	ncial responsibility require	ements. Mechanism: <u>Se</u>	1£ 2/28/0	2 2/28/01
None				
Based upon the inspection results and info Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	Ŋ∕∕ Yes	owner/operator, this facility O No O CWOF ection of the non-compliance it	t + Compliance witho	
CITRUS ENVIRONMENTO Storage Tank Program Office	AL HEALTH	<u>352-527-5</u> Storage Tank Program Office P	hone Number	
C. MARK DUMN	ER	JANES H SY	AUART	
Inspector Name – Please Print		Facility Representative Name	Please Print	
11/1. la Con	12/7/0000	LIN	T	
Inspector Signature & Date	- your	Facility Representative S	Signature & Date	

Site No. 60 Florida Power Corporation - Whetstone Oil Unit #5 1017 S. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 099101846

Site No. 61 Fina - Crystal River 1017 SE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503199

UNIFIED ENVIRONMENTAL SERVICES, INC.



Project No. 93-0095

Reits

INITIAL REMEDIAL ACTION REPORT for

Crystal River Fina 1017 U.S. Highway 19 Crystal River, Florida

F.D.E.P.# 098503199 September 1993

Prepared For:

Whetstone Oil Company Mr. Mike Whetstone

Prepared By: Hydrogeologist

1007 Chambord Court • Orlando, Florida 32825 • (407) 382-8126



UNIFIED ENVIRONMENTAL SERVICES, INC.



Introduction

At the request of Whetstone Oil Company, Unified Environmental Services, Inc. (UES) performed screening of the soils after the removal of petroleum affected soils had ocurred. A surface discharge of approximately 35 gallons of diesel fuel discharged from a hose that failed during the fueling of a transport truck. On September 1, 1993, the discharge was immediately recovered by Whetstone Oil Company through the use of sand. This discharge did occur on an asphalt area of the site and minor retrofitting of the fueling system was performed to prevent future accidents of this type.

UES obtained soil samples from the the path of runoff and on each side to assure all petroleum affected soils had been removed. All soil screening activities were performed in accordance with the criteria established in Florida Adminstrative Code, Chapter 17-770.200. Excessively contaminated and contaminated soils were removed and stockpiled in a truck and placed in a covered area for later removal to a thermal treatment facility, after preburn analyses was accomplished. This report discusses the findings of these investigative activities.

Discharge Source/Soil Removal Activities

On September 1, 1993, during the routine fueling of a small transporter, a hose utilized to deliver the fuel from an aboveground tank to the transporter ruptured and approximately 35 gallons of virgin diesel was released before the valve could be shut off. A large portion of this diesel was trapped in the outer skirt of the transporter tank and was latter recovered and placed back into the aboveground diesel tank. A portion of the spill, approximately 20 gallons spilled onto the asphalt the transporter was parked on and migrated downhill on the asphalt to the north. A Discharge Reporting form for the incident is presented in Attachment A.

Whetstone Oil Company, upon learning of the spill within 2 hours, placed clean sand on top of the diesel on the asphalt. This sand was allowed to absorb the diesel and was placed the same day into a small dump truck and placed in a covered barn to prevent runoff.

Preburn Analyses/Soil Disposal

On September 17, 1993, a UES hydrogeologist observed the soil on the truck and obtained one composite soil sample for E.P.A. Method 8010/8020/9073 and the 8-RCRA Metals. This soil sample was obtained and analyzed under UES 's approved Comphrensive QA Plan No.

-1-

ENVIRONMENTAL SERVICES, INC.



920085G. Results of the soil analyses is presented in Attachment B and analytes typically observed in diesel were detected.

On October 29, 1993, the transporation and disposal of 3.05 tons of petroleum affected soils was performed. These soils were transported to C.A. Neyer in Orlando, Florida for thermal destruction. A copy of the soil manifest is provided in Attachment C.

Soil Screening Activities

On September 17, 1993, UES performed seven soil borings with screening accomplished with a calibrated Foxboro Model 108, Organic Vapor Analyzer (OVA). During use of the OVA, both an activated charcoal and particle filter were placed over the pump intake to discern between the presence of hydrocarbons and methane gases. The soil borings were accomplished with a 2.75 inch diameter, stainless steel hand auger. Decontamination was accomplished with a soap/water mixture followed by a clean water rinse. Figure 1 also presents the locations of the soil borings and Table 1 presents a summary of the soil screening results.

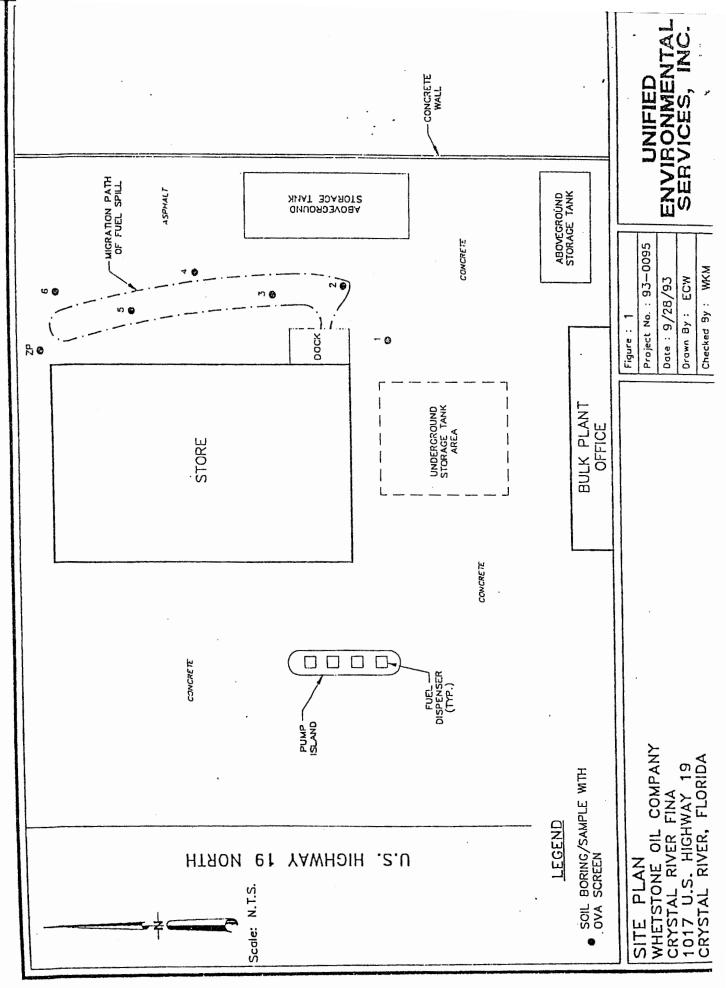
As seen by Table 1, all soils screened exhibited less than 10 parts per million (ppm) to a depth of approximately 3 feet, where limestone was encountered. The cleanup activities performed by Whetstone Oil Company appear to have been effective.

Groundwater Quality

An adjacent compliance well located along the northeast corner of the underground tank area is poorly constructed and located in an area where surface runoff may enter the well. This well was previously sampled by UES on August 13, 1993, for E.P.A. Method 602 and 610 analytes. Five well volumes of groundwater was removed from the well with a 1.5 inch diameter, stainless steel bailer, in accordance with the criteria established in UES 's approved Comphrensive Quality Assurance Plan No. 920085G.

Results of the groundwater samples are presented in Appendix D. As seen by the laboratory analytical reports, this well exhibited benzene and Total Volatile Organic Aromatics and Naphthalene in excess of the State of Florida's criteria.

Due to the poor contruction and upon approval from the Citrus County/F.D.E.P. representative this well was abandoned by a State of Florida water well driller. A copy of the abandonment report for this well is provided in Appendix E.



-3-



ENVIRONMENTAL SERVICES, INC.



Table 1

Crystal River Fina 1017 U.S Highway 19 Crystal River, Florida

SUMMARY OF SOIL SCREENING RESULTS parts per million

Sample No.	Depth	llydrocarbon	Methane
1	0-3	~5	<1
2	0-3	<5	<1
3	0-3	~8	<1
4	0-3	~8	<10
5	()-3	< 10	:<1
6	0-3	< 10	<1
7	0-3	<10	<1

Note: All results are expressed in parts per million. Methane values have been removed from the hydrocarbon values. Depth is given in feet.

1007 Chambord Court • Orlando, Florida 32825 • (407) 382-8126

Site No. 62 Exxon #5132 - Crystal River/Exxon Car Wash (aka White Rose Cleaners)



SOUTHWEST DISTRICT STORAGE TANKS PROGRAM

SITE INSPECTION REPORT

DATE:_[] / NAME OF SITE: EXXON 5132 FACILITY ID# 8503053 9 SITE ADDRESS/LOCATION: 80005 CITY: CRYSTAL RIVER COUNTY: CITRUStetel + registration form from EL REASON FOR VISIT: Received Williams requesting that the tentes be placed out of Service PERSONS CONTACTED: **A** KNIGHT TANCY PERSONS PRESENT: C. MARK SUMMER SUMMARY REPORT: A 4001 \leq .St ch 1 dela See if e produc 40 REMAN 51 requirem Span h= N 7ළ` hes Uh ىلەن كە ۷ Resil OREMION CONVE ants to Lie $\mathcal{O}_{\mathcal{L}}$ کم ن ON mus π Cans 10 Mare ہے ہ gulated 17 ie OTHER ACTION REQUIRED: TEnks Must 1Pt en . . SIGNED TITLE:

Page: 1 of

8/9/99

Stature.	Twin Towers Office Bldg. • 2600 Divisi	0 Blair ion of V	f Environmento Stone Road • Tallahas Waste Management bleum Storage Syste	ssee, Florida 3			
- 9	Storage Tank Faci	lity C	Compliance Insp	ection Rej	port		,
	Facility ID F503053 County C				ction Dat	e 9/20 A-RETX	00
			•3506"			AGPS	
	Check box to identify type of inspection performed. Update latitud Provide Lat/Long Determination Method. ("Map", "AGPS" (Mage Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspe	de/long ellan), '	itude as necessary.	# USTs Inspected	4	# ATSs Inspected	
[Compliance Inspection (Annual) TCI	\geq	Installation Inspec	tion		TIN	
ļ	Compliance Inspection (DRF received) TCDI		Closure Inspection			TXI	
ł	Compliance Inspection (Complaint received)TCPIDischarge Evaluation ("short form")TDI		Compliance Re-In ** Record the resu		in a Discha	TCR	
l							
	• "Code" in block below corresponds to the Rule Cite; represents a Data E Rule Cite ()-76 [Description / Inspector's C			ta recording of i	ispection resul		Code
#Q[.400(2)(9)6. The 2000/2	.00	placar	d is	nat	displa	1 e L
	at the faci					4	· .
1ª	510(1)(6) . The shear 1	rall	es are	$not \leq$	ecure	tely	
ł	mounted					0	
67	· 510(1)(C) It is Un Know						n.t-
	Was Performe	=1	when Sy	stem	wes a	up grad	d.
扻	·510(2)(d) The Zip bo	ot	on the f		,	· •	tom
	and portions ,	30	the STY	os a	1e in	Conte	ct-
	with the Soil	Cend	Herefs	not 1	Instead	el from	Grasis
	Financial Responsibility - Verify owner's coverage. Select Ins						· · · · · · · · · · · · · · · · · · ·
	<u>Insurance</u> Carrier: <u>CAT</u>		Effective Date: 🗲	1/15/a)	Expiration I	Date: 4/15/	01
	Other Coverage meeting federal financial responsibility r	equirer	ments. Mechanism:				
	None						
	Based upon the inspection results and information provided b Florida Administrative Code 62-761. O Yes A re-inspection will be scheduled on or after 30 days to verif		XX No O	CWOE - Co	mnliance w	he requiremen ithout Enforce	ts of ment
			000 -		GC		·
	CITRYS CNTY ENV. LIEACT	C#L	Storage Tank Program	LI-62	<u>-15</u>		
	C. MARK SUMNER		Storage 1 and Program	Oulce Phone N			
	Inspector Name – Please Print		Facility Representative	e Name – Please	Print		
	Mark Summe about	า	NORDO	ras to	Line 1	Avaliable	
-	Inspector Signature & Date		Facility Represen	tative Signat	ure & Date		0
						Page _/	of <u>4</u>

l Protection @ Bureau of Petroleum Florida Department of Environme rage Systems Storage Tank Facility Compliance Inspection Report

Facility ID \$503053 Date: 9/20/00

Facility Name: EXXON 5132

Description / Inspector's Comments

Rule Cite (2-76) IT IS UN KNOWN IF ON RORL LAS been developed for this system. 2.640(3)(6) 1+15 UNKNOWN IE Inventory control is Maintained for this Single Welled Vehicular System. 3.610(1Xa It is unknown if the Categorie A System has release detection and that the method meets its polycomence Standard. 3600(2)(9) It is Un Known IF the UST System has release detection as no records were avaliable at the time of the inspection. 142 240(3 It is untropula if the Mechanical line leak detectors that are connected To Single Valled pressurized Piping in Contectwith Soil have been tested annually as required. 10 .710 Release detection records were not Made available with in 5 working days. 15 .800(4) TIS UNKnown If a closure assessment was performed for the remark of the Used oil tank on 4-22-99 796.800(4) A closure assessment has not been SUBMITTED for the Used out tonk with in 60 days of the closure activity as required.

Page Q of 4

Florida Department of Environm 1 Protection
Bureau of Petroleum rage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: EXXON 5132 Facility ID: 8503053 Date: 9/20/00

Rulé Cite	Description / Inspector's Comments
Comments.	The 4 STPS are equipped with
	mechanical line leak detectors, and
	the Soil had been excausted from
	around them. The Soil has the Caled
	In cround the excavation and postions
	of the 4 Stps are now in contact
	with the Soil. The Swing Joints
	have had Z.p boots installed to
	protect them from corrosion, however
	the boot is toin on the premium
	Pipe.
	The 4 fill boxes are all
	equipped with Spill buckets
	API 1637. The paint has faded
	and it is recommended to repaint
	He fills as per Apr 1637.
	Tank levels at the time of inspection
	Diesel 4635 inches.
	DRegular OL 334 incles.
	3 premium UC 28-58 incles.
	@ Plus UL 45 incles.
	The 4 monitor wells were bailed resultinge
	SEwell 3'10" Towater no shear ar odor
	NWWell 3' 10" TO water no sheen or dor
	SW Well 3'8" TO water no sheen ar odur
	NE well 3'2" To water NO Shean arodor

Page 3 of 4

Florida Department of Environm I Protection & Bureau of Petroleum rage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: EXXON 5132 Facility ID: 8503053 Date: 9/20/00

Rule Cite	Description / Inspector's Comments
Comments 7	Diesel Dispenser has 18-20
	Inclas of Diesel in the dispenser
	line, however no lecks were
	observed at the time of this
	Inspection. Remarche liquid from
	He Liner, and cleck for any leaks
	When System is put back into envirence Service, The Sheer Value is installed
	Service. The sheer value is installed
	and mainted properly.
	# 3/4 Gas Dispanser, has a dry liner, but all 3 sheer values
	dry liner, but all 3 Sheer Values
	are not tightly mounted
	#1/2 Gas Dispenser hasa
	dry liner, but all three sheer
	dry liner, but all three sheer Values are not tightly manted.
	$T = C = 1^{\prime} + 1^{\prime} = 1^{\prime$
	The facility was closed at the
· · · · · · · · · · · · · · · · · · ·	time of the inspection, but the
	Ma tanks have not been registered
	as Temperavily at of Service
· · · · · · · · · · · · · · · · · · ·	nor do they theet out of Service
	Vequire ments.
1	

Page 4 of 4

	DN E.L. WILLIAMS, INC. 1212 W. Livingston St. Orlando, FL 32805 (407) 422 ¹ 2437 DATE: <u>Felchmany</u> 13,199
	Orlando, FL 32805 (407) 422 ¹ 2437
	(407) 422 ¹ 2437
	DATE: Felichenalizy 13,199
	DATE: Felichenalizy 13,199
	· · · · · · · · · · · · · · · · · · ·
	FAX TRANSMISSION HEADER
Á	David Christer
· _/	Jacoba Andrea
······································	
юм: <u>С</u>	janue Allinne

	<u>^2</u>
	NUMBER OF PAGES SENT: 221. (INCLUDING THIS PAGE)
F PROBLEMS	S OCCUR AT RECEIVING END PLEASE CALL: 407-422-2437
L. WILLIA	MS, INC. (ORLANDO) FAX \$407-841-2652
ESSAGE:	
,	ITX DAN
	(1 205)
	$\sim 40^{\circ}$
·	$\langle \cdot \rangle$
·	C. R. CNYON O 9ff03053
··	
··	
··	

•

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

800 US 119, Crystal River, FL

OWNER:

1

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 1-29-95 TIME: 11:15

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELLS	WELL 6	WELL 7
WELL WATER LEVEL	4'8"	4'9"	4'9"	4'4"			
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	70 PPM	O PPM	O PPM	OPPM			
SAMPLE COLLECTED	-		-	-			

. . • . • . . . Building #3 \$4 0 0 Г $\left[\widetilde{N} \right]$ Punp Island ↓ 0 # Z

US 19 South







0 # 1

,

12

. .

6

1

•

.

W.1 E. Moore 7651 Bavenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: EXXOR Service Center.

OWNER :

800 US 119, Crystal River, FL

ER: <u>Williams Oil</u>

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 2-19-95 TIME: 2:15

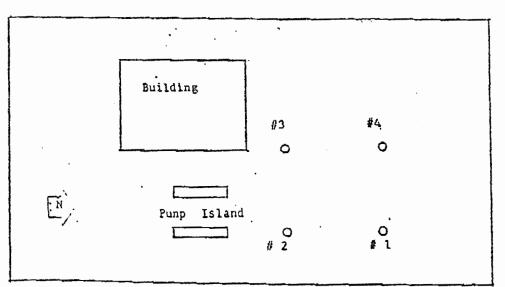
٠.

1:.

57

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'17"	4′8″	4'8"	4'4"			
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	72 P. M.	OPPM	ОРРМ	OPPM			
SAMPLE COLLECTED			-	-			

.



US 19 South

•

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: _Exxon_Service_Center_

Williams Oil

800 HS 119, Crystal River, EL

-

OWNER:

t

Sleepy Hollow Rd., Leesburg, FL

۰.

• SAMPLE DATE: 3-28-95 TIME: 2:15

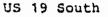
RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4: 7/12.	4'8"	4'8"	4'5"	`.		
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	96 PPM	5 PPM	16 PP \$1	TZ PAW			
SAMPLE COLLECTED	-	· ~	~	-			

.

Building #3 #4 0 0 Punp Island#2 #1

.

.

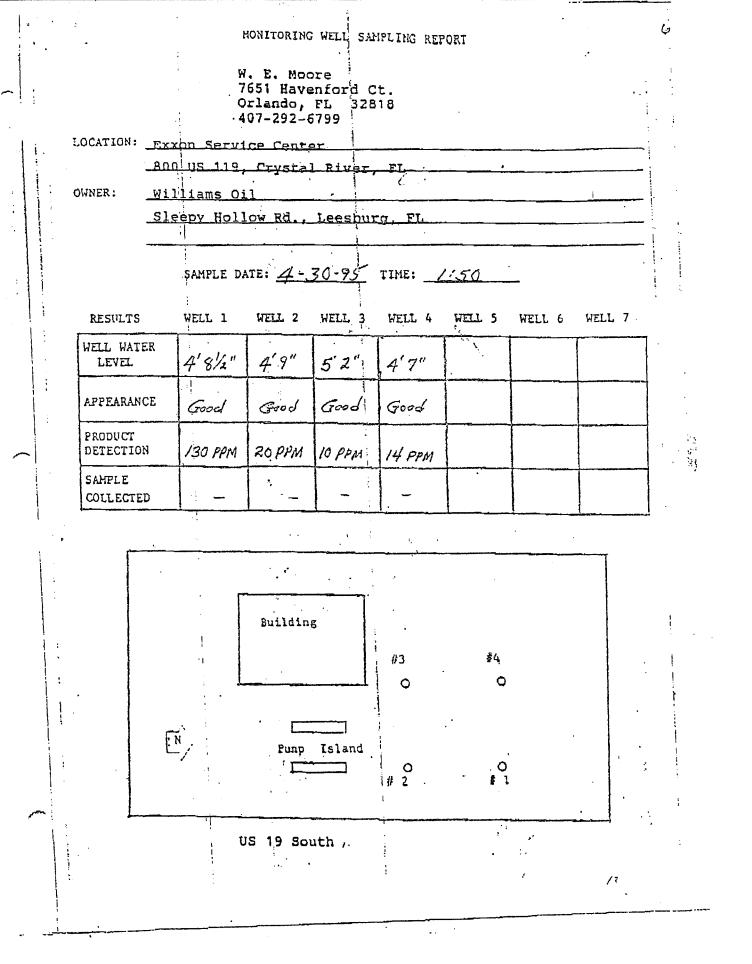


.

•

.

12



Ŀ

12.

N

W4 E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

. Ann US 119, Crystal River, FL

OWNER:

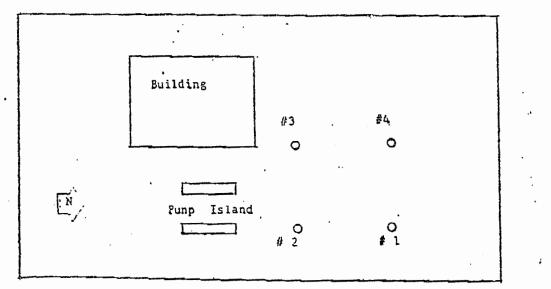
Sleepy Hollow Rd., Leesburg, FL

.

SAMPLE DATE: 5-21-95 TIME: 2:30

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4."4"	4'6"	4'9"	. 4'4"			
APPEARANCE	Good	Good	Good	Guech			
PRODUCT DETECTION	176PM	34 PPM	23 PFM	16 PDM			
SAMPLE COLLECTED	-		-				

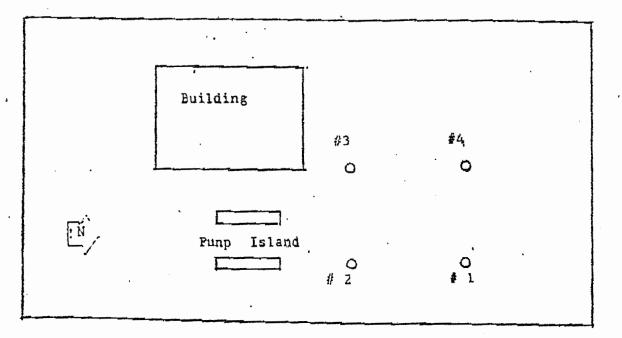
· · · · ·



US 19 South

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center .800 US 119, Crystal River, FL OWNER: Williams Oil Sleepy Hollow Rd., Leesburg, FL SAMPLE DATE: 6-28-95 TIME: 2:00 ••• WELL 1 WELL 2 WELL 3 WELL 4 WELL 5 WELL 6 WELL 7 RESULTS WELL WATER LEVEL 4'2" 4'3" 4'4" 11 911 APPEARANCE Good 2000 500d Good PRODUCT DETECTION 220 PPM <u>36 0 PM</u> 18.8 p. DM <u>44 ppm</u> SAMPLE COLLECTED



US 19 South

· ·

196

1 . . .

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

800 US 119, Crystal River, FL

Williams Oil

OWNER:

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 7-28-95 TIME: 11:00

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'2"	4 4#	4'6"	4'3"			
APPEARANCE	god	3000	9000	9000			
PRODUCT DETECTION	36 PPM	18 PPM	16 PPA	9.PPM			
SAMPLE COLLECTED			,		·		

Building #3 #4 O O Punp Island # 2 # 1

US 19 South

١

12

7

W₄ E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

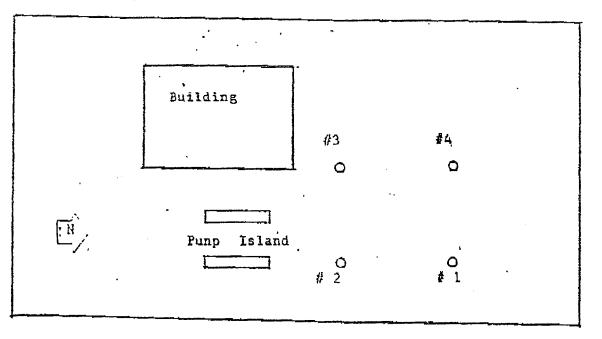
LOCATION:	Exxon Service Center
	ROO US 119, Crystal River, FL
OWNER:	Williams Oil
	Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 8-30-95 TIME: 10:50

RESULTS	WELL 1	WELL 2	WELL 3'	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4' 2'2"	y' y"	4 4"	4/30		ĺ	
APPEARANCE		Good		*			
PRODUCT DETECTION	22 FM	15.8 pen	11 FPM	5 PPM		*	
SAMPLE COLLECTED				and a second second second second second second second second second second second second second second second			

. .

.



US 19 South

12

· .

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exgon Service Center

800 US 119, Crystal River, FL

OWNER:

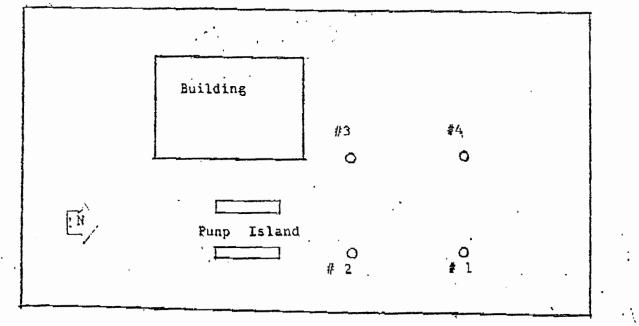
Sleepy Hollow Rd., Leesburg, FL

Williams Oil

RESULTS WELL 1 WELL 2 WELL 3 WELL 4 WELL 5 WELL 6 WELL 7

WELL WATER LEVEL	3" 11"	4'9"	511"	41711	* *	
APPEARANCE	gand	gad	god	gard		
PRODUCT DETECTION	22 PPA			9.6 prm		
SAMPLE COLLECTED		•				





US 19 South

.

12

φ,

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

800. US 119, Crystal River, FL

OWNER:

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 11-26-95 TIME: 12:15

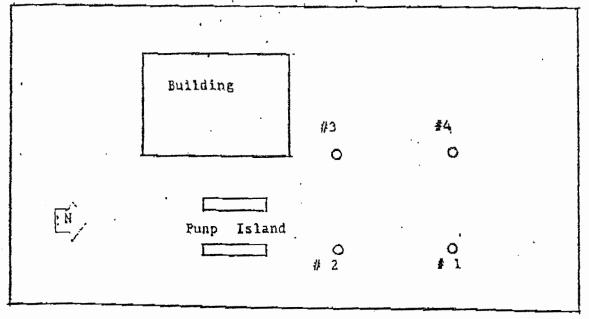
.

RESULTS WELL 1 WELL 2 WELL 3 WELL 4 WELL 5 WELL 6 WELL 7

đ

WELL WATER LEVEL	3'10	4'111	5-3'	4'94		·
APPEARANCE	Good				 	
PRODUCT DETECTION	24PPM	9 ppp	10 PMM	10 PPM		
SAMPLE COLLECTED						

.



US 19 South

- in F

 φ

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center.

Williams Oil

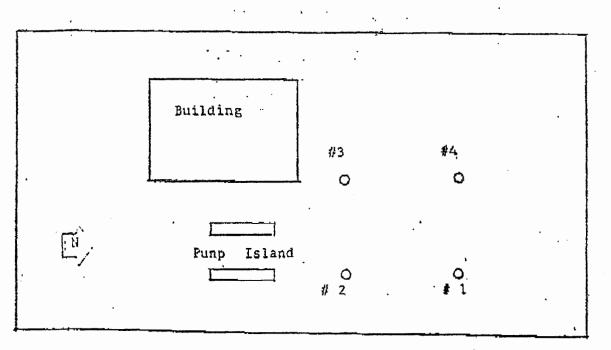
800 US 119, Crystal River, FL

OWNER:

Sleepy Hollow Rd. Leesburg, FL

SAMPLE DATE: 12-31-95 TIME: 1:00

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL S	WELL 6	WELL 7
WELL WATER LEVEL	4' 4"	4'6"	4 4	4'6"			
APPEARANCE	Grood	Good	Good	Good			
PRODUCT DETECTION	15 PPM	18 PD4	4 10M	6 PPM			
SAMPLE COLLECTED	-	•					



US 19 South

. •

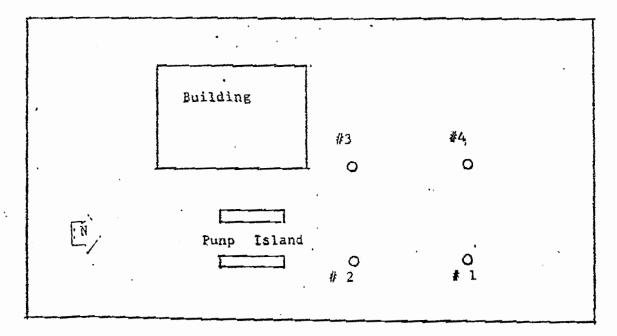
•

- · · · ·

 φ

W. EJ Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Ex	xon Servi	LCA Cent	er	میں میں میں میں			
80	0 115 119	Crysta	L Biver,	<u> </u>			
OWNER: <u>Wi</u>	lliams Of	,					
<u></u>	eepy Hol	low Rd	Leesbur	g, FL			
		· · · · · · · · · · · · · · · · · · ·					
,	SAMPLE DA	ATE: 1-2	8-96	тіме: <u>З</u>	:43		
RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'9"	4'11"	· 4' 11''	4º #"			
APPEARANCE	Good	Good	Gord	Gord			
PRODUCT DETECTION		24 ppm	2.				
SAMPLE COLLECTED		,,,,,					
Francisco de la constante de 		······································			<u></u>		÷



US 19 South

÷

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

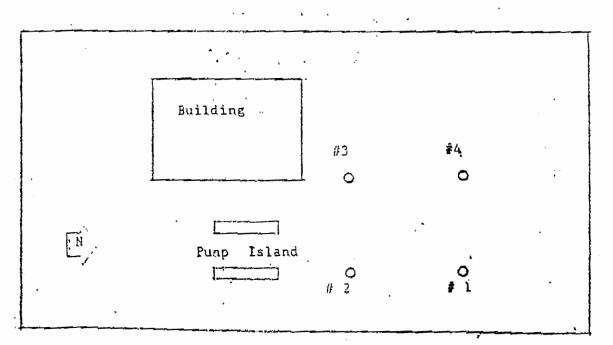
LOCATION: _Exxon_Service Center _BOD_US_119, Crystal River, FL Ż Williams Oil

OWNER:

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 2-29-96 TIME: 5:40

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'8"	4' 10"	51	4' 10"			
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	6.5 APM	5 ppm	4 PPM	4.1 PAM			
SAMPLE COLLECTED					•		



W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center_

Williams Oil

800 US 119, Crystal River, FL

OWNER:

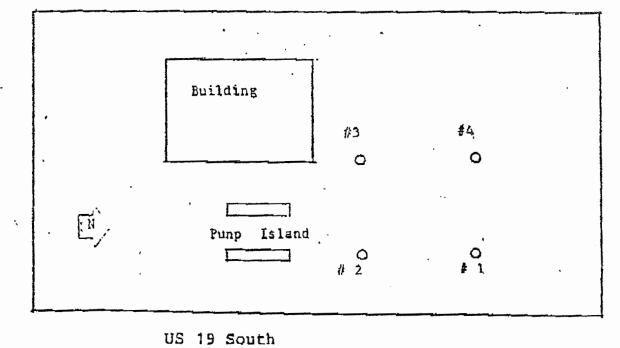
Sleepy Hollow Rd., Leesburg, FL.

SAMPLE DATE: 3-26.96 TIME: 12:14

RESULTS WELL 1 WELL 2 WELL 3 WELL 4 WELL 5 WELL 6 WELL 7

WELL WATER LEVEL	4'7"	4' 9"	5'3"	4 ' 9 !!		
APPEARANCE	Good	Good	Good	Good	·	
PRODUCT DETECTION	6.6 ppm	4,8 com	10 exm	6.3 ppm		
SAMPLE COLLECTED		, , , , , , , , , , , , , , , , , , , ,				

ι. Έ



L

,

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

800 US 119, Crystal River, FL

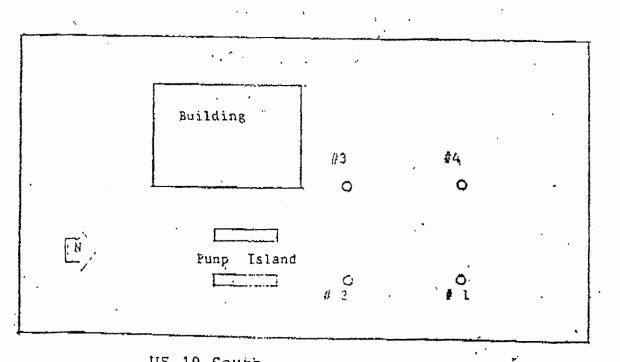
.

OWNER:

Sleepy Hollow Rd.; Leesburg, FL

SAMPLE DATE: 4-29-96 TIME: 12:50

RESULTS	WELL 1	WELL 2	WELL 3,	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4.6"	4' 84	5'3"	4'8"			
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	6.9 PPM	4.8 PPM	G PPM	6.5PAM		· · · · · · · · · · · · · · · · · · ·	
SAMPLE COLLECTED							



US 19 South

• •

-

W. Et Moore 7651 Havenford Ct. Orlando, FL, 32818 407-292-6799

LOCATION: _Exxon_Service_Center_____

Williams Oil

_800_US_119, Crystal_River, FL

OWNER:

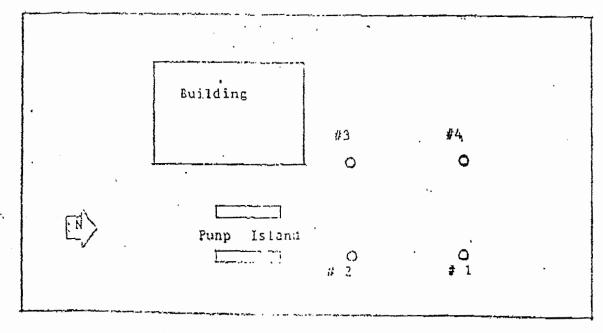
Sleepy Hollow Rd.; Leesburg, FL

SAMPLE DATE: 5-31-94 TIME: 3:00

RESULTS WELL 1 WELL 2 WELL 3 WELL 4 WELL 5 WELL 6 WELL 7

WELL WATER LEVEL	4' 7"	4.1811	4'8" 5-91	4' 8"			
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	-0-		-0-	-0	172 L	- 5 1	
SAMPLE COLLECTED							

. .



US 19 South

16 19

W. Et Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: _EXXOD_Service_Center_____

Williams Oil

_800_US_119, Crystal_River, FL

OWNER:

÷

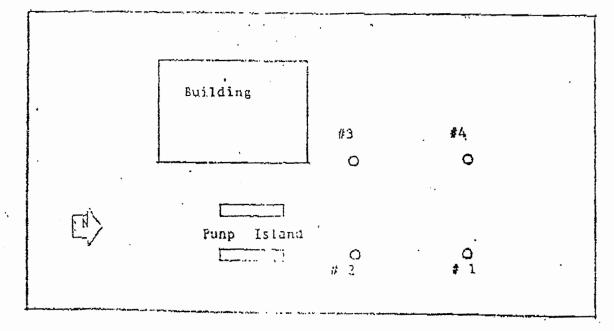
Sleepy Hollow Rd.; Leesburg, FL

SAMPLE DATE: 5-31-74 TIME: 3:00

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4' 7"	4.1811	4'8" 5-0"	4" 8"			
APPEARANCE	Good	Good	Good	Goal			
PRODUCT DETECTION	-0-		-0-	-0			
SAMPLE COLLECTED							

٠.,

ţ



W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: _Exxon_Service_Center

Williams Oil

ANO US 119, Crystal River, FL

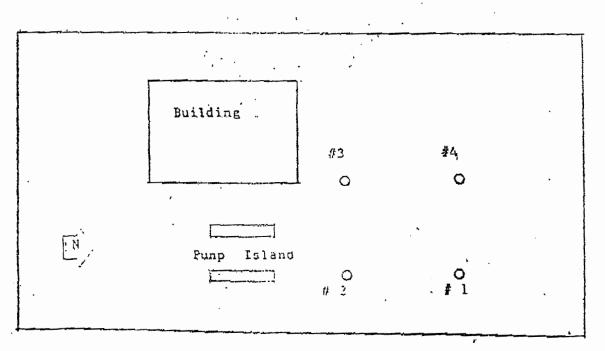
OWNER:

• 1

Sleepy Hollow Rd .. Leesburg, FL

SAMPLE DATE: 6-30-96 TIME: 345

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4 '7"	4' 7"	5121	4' 10"	· · · · · · · · · · · · · · · · · · ·		
APPEARANCE	Goal	Good	Good	Good			
PRODUCT DETECTION	OPPM		Orem				
SAMPLE COLLECTED							



·

W. E. Moore 7651 Havenford Ct. ' Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

800 US 119, Crystal River, EL

OWNER:

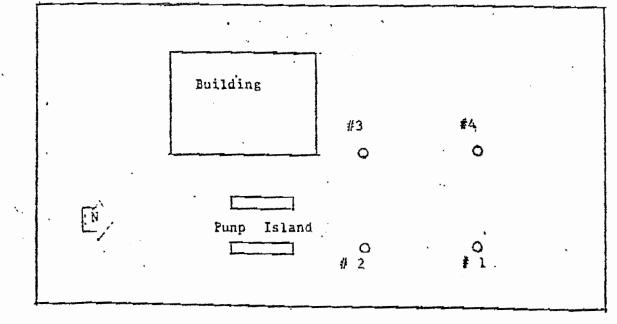
Sleepy Hollow Rd. Leesburg, FL'

SAMPLE DATE: 7-29-96 TIME: 4:00

RESULTS WELL 1 WELL 2 WELL 3 WELL 4 WELL 5 WELL 6 WELL 7

WELL WATER LEVEL	4'8"	4'8"	5'3"	411"		
APPEARANCE	Good	Good	Good	'Gaad		
PRODUCT DETECTION	÷	- 0 -	ė	-0-		
SAMPLE COLLECTED						

ти <u>к</u>



W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center.

Williams Oil

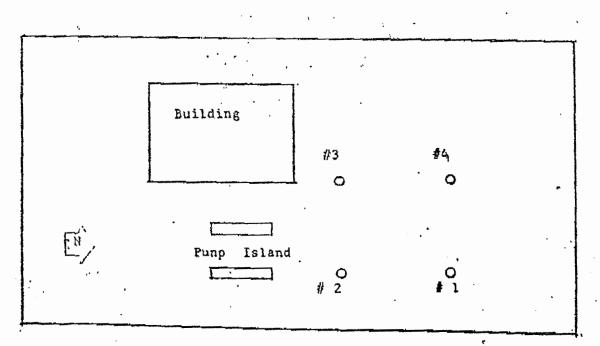
800 US 119, Crystal River, FL

OWNER:

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 8-29-96 TIME: 11:00

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WEILL 7
WELL WATER LEVEL	4' 7".	4'8"	4-8"	4'81	,	· .	
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	OPPM	OPPM	OPPM	OPPM			
SAMPLE COLLECTED		·					



US 19 South

4

•

(s

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

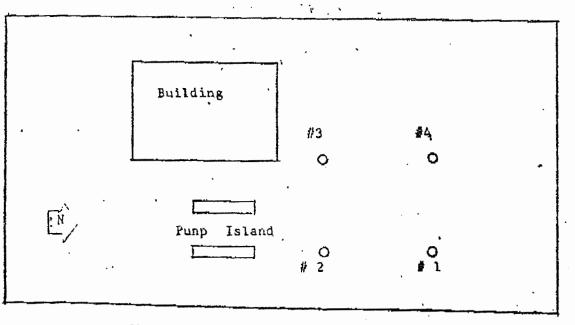
.800 US 119, Crystal River, FL

OWNER:

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 9-30-96 TIME: 1:30

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'6"	4'7"	4"7"	4'6"			
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	O.PPM	OPPM	OPPM	OPPM			· ·
SAMPLE				1			



US 19 South

5

 $\overline{\langle}$

W. E. Moore 7651 Havenford 'Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

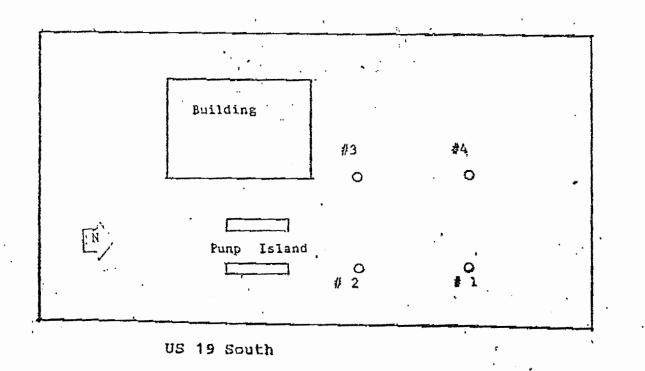
_800 US 119, Crystal River, FL

OWNER:

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 10:30-96 TIME: 10:30

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'7"	4'8"	4'8"	4'7"	,		
APPEARANCE	Good	Good	Good	Good			
PRODUCT DETECTION	ОРРМ	OPPM	OPPM	OPPM			
SAMPLE COLLECTED	4			*			



 (φ)

.

.

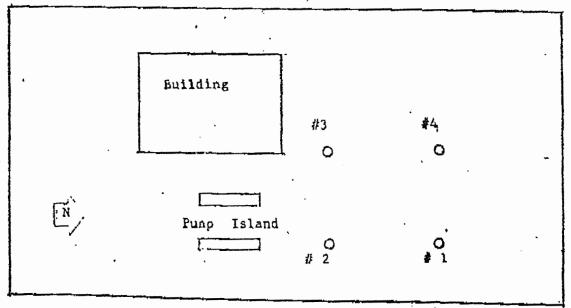
.

200.5

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Fix	kon Servi	ice Cent	<u>97</u>	••	·			、
80	<u>) US 119</u>	<u>Crysta</u>	<u>l'River</u> ,					
OWNER: Wi	lliams Oi	1	1	. F				_
	epy Hol]	low Rd	Leesbur	g, FL				
				·				
	SAMPLE DA	ATE: <u>11-</u>	29-96	TIME: <u>4</u>	1:00			•••
RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7	
WELL WATER LEVEL	4'6'	4'7"	4'7"	4'6"				

LEVEL	46	4'7"	4'7"	4'6"		
APPEARANCE	Guod	Good	Good	Good	I / Second Contraction	
PRODUCT DETECTION	O PPM	OPFIN	O PPM	O FPM	· ·	
SAMPLE COLLECTED				т. р <u>с</u>		



US 19 South

i

·.

.

,

6

W. E. Moore 7651 Havenford Ct. Orlando, FL 32818 407-292-6799

LOCATION: Exxon Service Center

Williams Oil

800 US 119, Crystal River, FL

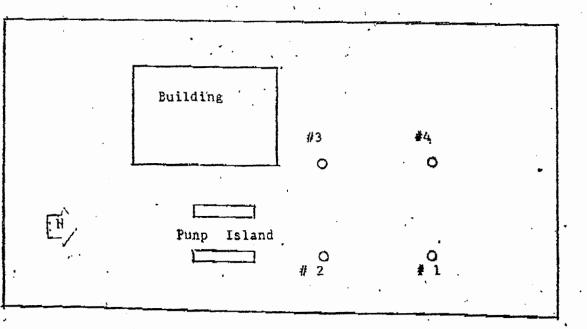
OWNER:

ιø

Sleepy Hollow Rd., Leesburg, FL

SAMPLE DATE: 12-30-96 TIME: 3:00

RESULTS	WELL 1	WELL 2	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7
WELL WATER LEVEL	4'5"	4'6°	<i>4'6'</i>	4'5"			
APPEARANCE	Good	Good	Good	Good			· · · ·
PRODUCT DETECTION	OPPM	OPPM	OPPNI	OFPNI			
AMPLE							



US 19 South

Site No. 64 Texaco #24-203-0051 310 SE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503151 EPA I.D. No. FLD984174227

•

Facility ID \$503151 County OP CITRUS Inspection Date [2/5/2000] Facility Name TEXACO #24-203-0051 Facility Type [4-RETAIL] Latitude 28°53'34 Longitude 52°35'44 I/L Method A-G/S Check box to identify type of inspection performed. Update latitude/28°53'54 I/L Method A-G/S Check box to identify type of inspection performed. Update latitude/28°53'54 I/L Method A-G/S Provide Laulong Determination Method. (Why?, "AGPS" (Magellan), "GOPS" (Trimble)). # USTs Inspected Inspected Compliance Inspection (DRF received) TCI X Installation Inspection TCI Inspected Compliance Inspection (CRF received) TCI X Installation Inspection TCR Discharge Evaluation ("Short form") TDI ************************************	FLORIDA	Divis Bureau	sion of V of Petro	Stone Road • Tallahassee, Florida 32399-2400 Waste Management Deum Storage Systems Compliance Inspection Report	64
Latitude Image: Solution of the solutis solution of the solutis solution of the	Facility ID 8503151	County 📿	D.9	CITRUS Inspection Date	12/5/2000
Check box to identify type of inspection performed. Update latitude/longitude as necessary. # USTs Inspected 4 # ATSS Provide the count of USTs and/or ASTs reviewed during this inspection TDI Compliance Inspection (DRF received) TDI Closure Inspection TXI Compliance Inspection (Compliant received) TDI Closure Inspection TXI TXI Compliance Inspection (Compliant received) TDI Compliance Inspection TXI TXI Discharge Evaluation ("Short form") TDI ** Record the results and the TDI in a Discharge Project TXI Output ** "Code" in block blow corresponds to the Rule Clic, represents a Data Edity Code for case of electronic data recording of inspection results. Rule Cite 62-76/ Description / Inspector's Comments Code * %20(1)(\$\Starthetarget to the Rule Clic, represents a Data Edity Code for case of electronic data recording of inspection results. Rule Cite 62-76/ Description / Inspector's Comments Code * %20(1)(\$\Starthetarget to the Rule Clic, represents a Data Edity Code for case of electronic data recording of inspection results. Rule Cite 62-76/ Description / Inspector's Code results of the Rule 12/1/2/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/3/2000, 11/1/2/2000, 11/1/2/2000, 12/1/3/2000, 11/1/2/2000, 12/1/3/2000, 1	Facility Name TEXACO #2	4-20	3-	5 Facility Type	-RETAIL
Provide Lat/Log Determination Method. ("Map", "AOPS" (Magellan), "GOPS" (Trimble)). Inspected Inspected Provide the count of USTs and/or ASTs reviewed during this inspection TIN Installation Inspection TIN Compliance Inspection (Annual) TCI Closure Inspection TXI Installation Inspection TXI Compliance Inspection (Complaint received) TCI Closure Inspection TXI Inspected Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge Project * "Code" in block below componits to the Rule Cite; represent a Data Entry Code for ease of electronic data recording of inspection results. Rule Cite (2.2.76/ Description / Inspector's Comments Code * \$200 (1) (©) (b) (C) Record & were nort cucal icable for the second icable					
Compliance Inspection (DRF received) TCDI Closure Inspection TXI Compliance Inspection (Complaint received) TCPI Compliance Re-Inspection TCR Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge Project ** "Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of electronic data recording of inspection results. Rule Cite (2-76) Description / Inspector's Comments Code * R2O(1)(S)(b)(C) Record S Were not Social	Provide Lat/Long Determination Method. ("Map", "A	GPS" (Mag	gellan), "		
Compliance Inspection (DRF received) TCDI Closure Inspection TXI Compliance Inspection (Complaint received) TCPI Compliance Re-Inspection TCR Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge Project ** "Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of electronic data recording of inspection results. Rule Cite (2-76) Description / Inspector's Comments Code * R2O(1)(S)(b)(C) Record S Were not Social	Compliance Inspection (Annual)	TCI	V	Installation Inspection	TIN
Compliance Inspection (Complaint received) TCP! Compliance Re-Inspection TCR Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge Project • "Odde" in block below corresponds to the Rule Cite (represent a Data Entry Code for ease of electronic data recording of impection results. Rule Cite (2 - 76/ Description / Inspector's Comments Code • #200 (1) (S) (b) (C) Record S. Ware not Swell (Code Science) Second Science) • #200 (1) (S) (b) (C) Record S. Ware not Swell (Code Science) Second Science) • #200 (1) (S) (b) (C) Record Science) Second Science) Second Science) Second Science) • #200 (1) (S) (b) (C) Record Science) Ware not Science) Second Science) Second Science) • #200 (1) (S) (b) (C) Record Science) Ware not Science) Second Science) Second Science) • #200 (1) (S) (b) (C) Record Science) Second Science) Second Science) Second Science) Second Science) • #200 (1) (S) (b) (C) Record Science) Record Science) Second Science) Second Science) • #200 (1) (S) (D) (C) Record Science) Record Science) Second Science) Second Scienc		TCDI			TXI
Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge Project • "Code" in block below corresponds to the Rule Cite represents a Data Entry Code for case of electronic data recording of impection results. Rule Cite (2 - 76/ Description / Inspector's Comments Code • (Duesch 1 get tion and results of the TDI in a Discharge Project Invest 1 get tion and results of the TDI in a Discharge Project • (DUEsch 1 get tion and results of the TDI in a Discharge Project Invest 1 get tion and results of the TDI in a Discharge Project • (DUEsch 1 get tion and results of the TDI in a Discharge Project Invest 1 get tion and results of the TDI in a Discharge Project • (DUEsch 1 get tion and results of the TDI in a Discharge Project Invest 1 get tion and results of the TDI in a Discharge Project • (DUEsch 1 get tion and results of the TDI in a Discharge Project Invest 1 get tion and results of the TDI in a Discharge Project • (DUEsch 1 get tion and results and information provide Mechanism, fi appropriate. Insurance • (Due coverage meeting federal financial responsibility requirements. Mechanism: • No O CWOE - Compliance without Enfortement • Plorida Administrative Code 62-761. O Yes • No O CWOE - Compliance without Enfortement • Are implection results and information provided by the owner/operator, this facility appears to mee		TCPI			TCR
"Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for case of electronic data recording of inspection results. Rule Cite 62-76/ Description / Inspector's Comments Code 820(1)(G)(b)(C) Records were not available for the formation provide set of the set o		TDI			e Project
• \$\begin{aligned} & \$\mathcal{E}\$ & \$\mathcal{L}\$ & \$\mathcal\$ & \$\mathcal{L}\$ & \$\mathcal{L}\$ & \$\mathcal{L}\$ & \$\mathcal{L}\$	"Code" in block below corresponds to the Rule Cite; repre-		-		
Investigation and vesults for the PLL D Shutdown for Q1 II/7/2000, + I/1/13/2000. +7/13/2000, Q3 II/13/2000. Q4 II/23/2000. S/II/2000, A5/5/2000 Q4 Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism. If appropriate. X Insurance Carrier: C Solution Effective Date: 1/1/00 Expiration Date: I/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism: None Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of None O Yes Cirrous Code 62-761 O Yes No Storage Task Program Office Storage Task Program Office Phase Number Cirrous Counce Number Office Storage Task Program Office Phase Number Cirrous Counce Please Print Tapicity Representative Number None	Rule Chees 707 Description 7 ms				
Investigation and vesults for the PLL D Shutdown for Q1 II/7/2000, + I/1/13/2000. +7/13/2000, Q3 II/13/2000. Q4 II/23/2000. S/II/2000, A5/5/2000 Q4 Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism. If appropriate. X Insurance Carrier: C Solution Effective Date: 1/1/00 Expiration Date: I/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism: None Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of None O Yes Cirrous Code 62-761 O Yes No Storage Task Program Office Storage Task Program Office Phase Number Cirrous Counce Number Office Storage Task Program Office Phase Number Cirrous Counce Please Print Tapicity Representative Number None	.820(1)(a)(b)(c) Records	Wer	en	ot avaliable for the	2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
II/7/2020, ± 10/18/2000, €0R & 2 II/13/2000, ± 7/13/2000, Q3 II/13/2000, Q4 II/23/2000, \$\begin{aligned} \$\bencee{\enconde} \\ \begin{aligned} \$\begin{aligned} \$\b	Investige	1100	200	resolts to the	
# 7/13/2000, Q3 11/13/2020, Q4 Q4 11/23/2000, Starte Starte Q4 11/23/2000, Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism, if appropriate.	PLLDS	hotdoe	20	GR Q1 11/13/2000.	
d 7/13/2000, Q3 11/13/2020, Q4 Q4 11/23/2000, S(11/2000, AS/S/2000 S(11/2000, AS/S/2000 S(11/2000, AS/S/2000) Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism, if appropriate. Selective Date: 1/1/00 Expiration Date: 1/1/01 Marca Carrier: C C Selective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism: Selective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism: Selective Date: 1/1/00 Expiration Date: 1/1/01 None Storage Tank Program Office O Yes No O CWOE - Compliance without Enforcement Are inspection will be scheduled on or after: O Yes No O CWOE - Compliance without Enforcement Storage Tank Program Office Storage Tank Progr	11/-12000		alic	12012 Col (22 11/12/2	202
State State Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism, if appropriate. X Insurance Carrier: C V Insurance Carrier: C None None Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761 O Ves No CWOR - Compliance without Enforcement Are inspection will be scheduled on or after 30 days to verify correction of the non-compliance items noted Cittles ENUIRON MENTAL HEAUTH SS2-S27-S29.5 Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Inspector Name - Please Print Mark I2/S/2000 Inspector Please Print		$- \overline{\tau} $			
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:	+ 7/13/200	$\partial_{\mu}Q$	3 11	13/2000, QY 11/29/200	,00,
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:	5/11/2000	siel.	~~~		
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:		101212	000		
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:					
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:					
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:				· ·	
X Insurance Carrier: C + SC Effective Date: 1/1/00 Expiration Date: 1/1/01 Other Coverage meeting federal financial responsibility requirements. Mechanism:					
Other Coverage meeting federal financial responsibility requirements. Mechanism: None Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761. A re-inspection will be scheduled on or after 30 days to verify correction of the non-compliance items noted Citrous ENUIRON MENTAL HEALTH Storage Tank Program Office C. MARK SUMMER Inspector Name - Please Print Mark S. 12/5/2000 Mark S. 12/5/2000	Financial Responsibility – Verify owner's coverage	e. Select In	isurance	e or Other, and provide Mechanism, if appropri	ate.
Other Coverage meeting federal financial responsibility requirements. Mechanism: None Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761 A re-inspection will be scheduled on or after 30 A re-inspection will be scheduled on or after 30 Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Citros ENUIRON MENTAL HEAUTH Storage Tank Program Office C. MARK SUMMER Inspector Name - Please Print Mark S. 12/5/2000	X Insurance Carrier C + E			Effective Date: 1/1/07) Expiration Date	
None Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761. O Yes No O CWOE - Compliance without Enforcement A re-inspection will be scheduled on or after 30 days to verify correction of the non-compliance items noted O ITRUS ENUIRON MENTAL HEALTH 352-527-5295 Storage Tank Program Office Storage Tank Program Office Phone Number Anit Fo/tA4 Inspector Name - Please Print Talks L 12/5/2000 12/5/2000				Enceate Date Explation Dat	<u></u>
Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761 O Yes No O CWOE - Compliance without Enforcement A re-inspection will be scheduled on or after 30 days to verify correction of the non-compliance items noted Citros ENUIRON MENTAL HEAUTH 352-527-5295 Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Arit Folication Inspector Name - Please Print 12/5/2000 Mark S. 12/5/2000	Other Coverage meeting federal financial res	sponsibility	requiren	nents. Mechanism:	
Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761 O Yes No O CWOE - Compliance without Enforcement A re-inspection will be scheduled on or after 30 days to verify correction of the non-compliance items noted Citros ENUIRON MENTAL HEAUTH 352-527-5295 Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Arit Folication Inspector Name - Please Print 12/5/2000 Mark S. 12/5/2000	None				
Florida Administrative Code 62-761 O Yes No O CWOE - Compliance without Enforcement A re-inspection will be scheduled on or after <u>30</u> days to verify correction of the non-compliance items noted CWOE - Compliance without Enforcement C iTRUS ENUIRON MENTAL HEALTH 352-527-5295 Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Inspector Name - Please Print Mark SL 12/5/2000 Mark SL 12/5/2000	110110			·	
CITRUS ENVIRONMENTAL HEALTH 352-5295 Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Inspector Name - Please Print Mark SL 12/5/2000 12/5/2000 12/5/2000					
Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Inspector Name - Please Print Inspector Name - Please Print Facility Representative Name - Please Print Mark Sum 12/5/2000 12/5/2000	A re-inspection will be scheduled on or after <u>O</u>	days to veri	ity correc	ction of the non-compliance items noted.	
Storage Tank Program Office Storage Tank Program Office Phone Number C. MARK SUMMER Inspector Name - Please Print Inspector Name - Please Print Facility Representative Name - Please Print Mark Sum 12/5/2000 12/5/2000	CITRUS ENVIRON MENTAL HE	EALTH		352-527-5295	
Inspector Name - Please Print Marke Se 12/5/2000 12/5/2000 12/5/0	Storage Tank Program Office				
Mark Se 12/5/2000 11 12/5/0				Choir Forcas	
pector Signature & Date 12/5/2000 Facility Representative Signature & Date 12/5/2000	Inspector Name - Please Print			raciiity Representative rame - Please Print	1 1
pector Signature & Date Facility Representative Signature & Date	MILLO 10%	-/		1AT	ple h
Pecific Dignature & Date / /	actor Signature & Date	1200	<u> </u>	Facility Representative Signature & Date	12/2 /02
·				r aomy a oprosontative orginature & Date	

,

Page _____ of _____

Grage Systems Grage Systems Grage Systems Grage Systems Grage Systems Grage Systems enlity Name: TEXACO 242030051 Facility ID: 8503151 Date: 12/5/00 Description / Inspector's Comments Burrite Comments. Release detation is a veeder rost TLS 350 CSCD ATG (Analam history report is attached in file). The Single Willed Pipe istested By pubs Continuously. (please provide records for the investigations for failed pulp tects Monthly VISUAL Cleaks Of the dispersel liners are done by EnviroTrac, and Conditions are noted on these report. Swing Joints Gre Cathodicly protected last structure to soil potential tesd done 4/24/2000 by TANKNOLOGY next test due 4/24/2001. The Monital Wells are still open as part of assessment for site rebabilitation. All 4 Disponsed lines were dry. 2000/2001 Placard & RDRL are on display at the facility.

Page & of 2

X

This data is current as of: 06-NOV-2000

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

ويتبته

Facility Information ID#: 8503151 District: SWD Name: TEXACO #24-203-0051 County: Citrus 310 Se Hwy Us 19 Type: Retail Station Crystal River, FL 32629 Status: Open Contact: George Johnston Latitude: 28:53:34.0000 Phone: 407-263-7005 Longitude: 82:35:04.0000 mS TONY Attwell LL Method: AGPS Account Owner Information 71-2693 Name: Motiva Enterprises Llc 650 S North Lake Blvd #450 Attn: Catherine Fields Altamonte Springs, FL 32701 Phone: 407-263-7029 Tank Owner Information Name: Motiva Enterprises Llc 650 S North Lake Blvd #450 Attn: Catherine Fields Altamonte Springs, FL 32701 Phone: 407-263-7029 Tank Size Content Installed Placement Status Const Pipe Monitor # 10000 Unleaded Gas 1 07/01/1983 UNDER С U A G E Κ L Μ Ε 4 0 J С 10000 Unleaded Gas 07/01/1983 UNDER 2 U A G Κ Ε L E Μ 4 Ο J 10000 Unleaded Gas С 3 07/01/1983 UNDER U A G Ε Κ L Е Μ 4 J 0 С 10000 Vehicular Diesel 07/01/1983 UNDER U A G 4 Κ E L Ε Μ 4 J Ο 550 Waste Oil 07/01/1965 UNDER 5 В

ote: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D).

'tlhora2.dep.state.fl.us/www_stcm/owa/page_two

Site No. 65 Texaco #24-203-1357 59 SE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503064

Division o	ir Stone Road • Tallahassee, riorida 32399-2400 f Waste Management troleum Storage Systems	65
Storage Tank Facility	Compliance Inspection Report	
Facility ID FS03064 County O 9	CITRUS Inspection Date	4/3/01
Facility Name TEXACO #24-20		4-RETAIC
Latitude 28 °S 37" Longitude 8		
Check box to identify type of inspection performed. Update latitude/log Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan) Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection), "GGPS" (Trimble)). Inspected	# ATSs Inspected
Compliance Inspection (Annual) TCI	Installation Inspection	TIN
Compliance Inspection (DRF received) TCDI	Closure Inspection	TXI
Compliance Inspection (Complaint received) TCPI	Compliance Re-Inspection	TCR
Discharge Evaluation ("short form") TDI	** Record the results of the TDI in a Discharge	? Project
 "Code" in block below corresponds to the Rule Cite; represents a Data Entry C 	Code for ease of electronic data recording of inspection results.	· ·
Rule Cite Description / Inspector's Com	nents	Code
3/30/01 220 90	al of ULGas was s	Spilled
during an over	<u> </u>	
		1
Value Shut off	flow + He drive	disconnected
the hose and	the fuel left in the	e hose
Was release	to the patting	107
	When Hemanage	1 Carles
ct/:25am h		11
		<u>Fle</u>
puddles from	Tain and Used A	6501bout
Pets to cle	an up the liquid.	
Financial Responsibility - Verify owner's coverage. Select Insuran	ace or Other, and provide Mechanism, if appropris	ate.
X Insurance Carrier: Continental / Casu	Expiration Date: 1/1/01 Expiration Date	e: 1/1/02
Other Coverage meeting federal financial responsibility requir		77
None		
Based upon the inspection results and information provided by the		
Florida Administrative Code 62-761. Yes A re-inspection will be scheduled on or after days to verify cor	O No O CWOE – Compliance with rection of the non-compliance items noted.	out Enforcement
CITRUS ENVIRONMENTAL HEALTH	357-577-5787	
Storage Tank Program Office	Storage Tank Program Office Phone Number	
C-MARK SUMMER	TONI M. Atwell Facility Representative Name - Please Print	
"11 lack - 4/3/01	Jan M. Tholl	t13 01
pector Signature & Date	Facility Representative Signature & Date	
		Page of

acility Name: ToxACO 24-203-1357 Facility ID: 8503064 Date: 4/1/01

lule Cite	Description / Inspector's Comments
	The absorbent pads were wrapped in
	Plastic and will be propuly disposed off
· ·	* place Send the manifest
	for the proper disposed of the absorbert
<u></u>	The applicate Concrete asea including
	Ale asphilt behind the vent was affected
	dere totle rain. No sleen was seen
· · ·	intle Storm water run off on US 19.
	Intic our Deto in off or os fi
	the day is hardled to Entrated
,,, <u>_</u> ,,,	He clean up was handled by Envirotrac Hey arrived 210:30 Am Clean up took
	2 3 hours.
	At this AMAGE time 9:45 Am
	4/3/2001 no product uns seen attle
	area. No staining was Seen on the concrete
	the absorbent metaid was wrapped in
	plastic awaiting proper disposal.
<u> </u>	
	· · ·

Page <u>2</u> of <u>2</u>

This data is current as of: 04-APR-2001

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

ID#: 8503064 District: SWD Name: TEXACO STATION #101708 County: Cit 59 Us 19 S Type: Ret Crystal River, FL 32629-4808 Status: Ope Contact: Latitude: 28: Phone: -- Longitude: 82:

County: Citrus Type: Retail Station 1808 Status: Open Latitude: 28:53:37.0000 Longitude: 82:35:03.0000 LL Method:

Method:

Account Owner Information

Name: Motiva Enterprises Llc 650 S North Lake Blvd #450 Attn: Catherine Fields Altamonte Springs, FL 32701 Phone: 407-654-6897

Tank Owner Information

Name: Motiva Enterprises Llc 650 S North Lake Blvd #450 Attn: Catherine Fields Altamonte Springs, FL 32701 Phone: 407-654-6897

Tank #	Size	Conten	t	Installed	Placement	Status	Const	Pipe	Monitor	•
4	8000	Unleaded	Gas	02/01/1996	UNDER	U	E I M O N P	C F K J	L K 2 4 G F)
5	8000	Unleaded	Gas	02/01/1996	UNDER	U	E I M O N P	C F K J	L K 2 G F	SONS
1	10000	Unleaded	Gas	07/01/1980	UNDER	В			, i)	
2	10000	Unleaded	Gas	07/01/1980	UNDER	B				

Site No. 67 Capital City Bank (aka Barnett Bank) 101 SE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 099400262



1300 S. Lecanto Hwy. Lecanto, Fl. 34461 (904)746-1335 * Office (904)746-0766 * Fax

February 7, 1994

Certified Mail

Barnett Bank P.O. Box 4099 Jacksonville, Fl. 32201

Att: Richard Withers

Ref. Unregistered Former Barnett Bank 101 S.E. Hwy. 19 Crystal River, Fl. 34429

Richard Withers,

The department has completed its review of the contamination findings in the letter dated January 26, 1994 submitted by Environmental Science & Engineering. Copies of inspection report, discharge reporting form and FPLIRP checklist are attached.

At this time a contamination assessment as defined in Chapter 17-770, F.A.C. should be initiated within 30 days and a Contamination Assessment Report (CAR) must be prepared and submitted within six months from the date contamination was found. Two copies of the report should be submitted to Ms. Laurel Lucado, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619.

If you have any questions concerning this letter, feel free to contact Ms. Laurel Lucado at (813)744-6100 Ext. 427.

Thanking you in advance,

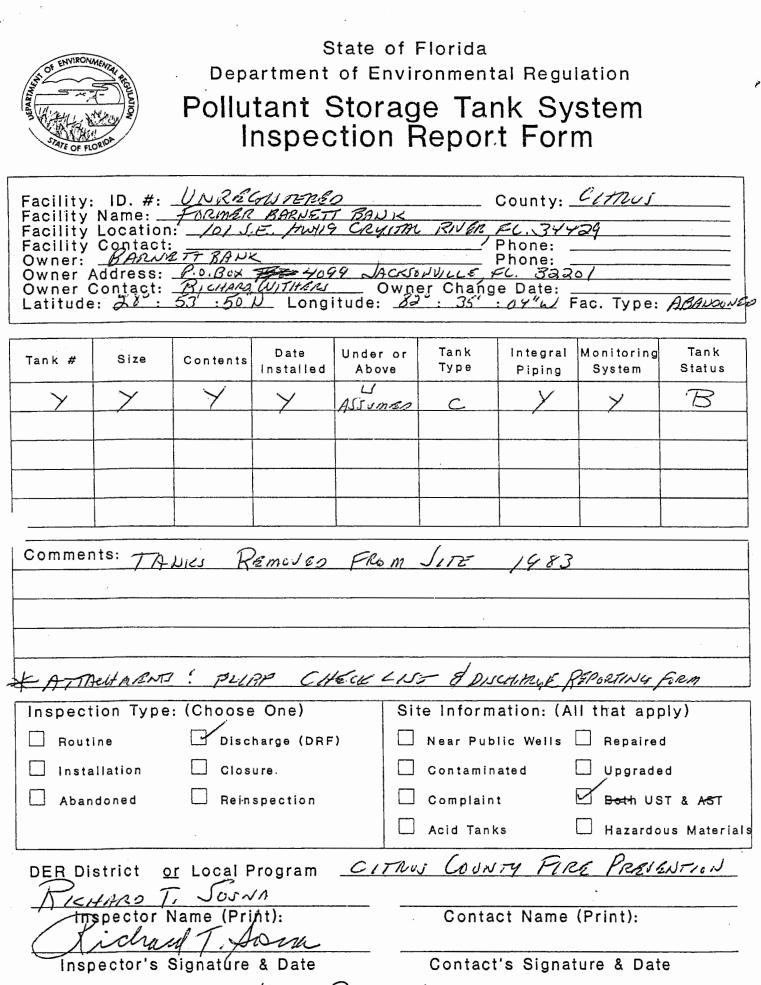
Richard T. Sosna

Tanks Program Supervisor Citrus County Fire Prevention

Attachments:

CC:

Laurel Lucado - FDEP, Tampa Leslie Pedigo - FDEP, Tampa Bill Truman - FDEP, Tallahassee Tom Lowery - Environmental Science & Engineering, Inc.



DER	Form	761	-01-91
-----	------	-----	--------

Nept Angreetion AT CLOSURE

Site No. 68 Big Lots (aka Kmart) 146 SE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098626550



CITRUS COUNTY FIRE PREVENTION BUREAU

1300 S. LLCANTO HWY. LECANTO, FLORIDA 32661

Officer: William M. (Mike) Connell

(904) 746-1335

60

Date: September 27, 1990

Name : Ms. Gerri Pereira Company: K-Mart Street: 146 S.E. Hwy 19 State: Crystal River, Florida 32629

> DER FAC # 098626550 Establishment: K-Mart Address: 146 S.E. Hwy. 19 Crystal River, Florida 32629

Dear: Ms. Pereira,

kk

Attached are the 17-61 Florida Administrative Code compliance inspection results for the above named facility. Please review the noncompliance items checked in the "No" column and explained at the bottom of the attached inspection checklist. For any item checked "UNK" (unknown) please review and explain the deficiency. Please submit a response within 14 days which provides a schedule for correcting the noted deficiencies. Only if no's or unknowns are checked, see comments on front page of inspection report.

If you have any questions concerning this letter, please call us at (904)746-1335.

Sincerely, chard 竹 Sosna Fuel Tank Inspector

North Contraction of the second	TROMMENTAL RECOMMENDATION	Pollu	partment of tant Sto	orage T	ia Ital Regulatio Tank Sy ort Forr	stem		
acincy ID No	o.: 098	626 55	ō			Cour	ity: CITRU	<u></u>
acility Name acility Local Operator: Owner:	e: kion: (_FE_2R_]	-MAU 76 S.E. PÉREIRA	Hw Y 19	CRYSTA	RIVER F	26. <u>3.76.24</u> Phor Phor	ne: <u>793 %</u> ne: <u>793 %</u>	40
atitude <u>2</u> ?	°53'35		le <u>82 ° 35</u>	<u>88</u> "w'Sec	tion	Township	Range	e
Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status
1	1000	54780	× × /80	U	C	C	ß	B
2	250	L	4/89	. A	7	A	I	U
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	-
Initial	Type: aint Response Well Field	🗌 Installa	ation Removal		lity Information Abandoned Aboveground GovtFederal GovtOther		Non-retail Retail Retrofit (M. or Retrofit (L. or	,
ations m	LOUTWWR Unspector ust be correct	7. John 's Signature &	9/35/1 Date t routine inspe			ty Contact's S	Signature & Date MAPLICAS _ I _ yr	9

è

. .

Site No. 69 Circle K #2814 16 NE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098518709 EPA I.D. No. FLD984254136

FLORIDA	ce Bidg. @ 250 Divis Bureau	00 Blair sion of V of Petro	f Environmento Stone Road • Tallahas Waste Management Dleum Storage Syste Compliance Insp	see, Fioinda 32 ms	2399-2400		61
Facility ID 8518709 Facility Name CIRCLE K	County C		CTRUS	-	ction Date		100
			.35'06"		Method 🛛		
Check box to identify type of inspection performed. Provide Lat/Long Determination Method. ("Map", " Provide the count of USTs and/or ASTs reviewed du	'AGPS" (Ma	gellan), '	itude as necessary. 'GGPS" (Trimble)).	# USTs Inspected		# ATSs Inspected	
Compliance Inspection (Annual)	TCI		Installation Inspec	tion		TIN	-11
Compliance Inspection (DRF received)	TCDI		Closure Inspection		<u></u>	TXI	
Compliance Inspection (Complaint received)	TCPI		Compliance Re-In			TCR	
Discharge Evaluation ("short form")	TDI		** Record the rest		in a Discharg		
······································	·		L				
"Code" in block below corresponds to the Rule Cite; rep	presents a Data	Entry Coo	le for ease of electronic da	ta recording of i	nspection results.		
Bute Cife Description / In	spector's	Comme	ents			(Code
				- , /	7 ;		
Comments Release	dete	ecti	un 15 :	5 / P.	< <u>b</u>		
USTA	an	\sim	ductures	100	0	.	
	port	1-1	<u>ovstore</u>		<u> </u>	•.	
ALPE	22	Sin	ce 6-	79 70	7-20	20	
U.S. I	h	- 4	ng of t	la dud	al a l m l	1	1
	rion; T	<u>z s s v</u>	ng OF I	LE CLOOP	pie sa	(
PIPEZ	2+ +1	ne	Sumpa	ind .	dispen	se	
lings	. n /	1-	Associ	stor.	1111		
	2	FIL	0	1	1		
Conditi	<u>1 2 1 1</u>	ste	d on M	onthly_	Cleck	start.	
2000/0	AN C	lar	erd t k	2NSI	0-1	r. J. m	
200072	201 10	1.40		e vie c		701-3	
stite.	facil	1+n -					
Financial Responsibility - Verify owner's covera	ge. Select I	nsurance	e or Other, and provi	de Mechanisı	n, if appropri	ate.	
			Effective Date:	-		.e.	
Other Coverage meeting federal financial r	esponsibility	requirer	ments. Mechanism:	Self	2		
				•			
None							
L			·····				
Based upon the inspection results and informati Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	Yes Yes		O No O	CWOE-Co	mpliance with		
			-	_			
CITRUS CNTY ENU.	HEATT	1	352-5	27 - 5	293	-	
Storage Tank Program Office			Storage Tank Program	Office Phone N	umber	•	
C. MARK SUMMER			Storage Tank Program	ES F	RANCO	21	
Inspector Name – Please Print			Facility Representativ	e Name – Please	Print		
mic	1-1	- (T.	T.	m		
lack n 91	18/0	0	Trence	the second second second second second second second second second second second second second second second s			
Inspector Signature & Date	• / -		Facility Represer	tative Signat	ture & Date		
,						Page	of <u>2</u>

Facility Name: CIRCLE K 2814 Facility ID: 8518709 Date: 9/19/00 Cite Description / Inspector's Comments Comments the Tanks, Lines, and Line Leck detectors were tested by AAA Tank Testers all passed Tanks tested 8/3/98 Due 8/3/2001 (ID tested 7/22/2000 Duc 7/22/2001 (inested 7/22/2000 SECRIFICIAL anode Cettedic Protection System had the structure to soil Survey Performed by tenknology Conditions noted at time of inspection all Dispensel lines weedry. Regult + plus un sumps were dry Premium sump & 1-2 inches of liquid. Cathodic Protection System 15 factory installed manager Count Sach Sicial Amade not impressed Current please Confirm Wan the Structure to Soil test was performed,

Page 2 of 2



5801 Benjamin Center Drive, Suite 101 Tampa, Florida 33634 www.atc-enviro.com 813.889.8960 Fax 813.889.8754

ORIGINAL



A II: 29

Remedial Action Plan Circle K Store #2814 FDEP Facility No. 098518709 FDEP Work Order No. 2003-95-1309

Prepared For:

Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Florida 32399-2400

REMEDIAL ACTION PLAN

Circle K Store #2814 16 NE Highway 19 Crystal River, Florida ATC Project No. 16564.0405 FDEP Facility No. 098518709 FDEP Work Order No. 2003-95-1309

December 2002

Prepared For:

Ms. Bevin K. Hankley Florida Department of Environmental Protection 2600 Blair Stone Road Tallahassee, Florida 32399-2400

ATC ASSOCIATES INC. Prepared by:

Waldrep.

Project Manager

ATC ASSOCIATES INC. Reviewed by:

Und In

Mark Wallinga, P.G. Division Manager



5801 Benjamin Center Drive, Suite 101 Tampa, Florida 33634 www.atc-enviro.com 813.889.8960 Fax 813.889.8754

PROFESSIONAL ENGINEERING CERTIFICATION

REMEDIAL ACTION PLAN

Circle K Store #2814 16 NE U.S. Highway 19 Crystal River, Florida FDEP Facility No. 098518709 ATC Project No. 16563.0405 FDEP Work Order No. 2003-95-1309

December 27, 2002

The engineering information in this document was prepared by and/or under the direct supervision of a Florida licensed Professional Engineer. The engineer certifies that the document conforms to currently accepted engineering practices pursuant to Chapter 471 of the Florida Statutes.



TABLE OF CONTENTS

t

Ĩ

T

I

1.0	INTRODUCTION1
2.0	BACKGROUND INFORMATION
3.0	SITE ASSESSMENT SUMMARY23.1 Potable Well Survey23.2 Utility Survey23.3 Geologic Profile23.4 Soil Screening23.5 Aquifer Characterization33.6 Groundwater Chemistry3
4.0	REMEDIAL ACTION ALTERNATIVE SELECTION4
5.0	RECOMMENDED REMEDIAL ACTION65.1 Vapor Recovery System Design75.2 Vapor Recovery System Vapor Phase Treatment75.3 Construction8
6.0	ESTIMATED PROJECT LIFE
7.0	MONITORING AND MAINTENANCE97.1 Vapor Recovery System97.2 Groundwater Monitoring107.3 Soil Sampling107.4 Reporting10
8.0	ESTIMATED CONSTRUCTION COSTS
9.0	REMARKS
10.0	PAY FOR PERFORMANCE EVALUATION

PAGE

TABLES

- Table 1
 Summary of Soil Screening Results
- Table 2Soil Analytical Summary
- Table 3Groundwater Elevation Table
- Table 4Groundwater Analytical Summary
- Table 5Equipment Summary
- Table 6
 Estimated System Construction Costs

FIGURES

- Site Plan Figure 1 Figure 2 Organic Vapor Concentration Map 0-2 Feet Dissolved Benzene Concentration Map - September 17, 18, 2002 Figure 3 Dissolved Naphthalene Concentration Map - September 17, 18, 2002 Figure 4 Figure 5 Vacuum Recovery Well Locations and Radii of Influence Figure 6 Vacuum Recovery Process Flow and Instrumentation Diagram Proposed Vapor Recovery Well Construction Detail Figure 7 Infiltration Gallery Details Figure 8
- Figure 9 Proposed Trenching Layout

APPENDICES

Appendix A Site Eligibility Documents & CAR Approval Documents

Appendix B Estimated Mass of Contaminated Soil and Groundwater

- Appendix C RAP Summary Sheet
- Appendix D Infiltration Gallery Sizing
- Appendix E Vacuum Blower Sizing
- Appendix F Transfer Pump Design Calculations
- Appendix G Air Stripper Sizing
- Appendix H Vapor Phase Treatment Specifications
- Appendix I Control Specifications
- Appendix J Project Life Estimate
- Appendix K Cost Details

REMEDIAL ACTION PLAN CIRCLE K # 2814 16 NE U.S. HIGHWAY 19 CRYSTAL RIVER, FLORIDA FDEP FACILITY NO. 098518709

1.0 INTRODUCTION

ATC Associates Inc. (ATC) has prepared a Remedial Action Plan (RAP) for Circle K No. 2814 (site), located at 16 NE U.S. Highway 19, Citrus County, Florida. This report will present a cost effective and technically feasible remedial design to address the on-site soil and groundwater petroleum contamination identified in the Contamination Assessment Report (CAR) and CAR Addendum submitted by ATEC Associates, Inc in March and September 1995, respectively, and subsequent site assessment activities. This RAP document has been prepared in accordance with the Florida Department of Environmental Protection (FDEP) Petroleum Cleanup Pre-Approval Work Order 2003-95-1309 and Chapter 62-770, Florida Administrative Code (FAC).

2.0 BACKGROUND INFORMATION

The site is located at the intersection of NE 1^{α} Terrace and 16 NE U.S. Highway 19 in Crystal River, Citrus County, Florida, in the southeast quadrant of Section 21, Township 18 South, Range 17 East of the United States Geological Survey (USGS) Crystal River, Florida Quadrangle Map. The elevation at the site is approximately 10 feet above mean sea level (msl).

The site is currently a gasoline and retail convenience store with three underground storage tanks (USTs). The Circle K property is rectangular in shape. As shown in Figure 1, the facility consists of a single building, a UST pit and a single canopy fuel island located in the eastern portion of the site. The western portion of the site is vacant. The UST pit is covered with concrete, with the surrounding areas covered with asphalt or unpaved. The site is bordered to the north and west by shopping centers, to the south by NE 1st Terrace and to the east by U.S. Highway 19.

As reported in the Contamination Assessment Report (CAR), stormwater runoff appears to flow toward a drainage gutter along the west side of U.S. Highway 19, which drains to a small retention pond. Stormwater is also able to recharge the shallow surficial aquifer through the unpaved areas on the west side of the site.

A Professional Land Survey (PLS) was prepared by Van Norman & Associates, Inc., of Crystal River, FL in September 2001 as part of a previous Preapproval Work Order. A site plan is provided as Figure 1.

According to the CAR, a Discharge Notification Form (DRF) was submitted on November 1, 1988. According to the DRF, the discharge was due to an overfill of the UST system. The site was accepted into the Early Detection Incentive (EDI) Program on January 22, 1990. FDEP correspondence approving EDI and reimbursed cleanup are presented in Appendix A.

1

ATEC completed a contamination assessment for the site, and their CAR was submitted to the FDEP in March 1995. ATEC also submitted a CAR Addendum in September 1995. The FDEP issued a letter approving the CAR and Addenda on February 2, 1996 (attached as part of Appendix A). ATC performed supplemental site assessment activities and submitted a Level 3 Site Assessment Report (November 2000), a Level 4 Site Assessment Report (December 2001) and a General Site Assessment Report (June 2002).

3.0 SITE ASSESSMENT SUMMARY

Information presented in Section 3 was taken from the aforementioned CAR, the CAR Addenda prepared by ATEC and the subsequent assessment reports submitted by ATC. The data from the September 2002 groundwater sampling, which is part of the RAP Work Order, were presented to the FDEP in a Groundwater Sampling Report dated October 23, 2002.

3.1 Potable Well Survey

ATC conducted a potable well survey, which was reported in the General Site Assessment Report dated June 19, 2002. One public supply well was located within a one-half mile radius of the site. No private or small potable water wells were identified within a ¹/₄-mile radius of the site.

3.2 Utility Survey

Utility locations are shown on Figure 1.

3.3 Geologic Profile

The CAR states that the site geology consisted of fine-grained sand, clayey sand and sandy clay to a depth of approximately 10 to 14 feet below land surface (bls). A limestone unit is present beneath the unconsolidated sediments and extends to at least 28 feet bls. Several voids were encountered in the limestone unit. No data was obtained below 28 feet bls.

3.4 Soil Screening

As noted in the CAR, ATEC performed soil assessment activities at the site in 1995 and identified excessively contaminated soil (Organic Vapor Analyzer (OVA) readings) in excess of 500 parts per million (ppm) in the vicinity of the dispenser island.

During the assessment activities performed by ATC in 2000, 2001 and 2002, ATC installed soil borings and monitoring wells, took OVA readings from each and submitted five soil samples for laboratory analyses (one on 10/24/00 and four on 11/7/01). The soil assessment identified elevated OVA readings from the soil samples collected from the vadoze zone (see Table 1 and

Figure 2). Petroleum contaminants above the soil cleanup target levels established in Chapter 62-777, FAC, were detected in three of the soil samples analyzed by the laboratory (see Table 2). Based on the results of the OVA screening and the laboratory analyses, it appears that soils exhibiting OVA concentrations greater than 500 parts per million (ppm) at the site are petroleum contaminated.

The estimate mass of contamination in soil is calculated in Appendix B.

3.5 Aquifer Characterization

Groundwater levels range from approximately 3.05 to 6.30 feet bls with seasonal variation (Table 3). The groundwater flow direction appears to be towards the north and northwest. As reported in the CAR, the average hydraulic gradient at the site is 0.019 foot. The CAR reported an average hydraulic conductivity for the zone from 3.5 to 13.5 feet bls of 30.76 feet per day based on single well aquifer tests.

3.6 Groundwater Chemistry

A summary of the groundwater chemistry data collected for the site is presented in Table 4. The approximate extent of the dissolved benzene plume is shown on Figure 3 and the naphthalene plume is shown on Figure 4. The estimated mass of contamination in groundwater is calculated in Appendix B.

4.0 REMEDIAL ACTION ALTERNATIVE SELECTION

The following alternatives were considered as potential technologies for obtaining site closure:

- Submersible pump groundwater recovery and treatment;
- Vapor extraction;
- Dual phase extraction;
- Soil Excavation;
- Chemical Oxidation;
- Air sparging in conjunction with soil vapor extraction; and
- Air sparging in conjunction with vacuum recovery.

Submersible pump groundwater recovery and treatment

Experience in the remediation of petroleum-contaminated sites indicates that groundwater recovery using submersible pumps may not be the most cost-effective or expedient technology. Remediation projects using submersible pumps have historically had a very long project life (much longer than most models predict). Additionally, the use of groundwater recovery alone as a remedial strategy does not address all phases of the contaminated media (i.e., contaminated soil). Groundwater recovery may be effective for hydraulic control of the dissolved petroleum contaminant plume if other remedial technologies cannot be applied due to vertical or horizontal site restrictions.

ATC does not recommend submersible pump groundwater recovery.

Vapor Extraction (VE)

A VE system can be used to remediate the vadose and groundwater fluctuation zones. At sites where dissolved phase contaminants are present, an additional remediation method must be used. VE is not effective at sites with high water table elevations. The groundwater will cover the exposed well screen, reducing or possibly stopping the VE airflow.

Possible remedial benefits of adding vacuum enhancement to a groundwater recovery system are the potential remediation of the vadose and groundwater fluctuation zones. This enhancement overcomes some of the inherent limitations in groundwater recovery as a remedial method. However, as stated above, groundwater recovery at this site is not considered cost effective due to the potential for an extended project life.

Dual phase extraction (DPE)

Dual phase extraction (DPE) as remedial strategy would potentially remediate the vadose, the groundwater fluctuation zones, and the zone of groundwater contamination simultaneously. A

large amount of air and water are extracted from the DPE wells, creating drawdown and exposing the adsorbed contaminants to vapor phase extraction. This technology uses expensive capital equipment (often an oil-sealed liquid ring vacuum pump). Additionally, maintenance costs on a DPE system are higher than systems using other technologies. Due to the construction of a liquid ring pump, oil can be ejected from the vapor stream if vacuum levels drop below the required operating conditions (typically 14" to 18" Hg).

ATC has experienced success remediating sites with DPE, however the general consensus with the FDEP is that DPE is not generally as effective as AS/VE. Therefore, whenever possible, ATC will propose AS/VE instead of DPE.

Soil Excavation

Soil excavation (and subsequent off-site thermal treatment) is one of the most effective ways to reduce the source area at a petroleum-contaminated site, provided the source area is accessible to excavation activities. Soil excavation within the vadose zone and smear zone reduces the amount of source material present within the subsurface. This reduction in source material reduces the amount of adsorbed contaminants, which can desorb into the aqueous phase thus stopping the continual migration of contaminants from the soil matrix into the surrounding aquifer. Although soil excavation does reduce the amount of soil source material present at a contaminated site, it does not address the dissolved phase contaminants already present in the aqueous phase. It should also be noted that soil excavation is costly, especially if a large amount of soil needs removal and treatment.

Typically construction de-watering with discharge to storm water facilities is conducted in conjunction with a soil excavation to address the dissolved phase petroleum hydrocarbons. Generally, a short-term NPDES permit is required to discharge the recovered water. If certain contaminants such as lead are present, an NPDES-permitted discharge is not feasible.

Soil excavation is not recommended for this site since some of the source material is underneath the fuel / piping system and due to the presence of dissolved phase contaminants.

Chemical Oxidation

Chemical oxidation of hydrocarbons appears to be an effective technology for remediating hydrocarbon contamination. This technology is highly exothermic and can damage underground pipes, tanks, and utilities. Since this site is an active gasoline station, chemical oxidation is not an appropriate remedial technology.

Air sparging in conjunction with soil vapor extraction (AS/VE)

Air sparging (AS) in conjunction with soil vapor extraction (VE) was also considered as an alternative. AS technology can be used in a variety of geological and hydrogeological settings, as well as at sites with varying concentrations and aerial distributions of petroleum contaminants. The primary remedial processes promoted by AS are in-situ stripping of dissolved hydrocarbons with sufficiently high Henry's Law constants, enhanced aerobic biodegradation of dissolved phase contaminants due to increased dissolved oxygen levels, and volatilization of adsorbed phase constituents. At petroleum-impacted sites, the primary contaminants are volatile organic aromatic (VOA) compounds such as BTEX and naphthalene. The VOA and lighter PAH (naphthalene) compounds are highly amenable to remediation by AS and VE processes due to their volatility, strip ability and aerobic biodegradability characteristics.

A VE system is typically used in conjunction with AS to remediate the vadose and groundwater fluctuation zones as well as to recover vapors generated during AS. Similar to AS, the primary remedial processes promoted by VE are stripping, volatilization and biodegradation. VE is not effective at sites with high water table elevations. The groundwater will cover the exposed well screen, reducing or possibly stopping the VE airflow. This renders the VE system ineffective and can allow a pressure buildup from the AS system.

Due to the high water table conditions at this site, AS/VE is not considered effective. In addition, air sparging is not considered feasible due to the presence of limestone at a relatively shallow depth (10 to 14 feet bls).

Vacuum Recovery (AS/VR)

Vacuum recovery (VR) is similar to VE except a vacuum blower capable of higher vacuums is used. The blower will have sufficient vacuum to extract water and air from the VR wells, allowing airflow in the event of high water table. Additionally, since this system is expected to extract groundwater, a method of treatment (liquid phase carbon or an air stripper) is required.

A RAP Summary is attached as Appendix C.

5.0 RECOMMENDED REMEDIAL ACTION

ATC recommends that soil and groundwater remediation at this site be performed by a VR system. VR will be implemented to extract groundwater from the saturated zone and soil vapors from the vadose and groundwater fluctuation zones and soils exposed as a result of groundwater withdrawal.

· - 、

5.1 Vapor Recovery System Design

A VR system consisting of five vapor recovery wells is proposed for this site. The locations of the proposed vapor recovery wells are provided in Figure 5 and the process flow diagram is illustrated in Figure 6. A radius of influence of 25 feet per well was assumed for the design. The assumed 25 feet radius of influence was based on ATC's experience with sites with similar geologic and aquifer characteristics.

The vapor recovery wells will be installed to total depths of 12 feet bls and screened from 3 to 12 feet bls (Figure 7). The depth of the proposed vapor recovery wells was selected based on the shallow nature of the dissolved petroleum contamination (i.e., the depth to water is generally three to six feet bls and dissolved petroleum contamination has not been detected in the vertical extent well, which is 30 feet deep). All vapor recovery well points will be operated simultaneously during the vapor recovery process. A Roots URAI 711 blower (or equivalent) will be used to extract water and air. Air is expected to be withdrawn from each well at a rate of approximately 50 standard cubic feet per minute (scfm). Water is expected to be withdrawn from each well at a rate of approximately two gallons per minute (gpm). Recovered groundwater will be treated using a low profile air stripper to remove dissolved petroleum constituents prior to discharge to an on-site infiltration gallery (Appendix D). The discharge water will be transferred from the air stripper to the infiltration gallery via a transfer pump. The proposed infiltration gallery details are depicted on Figure 8.

Each piping run will be equipped with quick connect ports to insert an assembly utilizing a vacuum gauge and a flow meter. The line sizing and VR design calculations are presented in Appendix E. The transfer pump sizing and calculations are provided in Appendix F. The air stripper design calculations and specifications are presented in Appendix G. The remediation equipment including the vacuum pump and the air stripper will be placed within a fenced compound on the west side of the site. The proposed treatment system will be trailer mounted and thus an equipment layout will not be provided until prepared by the vendor.

Purchasing the equipment will be more cost effective than leasing the equipment due to the anticipated cleanup time (refer to Section 6.0). A summary of the equipment specifications is presented in **Table 5**.

5.2 Vacuum Recovery System Vapor Phase Treatment

The initial estimated average Hazardous Air Pollutant (HAP) effluent discharged into the atmosphere is approximately 54.62 lbs/day. This calculation is based upon converting the average OVA reading from the vadose zone soils within the plume to a vapor hydrocarbon concentration. The calculation is provided in Appendix H. The FDEP guideline limit for vapor

emissions is 13.7 pounds of HAP per day. Therefore, vapor phase treatment will be required at this site. A granulated activated carbon (GAC) adsorption system is proposed as the most appropriate offgas treatment technique. A thermal incinerator or catalytic oxidation unit is not recommended because of the higher operating costs (monthly lease and electrical or propane fees) and numerous maintenance problems.

The proposed GAC system consists of a 2,000-pound vessel. Design of the GAC system was based on estimated influent total hydrocarbon concentrations in conjunction with the estimated loading rate. The initial 2,000 lbs vessel of carbon is expected to be spent in approximately seven days (as calculated in **Appendix H**). Organic vapor concentrations will be monitored with an OVA on a daily basis during start-up and a weekly basis for the first month of system operation. Air samples will be collected to evaluate HAP recovery. The samples will be analyzed for BTEX, MTBE and TPH via EPA Method 18. One air sample will be collected from the untreated air at start-up. Subsequent air samples will be collected from the untreated air at each regularly scheduled O&M visit until the HAP recovery rate falls below 13.7 pounds per day. Carbon will be replaced on an as needed basis, based on OVA measurements and chemistry analysis taken from "after carbon" sample ports. The carbon vessels will be removed when the daily emission is less than 13.7 pounds of hydrocarbons per day based on the untreated air influent sample analysis, with a minimum of 30 days off-gas treatment (see Section 7.1).

5.3 Construction

The major phases of construction include: installation of the five vapor recovery wells; trenching and system piping; plumbing connections and installation of vault boxes for the vapor recovery well heads; installation of the equipment pad and fenced enclosure; piping/plumbing of all skid mounted equipment; installation of the infiltration gallery; coordinating the temporary power pole and meter installation; electrical connections for all motorized equipment; and start-up services. The proposed Trenching Layout is presented as **Figure 9**. The proposed construction activities should be completed within approximately 12 working days. Petroleum contaminated soil (based on OVA/FID field screening) encountered during construction activities (i.e. during trenching) will be disposed of at a licensed treatment facility if it is not suitable for re-use as backfill material. Record drawings will be submitted upon completion of system construction. Please note, Withlachochee River Electric Cooperative (WREC) will supply power. ATC contacted WREC in order to determine if three-phase power was available to the site. At the time of report preparation, no response has been received. Control panel specifications are provided within **Appendix I**.

6.0 ESTIMATED PROJECT LIFE

The "mixed tank" model (continuously mixed tank reactor) was used to estimate the project life for groundwater remediation with VR. The mixed tank model assumes that contaminated water is pumped from a well-mixed aquifer at the same rate that clean water is entering. The model results and assumptions used are presented in Appendix J. The model predicts dissolved benzene levels will reach Chapter 62-777, FAC Table V cleanup levels in approximately 130 days. The most elevated petroleum constituent concentration detected at the site is naphthalene, however, a project life based on naphthalene could not be estimated because the coefficients were not available. Therefore, ATC projects a minimum project life of one year for this site. Please note that this model assumes that all contaminated groundwater removed from the aquifer is replaced by "clean" water and that there is no continual source material contributing contaminants into the aquifer system. Any contaminants contained within the surficial aquifer system, especially the smear zone, that have not been identified can act as a continual source into the aquifer and thus extend cleanup times beyond the mixed tank model predictions. It must also be noted that since a pilot study was not performed, groundwater and air flow rates could vary appreciably, thus altering the project life estimate. ATC proposes that a one-year project life be used for this site.

7.0 MONITORING AND MAINTENANCE

Remediation system start-up is expected to be conducted within two weeks of completing construction activities. Monitoring and sampling will be performed by trained personnel in accordance with the procedures outlined in ATC's FDEP approved Comprehensive Quality Assurance Plan (#890174G). During remediation, groundwater levels will be measured in the monitoring wells quarterly. Operation and maintenance site visits will be conducted weekly for the first month and monthly thereafter. Proposed operation and maintenance (O&M) activities are summarized in the following subsections.

7.1 Vapor Recovery System

Air samples from the VR system will be collected as outlined in Section 5.2. Once HAP recovery levels have been reduced to acceptable discharge levels (after a minimum of 30 days of operation), notification of the removal of the air treatment will be submitted to the FDEP.

Water effluent samples from the air stripper will be collected during start-up and monthly, thereafter, for analysis of BTEX/MTBE (EPA Method 8021) and PAHs (EPA Method 8310). Total influent water samples will be collected monthly for the first quarter and quarterly thereafter for analysis of BTEX/MTBE and PAHs.

O&M will be performed in conjunction with VR system sampling. The O&M activities will include but not be limited to: checking for line leaks; adjusting flow rates for the vapor recovery wells; and running a general maintenance check. Collection of vacuum and

OVA/FID readings at select monitoring points will be performed quarterly to evaluate effectiveness of the remediation system.

7.2 Groundwater Monitoring

Quarterly sampling of select monitoring wells will be performed to monitor the progress of remediation of dissolved petroleum constituents. Monitoring wells MW-13 (upgradient), MW-6, MW-8R and MW-11 (source), MW-12 and MW-7R (downgradient) will be sampled and analyzed for BTEX/MTBE and PAHs via EPA Methods 8021 and 8310, respectively. ATC will collect groundwater samples from all on-site monitoring wells at the completion of one year of system operation for analysis of BTEX/MTBE and PAHs.

7.3 Soil Sampling

Three confirmatory soil samples will be collected in areas previously identified as having soil contamination above SCTLs or greater than 500 ppm OVA readings. Soil samples will be analyzed for BTEX/MTBE, PAHs, and TRPHs to determine if the petroleum constituent concentrations in the vadose and groundwater fluctuation zone soils are below the Chapter 62-777, FAC SCTLs.

7.4 Reporting

Quarterly status reports will be submitted to the FDEP in the form of quarterly operation & maintenance reports. The reports will summarize the remedial activities conducted during the reporting period and will include site data presented on the FDEP Remedial Action O&M Reporting tables.

8.0 ESTIMATED CONSTRUCTION COSTS

The estimated system construction costs are summarized in Table 6, and cost details are provided in Appendix K.

9.0 REMARKS

The recommendation, findings, or specifications contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

10.0 PAY FOR PERFORMANCE EVALUATION

ATC elects not to perform the proposed remedial actions on a pay for performance basis since the significant portion of the dissolved plume has migrated off-site.

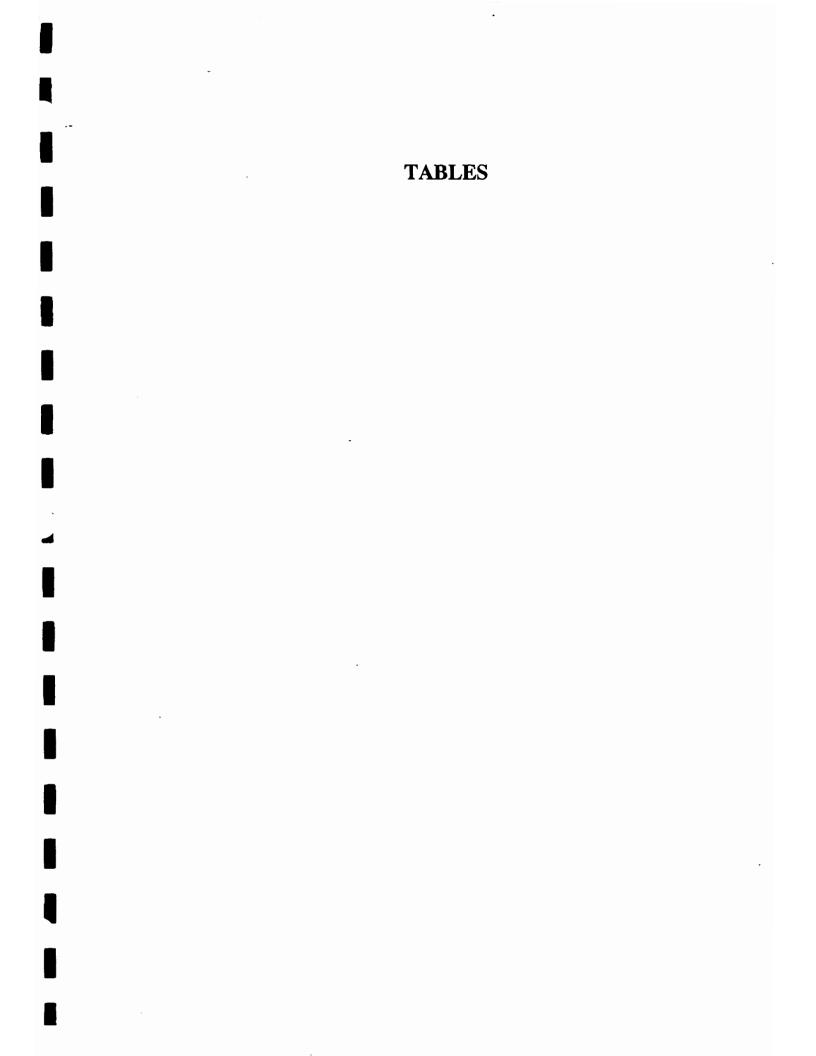


	TABLE SUMMARY OF SOIL SCI CIRCLE K TAMPA, FL ATC PROJECT NO	REENING RESUL # 2814 ORIDA	.TS	
Sample Number	Sample Depth (ft)	OV	A/FID Reading (p	pm)
		Unfiltered	Filtered	Corrected
SB-16	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
	3 - 4	1,400	ND	1,400
	4 - 5	1,030	ND	1,030
SB-9	0 - 1	8	NA	8
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
	3-4	400	100	300
SB-11	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	10	ND	10
	3-4	30	ND	30
SB-13	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	30	NA	NA
	3 - 4	700	35	665
SB-15	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	25	NA	NA
	3-4	1400	45	1355
SB-17	0 - 1	ND	NA	ND
	1-2	ND	NA	ND
	2 - 3	50	ND	50
	3-4	7000	200	6800
SB-18	0-1	ND	NA	ND
······	1-2	ND	NA	ND
	2-3	ND	NA	ND
	3-4	15	ND	15
SB-23	0 - 1	1200	25	1175
	1 - 2	1900	120	1780
	2 - 3	2000	100	1900
	3-4	2800	300	2500
SB-24	0 - 1	ND	NA	ND
	1-2	10	ND	10
	2 - 3	10	ND	10
	3 - 4	200	35	165

All results are reported in parts per million (ppm).

Sample depth reported in approximate feet below land surface.

All measurements were made using an organic vapor analyzer equipped with a flame-ionization detector (OVA/FID).

Filtered samples were passed through an activated carbon filter prior to measurement.

Corrected readings are reported as the difference between the unfiltered and filtered readings.

NA = Not analyzed.

TABLE ISUMMARY OF SOIL SCREENING RESULTSCIRCLE K #2814CRYSTAL RIVER, FLORIDAATC PROJECT NO. 16564.0405

Sample Number	Sample Depth (ft)	OV/	VFID Reading (p	pm)
		Unfiltered	Filtered	Corrected
SB-28	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
	3 - 4	ND	NA	ND
\$B-29	0-1	ND	NA	ND
	1 - 2	ND	NA	ND
	2-3	ND	NA	ND
	3-4	110	ND	110
SB-30	0-1	ND	NA	ND
	1-2	ND	NA	ND
	2 - 3	ND	NA	ND
	3 - 4	ND	NA	ND
SB-31	0-1	ND	NA	ND
	1 - 2	ND	NA	ND
	2-3	ND	NA	ND
	3 - 4	ND	NA	ND
\$B-32	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
SB-33	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
_	3 - 4	ND	NA	ND
SB-34	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
	3 - 4	ND	NA	ND
SB-35	0 - 1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
•••••	3 - 4	ND	NA	ND
SB-36	0-1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
	3 - 4	ND	NA	ND

All results are reported in parts per million (ppm).

Sample depth reported in approximate feet below land surface.

All measurements were made using an organic vapor analyzer equipped with a flame-ionization detector (OVA/FID).

Filtered samples were passed through an activated carbon filter prior to measurement.

Corrected readings are reported as the difference between the unfiltered and filtered readings.

NA = Not analyzed.

	TABLE SUMMARY OF SOIL SCF CIRCLE K TAMPA, FL ATC PROJECT NO	REENING RESUL # 2814 ORIDA	TS	
Sample Number	Sample Depth (ft)	OV	VFID Reading (p)	pm)
		Unfiltered	Filtered	Corrected
SB-37	0-1	ND	NA	ND
	1 - 2	ND	NA	ND
	2 - 3	ND	NA	ND
	3 - 4	50	30	20
SB-38	0-1	ND	NA	ND
	1 - 2	ND	NA	ND
	2-3	ND	NA	ND
	3-4	ND	NA	ND
SB-39	0 - 1	ND	NA	ND
	1-2	ND	NA	ND
	2 - 3	10	ND	10
	3-4	150	ND	150
SB-40	0 - 1	ND	NA	ND
	1-2	ND	NA	ND
	2 - 3	500	5	495
	3-4	>10,000	200	>9,800
MW-7R	0 - 2	ND	NA	ND
	2 - 4	600	140	460
	4-6	800	200	600
	6 - 8	300	100	200
	8 - 10	150	100	50
	10 - 12	80	50	30
MW-8R	0 - 2	60	ND	60
	2-4	40	40	ND
	4-6	3,000	200	2,800
	6-8	1,800	250	1,550
	8 - 10	750	200	550
	10 - 12	250	30	220
MW-15	0-2	ND	NA	ND
	2-4	ND	NA	ND
	4 - 6	ND	NA	ND
	6 - 8	5	ND	5
	8 - 10	ND	NA	ND
	10 - 12	ND	NA	ND

All results are reported in parts per million (ppm).

Sample depth reported in approximate feet below land surface,

All measurements were made using an organic vapor analyzer equipped with a flame-ionization detector (OVA/FID).

Filtered samples were passed through an activated carbon filter prior to measurement,

Corrected readings are reported as the difference between the unfiltered and filtered readings.

NA = Not analyzed.

TABLE I SUMMARY OF SOIL SCREENING RESULTS CIRCLE K #2814 CRYSTAL RIVER, FLORIDA ATC PROJECT NO. 16564.0405

Sample Number	Sample Depth (ft)	OV/	VFID Reading (p	opm)
		Unfiltered	Filtered	Corrected
MW-16	0 - 2	ND	NA	ND
	2 - 4	ND	NA	ND
	4 - 6	ND	NA	ND
	6-8	ND	NA	ND
	8 - 10	ND	NA	ND
	10 - 12	ND	NA	ND
MW-17	0 - 2	ND	NA	ND
	2-4	ND	NA	ND
	4-6	400	225	175
	6 - 8	450	275	1,550
	8 - 10	700	200	500
	10 - 12	900	150	750
MW-18	0-2	ND	NA	ND
	2-4	ND	NA	ND
	4-6	500	50	450
	6 - 8	450	30	420
	8 - 10	800	200	600
	10 - 12	550	100	450
MW-19	0-2	ND	NA	ND
	2 - 4	ND	NA	ND
	4-6	20	10	10
	6-8	70	20	50
	8 - 10	100	30	70
	10 - 12	90	40	50
MW-20*	0 - 2	ND	NA	ND
	2-4	ND	NA	ND
	4-6	10	ND	10
	6 - 8	10	ND	10
	8 - 10	20	5	15
	10-12	100	50	50
DW-1	0-2	ND	NA	ND
	2 - 4	ND	NA ·	ND
	4-6	10	ND	10
	6 - 8	10	ND	10
	8 - 10	20	5	15
	10 - 12	100	50	50

Logged from drill cuttings

All results are reported in parts per million (ppm).

Sample depth reported in approximate feet below land surface.

All measurements were made using an organic vapor analyzer equipped with a flame-ionization detector (OVA/FID).

Filtered samples were passed through an activated carbon filter prior to measurement.

Corrected readings are reported as the difference between the unfiltered and filtered readings.

NA - Not analyzed.

	TABLE SUMMARY OF SOIL SCI CIRCLE K CRYSTAL RIVEI ATC PROJECT NO	REENING RESUL #2814 R. FLORIDA	TS	
Sample Number	Sample Depth (ft)	OV/	VFID Reading (ppm)
·		Unfiltered	Filtered	Corrected
DW-1	0-2	ND	NA	ND
	2-4	1000	100	900
	4-6	200	30	170
	6-8	400	60	340
	8 - 10	200	40	160
	10 - 12	20	ND	20
	12 - 14	100	15	85
	14 - 16	80	10	70
	16 - 18	NA	NA	NA
	18 - 20	35	10	25
	20 - 22	10	ND	10
	22 - 24	NA	NA	NA
	24 - 26	NA	NA	NA
	26 - 28	NA	NA	NA
	28 - 30	NA	NA	NA
			l	
			ļ	
			L	
			<u> </u>	
			ļ	
			<u> </u>	
				_
		-		
			1	-
- A.L. J				
			1	

* Logged from drill cuttings

All results are reported in parts per million (ppm).

Sample depth reported in approximate fect below land surface.

All measurements were made using an organic vapor analyzer equipped with a flame-ionization detector (OVA/FTD).

Filtered samples were passed through an activated carbon filter prior to measurement,

Corrected readings are reported as the difference between the unfiltered and filtered readings.

NA = Not analyzed.

••

I

TABLE 2: SOIL ANALYTICAL SUMMARY

Facility Name: Circle K #2814

Facility ID#:

098518709

Not Detected = ND Not Sampled = NS Analytical Results = mg/kg

															T		
		SB-16 @ 3-'4' bis (1400 ppm OVA)	SB-23 @ 1'-2' bis (1780 ppm OVA)	SB-23 @ 0'-1' bls (1175 ppm OVA)		SB-24 @ 1'-2' bls (10 ppm OVA)	MW-18 @ 1'-2' bis (<10 ppm 0VA)										
	ТРН	106	9,330	693		<16	<16										
1 metb.	Naphthalene	0.43	33.4	0.61		<0.05	<0.05										
2meth.	Naphthalene	0.74	57.4	1.18		<0.05	<0.05										
	Naphthalene	0.44	7.6	0.29		<0.05	<0.05										
	MTBE	<0.3	<0.054	<0.006		<0.005	<0.005										
Total	Xylenes	2	0.929	0.049	•	<0.001	<0.001										
Ethyl	Benzene	0.7	2.38	0.107		<0.001	<0.001										
	Toluene	0.240	<0.108	0.002		<0.001	<0.001										
	Benzene	€0.03	<0.054	<0.001		<0.001	<0.001										
nple	Date	10/24/00	11/1/2001	11/1/2001		11/1/2001	11/7/2001										
Sample	Location	SS-I	SS-1	SS-2		SS-3	SS-4										

Feet				Τ	:	FP		1															T		Τ	٦
All Measurements = Feet No Data = Blank	MW-6	2"	13,	3'-13'	9.37	ELEV		5.36	5.33	5.82	5.18	9.01	6.32	5.43	5.11	5.99										
All Measurement No Data = Blank						DTW		4.01	4	3.55	4.19	3.36	3.05	3.94	4.26	3.38				1						
						FP																				
	8-WM	2"	13'	3'-13'	10.28	ELEV		4.97	4.77	5.76	5.16	5.74														
						DTW		5.31	5.51	4.52	5.12	4.54									-					
						FP																				
60,	MW-4	4"	10'	0.75'-10'	10.08	ELEV	5.16	5.17	4.93	5.76	5.15	5.89														
098518709						DTW	4.92	4.91	5.15	4.32	4.93	4,19														
						FP																		1		
10#:	6-WM	4	.1	1.5-11'	10.16	ELEV	5.21	5.25	4.91	5.88	5.41	5.87														
Facility ID#:						DTW	4.95	4.91	5.25	4.28	4.75	4.29														
						FР																				
	MW-2	4.	9.5'	0.5'-9.5'	10.07	ELEV	5.61	5.47	5.37	6.00	5.45	5.92														
						DTW	4.46	4.60	4.70	4.07	4.62	4.15														
						FP																				
Circle K #2814	I-WM	4	:=	1.5'-11'	10.00	ELEV	5.52	5.48	4.84	5.88	5.42	6.04														
Circle 1						DTW	4.48	4.52	5.16	4.12	4.58	3.96														
Facility Name:	Well No.	Diameter	Well Depth	Screen Interval	TOC Elevation	DATE	11/23/94	12/15/94	01/03/95	01/20/95	02/28/95	08/24/95	00/02/00	10/13/01	02/01/02	CU/L 1/60	1011100									

I

TABLE 3: GROUNDWATER ELEVATION TABLE

;

• •

Ì

TABLE 3: GROUNDWATER ELEVATION TABLE

Facility Name: Circle K #2814

Facility ID#:

098518709

															ŀ			I
Well No.		7-WM			8-WM			Q6-WM			MW-10			II-WM			MW-12	
Diameter		2"			2"			2"			2"			2"			6"	
Well Depth		12'			13'			28.5'			12'			12.5'			12'	
Screen Interval		2'-12'			3:-13'			23.5'-28.5'			2'-12'			2.5'-12.5'			2'-12'	
TOC Elevation		9.58			9.86			10.25			11.03			10.21			9.56	
DATE	DTW	ELEV	FP	WTU	ELEV	FP	DTW	ELEV	FP	DTW	ELEV	FP	WLG	ELEV	FP	DTW	ELEV	FP
12/15/94	4.37	5.21	ſ	4.95	4.91													

FP																		
ELEV		5.07	5.64	5.10	5.73	6.22	3.74	4.60	5.57									
DTW		4.49	3.92	4.46	3.83	3.34	5.82	4.96	3.99									
FP				-		_												
ELEV		5.52	6.33	5.75	6.55	7.06	5.73	5.42	6.44									
WTa		4.69	3.88	4.46	3.66	3.15	4.48	4.79	3.77						 			
FP																		
ELEV		5.76	7.15	6.23	7.27	7.88	6.46	5.90	7.10									
DTW		5.27	3.88	4.80	3.76	3.15	4.57	5.13	£6'£									
FP																		
ELEV		4.96	60.9	5.57	6.11													
DTW		5.29	4.16	4.68	4.14													
FP																		Γ
ELEV	4.91	4.57	5.66	5.08	5.70													
WTd	4.95	5.29	4.20	4.78	4.16	ſ				Ī		T	T	T			Ì	
ΕP																		Γ
ELEV	5.21	5.06	5.85	5.17	6.00													
DTW	4.37	4.52	3.73	4.41	3.58													
DATE	12/15/94	01/03/95	01/20/95	02/28/95	08/24/95	00/10/60	11/13/01	05/07/02	00/11/00									

All Measurements = Feet No Data = Blank	81-MM	2"	12'	2:-12'	10.02	FP DTW ELEV FP			4.87 5.15	╇	4.29 5.73											
	MW-17	2"	12'	2'-12'	9.61	DTW ELEV			3 Y U Y U Y		_											
	-16			2'	z	£																
098518709	91-MM	2"	12'	2'-12'	10.64	DTW ELEV			+	5.82 4.82	-	┞										
D#:	MW-15	2"	12'	2'-12'	11.17	ELEV FP			01.3	4.87	5.70									-	 	
Facility ID#:						FP DTW			02.9	5.75	5.47											
	MW-14	2"	12'	2'-12'	9.61	ELEV F		5.04	0.25	C1.C	5.71											
						FP DTW		1.9.5	3.36	4.48 5.08	3.90											
Circle K #2814	MW-13	2"	12'	2'-12'	9.72	ELEV	\vdash	-	\downarrow	25.5	+	╇										
Circle						DTW	4.53	3.24	3.00	4.40 4.20	59.5											
Facility Name:	Well No.	Diameter	Well Depth	Screen Interval	TOC Elevation	DATE	02/28/95	08/24/95	00/10/00	10/51/11	201/21/60											

TABLE 2: GROUNDWATER TABLE ELEVATION TABLE

DWATER EL

Page 3 of 4

. Feet						E																
All Measurcments = Feet No Data = Blank						ELEV																
All Measurement No Data = Blank						DTW				-												
						FP																
	DW-1	2"	30'	25'-30'	9.57	ELEV		4.50	5.49						,							
						DTW		5.07	4.08													
						ΡP																
709	MW-8R	2"	12'	2'-12'	10.09	ELEV	5.40	5.06	6.08													
098518709						WTU	4.69	5.03	4.01													
						FΡ																
y ID#:	MW-7R	2"	12'	2:-12'	9.97	ELEV	4.94	4.77	5.95			•										
Facility ID#:						DTW	5.03	5.20	4.02													
						ξP																
	MW-20	2"	12'	2'-12'	9.86	ELEV	4.85	4.44	5.55													
						MTd	5.01	5.42	4.31													
-						FP																
Circle K #2814	01-WM	2"	12'	2'-12'	10.38	ELEV	4.77	4.55	5.51													
Circle						DTW	5.61	5.83	4.87													
Facility Name:	Well No.	Diameter	Well Depth	Screen Interval	TOC Elevation	DATE	10/21/11	05/07/02	06/17/02													

Î

••

TABLE 3: GROUNDWATER ELEVATION TABLE

	-ND	- NS	sults = ppb	(mqq = HqJ	Dis.	Lead	NS		SZ :	SN	S S	2 S	SN	NS	NS	SN	NS	SN	SN	SS	SN	SN	SN	NS	NS	SS	SS	SS	SN	SN	SS	SS	SN	SN	S
	Not Detected = ND	Not Sampled = NS	Analytical Results = ppb	(except for TRPH = ppm)	Total	Lend	3.73	SN	4.30	€7.5	SS	6.15	NS	3.73	35.90	NS	NS	NS	12	59.40	NS	<10	NS	11.90	NS	<10	SN	NS	11.90	NS	<3.73	SN	NS	NS	<10
						TRPH	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.6	NS	NS	NS	NS	NS	NS	NS	NS	2.5	NS	NS	NS	NS	NS	NS	NS	NS
RY					1 meth.	Naph.	NS	NS	NS	NS	⊽	SN	NS	SN	SN	NS	79	NS	74	NS	NS	Þ	V	NS	NS	51	NS	36	11.90	N	NS	NS	NS	⊽	SN
UMMA					2meth.	Naph.	NS	NS	NS	NS	4	NS	NS	NS	NS	NS	133	NS	135	NS	NS	Þ	1	. SN	NS	6	SN	37	NS	NS	NS	NS	NS	.⊳	NS
4: GROUNDWATER ANALYTICAL SUMMARY		098518709				Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	494	NS	434	NS	NS	₽	۲	NS	NS	12	NS	31	NS	NS	NS	NS	NS	~	N
ANAL		#:				MTBE	<0.51	\$	<0.51	<0.51	9.00	<0.5I	\$	<0.51	104.80	68.00	20	NS	6	<0.51	<0.5	Ş	₽	<0.51	25	Ş	NS	Ş	1.43	6.00	<0.51	Ş	\$۶	NS	₽
WATEF		Facility ID#:	•		Total	VOA	<2.9	<2.4	<2.9	<2.9	3.30	<2.9	<2.4	<2.9	448.80	330.00	318	NS	156.6	6.5	35.60	<3.5	<3.5	90.66	103.00	<3.5	SN	3.5	0.67	<2.4	2 .9	<2.4	3.5	NS	3.5
OUND					Total	Xylenes	<1.35	<1.2	<1.35	<1.35	1.80	<1.35	<1.2	<1.35	22,60	17.00	12	NS	S	<1.35	25.50	⊽	⊽	<1.35	00.6		NS	⊽	<1.35	<1.2	<1.35	<1.2	⊽	NS	[>
					Ethyl	Benzene	<0.39	<0.4	<0.39	<0.39	1.50	<0.39	<0.4	<0.39	185.70	187.00	150	SN	103	<0.39	8.00	⊽	⊽	75.50	67.00	~	NS	►	0.67	<0.4	<0.39	<0.4	⊽	NS	.⊳
TABLE		2814				Toluene	4 .0≻	<0.4	<0.4	<0.4	<0.4	4.0>	4.0	<0.4	28.90	14.00	5	NS	⊽	<0.4	2.10	⊽	⊽	4.0>	3.00	⊽	NS	⊽	4.0≻	4.0>	4.0	4.0≻	~	NS	⊽
		Circle K #2814				Benzene	<0.76	<0.4	<0.76	<0.76	<0.4	<0.76	<0.4	<0.76	211.60	112.00	143	SX	48.6	<0.76	<0.4	\$ \$	<05 205	23.50	24.00	₹0.5	NS	<u>8</u> 05	<0.76	<0.4	<0.76	<0.4	<0.5	NS	<0.5
		ime:			Comule	Date	12/15/1994	08/24/95	12/15/1994	12/15/1994	08/24/95	12/15/94	8/24/1995	12/15/94	12/15/94	08/24/95	00/20/60	05/07/02	09/17/02	12/15/94	08/24/95	1002/21/11	6/17/2002	12/15/94	08/24/95	11/13/01	05/07/02	09/18/02	01/03/95	08/24/95	01/03/95	08/24/95	00/100	05/07/02	09/17/02
		Facility Name:	t activity in		ő	Location	I-WM		MW-2	MW-3		MW-4		MW-5	MW-6					MW-7		MW-7B		MW-8		MW-RR			UP-WW		MW-10				

E

I

Í

. .

I

TABLE 4: GROUNDWATER ANALYTICAL SUMMARY

Facility Name:

Circle K #2814

Facility ID#: 098518709

Not Detected = ND Not Sampled = NA Analytical Results = ppb

												(except TRPH = ppm)	(mdd =)
N.	Sample			Ethyl	Total	Total			2meth.	1 meth.		Total	Dis.
Location	Date	Benzene	Toluene	Benzene	Xylenes	VOA	MTBE	Naphthalene	Naph.	Naph.	TRPH	Lead	Lend
11-WM	1/3/1995	11.41	17.04	103.20	13.28	144.93	<0.51	NS	SN	NS	NS	81.00	NS
	8/24/1995	8,00	5.00	00'66	11.00	123.00	<12.5	NS	NS	NS	NS	. NS	NS
	9/1/2000	8.9	2	49	⊽	59.9	≎	229	65	28	NS	NS	<10
	5/1/2002	NS	SS	SN	NS	NS	NS	NS	NS	NS	0.8	NS	NS
	9/17/2002	6.3	9	~	9	15.3	Ş	234	1>	~	NS	0I>	SN
MW-12	1/3/1995	9.94	5.69	6.44	10.97	33.04	135.10	SN	NS	NS	NS	72.40	SN
	8/24/1995	23.00	3.00	12.00	00.6	47.00	52.00	SN	NS	NS	NS	NS	NS
	9/1/2000	7	-	S	6	22	6	NS	NS	NS	NS	NS	<10.
	5/1/2002	SN	SN	NS	NS	NS	NS	3	18	6	<0.4	NS	SN
	9/17/02	2.5	⊽	⊽	6	8.5	6	NS	NS	NS	NS	<10	NS
MW-13	2/28/1995	1.47	3.48	7.68	0.73	13.36	<0.51	NS	NS	NS	NS	143.00	NS
	8/24/1995	⊽	1.00	15.00	5.00	21.00	<12.5	NS	NS	NS	NS	SN	NS
	9/7/2000	<0.5	⊽	⊽		<3.5	Ş	NS	NS	NS	NS	NS	<10
	5/7/2002	NS	NS	NS	NS	NS	NS	2	19	7	NS	NS	SN
	9/18/2002	<0.5	⊽		~	3.5	Ş	NS	NS	NS	NS	<10	NS
MW-14	8/24/1995	0.70	0.80	7.30	2.70	11.50	5.00	NS	NS	NS	NS	NS	SN
	9/1/2000	<0.5		⊽	7	<3.5	Ş	NS	NS	NS	NS	NS	NS
	5/1/2002	SN	NS	NS	NS	NS	SN	<1		₽	NS	NS	NS
	9/17/2002	<0.5	₽	I>	1>	<3.5	<\$	NS	SN	SN	NS	<10	NS
MW-15	11/13/2001	<0.5	⊽		7	<3.5	Ş	1>	¥	v	NS	<10	NS
	9/18/2002	<0.5	⊽	V	Þ	<3.5	\$\$	⊽	⊽	⊽	NS	NS	NS
MW-16	11/13/2001	<0.5	7	V	<1	<3.5	\$	۶	⊽	⊽	NS	SN	SN
	9/18/2002	<0.5	Þ	⊽	1>	<3.5	₽	⊽	v	⊽	NS	<10	SN
MW-17	11/13/2001	<0.5	►	1>	<ا	<3.5	\$	~	⊽	⊽	NS	<10	NS
	9/17/2002	<0.5	7	⊽	1	<3.5	\$	l>	.^	⊽	NS	NS	NS
MW-18	11/13/2001	<0.5	⊽		۲	<3.5	<5	₽	⊽	⊽	NS	NS	NS
	9/17/2002	NS	NS	NS	NS	NS	NS	⊽	⊽	⊽	NS	<10	NS
MW-19	11/13/2001	<0.5	7	₽	1>	<3.5	Ş	►	v	⊽	NS	¢10	NS
	9/17/2002	. <0.5	7	₽	1>	3.5	Ş	⊽	~	⊽	NS	NS	SN
MW-20	1007/£1/11	<0.5	1>	4	1>	<3.5	Ş		~	Ţ.	NS	SN	NS
	9/17/2002	<0.5	⊽		⊽	3.5	Ş	~	₹	⊽	NS	01>	NS

TABLE 4: GROUNDWATER ANALYTICAL SUMMARY

Facility Name:

Circle K #2814

098518709

Facility ID#:

Not Detected = ND Not Sampled = NA Analytical Results = ppb (except TRPH = ppm)

									Juneth	Imeth		Tatal	Disc
2	Imple			Etbyl									
Location	Date	Benzene	Toluene	Benzehe	Xylenes	VOV	MTBE	Naphthalene	Naph.	Naph.	TRPH	Lead	Lead
1-200	9/17/2002	SN	NS	NS	SN	SN	NS	NS	NS	NS	SN	11	22

Table 5 Equipment Summary Circle K #2814 ATC Project No. 05.16564.0405

Manufacturer Model Minimum Required Flow Minimum Required Vacuum Motor HP Voltatge / Phase XP / TEFC

Anscillary Equipment Vacuum Indicator Temperature Indicator In-Line Particle Filter Moisture Separator Transfer Pump Transfer Pump Motor HP XP / TEFC Air Flow Indicator Totalizer Portable Flow Indicator Hose Sets

Manufacturer Model Minimum Required Flow Motor HP Voltatge / Phase XP / TEFC Transfer Pump Transfer Pump Motor HP XP / TEFC Anscillary Equipment

Equipment Carbon Load (Per Vessel) Intet / Outlet Size & Type Total Number Vacuum Recovery System Roots 412 RAM-VJ 250 scfm 15.0 " Hg vacuum 25 230 V / 3 Ph XP

Specifications 0 - 30 " Hg vacuum gauge 0 - 250 deg F temperature gauge 4" Rotron MS350B or Larger Myers QP-10 1.0 (do not use fractional HP motors - no cost savings) TEFC Rotron 550606, 70 - 350 scfm, 3" 1.5" Mastermeter Dvyer VFC-EC-122. 5 - 50 scfm Spiralite 160, 2"

Air Stripper

Nepcco Turbotray 242 15 gpm 3 HP 230 V / 3 Ph TEFC (Class I, Div II) Myers QP-10 1.0 (do not use fractional HP motors - no cost savings) TEFC Multilevel float switches, blower inlet silencer, blower pressure gauge, blower pressure switch, manual drain valve, check valve, brass gate valve, brass sample ports.

Vapor Treatment Vapor Phase Carbon 2,000 lbs

4" Male Camlock

System Enclosure

Enclosed trailer, minimum 7.000 lb gross vehicle weight, dual axles, electric brakes, double rear door, 36" side door

Maintenance & Miscellaneous

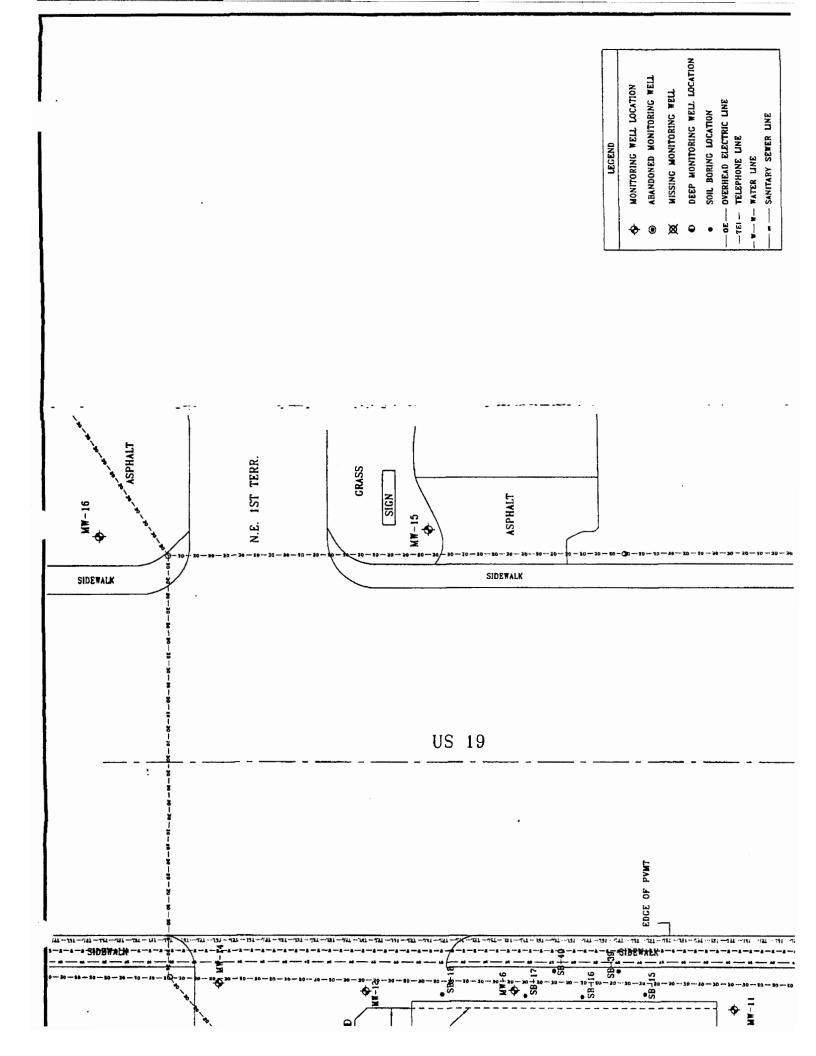
1-Year supply of oil, belts, filter elements, filter bags, to be included for all items. Must include shipping & disposal of used items & oil.

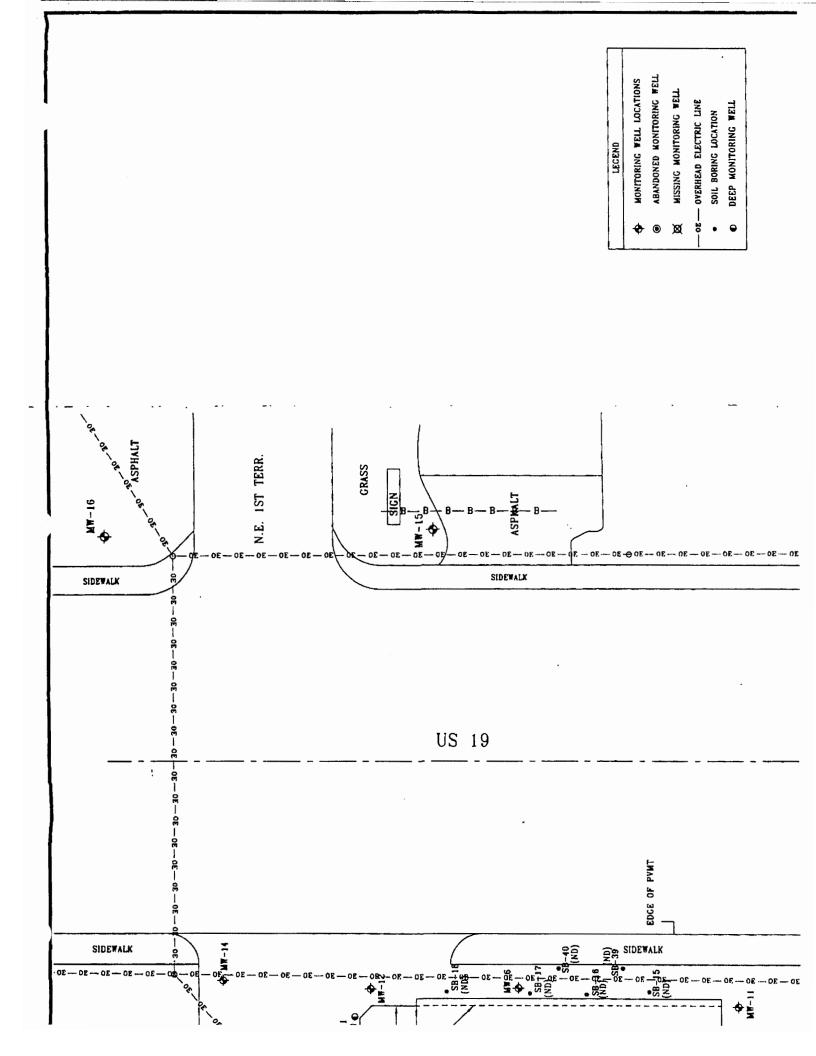
(2) copies of system manual must be provided

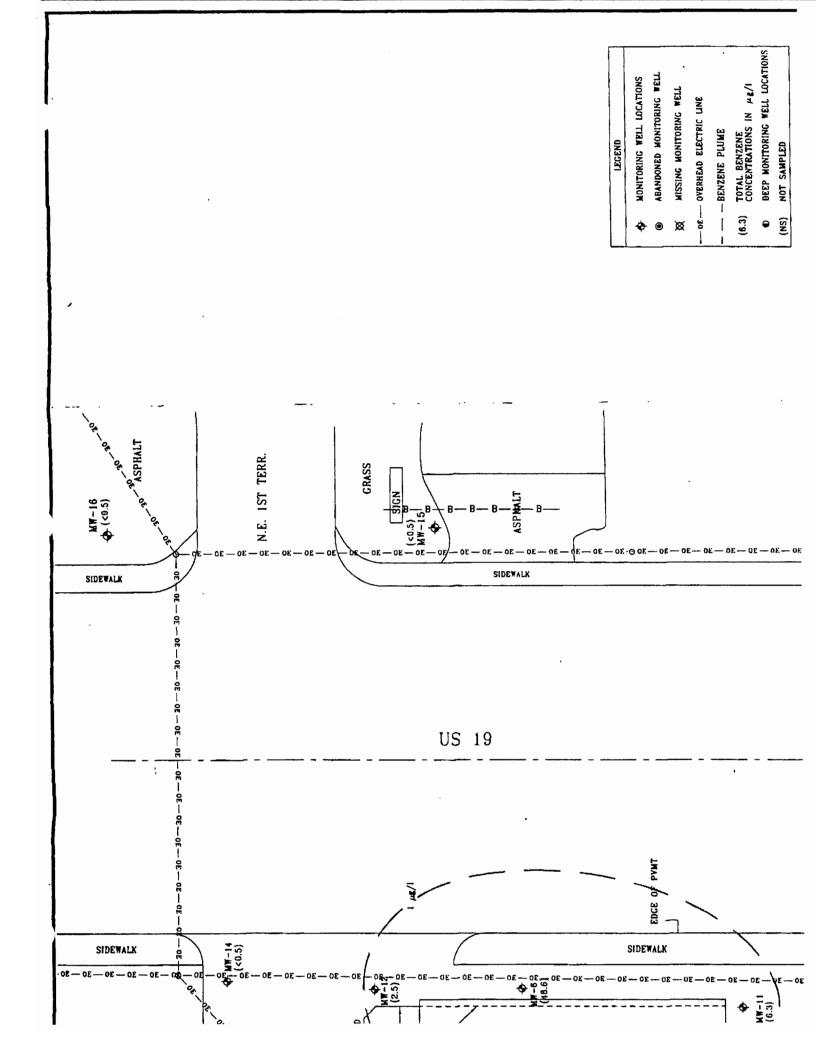
Table 6 Estimated System Construction Costs Circle K #2814 Tampa, Florida ATC Project No. 05.16564.0405

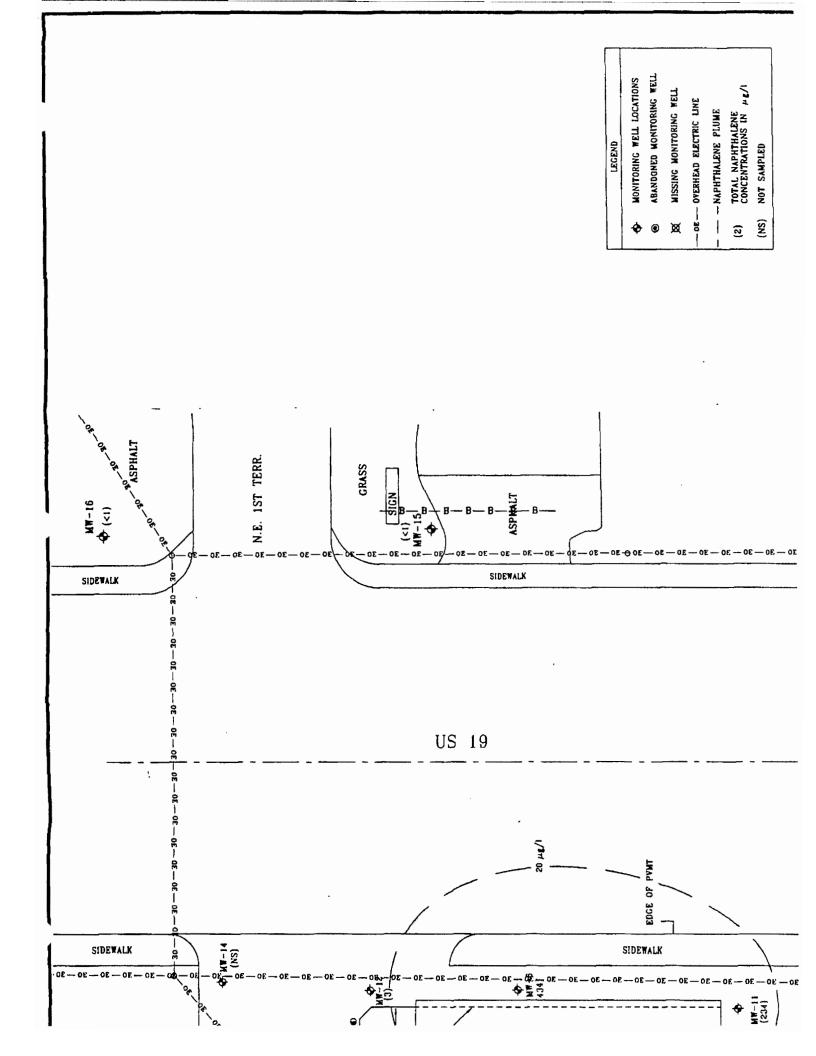
Item	Est	imated Cost
Equipment		
Vacuum Pump and Appurtances	\$	29,250.00
Vacuum Header Assemblies / Hose Connections	\$	5,000.00
Air Stripper	\$	19,500.00
Vapor Phase Carbon Cost	\$	10,000.00
Main Control Panel	\$	7,500.00
Trailer Enclosure	\$	8,500.00
Subcontractors		
Vacuum Well Installation	\$	4,000.00
Electrical	\$	5,000.00
System Construction	\$	30,800.00
ATC Services		
Engineering Services	\$	2,078.00
Well Installation Oversight	\$	4,157.00
System Construction Oversight	\$	12,613.00
System Startup & Reporting	\$	3,687.00
Total	\$	142,085.00

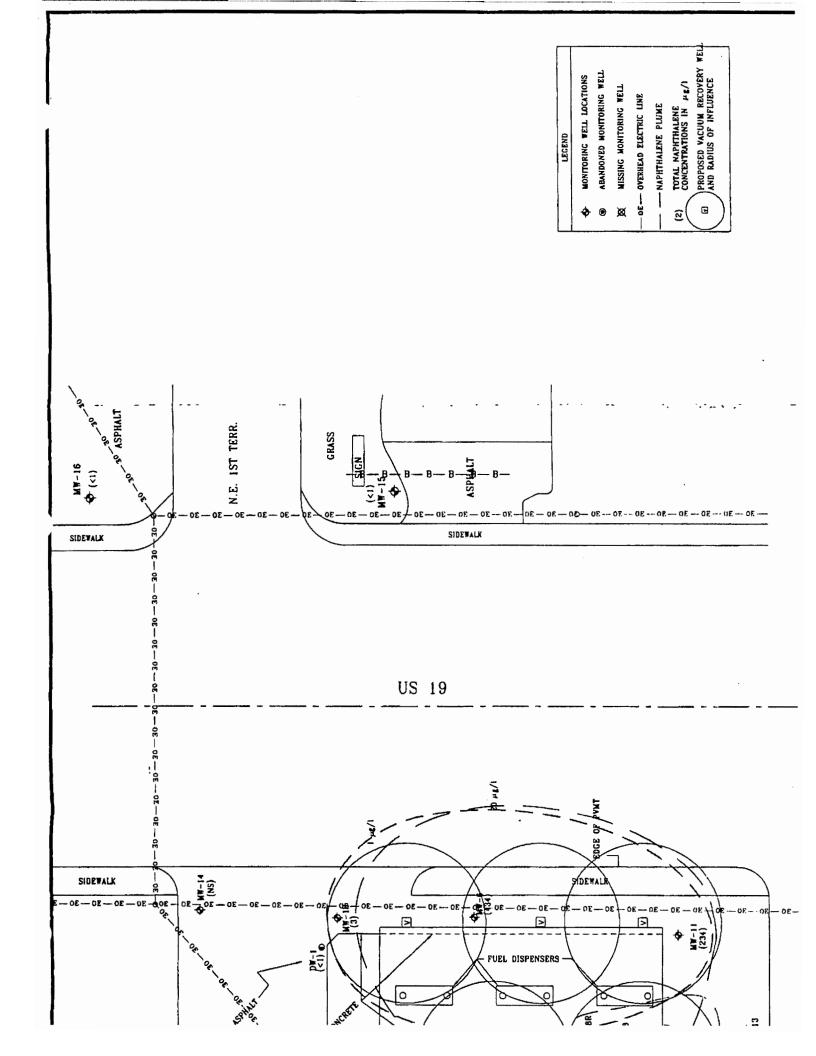
FIGURES

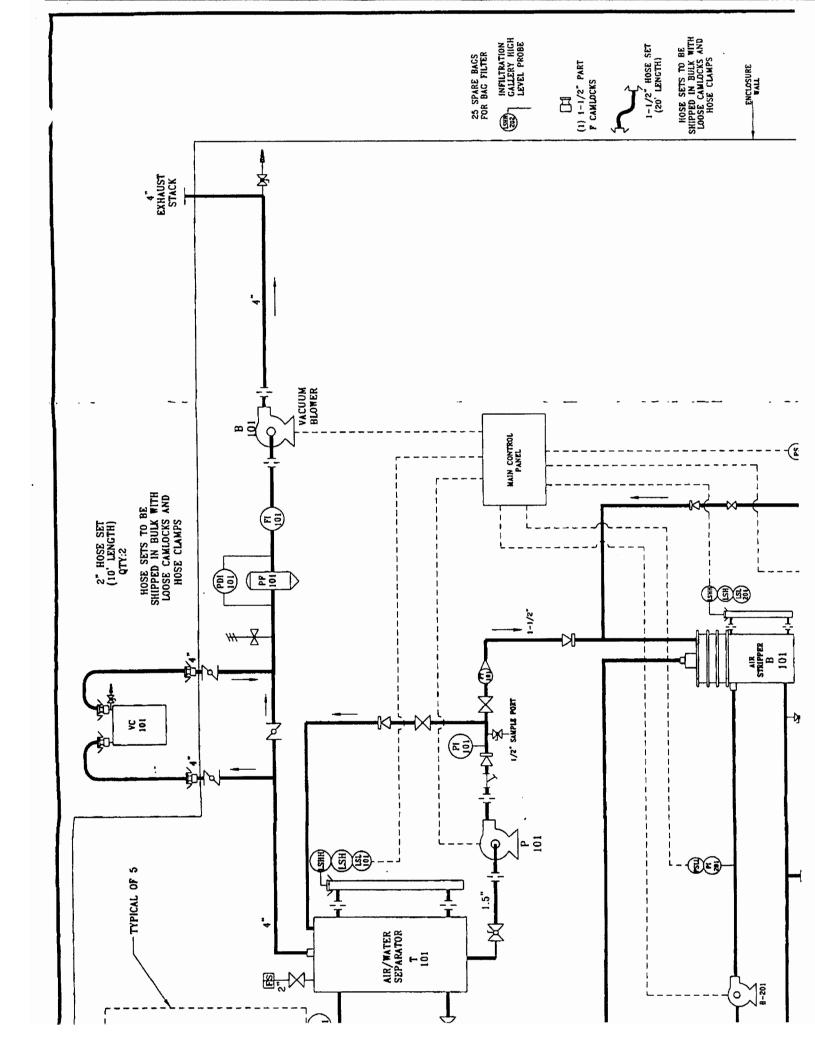


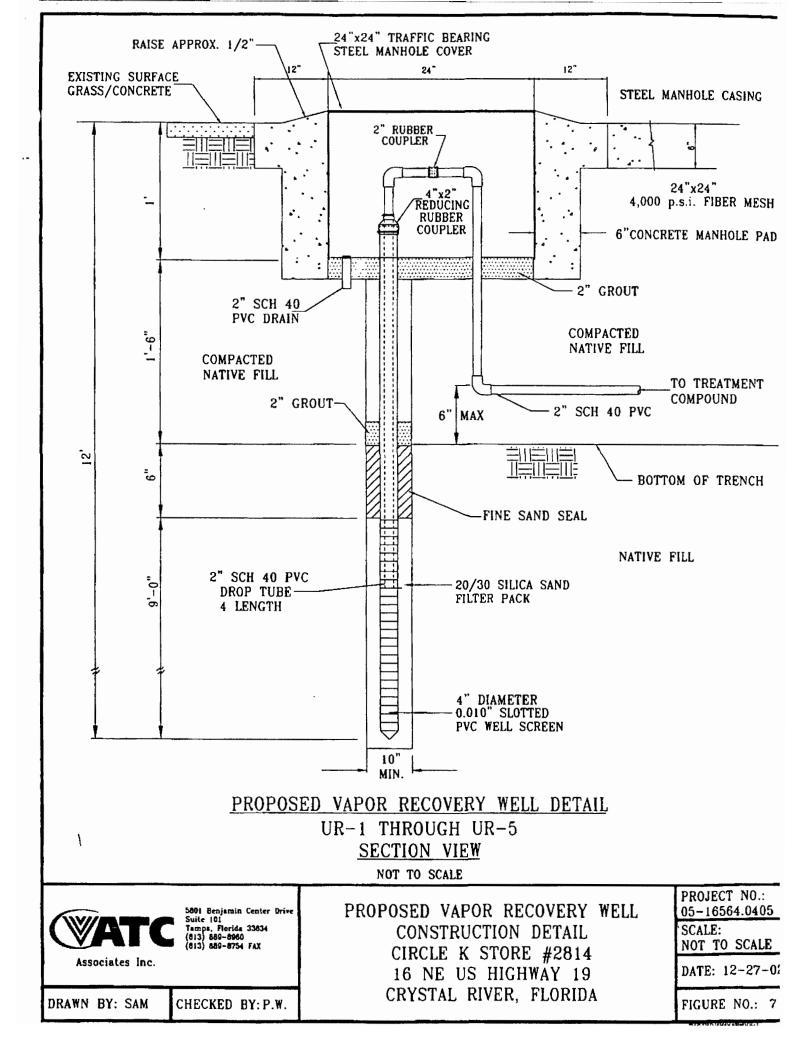


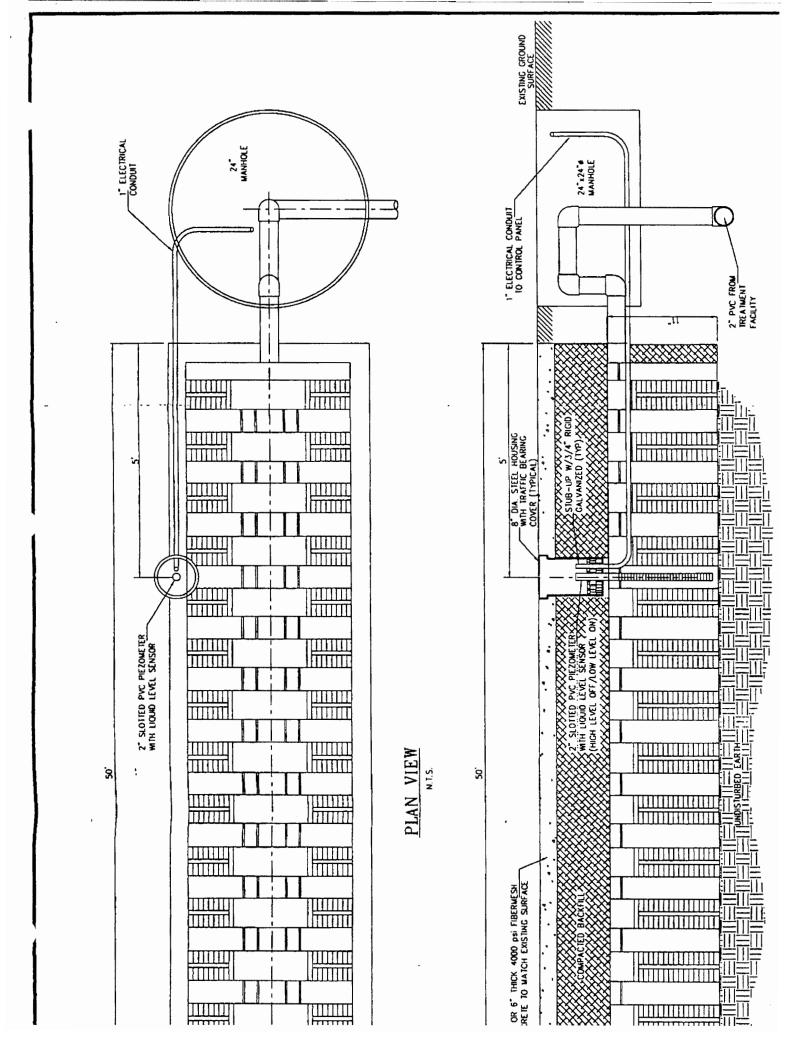


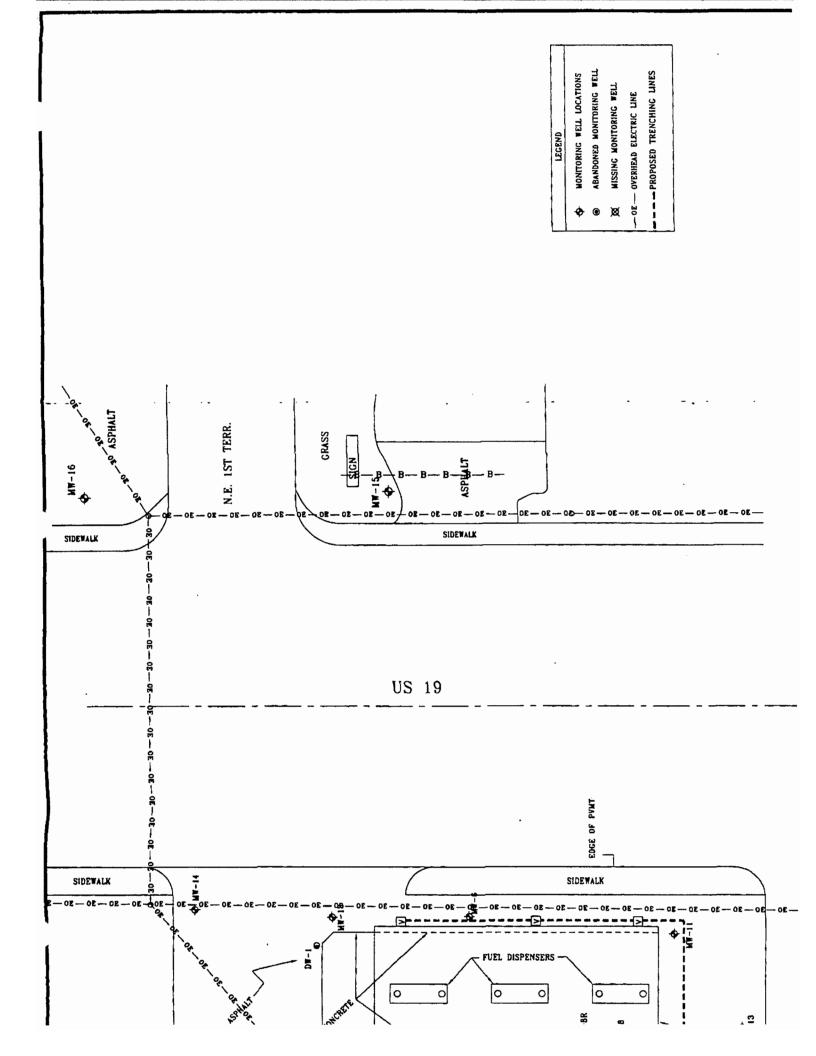












Site No. 70 Touch of Quality Cleaners 471 Kings Bay Plaza (NE First Terrace) Crystal River, Florida FDEP I.D. Nos. 099502006 and 098944869 EPA I.D. No. FLD982118788



CITRUS COUNTY FIRE PREVENTION BUREAU

1300 S. LECANTO HWY, LECANTO, FLORIDA 32661

"am M. (Mike) Connell

~flcer:

jf

₫.

(904) 746-1335

Date: September 28, 1990

Name: Mr. Russ Powell Company: Touch of Quality Cleaners Street: 471 Kings Bay Plaza State: Crystal River, Florida 32629

è

DER FAC # 098944869 Establishment Touch of Quality Address: 471 Kings Bay Plaza Crystal River, Florida 32629

Dear: Mr. Powell,

Attached are the 17-61 Florida Administrative Code compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-61, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank systems.

If you have any questions concerning this letter please call us at (904) 746-1335.

Sincerely, Richard T. Sosna Tank Inspector

Construction of the second sec	OF FLORED	Pollu	partment of tant Sto	orage 7	ntal Regulation Tank System ort Forn	stem		
F. / ID N	lo.: 698	944 869				Coun	ty: CITRU	1
Facility Nam Facility Loca	$\frac{7000}{217}$	I HOF W.UH	Twing CI	EANERS E MYST	MRIVER	FL.30(2-91	
Operator: Owner:		KINGS B	BY PLA	21		Phon	е: <u>755-78</u> е:	
1		''',J Longitud	le <u>82 ° 35</u>	' <u>/o ''</u> W Sec	tion	Township Range		
Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status
1	1000	17	X×/81	U	C	C		U
	Comments: TANK HOLDS BOILSN GENARATON DIESEL							
R	ws Pou	16,11				······		
Inspection Type: Facility Information: Complaint Response Reinspection Initial Installation EDI Tank Removal Public Well Field Unregistered DER District: Local Program:						R.)		
\Box	Ribert	T - Sisme & T's Signature &	<u>9/5-7/90</u> Date		Berne Facility	41 1	Mr. Pr. M.	5N975N
Violations m	nust be correct 3 (04-01-88)	ed by: next	routine inspe	ction	or by:	<u>9</u> / <u>2</u> 7 mo day	yr	

Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 8944869 Name: Touch Of Quality Cleaners 471 Ne 1st Ter Crystal River, FL 32629- 4250 Contact: Powell Russ Phone: 904-795-7871 District: SWD County: Citrus Type: C-Fuel User/Non-Retail Status: Open Latitude: 28:53:49.0000 Longitude: 82:35:10.0000 LL Method: UNVR-Unverified

Account Owner: Powell, Russ

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitc
1	1000 Fu	el Oil-Onsite Heat	07/01/1981	UNDER	In Service	С	С	I

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site). Florida Department of Environmental Protection Bureau of Petroleum Storage Systems Storage Tank Facility Query

Facility ID#: 9502006 Name: Touch Of Quality Cleaners (Moved) 471 Kings Bay Plaza Crystal River, FL 34429- 4717 Contact: Russell Powell Phone: 352-795-7871

District: SWD County: Citrus Type: 6-Dryclean-Related Otł Status: Closed Latitude: 28:53:30.9730 Longitude: 82:35:11.7960 LL Method: ADDM-Address Matchir

Account Owner: Touch Of Quality Cleaners

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monito
1		Tetrachloroethylene		ABOVE	Removed			

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site). Storage Tank Facility Query

Facility ID#: 9502003District: SWDName: Touch Of Quality Cleaners
3956 Suncoast BlvdCounty: Citrus
3956 Suncoast BlvdHomosassa, FL 34448- 2601Type: 3-Dry Drop-Off
Status: ClosedContact: Russell PowellLatitude: 28:47:23.3520Phone: 352-796-7965Longitude: 82:34:02.9064
LL Method: ADDM-Address Matching

Account Owner: Touch Of Quality Cleaners

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monito	
1		Tetrachloroethylene		ABOVE	Removed				

***Note:

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site). Site No. 75 Former Fox Automotive Service (Fina - Franks) Suncoast Boulevard and SR 44 Crystal River, Florida FDEP I.D. No. 098503061



Department of Environmental Protection

ל Bush overnor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

May 24, 1999

Kathy George Bria Family Trust 4917 Booth Rd Plant City, FL 33565

Re: Fina-Frank's FDEP Facility #098503061 Discharge Date: December 1, 1988

Dear Kathy George:

The Florida Department of Environmental Protection is required to direct the cleanup of petroleum contamination sites in priority order and to preapprove the scope and cost of all work that is funded by the State. The priority order for cleanup is determined pursuant to the Petroleum Cleanup Site Priority Ranking Rule, Chapter 62-771, Florida Administrative Code.

This site has been assigned a priority score of 55. Currently funding is available for all sites with a priority score of 50 or greater. Therefore, funding is available for work on this site under the Preapproval Program. In the Preapproval Program the Department works directly with the contractor of your choice to determine the scope and cost for cleanup work. Payment is made by the Department promptly upon completion of the work. You should indicate your choice of contractor by completing and returning the enclosed "Contractor Designation/Point of Contact Designation". If you would prefer the state to manage the cleanup of your site, complete the enclosed CDF and designate the state as the contractor. Please note that this form is designed to be completed by the "Real Property Owner". If you would prefer that we coordinate our efforts with your representative, then please indicate this person on the "Real Property Owner Designated Contact" line. If you have previously submitted a Contractor Designation form, you do not have to return the enclosed one.

The real property owner's signature must be notarized and the original form returned to Rebecca Marx, Mail Station 4545 at the letterhead address. She may be reached at (850) 921-9050.

If you have any questions or comments on your site's score or rank, please contact me at (850) 487-3299 or Mail Station 4545 at the letterhead address.

Sincerely,

Grace Rivera Environmental Specialist III

GR

Enclosure: Contractor Designation/Point of Contact Designation blank form cc: Southwest District File

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

OF ENVISORMENTAL RECO	
and State of Floren	

State of Florida Department of Environmental Regulation

۰.

Pollutant Storage Tank System Inspection Report Form

Facility ID No.: 098503061 County: CITIEUS Facility Name: FINA - FRANKS								15
Facility Nam	e:	A COLLY	CRUCT	1. DIVER A	7, 35(30			
Facility Name:								
Operator: Phone: Phone:								
			- F2 ° 50	17 1/ 500	tion		Range	1
Latitude 20	33 23	_ ~ · Longitua	era <u>-oc</u>	<u>//</u> //, Sec	uon	iownship	Range	
Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank
	4000	×1 168	B	U	CONSTRUCTION	<u> </u>	L	Status B
	4000	Xx/68	- 13 I?	Ū	C	<u> </u>	7	R
	4000	Xx/68	R	U	C	<u> </u>	I	
4	4000	X:168	3	· v	c	C	Ĩ	R
5	550	Xx170	K	i,	Ċ	Ċ	Ī	ß
6	550	Vx/70	4	J	<u>د</u>	c	I	13
Comments:		1 1 Stand and	Det an Ult		asa li	· · · ·	AVEJ WE	
	TANKS	Willie 1	OCTOVE,		767	12 041	1112 W2	*CE
	TIFA	TRAU						
-5 /	-//-/-p							
1								
					•			
							-	
							····	
							•	
							·	
L								
Inspection	Type			Faci	lity Information:			
, ,	laint Response	🗆 Reinsp	nection		Abandoned	Γ] Non-retail	
					Aboveground		Retail	
			Removal	1	GovtFederal	-	Retrofit (M. or	0.)
	Well Field		istered		GovtOther		Retrofit (L. or I	,
DER District					Program:			
Ja	STHURS	^ <i>Т.</i>			CITRUS C	OUNTY FI	ne PREVER	VIION
				· ·				
	Inspector	's Signature &	Date		Facility	y Contact's S	ignature & Date	
				[]				
Violations m	lust be correcte	ed by: next	routine inspe	ction	or by:	/ mo day	_ / yr	

Facility # 04850300 (
Date 9/20/40

Department of Environmental Regulation Inspection Form — UST Compliance Section

	REG	ISTRATION/NOTIFICATION:	Yes No Unk N/A
	. 8	Facility has properly registered all applicable tanks on site? 17-61.050(1)(a).	1
2	2. (Current Registration placard is properly displayed? 376.303(1)(b), F.S.	2
3	B. 1	Proper notification has been made for the following: 17-61.050(1)(b)	3
		4. abandonment	4
	:	5. facility sale	5
		6. retrofitting	6
		7. tank test failure	7
		8. discharges	8
		9. monitoring response	9
	74.1	IK STATUS:	
		Tank Designated Out of Service: 17-61.050(3)(b)1.:	10
		11. inventory + monitoring records kept or	
		12. secured against tampering	
		Tanks properly abandoned? 17-61.050(3)(c)	13
	13.		14
		14. in place or	15
		15. removed	
111.	OP	ERATION AND MAINTENANCE:	
	16.	The schedule for retrofitting has been met? 17-61.060(2)(c) & (3)(b)2.	16
		17. overfill protection	17
		18. piping and/or	18
		19. tanks	19
	20.	Structure-to-soil potential test schedules for sacrificial anode protected systems are being met?	20
		21. tanks 17-61.060(2)(d)1.a.	21
		22. piping 17-61.060(3)(b)1.b.	22
	23.	Impressed current protected systems are continuously energized and metered?	23
		24. tanks 17-61.060(2)(d)1.b.	24
		25. piping 17-61.060(3)(b)1.c.	25
iV.	IN	VENTORY REQUIREMENTS:	•
		Daily inventory records maintained? 17-61.050(4)(c)2.a.	26
		27. water	27
		28. product	28
		29. meter readings	29
	30	. Inventory reconciliation is performed? 17-61.050(4)(c)2.b.	30
	50	31. each 5 consecutive readings	31
		32. once a week	32
		•	┉┠╾┿╍╍┿╍╍┿╍
	24	33. alternate procedure	33
	4ك	. Significant loss/gain investigation 17-61.050(4)(c)3.	34
		35. performed	35
		36. found source of discrepancy, and/or	36
		37. followed up with precision testing? 17-61.050(4)(c)	37



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

桶用 车顶放

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Martin T. Hogan Shamrock Ventures, Inc. 2401 Fountainview Suite 801 Houston, Texas 77057

> Subject: Site Rehabilitation Completion Order Franks Fina 310 Northeast US Highway 19 Crystal River, Citrus County FDEP Facility ID# 098503061 Discharge Date: December 1, 1988 (EDI)

Dear Mr. Hogan:

The Bureau of Petroleum Storage Systems has reviewed the Site Rehabilitation Completion Report (SRCR) dated and received February 1, 2002, and the Monitoring Well Abandonment Report dated February 26, 2002 (received February 28, 2002), prepared by ATC Associates, Inc., for this site. Documentation submitted with the SRCR confirms that criteria set forth in Rule 62-770.680(1), Florida Administrative Code (F.A.C.), have been met. The SRCR is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge listed above, except as set forth below.

In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Department of Environmental Protection (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the SRCR or otherwise allowed by Chapter 62-770, F.A.C. Mr. Martin T. Hogan Page two

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about the Site Rehabilitation Completion Report you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following:

- (1) File a petition for administrative hearing with the Department's Office of General Counsel within 21 days of receipt of this Order; or
- (2) File a request for an extension of time to file a petition for hearing with the Department's Office of General Counsel within 21 days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Shamrock Ventures, Inc., shall mail a copy of the request to Shamrock Ventures, Inc. at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000,

ŷ

2

Mr. Martin T. Hogan Page three

1

· · ·

within 21 days of receipt of this Order. Petitioner, if different from Shamrock Ventures, Inc., shall mail a copy of the request to Shamrock Ventures, Inc. at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below). Mr. Martin T. Hogan Page four

The FDEP Facility Number for this site is 098503061. Please use this identification on all future correspondence with the Department.

Ouestions

Any questions regarding the Department's review of your Site Rehabilitation Completion Report should be directed to Laura J. Mooney at (850) 921-0846. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 488-9314. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely, Bureau of Petroleum Storage Sy stems

MEA/ljm

 cc: Laurel Culbreth, FDEP Southwest District Office
 Mr. Kevin Stites, ATC Associates, Inc., 5801 Benjamin Center Drive, Suite 101, Tampa, Florida 33634
 File

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

P.G. CERTIFICATION

Site Rehabilitation Completion Report for Franks Fina, 310 Northeast US Highway 19, Crystal River, Citrus County, FDEP Facility ID# 098503061.

I hereby certify that in my professional judgment, the components of this Site Rehabilitation Completion Report satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

I personally completed this review.

This review was conducted by Laura J. Mooney working under my direct supervision.

Diane Pickett, P.G. Professional Geologist Petroleum Cleanup Section 3

2/28/02

Х

Date

Site No. 76 Chevron (Sunmart #22) 639 NE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503047

	ce Bldg. • 26	00 Blair	f Environmental Stection Stone Road • Tallahassee, Florida 32399-2400	•	C
FLORIDA Twin Towers Office			Waste Management bleum Storage Systems		
FLORIDA					ŗ
Storage	Tank Fac	cility (Compliance Inspection Report		
Facility ID 8503047	County	09	CITRUS Inspection Date	10/6/00	
Facility Name CHEVRON			Facility Type	-RETAIL	-
Latitude 28° 53,59'	Longitude	82	35'17" L/L Method	GPS	
Check box to identify type of inspection performed. Provide Lat/Long Determination Method. ("Map", " Provide the count of USTs and/or ASTs reviewed du	'AGPS" (Ma	gellan), [°]		# ATSs Inspected	
Compliance Inspection (Annual)	TCI	\mathbf{X}	Installation Inspection	TIN	
Compliance Inspection (DRF received)	TCDI		Closure Inspection	TXI	
Compliance Inspection (Complaint received) Discharge Evaluation ("short form")	TCPI TDI		Compliance Re-Inspection ** Record the results of the TDI in a Discharge	TCR	
		E-t Co	le for ease of electronic data recording of inspection results.	170ject	d
Rule Cite Description / In				Code	
D IN ANI	N		· •]
Comments - X Release		,	ction		
10 SIR	<u>Re</u>	par	the By teledata	•	
124/20	<u>4048</u>	ř. /	199 40 8/2000		
3/95	no re	par	ts closed.		
2/99-	Tank	1d	2 INC. Reopenin	<i>د</i> م	
1/2000	2 ALC	LIN	C. Not enough Date	E (closed	through)
7/2000	ALC IN	icr 1			
Alloth	~ 2	AI	(PASSing .		
	<u> @0</u>				
Financial Responsibility – Verify owner's covera	ge. Select I	nsurance	e or Other, and provide Mechanism, if appropria	l	
X Insurance Carrier: FPLIPA	-		_ Effective Date: (2/29/09) Expiration Date		>
Other Coverage meeting federal financial r	esponsibility	TROUTET	1 1 1 1		
	csponsionity	i			
None					
Based upon the inspection results and information	or provided	buthaa			
Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	XYes		O No O CWOE – Compliance with ction of the non-compliance items noted.		
	- ALALI		250,507-5005].
CITRUS CNTY ENV HE Storage Tank Arogram Office	ACTH	'	Storage Tank Program Office Phone Number		
C. Mark Summer	-	<u>.</u>	Count Exford		
Inspector Name – Please Print		, ,	Facility Representative Name - Please Print		
hark da	10/0/	in se	lend Etter		
pector Signature & Date	//	······	Facility Representative Signature & Date		
			F	Page of	2
				•	1

ige Systems ge Tank Facility Compliance Inspection Report Facility ID: 8503047 Date: (0/6/07) Vacility Name: <u>CHEURON</u> Description / Inspector's Comments Cite amments * Release Detection Cont. Dlines and line leak detectors were tested 2/2000 BY Down under tank testers all passed Dispensel lines are clecked monthly HY TECH ENVIRONMENTAL and chy are noted on log sleet. D Tankswere tested on 1998 and an doe again in 2001 X Conditions noted at time of inspection,) Ells ware marked per Api 1637 All 4 Dispenses lines were dry. the Southas been removed e stps and the Swing Joints re wrapped. The 4 Monitor Wells are open they re marked as assessment due to PLIRP Statusi 3) placard is displayed at facility. Recommendations Dhave the Position of the Shear values elected chd be sure they are Mounted tightly.

Page 2 of



October 12, 2000

Jeb Bush

Governor

Mr. Carl Exford Central Florida Petroleum P.O. Box 1110 Brandon, FL 33509

> RE: ID # 098503047 Chevron 639 N.E. Hwy. 19 Crystal River, FL 34429

Dear Mr. Exford:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Enclosed, please find a copy of the Storage Tank Facility Compliance Inspection Report for the inspection recently performed at the above named facility. Please refer to this report for comments regarding the inspection.

If there are any questions concerning this matter, you may contact the Storage Tank Program at (352) 527-5295.

Sincerely.

C. Mark Sumner Environmental Specialist II

Enclosure(s)

CMS/file

CITRUS COUNTY DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH DIVISION STORAGE TANKS INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316



This data is current as of: 06-OCT-2000

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

ID#: 8503047 Name: CHEVRON 639 Ne Hwy 19 Crystal River, FL 34429 Contact: Phone: 352-795-3130 District: SWD County: Citrus Type: Retail Station Status: Open Latitude: 28:53:59.0000 Longitude: 82:35:18.0000 LL Method: AGPS

U

А

С

Account Owner Information

Name: Central Fl Petroleum Dist Lc Po Box 1110 Brandon, FL 33509-1110 Phone: 813-681-4279

Tank Owner Information

Name: Central Fl Petroleum Dist Lc Po Box 1110 Brandon, FL 33509-1110 Phone: 813-681-4279

Tank Size Content Installed Placement Status Const Pipe Monitor

1R1 10000 Unleaded Gas 06/01/1987 UNDER

2R1 10000 Unleaded Gas 06/01/1987 UNDER

3R1 10000 Unleaded Gas 06/01/1987 UNDER

	F M O	K J	H 4	
U	O A F ¥ M O	C K J	S H 4	cms
U	O A F X M O	C K J	S H 4	
В	0		~	

S

1 6000 Leaded Gas 07/01/1963 UNDER B 2 6000 Unleaded Gas 07/01/1963 UNDER B

3 6000 Unleaded Gas 07/01/1963 UNDER B

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D).

http://tlhora2.dep.state.fl.us/www_stcm/owa/page_two



Department of Environmental Protection

Lawton Chiles Governor Twin Towers Office Building 2600 Biair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

November 30, 1994

Mr. Bill Hanley Central Florida Oil Company Post Office Box 428 Ocala, Florida 34478-0428

SUBJECT: Sunmart #22 U.S. Highway 19 Crystal River, Citrus County FDEP Facility ID #098503047

Dear Mr. Hanley:

The Department has completed a contamination assessment at this site in accordance with its eligibility for the Early Detection Incentive Program created by the State Underground Petroleum Environmental Response Act. The results of the assessment indicate that the site meets the criteria in Section 62-770.600(5), Florida Administrative Code (FAC), which are used to determine when "no further action" is necessary at a petroleum contamination site. No additional assessment or cleanup will be conducted by the Department or its contractors. If a new discharge of petroleum or petroleum product occurs, you will be responsible for all corrective actions required by Chapter 62-761, 62-762 and 62-770, FAC.

Please contact Rebecca Lockenbach at 904/487-3299 or the above address if you have any questions about this site.

Sincerely Chief Douglas A. Jones, Chief Bureau of Waste Cleanup Division of Waste Management

DAJ/rll

cc: Suzanne Schomer, RUST Ken Weber, SWFWMD Nancy Evans, FDEP, Tampa

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.



Site No. 77 BP Shop (aka Giant #107/Co-Op Oil Company #3) 662 NE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503139

Division of Waste Management Bureau of Petroleum Storage Systems						
	Tank Fac	cility C	ompliance Insp	ection Report		
Facility ID 8503139	County [290	TRUS	Inspection	Date	00/00
Facility Name GIANT #	- 10	7		Facility Ty	ype $A - R \in$	ETAIL
Latitude 28~54°CU"	Longitud	e 8.2	35:58	L/L Meth	nod A-GF	25
Check box to identify type of inspection performed. Provide Lat/Long Determination Method. ("Map", ' Provide the count of USTs and/or ASTs reviewed du	"AGPS" (Ma	gellan), "	itude as necessary. GGPS" (Trimble)).	# USTs Inspected	> # ATSs Inspecte	1 1
Compliance Inspection (Annual)	TCI		Installation Inspec	tion	TIN	
Compliance Inspection (DRF received)	TCDI		Closure Inspection		TXI	
Compliance Inspection (Complaint received)	TCPI		Compliance Re-In		TCR	
Discharge Evaluation ("short form")	TDI			ilts of the TDI in a L	Discharge Project	
"Code" in block below corresponds to the Rule Cite; rep	presents a Data	Entry Cod				
Rule Cite 62-76 Description / In	spector's	Comme	ents			Code
and the second						
			sif the	-		
Pressur			ping th			
	,		- <u> </u>	eak der		18
		1	toess	testen	<u>Cinna</u>	dly:
·640(3(d) 1+15 (oun oto		are her		
- Cince les	1 + e	54		eration		
		<u></u>	f			
Financial Responsibility - Verify owner's covera	-		_	<i>i 1</i>		,
\underline{X} Insurance Carrier: \underline{CAP}			Effective Date: <u>/</u>	<u>/9/00</u> Expira	ation Date: _//	101
Other Coverage meeting federal financial	responsibility	y requirer	nents. Mechanism:			
None						
Based upon the inspection results and informati Florida Administrative Code 62-761. A re-inspection will be scheduled on or after 3	~ O Yes		V No O	CWOE - Complia	neet the requirer nce without Enfo	nents of preement
CITRUS ENURONMENTAL Storage Tank Program Office	HEAL	774	352-52	7-5295 Office Phone Number		
Inspector Name - Please Print	2		JERRY Facility Representative	Office Phone Number ROBERTS		
Mark Sami	0/27/0	50	Juny K	hat	Det 27	1.00
ztor Signature & Date	+		Facility Répresen	tative Signature &	z Date	
					Page	_ of _ 2

age Tank Facility Compliance Inspection Report Facility ID: 8503(35) Date: 10/27/00 Facility Name: Giant #107 F Cite 62-76/ Description / Inspector's Comments Jud()(6)29 The Components of the Storage tank System that are callodicly protected have not been tested annually as required. X Comments X -> Release detection is Sir By USTMan records reviewed from 10/99 7 9/2000 6/2000 was inconclusive on priemum all others pass no fails no consc. > System also an ipped with a leaded Root 5 250 notured By Roberse detection. -> placerd is current. The RDRL is on File, and The dispenser lines are Viscelly inspected monthly > Dusing this inspection it was noted that all Gas dispenser liners were dry, and that diesel # 12, 13, 8 had 2 1-3 inclus of liquid. X (place provide documentation of the liquid removal) * > The monitor wells appear to have been closed, But Aplease provide Verification) × renot closed wells will have to be properly abandoned.

Page 2 of 2



ORIGINAL

UST Management
 Hazardous Waste Management
 Environmental Remediation
 Environmental Construction

PCC056819 · CGC060059

June 6, 2003

FDEP	RECEIVED BY			ф.	
Attn: Barbara Suderman WRS Site Manager Petroleum Cleanup Section 5	JUN 0 9 2003 TEAM 5	BUREAL STOR. DOCUME	1003 JU	NIRONME	
2600 Blair Stone Road Tallahassee, Florida 32399-2400		AGE SYS	A P-N	RTMENT HTAL PR	ń V P
RE: Giant Oil #107 PFP Milestone Ver 662 US Highway 19 NE, Crystal R FDEP Facility I.D. No. 098503139 FRS Project No. RE90498.07	iver, Citrus County, Florida	ILENS	10: 58,	OF DIECTION	5

Dear Ms. Suderman:

FRS Environmental Remediation, Inc. (FRS) has recently completed groundwater sampling activities at the referenced facility (Figures 1 and 2). On April 24, 2003, FRS personnel collected groundwater samples from Key Wells MW-3, MW-21, MW-22 and CW-3 for laboratory analysis in accordance with EPA Methods 8021 (BTEX/MTBE) and 8310. On May 22, 2003, FRS personnel obtained groundwater samples from replacement monitor well MW-9R for laboratory analysis in accordance with EPA Methods 8021 (BTEX/MTBE) and 8310. The sample date was within 30 days of the April 24, 2003 sample event and per prior discussions with FDEP, the sample results can be utilized for milestone purposes.

On April 24, 2003, FRS personnel were unable to locate monitor well MW-9 as it had apparently been paved over with asphalt. Subsequent attempts to locate the well were unsuccessful and therefore, FRS replaced the well. On May 20, 2003, FRS personnel supervised Preferred Drilling Solutions, Inc. during the installation of replacement well MW-9R (see Figure 2). The shallow well was installed to a depth of approximately 12.0 feet below land surface (BLS) utilizing a hollow stem auger attached to a truck mounted drill rig. The well was constructed of 2-inch inner diameter schedule 40 flush-joint PVC with a ten (10) foot screened section slotted at 0.010 inches. A 20/30 grade silica sand filter pack was poured into the annular space between the bore hole and the screen. A fine sand seal was placed above the 20/30 sand pack, and cement grout was poured on top of the fine sand seal to ensure that surface infiltration does not preferentially flow down the bore hole. The top of the well was completed at grade with a locking expandable cap and enclosed in a protective steel manhole mounted in a 2' x 2' concrete pad (monitoring well construction detail included as Attachment A). Organic vapor analysis of soil samples was performed on soil samples obtained at 2.0 feet and 4.0 feet below land surface as the depth to groundwater was approximately 4.0 feet. The results of the analysis revealed organic vapor readings of 128 parts per million (ppm) at 2.0 feet and 230.0 ppm at 4.0 feet. A brown, fine to medium grain sand was observed at these sampling intervals followed by limestone from 6.0 to 12.0 feet. A boring log is provided in Attachment B.

The laboratory results indicated that the Giant Oil #107 facility has met Milestone Number 3 (50% reduction), Milestone #4 (75% reduction) and Milestone #5 (90% reduction) as established in the Pay-for-Performance Agreement. The laboratory analytical results are illustrated on Figure 3. The laboratory analytical report and chain of custody form has been included as Attachment C. Groundwater sample logs are provided in Attachment D.

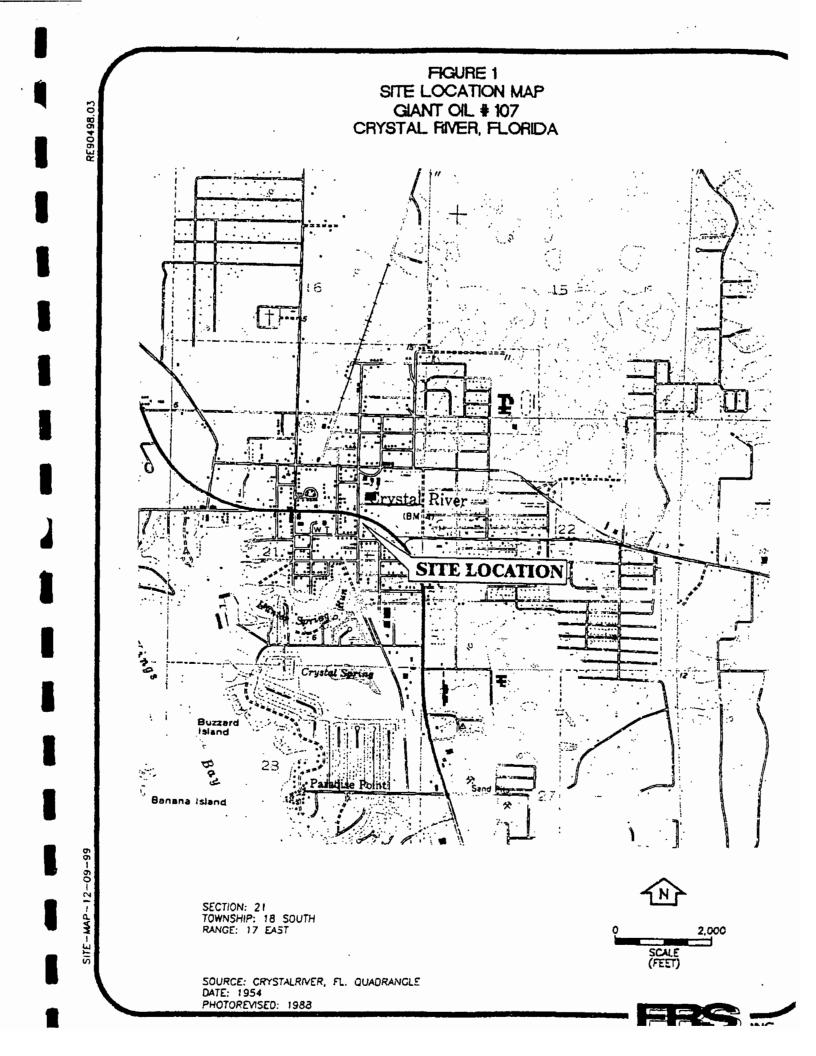
Laboratory analytical results were compared to baseline data for the two (2) contaminant categories as outlined on page 2 of 6 on Attachment A of Work Order #2003-95-1162. These categories consist of the BTEX/MTBE group (i.e., the sum of the concentrations of benzene, toluene, ethylbenzene, xylenes and MTBE) and the total naphthalenes group (i.e., the sum of the concentrations of naphthalene, 1-methylnaphthalene and 2-methylnaphthalene). The baseline date of July 1, 2002 and the associated data were outlined in FRS' report submitted to the FDEP on August 22, 2002 and approved by the FDEP on September 25, 2002 (letter provided in Attachment E). Monitor well MW-30 had previously been proposed for use as a Key Well, however, due to low concentrations of contamination, it was removed from the list of Key Wells (letter provided in Attachment E). Subsequently, Amendment #2003-95-1162-2 was issued in November 2002 outlining the current Key Well list (Attachment E). The laboratory analytical results and percent reductions for each contaminant category are summarized in Table 1.

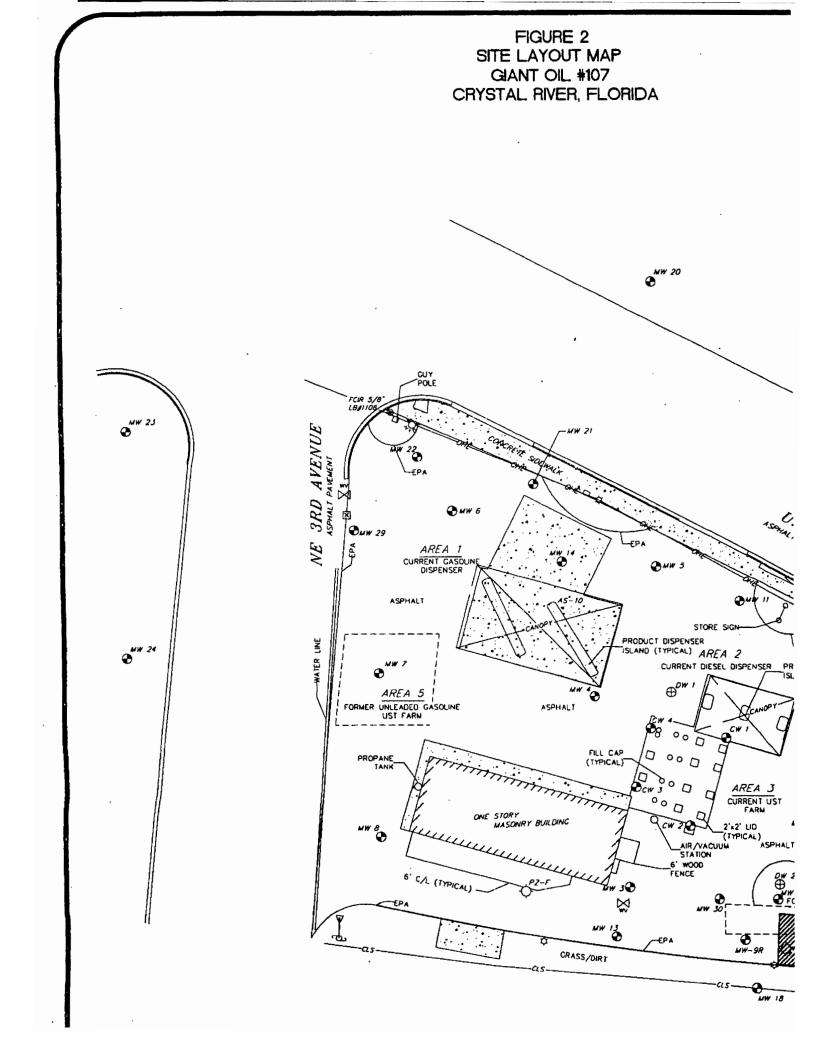
FRS will submit an invoice for Milestone Numbers 3, 4 and 5 under a separate cover and upon approval of this document by the FDEP. If you have any questions or comments concerning this information, please contact our office at (813) 246-4961.

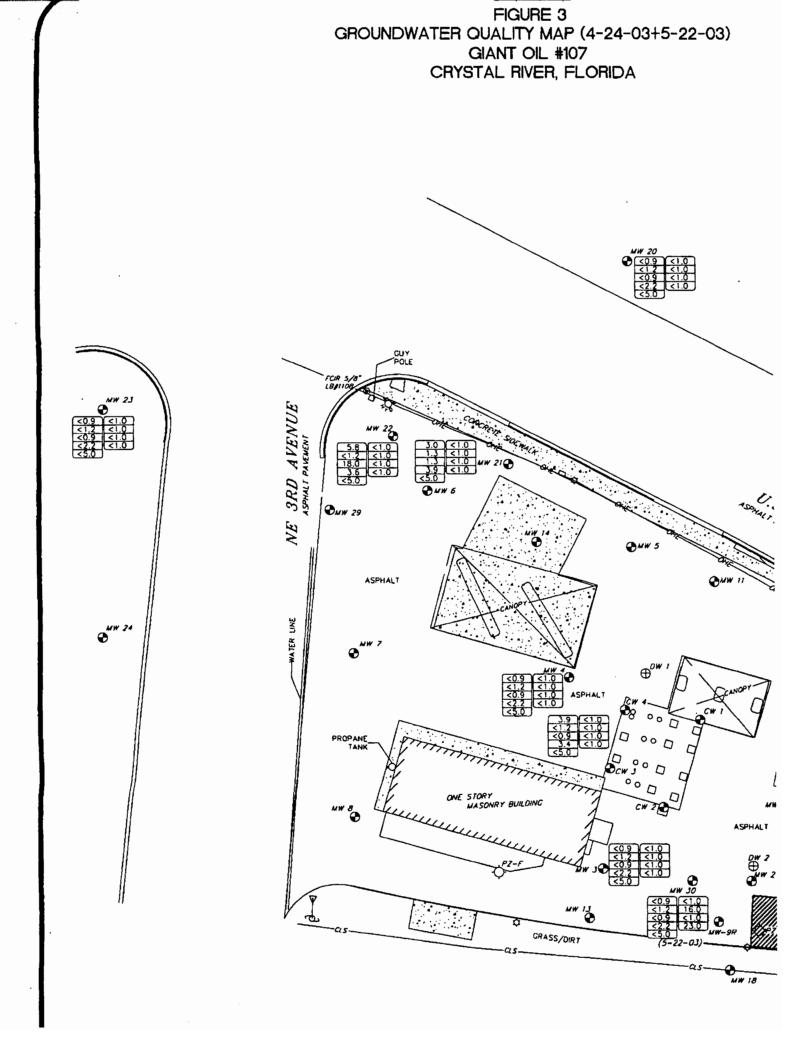
Sincerely, FRS Environmental Remediation, Inc.

Shane J. Billings Project Manager

FIGURES







TABLE

Florida Department of Environmental Protection -- Bureau of Waste Cleanup -- Pre-Approval Program -- Remedial Action O&M Reporting

I

1

I

I

1

I

I

ľ

TABLE 1: MILESTONE REDUCTION SUMMARY

Facility Name: Facility 1D #:

Giant Oil #107

9850	ς	-	,
86	•	7	٦
16	c	1	5
Ū.	7	5	5
		-	•

	3	٩
ì	1	٦
	-	•
	-	٦
		2
		5
	2	b
4		ĥ

q	•
5	1
=	-
ε	
v	Ę
٥	ç
C	
	01110300

39
3
_
3
0
98503
œ
0

c	~
110	2
2	2
00500	ž
2	2

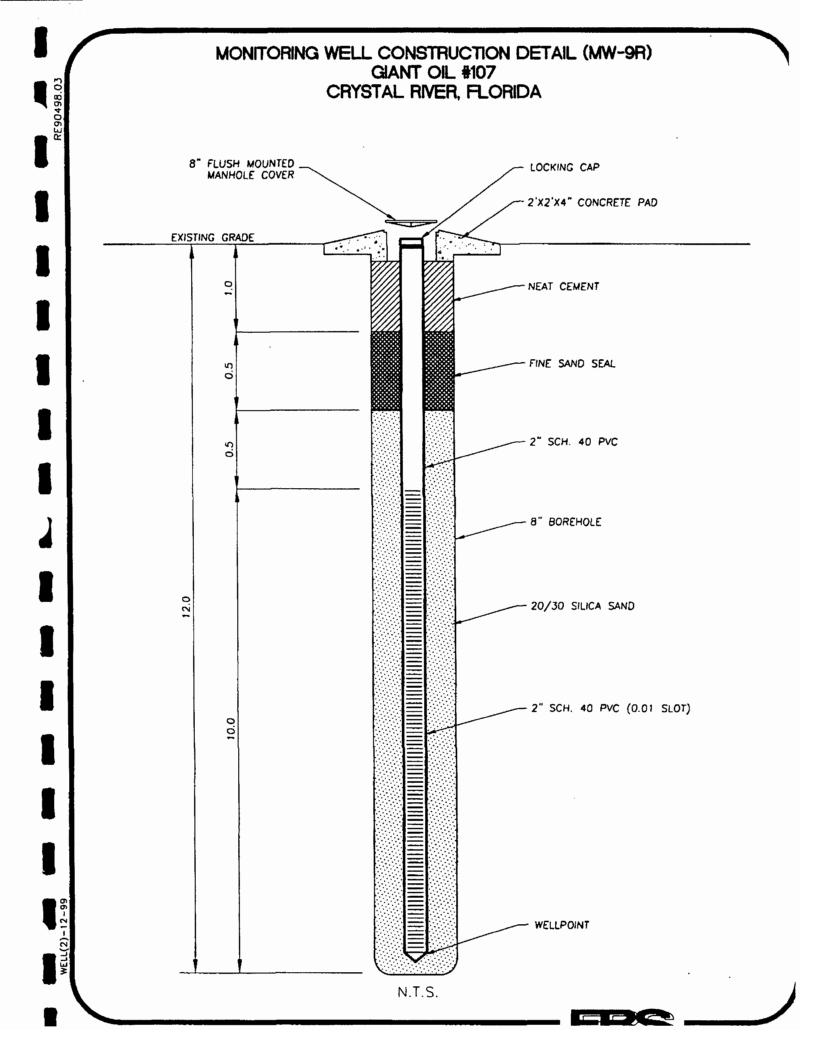
Toluene	40.0	BDL

San	Sample			Ethyl	Total		BTEX +		1-Methyl	2-Methyl	Total
Location	Date	Benzene	Toluene	Benzene	Xylenes	MTBE	MTBE	Naphthalene	Naphthalene	Naphthalene	Naphthalenes
Cleanu	Cleanup Level	1.0	40.0	30.0	20,0	50.0	141.0	20.0	20.0	20.0	60.0
MW-3	3/7/1995	BDL				BDL		2,065.0			
	10/27/1999	BDL	BDL	BDL	BDL	BDL	BDL	21.6	562.0	529.0	1,112.6
	7/1/2002	<1.0	<1.0	<1.0	<1.0	1.4	1.4	27.0	150.0	93.0	270.0
· · · ·	4/24/2003	<0.9	<1.2	<0.9	<2.2	<5.0	<0.9	<1.0	<1.0	<1.0	<1.0
Percent Reduction	luction	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""></gctls<></th></gctls<>	<gctls< th=""></gctls<>
6-WW	10/27/1999	BDL	BDL	BDL	6.0	BDL	6.0	61.1	677.0	443.0	1,181.1
	7/1/2002	<1.0	<1.0	<1.0	<1.0	2.0	2.0	1.2	480.0	760.0	1,241.2
MW-9R	5/22/2003	<0.9	<1.2	<0.9	<2.2	<5.0	<0.9	<1.0	16.0	<1.0	16.0
Percent Reduction	luction	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls></th></gctls<>	<gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<></th></gctls>	<gctls< th=""><th><gctls< th=""><th><6CTLS</th></gctls<></th></gctls<>	<gctls< th=""><th><6CTLS</th></gctls<>	<6CTLS
MW-21	7/6/2000	5,192.0	1,847.0	3,404.0	9,308.0	8.66	19,850.8	408.0	102.0	83.1	593.1
	7/1/2002	2,800.0	84.0	0.000,1	890.0	60.0	4,834.0	920.0	230.0	440.0	1,590.0
	4/24/2003	3.0	1.3	1.3	3.9	<5.0	9.5	<1.0	<1.0	<1.0	<1.0
Percent Reduction	luction	6.66	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th>102.8</th><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th>102.8</th><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th>102.8</th><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls></th></gctls<></th></gctls<>	<gctls< th=""><th>102.8</th><th><gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls></th></gctls<>	102.8	<gctls <<="" th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""></gctls<></th></gctls<>	<gctls< th=""></gctls<>
MW-22	7/6/2000	938.0	50.9	2,150.0	638.0	BDL	3,776.9	827.0	728.0	311.0	1,866.0
	7/1/2002	490.0	9.4	1,500.0	354.0	<1.0	2,353.4	790.0	140.0	350.0	1,280.0
	4/24/2003	5.8	<1.2	18.0	3.6	<5.0	27.4	<1.0	<1.0	<1.0	<1.0
Percent Reduction	luction	0.06	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th>105.1</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th>105.1</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th>105.1</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th>105.1</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	105.1	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""></gctls<></th></gctls<>	<gctls< th=""></gctls<>
CW-3	3/1/1995	BDL				4.1		84.4			
	10/27/1999	7.9	BDL	2.7	BDL	BDL	10.6	46.0	BDL	BDL	BDL
	7/1/2002	360.0	8.9	160.0	45.6	110.0	684.5	20.0	79.0	120.0	219.0
	4/24/2003	3.9	<1.2	€.0≻	3.4	<5.0	7.3	<1.0	<1.0	<1.0	<1.0
Percent Reduction	luction	99.2	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th>124.6</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th>124.6</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th>124.6</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th>124.6</th><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<></th></gctls<>	124.6	<gctls< th=""><th><gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""><th><gctls< th=""></gctls<></th></gctls<></th></gctls<>	<gctls< th=""><th><gctls< th=""></gctls<></th></gctls<>	<gctls< th=""></gctls<>

ATTACHMENT A MONITORING WELL CONSTRUCTION DETAIL

F:\shared\PROJECTS\Giant Oil #107\Reports\Milestone#3,4&5.doc

.



ATTACHMENT B BORING LOG

F:\shared\PROJECTS\Giant Oil #107\Reports\Milestone#3,4&5.doc

BORING LOG I

BORING NO. MW-9R

FRS PROJECT NO.: RE90498.07

PROJECT NAME: LOCATION:	Giant Oil #107 Crystal River, Florida	DATE & TIME BEGAN/FINISHED: TOTAL DEPTH:	5/20/03 12.00' BLS
CLIENT NAME:	FDEP	SURFACE ELEVATION:	·
GEOLOGIST:	Sam Esser	DRILLING METHOD:	Hollow Stem Auger
DRILLING CONTRACTOR:	Preferred Drilling Solutions, Inc.	GROUNDWATER DEPTH:	~4.0' BLS

	GEOLOGICAL DESCRIPTION	. V	AL PETROLEU APOR CONCE		
Depth (Ft)	Materials Description Notes/Observations	Sample Depth (Ft)	Total Hydrocarbons	C ₁ to C ₃ (Filtered)	Non-Methane Hydrocarbons (>C4)
0-1.0	Asphalt and limestone fill.				
1.0-2.0	Brown to tan, fine- to medium-grained sand.	2.0	128.0	0	128.0
2.0-6.0	Brown, medium-grain sand. Water table at approximately 4.0 feet.	4.0	230.0	0	230.0
6.0-	Limestone.				
12.0					

NOTES:

⁽¹⁾ "Total" hydrocarbons reading is the measurement of total organic vapors. C_1 to C_3 hydrocarbons reading is the measurement of methane, ethane, and propane drawn through a carbon filter. The non-methane hydrocarbon reading is the difference between the two readings.

BLS Below Land Surface

NR No Reading

BDL Below Detection Limits

HSA Hollow Stem Auger

FAMSL Feet Above Mean Sea Level

Site No. 78 Citgo Food Mart #4 707 NE Suncoast Boulevard (@ NE Third Avenue) Crystal River, Florida FDEP I.D. No. 098732510

۲ ۴		ice Bldg. 🛚 26 Divi	00 Blair	f Environmento Stone Road • Tallahas Waste Management Jleum Storage Syste	see, riorida 32399-2	2400	
E DEG		Tank Fac	cility C	Compliance Insp	ection Report		
	Facility ID 8732510	County 4	09 (CITRUS	Inspection	n Date 2/28	101
	Facility Name CITGO GOJ) MAR	27 7	<i>4</i> -4	Facility T	ype A-REI	ALL
	Latitude 28°53'59"	Longitud	e 87	°32'24"	L/L Meth	hod A-GE	S
	Check box to identify type of inspection performed. Provide Lat/Long Determination Method. ("Map", Provide the count of USTs and/or ASTs reviewed d	"AGPS" (Ma	igellan), '	itude as necessary. 'GGPS'' (Trimble)).	# USTs Inspected	ATSs Inspected	
	Compliance Inspection (Annual)	TCI	X	Installation Inspec	and a second data was a second data was a second data was a second data was a second data was a second data was	TIN	
	Compliance Inspection (DRF received)	TCDI		Closure Inspection		TXI	
	Compliance Inspection (Complaint received)	TCPI TDI		Compliance Re-In ** Record the rest		TCR	
	Discharge Evaluation ("short form")		I				
5	• "Code" in block below corresponds to the Rule Cite; re Rule Cite (2-76 (Description / In	nspector's	Comm	ents		•	Code
7				pensed line			
	the pip.	ng Cor	nect	tion ench	es not b	need rema	ed.
		<u> </u>		· · · · · · · · · · · · · · · · · · ·			
	X	Co	mn	nents.	\checkmark		
	1			all pipino	15 8 4 4	. l 4	d d
	HTTC d	•			/ • •	<i>(</i> ')	
	Sleel V.	ilung	<u>, D</u>	spense 7	= 3/4 45	adig lin	₽
	Dispens-	el line	3 45	1,2 has	2 18 in	ches of x	27
	liquit,	This	mo	stbe rem	loved and	treated	-5
				Waiter 1		•	
	Financial Responsibility – Verify owner's cover						
	57	2		•	1 1	,	1.1
	Insurance Carrier: C	<u>~</u>		Effective Date:	2/31/20 Expire	ation Date: $\frac{12}{32}$	101
	Other Coverage meeting federal financial	responsibility	y requirer	ments. Mechanism:			
	None						
	Based upon the inspection results and informat Florida Administrative Code 62-761. A re-inspection will be scheduled on or after 72	ion provided O Yes 2 days to ve:	l by the o rify corre	wher/operator, this f No O ction of the non-comp	acility appears to r CWOE – Complia liance items noted.	ncet the requireme nce without Enforc	nts of ement
	CITRUS ENVIRON MENTAL	11-An	+11	3-1	7-5759		-
	Storage Tank Program Office	HER	P	Storage Tank Program	Office Phone Number		
	C. MARK SUMPER					•	
	Inspector Name - Please Print	, ,		Facility Representative	Name – Please Print		
	The Same	2/28/0)/	Henry	a phure	X	
	Inspector Signature & Date	1-1-		Facility Represen	tative Signature &	z Date	
						Page_1	of <u>2</u>

Sorage Tank Facility Compliance Inspection Report

Facility Name: CITGO FOOT MART #4 Facility ID: 8732510 Date: 2/28/01 **Description / Inspector's Comments** `> Cite TANKS Tightness tested by tenknology (512) 459-1459 3/10/00 Next test due 3/0/2003 (ALL 3 PASSED) Lines & Linelack detectors were tasted by Tanknology 3/10/00. All Passed. Next tests are due by 3/10/2001. Current registration is paid and on display. The dispenses lines are visually inspected Monthly and the conditions observed are noted on the log sleets, The RDRI IS listed on each monthly log sleet. Tank Relacse detection 15 an AutoSt. KJR4 At & a printout of the current tank Status, Alam Report, & Leck test time Japit Les been added to the file. The fills are marked per April 1637 Sps are emped with UD, TleSoil his been removed from around the pumps and He swing joints have been protected from collosion. Photos taken of facility & braul in the dispersed

Page 2 of 2





February 28, 2001

Mr. Brad Weiniski K.E. Allen Inc. 210 E. North Ave. Lake Wales, FL 33853-3218

> DEP FAC #098732510 Citgo Food Mart #4 707 US Hwy. 19 Crystal River, FL 32629

Dear Mr. Weiniski:

RE:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Attached are the 62-761, FAC, compliance inspection results for the above named facility. The inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to 62-761, FAC. Alleged violations are noted below.

Due to the alleged violations noted, this facility may not be operating in compliance with Chapter 62-761, FAC. Review the violations referenced below. Submit a response in writing within fourteen (14) days which provides a schedule for correcting the noted violations. Be advised that failure to take corrective action may result in enforcement action and the assessment of penalties.

> CITRUS COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SECTION STORAGE TANK INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316

Sprinted on recycled paper

62-761.700(1)(c)1, FAC – There is water or other liquid present in the dispenser liner(s) for the storage tank system(s). Spill containment devices, dispenser liners, and piping sumps shall be maintained to provide access for monthly examination and water removal as necessary. Water collected in spill containment devices, or in piping sumps and dispenser liners that is above the opening of the integral piping connection, or any regulated substances collected in these storage tank system components shall be removed and be either reused or disposed of properly. Suggested Corrective Action: Remove any liquid from the dispenser liner(s), and either reuse or properly dispose of it.

Note that unless otherwise indicated, the schedule for corrective action is 30 days. Any item for which insufficient information was provided to determine compliance status is followed by an asterisk (*) and must also be addressed.

If you have any questions concerning this letter please call the Storage Tank Inspection Program at (352) 527-5295.

Sincerely,

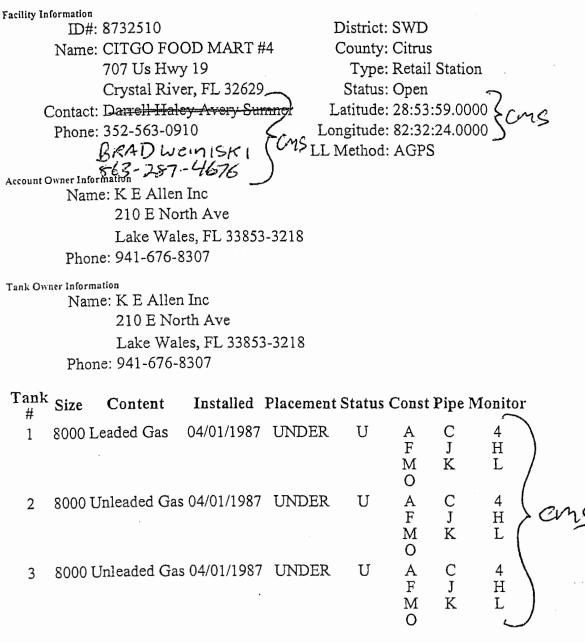
C. Mark Sumner

 $\overline{\mathcal{C}}$

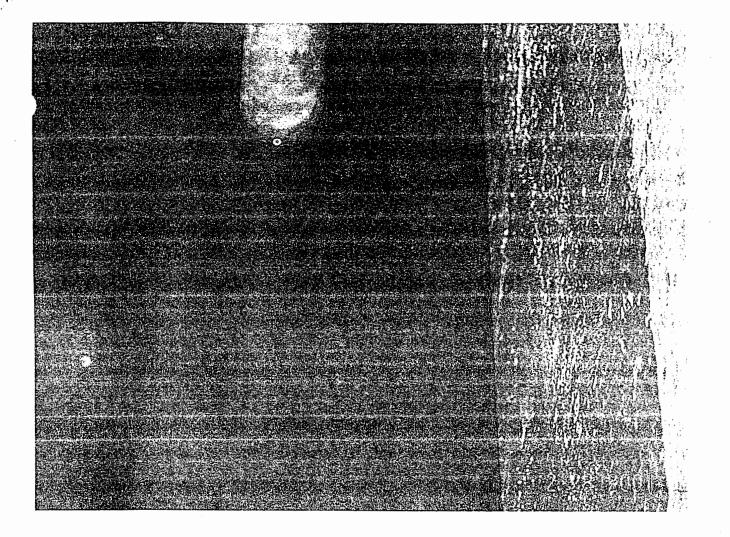
Environmental Specialist II

enclosure(s) CMS/file This data is current as of: 29-NOV-2000

Bureau of Petroleum Storage Systems Facility Inspection Cover Page



***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found!



file://C:\WINDOWS\TEMP\KODAK.TMP\DCP_0274.JPG

2/28/01



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

David B. Struhs Secretary

CERTIFIED MAIL RETURN RECEIPT REQUESTED

OCT 3 1 2002

Mr. Brad Weinischke Mid-State Energy, Inc. 210 E. North Avenue Lake Wales, FL 33853-3299

Subject: <u>Site Rehabilitation Completion Order</u> Citgo Food Mart No. 4 707 U.S. Hwy. 19 Crystal River, Citrus County FDEP Facility ID# 09-8732510 (PLRIP)

Dear Mr. Weinischke:

The Bureau of Petroleum Storage Systems has reviewed the Site Assessment Report (SAR) and No Further Action Proposal (NFAP) dated June 12, 2002 (received June 21, 2002), prepared and submitted by Edwards & Belyea Environmental, Inc. for the petroleum product discharge discovered on September 1, 1998 at this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 62-770.680(1), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge listed above, except as set forth below.

 In the event concentrations of petroleum products' contaminants of concern increase above the levels approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Department of Environmental Protection
 (Department) may require site rehabilitation to reduce concentrations of petroleum products' contaminants of concern to the levels approved in the NFAP or otherwise allowed by Chapter 62-770, F.A.C.

Mr. Brad Weinischke Page two

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about the No Further Action Proposal you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following:

- (1) File a petition for administrative hearing with the Department's Office of General Counsel within 21 days of receipt of this Order; or
- (2) File a request for an extension of time to file a petition for hearing with the Department's Office of General Counsel within 21 days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Mid-State Energy, Inc., shall mail a copy of the request to Mid-State Energy, Inc., at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Mid-State Energy, Inc., shall mail a copy of the request to Mid-State Energy, Inc. at the time of filing. Failure to file a petition

Mr. Brad Weinischke Page three

ź

within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

Please send a copy of the approved assessment document to Ken Weber of the Southwest Florida Water Management District within 30 days of receiving this Order. Mr. Brad Weinischke Page four

The FDEP Facility Number for this site is 09-8732510. Please use this identification on all future correspondence with the Department.

Questions

Any questions regarding the Department's review of your No Further Action Proposal should be directed to Danny Callahan at (850) 245-8916. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2278. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely, Michael E. Ashey, Chief Bureau of Petroleum Storage Systems

MEA/dgc

cc: Laurel Culbreth, FDEP SW District Office Mr. Frank Cowan, Edwards & Belyea Environmental, Inc., P.O. Box 18403, Tampa, FL 33679-8403 File

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

-3/-じこ Date

(or Deputy Clerk)

P.G. CERTIFICATION

Templated Site Assessment Report (TSAR) and No Further Action Proposal (NFAP) without conditions dated June 12, 2002 (received June 21, 2002) prepared and submitted by Edwards & Belyea Environmental, Inc. for the Citgo Food Mart No. 4 site, 707 U.S. Highway 19, Crystal River, Citrus County, Florida, FDEP Facility ID# 09 8732510.

I hereby certify that in my professional judgment, the components of this No Further Action Proposal satisfy the requirements set forth in Chapter 62-770, Florida Administrative Code (F.A.C.), and that the conclusions in this report provide reasonable assurances that the objectives stated in Chapter 62-770, F.A.C., have been met.

X personally completed this review.

____ This review was conducted by _____ working under my direct supervision.

Jumes A. Holst, PG #1851

Professional Geologist II Petroleum Cleanup Section 4

Date



April 29, 2003

Mr. Michael Webb, P.E. Florida Department of Environmental Protection Petroleum Cleanup Section, Mail Station 4530 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Re: Second Semi-Annual Natural Attenuation Monitoring Report Quality Amoco #85 806 Northeast US Highway 19 Crystal River, Citrus County, Florida FDEP Facility ID #: 098503098 FDEP Work Order #: 2002-93-0352 Handex Project: 111432.009

Dear Mr. Webb:

Handex of Florida, Inc. (Handex) has completed the second semi-annual groundwater sampling event at the above-referenced site as outlined in Florida Department of Environmental Protection (FDEP) pre-approval work order number 2002-93-0352-0. This is the second deliverable associated with the work order. The following is a summary of activities conducted for this monitoring period. A site plan of the facility is presented as **Figure 1**. A copy of the work order is presented in **Appendix A**.

GROUNDWATER QUALITY MONITORING

Groundwater samples were collected on March 11, 2003 from monitoring wells MW-10 and MW-11. Groundwater samples were analyzed by ELAB of Ormond Beach, Florida using United States Environmental Protection Agency (USEPA) Method 8021 for total volatile organic aromatics (VOAs) including methyl tert-butyl ether (MTBE). Laboratory analyses reported benzene and MTBE above Groundwater Cleanup Target Levels (GCTLs) as outlined in Table 1, Chapter 62-777, Florida Administrative Code (F.A.C.) in the groundwater sample collected from MW-11. Laboratory analyses reported benzene above its GCTL, in the groundwater sample collected from MW-10. Other compounds analyzed in the groundwater samples collected from MW-10 and MW-11 were reported below laboratory detection limits (BDL) or below GCTLs. A groundwater concentration map is presented as **Figure 2**. Groundwater analytical data are summarized in **Table 1**. Copies of the laboratory analytical report and groundwater sampling logs are presented in **Appendix B**.

Mr. Michael Webb, P.E. Quality Amoco #85 FDEP Facility ID #: 098503098 April 29, 2003

Page 2

WATER-TABLE ELEVATION MONITORING

In conjunction with the collection of groundwater samples, water table measurements were collected from existing site monitoring wells on March 11, 2003. Liquid phase hydrocarbons (LPH) were not detected. **Figure 3** is a contoured water table elevation map depicting the groundwater flow direction on March 11, 2003. Water table elevation data are presented in **Table 2**.

SUMMARY

The results of the March 11, 2003 sampling event reported the benzene concentration in MW-10 and MW-11 above its GCTL. The MTBE concentration was reported above its GCTL in MW-11. Other compounds analyzed in the groundwater samples collected from MW-10 and MW-11 were reported BDL or below GCTLs.

Based upon the current distribution of hydrocarbon impacted groundwater, groundwater flow direction, and proximity to a City of Crystal River public supply well, Handex recommends that one monitoring well be installed downgradient of MW-11 in the concrete area south of the service bay. Because it has been nearly two years since comprehensive groundwater sampling has been performed, Handex recommends a full round of sampling of the site wells following well installation. At that time, Handex will make an assessment concerning the need to supplement natural attenuation monitoring (NAM) with an alternative remedial strategy. This deliverable concludes the work under the present work order. Upon FDEP approval, Handex will submit a proposal for the recommended next scope of work.

As always it is a pleasure working with the Florida Department of Environmental Protection. If you have questions or comments concerning the report please feel free to contact the undersigned at (352) 735-1800.

Respectfully submitted,

HANDEX OF FLORIDA, INC.

geologist din@handexmail.com

isa C. Ray, P.G.

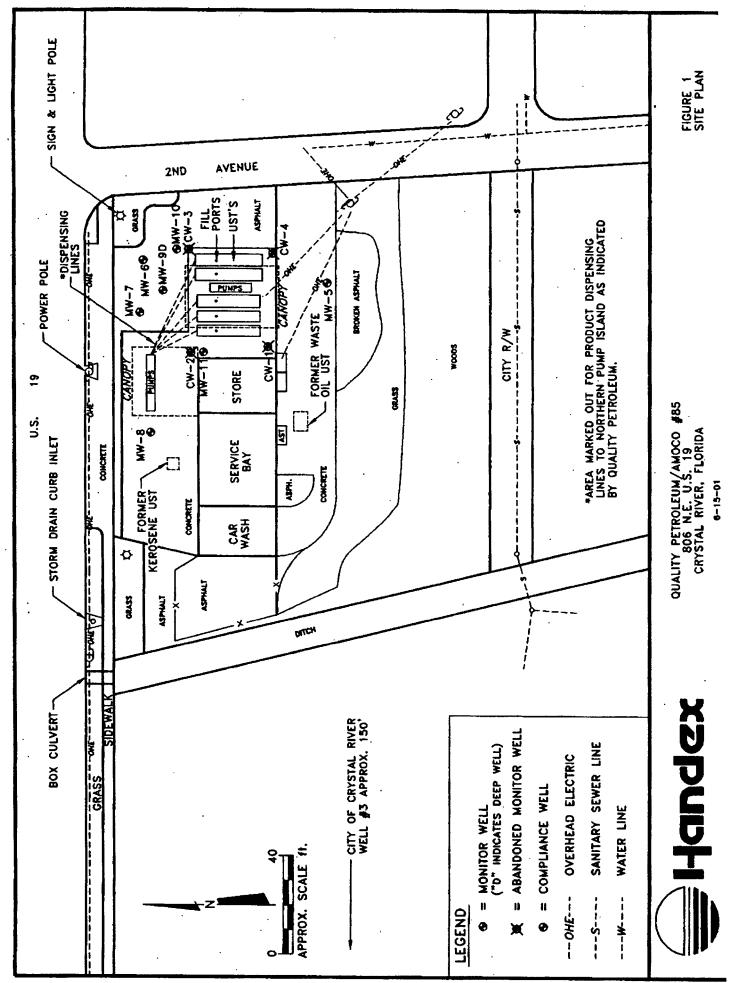
Senior Hydrogeologist Iray@handexmail.com

cc: Mr. Steve Weeks, Quality Petroleum, P.O. Box 3889, Lakeland, Florida, 33802 Project File 111432.009

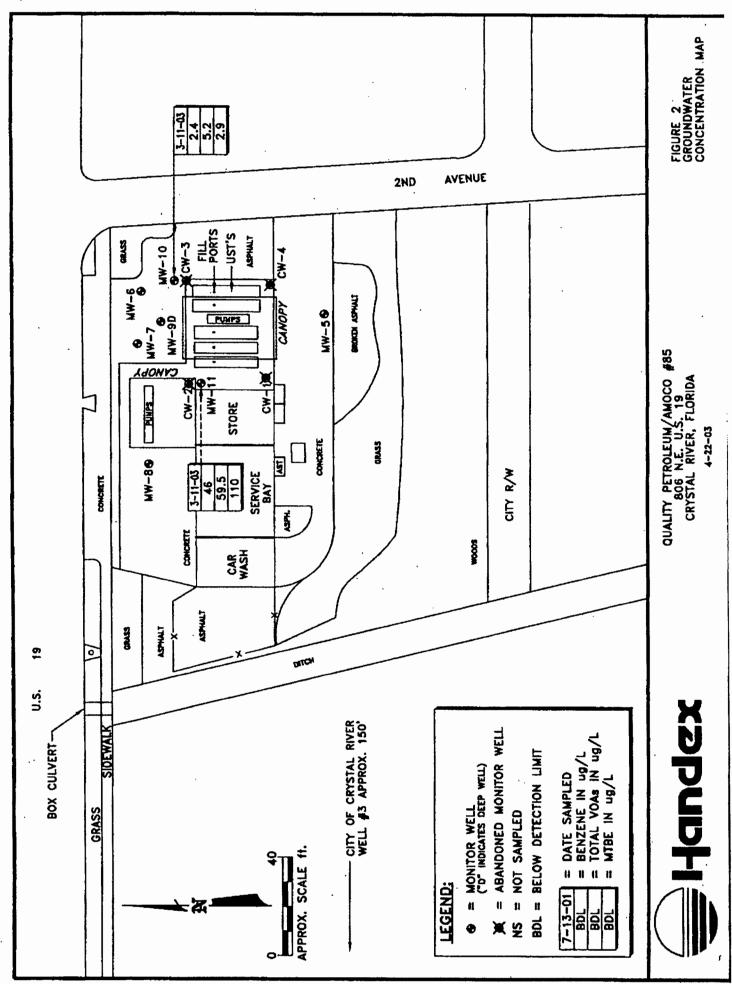


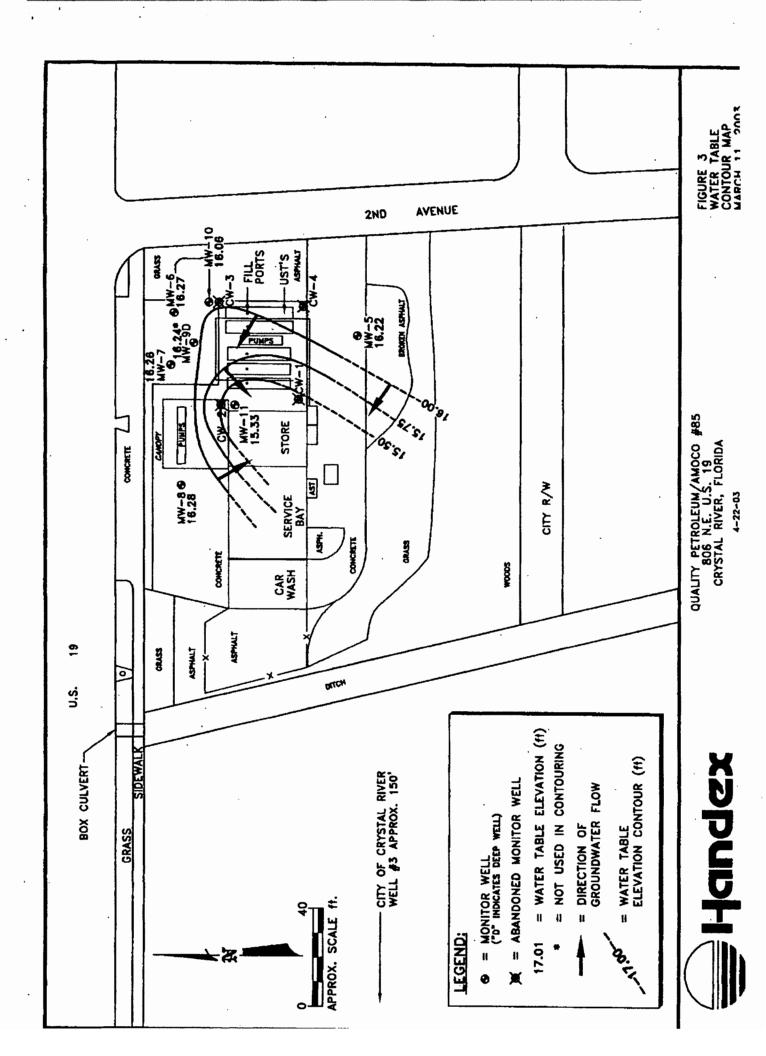
FIGURES

÷



2-1'DMC





TABLES

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Petroleum Cleanup Section

۰.

•

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility ID#: 098503098

Not Sampled ≂ NS Analyticai Results = ppb

											Not Installed = NI	I NI	
S Location	Sampie n Date	Benzene	Toluene	Ethyi Benzene	Total Xylenes	Total VOA	MTBE	Total Naphthalenes	Total PAHs	Total Lead	Dissolved Lead	Total VOH	EDB
CW-1	02/20/1990	BDL	BDL	BDL	BDL	BDL	44.00	SN	NS	BDL	BDL	SN.	0.02
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	SN	NS	NS
	04/10/1996	BDĽ	BDL	BDL	BDL	BDL	1.40	NS	NS	NS	NS	NS	NS
	10/09/1996	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS	NS	NS
	03/31/1997	BDL	BDL	BDL	BDL .	BDL	89.00	SN	NS	NS	NS	NS	NS
	10/16/1997	BDL	BDL	BDL	BDL	BDL	1.90	NS	NS	NS	NS	NS	NS
	04/08/1998	BDL	BDL	BDL	BDL	BDL	1.80	NS	NS	NS	NS	NS	NS
	10/21/1998	BDL	BDL	BDL	BDL	BDL	3.6	NS	NS	NS	NS	NS	NS
	04/02/1999	<0.5	<0.5	<0.5	<0.5	BDL	1.5	NS	SN	NS	NS	NS	NS
	10/01/1999	<0.5	<0.5	<0.5	<0.5	BDL	2.6	NS	SN	SN	NS	NS	NS
CW-2	02/20/1990	54.0	3.20	1.70	14.00	72.90	240.00	NS	NS	0.03	0.06	NS	BDL
	12/11/1992	1.0	BDL	BDL	BDL	1.00	32.00	BOL	BDL	SN	SN	NS	NS
	04/10/1996	1.6	4.50	1.10	7.00	14.20	25.00	NS	SN	SN	NS	NS	NS
_	10/09/1996	12.0	1.00	0.90	1.60	15.50	12.00	NS	NS	NS	NS	NS	NS
•	03/31/1997	14.0	1.00	BDL	2.10	17,10	23.00	NS	NS	NS	SN	NS	NS
	10/16/1997	6.1	BDL	BDL	1.89	7.89	13.00	NS	NS	NS	SN	NS	NS
Dupe-1	10/16/1997	10.0	0.68	0.58	2.11	13.37	24.00	NS	NS	NS	NS	NS	NS
	04/08/1998	4.4	0.61	0.50	4.0	9.51	21	NS	NS	NS	NS	NS	NS
	10/21/1998	4.2	0.65	BDL	2.38	7.23	41	NS	NS	NS	NS	NS	NS
	04/02/1999	1.7	<0.5	<0.5	<0.5	1.7	17	NS	NS	NS	NS	NS	NS
	10/01/1999	19	<0.5	0.87	1.52	21.39	16	NS	NS	SN	NS	NS	NS
		-											
CW-3	02/20/1990	6.9	BDL	BDL	5.10	12.00	88.00	SN	NS	0.01	BDL	NS	BDL
	12/11/1992	290.0	6.00	22.00	31.00	349.00	25.00	BDL	BDL	NS	NS	NS	NS
	04/10/1996	34.0	1.70	2.60	6.60	44.90	16.00	NS	NS	NS	NS	NS	NS
	10/09/1996	4.5	2.40	1.60	2.80	11.30	14.00	NS	NS	NS	NS	NS	NS
	03/31/1997	12.0	1.20	0.80	2.30	16.30	5.20	SN	SN	NS	NS	SN	NS
	10/16/1997	5.9	1.3	-	4.80	13	8.3	SN	SN	NS	SN	NS	NS
	04/08/1998	33.0	2.9	1.6	5.59	43.09	48	NS	NS	SN	NS	SN	NS
	10/21/1998	61	4.1	15	7.20	87.3	56	NS	NS	NS	NS	SN	NS
	04/02/1999	35	1.5	3.2	5.23	44.93	23	NS	NS	SN	NS	NS	NS
	10/01/1999	3.1	0.69	0.82	2.68	7.29	3.3	NS	NS	SN	NS	NS	NS

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Petroleum Cleanup Section

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility ID#: 098503098

Analvtical Results = ppb Not Sampled = NS

EDB

BDL

N N N N N N N N N

NS NS

NS SN NS SS NS

S S S S

S S S S

N N N N N

N N N N

<1.0 <1.0

В

<1.0

NSN

NS NS BDL

BDL NS NS

NS NS 1.0

NS NS

NSN NSN

04/02/1999 10/01/1999

<1.0 <1.0

<1.0 <1.0

09/29/2000 07/13/2001

	Sample			Ethyl	Total	Total		Total	Total	Total	Dissolved	Total
Location	Date	Benzene	Toluene	Benzene	Xylenes	VOA	MTBE	Naphthalenes	PAHs	Lead	Lead	HON
CW4	02/20/1990	1.5	6.10	BDL	2.50	10.10	28.00	SN .	SN	0.01	BDL	NS
	12/11/1992	BDL	BDL	BDL	BDL	BDL	2.00	BDL	BDL	NS	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	2.40	NS	SN	NS	NS	NS
	10/09/1996	SN	NS	SN	NS	NS	NS	NS	NS	NS	NS	NS
	03/31/1997	SN	NS	NS	SN	NS	NS	SN	NS	NS	SN	SN
	04/02/1999	SN	SN	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/01/1999	<0.5	<0.5	<0.5	<0.5	BDL	1.9	NS	NS	NS	NS	NS
8-WM	02/20/1990	BDL	2.80	BDL	3.00	5.80	300.00	SN	SN	0.01	BDL	NS
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	1.40	SN	SN	NS	NS	NS
	10/09/1996	NS	NS	SN	NS	NS	SN	SN	NS	NS	NS	NS
	03/31/1997	SN	NS	SN	NS	SN	NS	NS	NS	NS	NS	NS
	04/02/1999	SN	NS	SN	SN	SN	NS	SN	NS	SN	NS	NS
	10/01/1999	NS	NS	NS	NS	SN	NS	SN	NS	SN	SN	SN
	04/05/2000	<0.50	<0.50	<0.50	BDL	BDL	1.20	SN	NS	NS	NS	NS
	09/29/2000	<1.0	<1.0	<1.0	BDL	BDL	<1.0	SN	NS	NS	NS	NS
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	<1.0	NS	NS	NS	NS	NS
9-WM	05/20/1990	BDL	BDL	BDL	BDL	BDL	BDL	SN	NS	0.01	BDL	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BOL	BDL	BDL	NS	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	BDL	SN	NS	NS	NS	NS
	10/09/1996	SN	SN	NS	NS	NS	NS	SN	NS	NS	NS	NS
	03/31/1997	NS	NS	NS	NS	NS	NS	NS	SN	SN	SN	NS

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Petroleum Cleanup Section

. .

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility ID#: 098503098

Not Sampled = NS

				E + 1.1	Tatal	Tatal		Tatal	Total	Tatal	Discolved To	T_ctol	
Location	sample n Date	Benzene	Toluene	Benzene	Xylenes		MTBE	Naphthalenes	PAHS	Lead	Lead	HON	EDB
MW-7	02/20/1990	2.0	BDL	5.30	1.70	9.00	260.00	NS	NS	0.01	BDL	_	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BOL	BDL	BDL	SN	NS	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	2.50	NS	NS	NS	NS	NS	NS
	10/09/1996	NS	SN	NS	NS	NS	NS	NS	NS	SN	NS	NS	NS
	03/31/1997	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/02/1999	NS	NS	NS	NS	NS	SN	NS	SN	SN	SN	NS	SN
	10/01/1999	NS	NS	NS	SN	NS	NS	NS	SN	NS	NS	NS	SN
	04/05/2000	0.63	<0.50	<0.50	BDL	0.63	5.50	NS	NS	NS	NS	SN	SN
	09/29/2000	<1.0	<1.0	<1.0	BDL	BDL	3.9	NS	NS	SN	SN	NS	SN
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	3.7	NS	NS	NS	SN	NS	NS
8-WM	02/20/1990	13.0	BDL	BDL	27.00	40.00	120.00	SN	SN	0.01	BDL	BDL	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	SN	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	1.80	NS	NS	NS	SN	NS	NS
	10/09/1996	NS	NS	NS	NS	SN	NS	SN	NS	SN	SN	SN .	NS
	.03/31/1997	NS	NS	NS	SN	NS	NS	NS	NS	NS	SN	NS	NS
	04/02/1999	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	SN
	10/01/1999	NS	NS	NS	NS	NS	NS	NS	NS	SN	.SN	NS	NS
	04/05/2000	<0.50	<0.50	<0.50	BDL	BOL	1.40	SN	NS	NS	SN	NS	NS
•	09/29/2000	<1.0	<1.0	2.50	BDL	2.50	<1.0	SN	NS	NS	SN	NS	NS
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	2.2	NS	SN	NS	NS	NS	NS
				*****							_		

Florida Department of Environmental Protection -- Bureau of Waste Cleanup -- Petroleum Cleanup Section

.

.

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility (D#: 098503098

Not Sampled = NS

1.3 1.80 8.1 8.01 8.01 8.01 8.01 8.01 8.01 8.01 8.01 8.01 8.01 8.01 8.01 8.01	ZUAD AUANIOI		Xylenes	VOA	MTBE	Total Naphthalenes	Total PAHs	Total Lead	Dissolved Lead	Total VOH	EDB
	1-	4	5.40	8.50	BDL	NS	NS	BDL	BDL	BDL	BDL
	-	2	BDL	BDL	BDL	BDL	BDL	SN	NS	SN	SN
	-	2	1.20	2.00	1.00	NS	NS	SN	SN	NS	SN
	F	2	BDL	5.20	3.10	SN	SN	NS	NS	NS	NS
		2	BDL	BDL	BDL	NS	SN	NS	NS	NS	SN
	ŀ	۲ ۲	BOL	BDL	BOL	NS	SN	SN	NS	NS	NS
	[BDL	BDL	BDL	NS	SN	NS	SN	SN	NS
	1	2	BDL	BDL	1.20	NS	SN	SN	SN	SN	NS
	T	5	<0.5	BDL	<0.5	NS	SN	SN	NS	NS	NS
	<u> </u>	S	NS	NS	NS	SN	SN	SN	SN	SN	SN
-		0.	BDL	BDL	<1.0	NS	SN	SN	NS	NS	NS
\vdash	ţ	0.	BDL	BDL	<1.0	NS	SN	NS	NS	NS	SN
	-										
			ſ								
╀	+		BDI	41	<5.0	SN	NS	SN	SN	NS	NS
	$\left \right $	0	2.3	21.1	<1.0	NS	NS	SN	NS	SN	SN
-	-	0.	0.5	0.9	1.5	NS	NS	SN	NS	NS	SS
	-	5	2.8	9.7	6.0	NS	NS	SN	SN	NS	SN
-	0	9	1.8	5.2	2.9	NS	NS	NS	NS	NS	NS
_		3	6.9	40.5	<1.0	SN	NS	SN	NS	NS	SN
		2	10.6	39.4	65	NS	NS	SN	SN	NS	NS
		2	4.3	22.7	51	SN	SN	NS	NS	NS	NS
		0	16	49.8	A	NS	SN	SN	SN	NS	NS
			8.7	59.5	110	NS	SN	NS	SN	NS	NS
-	+										
	<1.0	 <1.0 <1.0<td> <1.0 <1.0 <1.0 <1.0 <1.8 <1.8 <1.8 <1.8 <1.8 <1.9 <1.0 <1.0<td> <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.15 <1.15 <1.16 <1.16 <1.16 <1.16 <1.17 <1.12 <1.26 <1.12 <1.28 <1.0 <1.12 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.26 <1.25 <1.26 <1.26 <1.26 <1.26 <1.26 <1.27 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.29 <1.29 <1.20 <1.20<!--</td--><td><1.0</td> <1.0</td> 8DL BDL BDL <1.0</td> <1.0	 <1.0 <1.0 <1.0 <1.0 <1.8 <1.8 <1.8 <1.8 <1.8 <1.9 <1.0 <1.0<td> <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.15 <1.15 <1.16 <1.16 <1.16 <1.16 <1.17 <1.12 <1.26 <1.12 <1.28 <1.0 <1.12 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.26 <1.25 <1.26 <1.26 <1.26 <1.26 <1.26 <1.27 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.29 <1.29 <1.20 <1.20<!--</td--><td><1.0</td> <1.0</td> 8DL BDL BDL <1.0	 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.15 <1.15 <1.16 <1.16 <1.16 <1.16 <1.17 <1.12 <1.26 <1.12 <1.28 <1.0 <1.12 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.26 <1.25 <1.26 <1.26 <1.26 <1.26 <1.26 <1.27 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.28 <1.29 <1.29 <1.20 <1.20<!--</td--><td><1.0</td> <1.0	<1.0	< 1.0 < 1.0 $= 00L$ $= 00L$ $= 00L$ $= 00L$ < 1.0 < 1.0 $= 00L$ $= 00L$ $= 00L$ $= 00L$ < 5.0 25 $= 00L$ $= 0.0$ $= 3.3$ $= 21.1$ < 0.4 < 0.6 2.3 $= 21.1$ $= 0.9$ 0.9 1.5 2.8 $= 9.7$ $= 0.9$ 0.9 1.5 2.8 $= 9.7$ $= 0.9$ 0.9 1.5 2.8 $= 9.7$ $= 0.9$ 0.9 1.5 2.8 $= 9.7$ $= 0.9$ 0.9 0.5 0.9 $= 0.9$ $= 0.9$ 5.3 $= 9.3$ $= 0.6$ $= 40.5$ $= 30.4$ 5.3 $= 1.2$ 10.6 $= 30.4$ $= 40.5$ 3.8 1 $= 8.7$ $= 53.7$ $= 30.4$ 3.8 1 $= 8.7$ $= 59.5$ $= 50.5$	< 1.0 < 1.0 $= 0.10$ $= 0.01$ $= 0.01$ < 1.0 < -1.0 < 1.0 $= 0.1$ $= 0.01$ $= 0.01$ < 1.0 < -1.0 $= 0.5$ $= 0.5$ $= 0.01$ $= 1.0$ < -1.0 < -5.0 $= 5.5$ $= 0.5$ $= 0.91$ $= 41$ < 5.0 < -5.0 $= 2.3$ $= 21.1$ < -1.0 $= 0.5$ $= 0.97$ $= 6.0$ 0.4 < -1.0 0.5 0.9 $= 0.97$ $= 6.0$ $= 1.5$ 0.4 0.5 1.8 $= 5.2$ $= 2.9$ $= 1.5$ $= 0.0$ 0.4 0.5 1.8 $= 5.2$ $= 2.9$ $= 0.5$ $= 1.5$ $= 0.5$ $= 1.5$ $= 0.5$ $= 1.5$ $= 0.5$ <	<1.0	<1.0	<1.0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Flortda Department of Environmental Protection - Bureau of Waste Cleanup - Pre-Approval Program - Remedial Action O&M Reporting

Table	7				-	GROI	GROUNDWATER ELEVATION TABLE	ATE	S ELE	EVATI	ON T	ABLE						
Facility Name:	QUALITY AMOCO 85	MOCO 85				Facility ID#:	# <u></u>		9850	98503098					Alt Measuremen' No Data = Blank	All Measurements = Feet No Data = Blank	a Faet	
Well No.		CW-1			CW-2			CW-3			CW-4			MW-5			9-WW	Γ
Diameter (inches)		4			4			4			4			7			4	
Well Depth		10.00			10.00			10.00			10.00			12.00			12.00	
Screen Interval		2 to 10			2 to 10			2 to 10			8 to 10			2 to 12			2 to 12 .	
TOC Elevation		20.00			19.94			19.41			19.36			19.27			19.67	
DATE	I ELEV	DTW	FP	ELEV	DTW	FP	ELEV	MTd	ЕР	ELEV	DTW	ΕĿ	ELEV	DTW	ЕР	ELEV	MTD	FP
02/20/1990	15.56	4.44		15.41	4.53		15.65	3.76					15.52	3.75		14.82	4.85	
12/11/1992	15.45	4.55		15.22	4.72		15.18	4.23		15.52	3.84		15.79	3.48		15.42	4.25	
04/10/1996	15.98	4.02		15.89	4.05		15.91	3.50		15.96	3.40		15.92	3.35		15.95	3.72	
10/09/1996	17.35	2.65		16.92	3.02		16.83	2.58		17.16	2.20		17.12	2.15		16.93	2.74	
03/31/1997	16.20	3.80		16.09	3.85		16.06	3.35		16.30	3.06		16.22	3.05		16.17	3.50	
10/16/1997	15.05	4.95		15.83	4.11		15.89	3.52		16.18	3.18		16.16	3.11		15.97	3.70	
04/08/1998	16.45	3.55		16.42	3.52		16.37	3.04		16.57	2.79		16.41	2.86		16.43	3.24	
10/16/1998																		
10/21/1998	15.98	4.02		15.76	4.18		15.89	3.52		16.34	3.02		16.13	3.14		15.85	3.82	
04/02/1999	15.68	4.32		15.54	4.40		15.83	3.58		16.18	3.18		15.81	3.46		14.70	4.97	
10/01/1999	16.83	3.17		16.78	3.16		16.80	2.61		17.04	2.32		17.01	2.26		16.81	2.86	
04/05/2000													15.46	3.81		14.72	4.95	
09/29/2000								_					14.82	4.45		14.63	5.04	
07/13/2001													17.22	2.05		17.26	2.41	
12/14/2001									-				15.97	3.30		15.80	3.87	
06/14/2002													16.47	2.80		16.49	3.18	
09/27/2002													17.42	1.85		17.36	2.31	
03/11/2003							-						16.22	3.05		16.27	3.40	

• >

Table	7					GRO	GROUNDWATER ELEVATION TABLE	ATEF	S ELE	VATIC	T NC	VBLE						
Facility Name:	QUALITY AMOCO 85	MOCO 85				Facility ID#:	- ;#0		98503098	860					All Measuremen No Data = Blank	All Measurements ≖ Feet No Data = Blank	Feet	
Well No.		WW			MW-8			De-WM		2	MW-10			MW-11				
Dlameter (inches)		4			4			4			2			7				
Well Depth		12.00			12.00			30.00			15.00			15.00	<u></u>			
Screen Interval		2 to 12			2 to 12		7	25 to 30			2 to 15			2 to 15				
TOC Elevation		20.13			20.03	-		19.89			19.42			19.33				1
DATE	ELEV	MTD	ЕÞ	ELEV	DTW	EP	ELEV	MLD	FP	ELEV	MTO	FP	ELEV	DTW	FP	ELEV	DTW	ЕÞ
02/20/1990	15.42	4.71		15.33	4.70		14.80	5.09			·							
12/11/1992	15.32	4.81		15.34	4.69		15.30	4.59										
04/10/1996	15.96	4.17		15.93	4.10		15.89	4.00				-						
10/09/1996	16.92	3.21		16.83	3.20		16.89	3.00	-			-						
03/31/1997	16.23	3.90		16.13	3.90		16.34	3.55										
10/16/1997																		
04/08/1998	16.41	3.72		16.39	3.64		16.43	3.46		_							_	
10/16/1998	16.15	3.98		15.87	4,16		15.86	4.03										
10/21/1998	16.08	4.05		15.78	4.25		15.80	4.09										
04/02/1999	15.91	4.22		15.68	4.35		15.55	4.34										
10/01/1999	17.03	3.10		16.82	3.21		16.79	3.10										
04/05/2000	15.28	4.85		15.10	4.93		14.95	4.94										
09/29/2000	14.61	5.52		14.47	5.56		14.47	5.42										
07/13/2001	17.18	2.95		17.27	2.76		17.29	-2.60		17.01	2.41		16.29	3.04				
12/14/2001	15.93	4.20		15.59	4.44		15.58	4.31		15.33	4.09	_	14.75	4.58				
06/14/2002	16.63	3.50		16.48	3.55	-	16.46	3.43		16.22	3.20		15.58	3.75				
09/27/2002	17.48	2.65		17.29	2.74		17.27	2.62		17.02	2.40		16.37	2.96				
03/11/2003	16.26	3.87		16.28	3.75		16.24	3.65		16.06	3.36		15.33	4.00				

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Pre-Approval Program - Remedial Action O&M Reporting

.

Site No. 79 Amoco #185 806 NE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503098

 \bigcap

	ce Bldg. • 26 Divi	00 Blair sion of V	J Environmental F . Jetion Stone Road • Tallahassee, Florida 32399-2400 Waste Management oleum Storage Systems	
Storage	Tank Fac	cility C	Compliance Inspection Report	
8503098				
Facility ID	County [4	29	CITRUS Inspection Date	7/3/01
Facility Name AMOCO #18	FS		Facility Type A-	RETAIL
Latitude 28°53'59"	Longitude	82	<u>°35'26"</u> L/L Method A	-GPS
Check box to identify type of inspection performed. Provide Lat/Long Determination Method. ("Map", ' Provide the count of USTs and/or ASTs reviewed du	'AGPS" (Mag	gellan), '		ATSs aspected
Compliance Inspection (Annual)	TCI	\times	Installation Inspection	TIN
Compliance Inspection (DRF received)	TCDI		Closure Inspection	TXI
Compliance Inspection (Complaint received)	TCPI		Compliance Re-Inspection	TCR
Discharge Evaluation ("short form")	TDI		** Record the results of the TDI in a Discharge I	Project
• "Code" in block below corresponds to the Rule Cite; rep	presents a Data	Entry Cod	le for ease of electronic data recording of inspection results.	
Rule Cite Description / In	spector's	Comm	ents	Code
SEE	PAGE	ES	#2+3	
	1		-	
Con	Com		16	
	COVV	17e	NTD.	
			······································	
			· ·	
Einen siel Besponsibility - Verify owner's sovera	a Salact I		e or Other, and provide Mechanism, if appropriat	
	•			
Insurance Carrier:			Effective Date: $\underline{\mathcal{S}/1/\mathcal{OO}}$ Expiration Date:	131/2001
Other Coverage meeting federal financial r	esponsibility	requirer	nents. Mechanism:	. /
		-		
None				
Based upon the inspection results and information Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	X Yes		wner/operator, this facility appears to meet the re O No O CWOE - Compliance without ction of the non-compliance items noted	
	ALTZ		<u>552-527-5289</u>	
Storage Tank Program Office			Storage Tank Program Office Phone Number	
Inspector Name - Please Print			Facility Representative Name – Please Print	
MIS	_/ /	$\left(\right)$		
aste m	7/3/0	\angle	West- Will	
1ctor Signature & Date	. /		Facility Representative Signature & Date	
				1 2

Page	of

un orenant a Tuge Systems ge Tank Facility Compliance Inspection Report ty Name: AMOCO #185 Facility ID: 8503098 Date: 7/3/01 **Description / Inspector's Comments** * 2001-2002 Placerd is on hand. along with an RDRL X The dispensed lines and the Cathodic rectifies readings are cleated d cocumented monthly. X the Soil to structure test was lest done by AAA Tank Testors on 11/8/2020 test is next due 11/8/2001. XALL STANKS were Tistness tested by HYTech petroleum 12-13-99.all passed. Next test is die by 12-13-02. X Release detection is S.I.R. by Simmars Version 5.7 C.M. All SIR Reports have been passing Since lest year except Diesel and Premium UL were inconclusive August 2000. × Current Rectifier readings as of 7/3/2001 are 22 VOHS + 0.5 AMPS-Page Q of 3

3

ge Tank Facility Compliance Inspection Report

ility Name: $A \mod \# 185$ Facility ID: 8.503098 Date: 7/3/01

Description / Inspector's Comments * Dispense Line Conditions. # DRY, # Dry w/some Accumulated Sand. # 3/4 DRy. # 3 DRy. # DRy. # (1/2) DRy, # 3/4(2) DRy. # 5/6 DRy. * All Piping has a check Value installed beneath the dispenser. X All fills are Market Pel Api 1637. Diesel Spill bucked is wet with less then one inch of accomulated liquid. promium UL Spill bucket is dig. Both Reg. UL Spill buckets aredig Midgrade UL Spill bucket 15 dry All GIIS are equipped with flow Shut off drop tobes. XThere were ten observation wells located at this Site 4 have been proposly Closed 2/2/2000, however Six wells remain open X an over all site ploto was taken and added to the file.

Page 3 of 3

 $\overline{}$



B

April 29, 2003

Mr. Michael Webb, P.E. Florida Department of Environmental Protection Petroleum Cleanup Section, Mail Station 4530 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Re: Second Semi-Annual Natural Attenuation Monitoring Report Quality Amoco #85 806 Northeast US Highway 19 Crystal River, Citrus County, Florida FDEP Facility ID #: 098503098 FDEP Work Order #: 2002-93-0352 Handex Project: 111432.009	UREAU OF PETROLEUM STORMOE CYSTEMS 13 APR 30 PH 11:59 ETROLEUM CLEANUP SECTION 3
---	---

Dear Mr. Webb:

Handex of Florida, Inc. (Handex) has completed the second semi-annual groundwater sampling event at the above-referenced site as outlined in Florida Department of Environmental Protection (FDEP) pre-approval work order number 2002-93-0352-0. This is the second deliverable associated with the work order. The following is a summary of activities conducted for this monitoring period. A site plan of the facility is presented as **Figure 1**. A copy of the work order is presented in **Appendix A**.

GROUNDWATER QUALITY MONITORING

Groundwater samples were collected on March 11, 2003 from monitoring wells MW-10 and MW-11. Groundwater samples were analyzed by ELAB of Ormond Beach, Florida using United States Environmental Protection Agency (USEPA) Method 8021 for total volatile organic aromatics (VOAs) including methyl tert-butyl ether (MTBE). Laboratory analyses reported benzene and MTBE above Groundwater Cleanup Target Levels (GCTLs) as outlined in Table 1, Chapter 62-777, Florida Administrative Code (F.A.C.) in the groundwater sample collected from MW-11. Laboratory analyses reported benzene above its GCTL, in the groundwater sample collected from MW-10. Other compounds analyzed in the groundwater samples collected from MW-10 and MW-11 were reported below laboratory detection limits (BDL) or below GCTLs. A groundwater concentration map is presented as **Figure 2**. Groundwater analytical data are summarized in **Table 1**. Copies of the laboratory analytical report and groundwater sampling logs are presented in **Appendix B**.

Mr. Michael Webb, P.E. Quality Amoco #85 FDEP Facility ID #: 098503098 April 29, 2003

Page 2

WATER-TABLE ELEVATION MONITORING

In conjunction with the collection of groundwater samples, water table measurements were collected from existing site monitoring wells on March 11, 2003. Liquid phase hydrocarbons (LPH) were not detected. Figure 3 is a contoured water table elevation map depicting the groundwater flow direction on March 11, 2003. Water table elevation data are presented in Table 2.

SUMMARY

The results of the March 11, 2003 sampling event reported the benzene concentration in MW-10 and MW-11 above its GCTL. The MTBE concentration was reported above its GCTL in MW-11. Other compounds analyzed in the groundwater samples collected from MW-10 and MW-11 were reported BDL or below GCTLs.

Based upon the current distribution of hydrocarbon impacted groundwater, groundwater flow direction, and proximity to a City of Crystal River public supply well, Handex recommends that one monitoring well be installed downgradient of MW-11 in the concrete area south of the service bay. Because it has been nearly two years since comprehensive groundwater sampling has been performed, Handex recommends a full round of sampling of the site wells following well installation. At that time, Handex will make an assessment concerning the need to supplement natural attenuation monitoring (NAM) with an alternative remedial strategy. This deliverable concludes the work under the present work order. Upon FDEP approval, Handex will submit a proposal for the recommended next scope of work.

As always it is a pleasure working with the Florida Department of Environmental Protection. If you have questions or comments concerning the report please feel free to contact the undersigned at (352) 735-1800.

Respectfully submitted,

HANDEX OF FLORIDA, INC.

blogist sdin@handexmail.com

isa C. Ray, P.G.

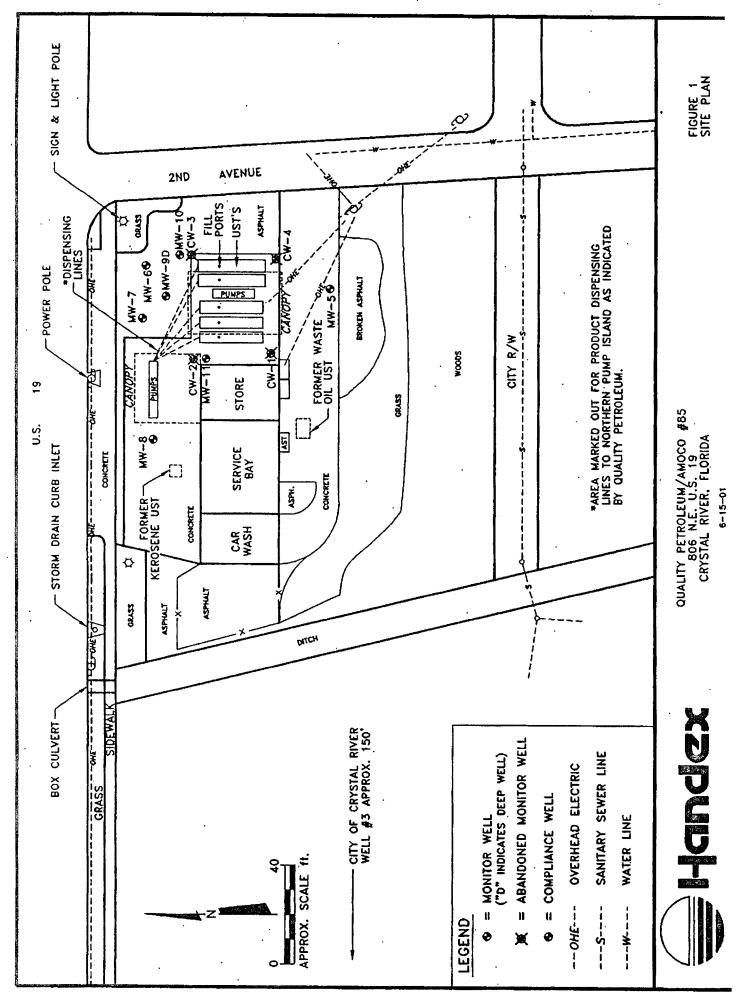
Senior Hydrogeologist Iray@handexmail.com

cc: Mr. Steve Weeks, Quality Petroleum, P.O. Box 3889, Lakeland, Florida, 33802 Project File 111432.009

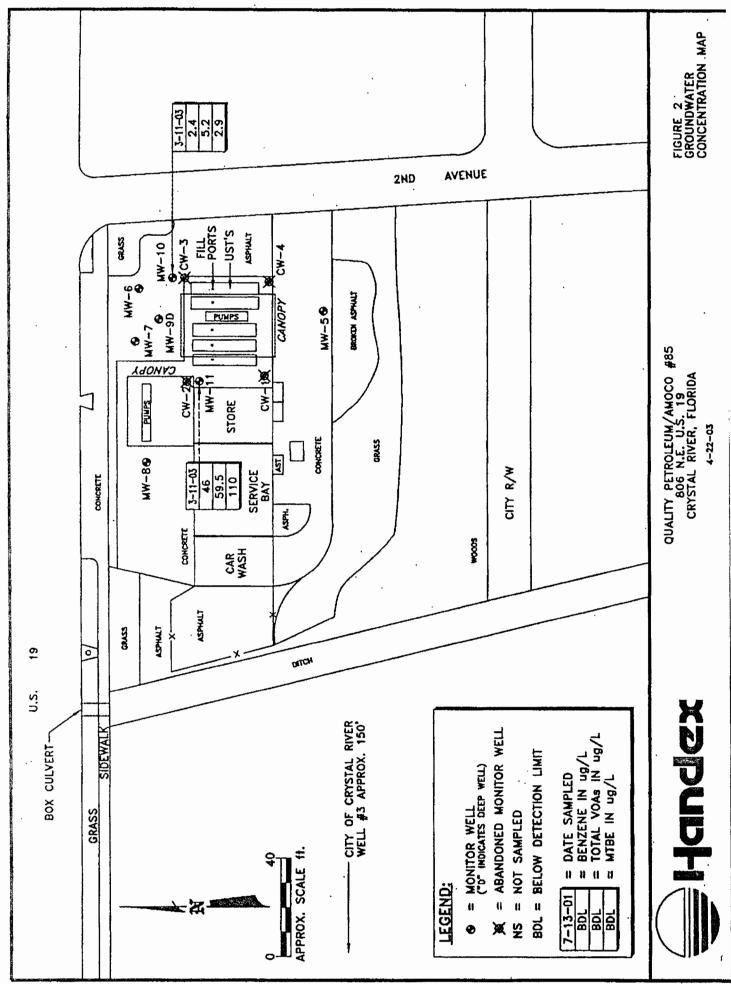


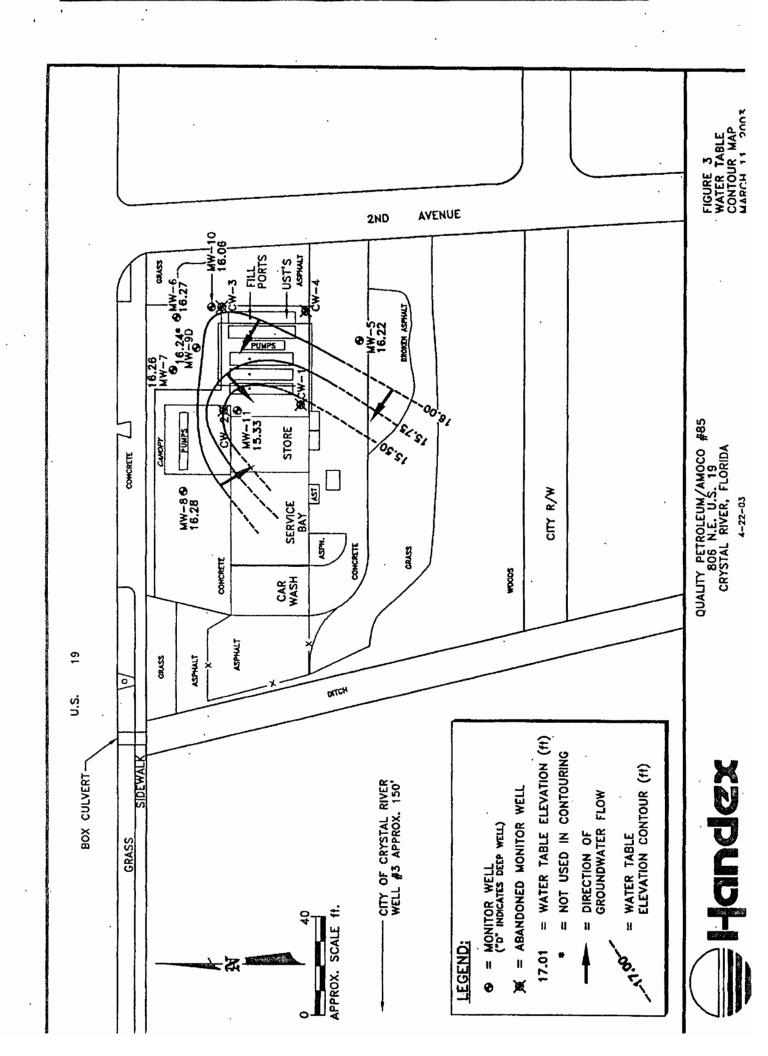
FIGURES

ú



`





TABLES

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Petroleum Cleanup Section

.

•

.

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

									12427		Total	
Sample I Date	Benzene	Toluene	Ethyi Benzene	Total Xylenes	Total VOA	MTBE	iotal Naphthalenes	Fotal PAHs	lotal Lead	Uissoived Lead	l otal VOH	ED8
02/20/1990	BDL	BDL	BOL	BDL	BDL	44.00	SN	NS	BDL	BDL	SN.	0.02
12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS
04/10/1996	BDE	BDL	BDL	BDL	BDL	1.40	NS	NS	NS	SN	NS	NS
10/09/1996	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS	NS	NS
03/31/1997	BDL	BDL	BDL	BDL	BDL	89.00	NS	NS	NS	NS	SN	SN
10/16/1997	BDL	BDL	BDL	BDL	BDL	1.90	NS	NS	NS	NS	NS	NS
04/08/1998	BDL	BDL	BDL	BDL	BDL	1.80	NS	NS	NS	SN	NS	NS
10/21/1998	BDL	BDL	BDL	BDL	BDL	3.6	NS	NS	NS	SN	NS	NS
04/02/1999	<0.5	<0.5	<0.5	<0.5	BDL	1.5	NS	NS	NS	SN	SN	SN
10/01/1999	<0.5	<0.5	<0.5	<0.5	BOL	2.6	NS	NS	NS	SN	NS	SN
					1							
02/20/1990	54.0	3.20	1.70	14.00	72.90	240.00	SN	SN	0.03	0.06	NS	BDL
12/11/1992	1.0	BDL	BDL	BDL	1.00	32.00	BDL	BDL	NS	SN	NS	NS
04/10/1996	1.6	4.50	1.10	7.00	14.20	25.00	NS	NS	NS	SN	NS	NS
10/09/1996	12.0	1.00	06.0	1.60	15.50	12.00	NS	SN	NS	SN	NS	NS
03/31/1997	14.0	1.00	BDL	2.10	17.10	23.00	NS	NS	NS	SN	NS	NS
10/16/1997	6.1	BDL	BDL	1.89	7.89	13.00	NS	NS	NS	SN	NS	NS
10/16/1997	10.0	0.68	0.58	2.11	13.37	24.00	NS	NS	NS	NS	NS	NS
04/08/1998	4.4	0.61	0.50	4.0	9.51	21	NS	NS	NS	SN	NS	NS
10/21/1998	4.2	0.65	BDL	2.38	7.23	41	NS	NS	NS	SN	NS	NS
04/02/1999	1.7	<0.5	<0.5	<0.5	1.7	17	SN	NS	NS	SN	NS	NS
10/01/1999	19	<0.5	0.87	1.52	21.39	16	NS	NS	NS	NS	SN	NS
02/20/1990	6.9	BDL	BDL	5.10	12.00	88.00	NS	NS	0.01	BDL	NS	BDL
12/11/1992	290.0	6.00	22.00	31.00	349.00	25.00	BDL	BOL	NS	NS	SN	SN
04/10/1996	34.0	1.70	2.60	6.60	44.90	16.00	NS	NS	NS	NS	NS	SN
10/09/1996	4.5	2.40	1.60	2.80	11.30	14.00	NS	NS	NS	NS	NS	SN
03/31/1997	12.0	1.20	0.80	2.30	16.30	5.20	NS	NS	NS	NS	NS	NS
10/16/1997	5.9	1.3	F	4.80	13	8.3	NS	SN	NS	SN	NS	NS
04/08/1998	33.0	2.9	1.6	5.59	43.09	48	NS	NS	NS	NS	NS	NS
10/21/1998	61	4.1	15	7.20	87.3	56	NS	NS	NS	NS	NS	NS
04/02/1999	35	1.5	3.2	5.23	44.93	23	NS	NS	NS	NS	NS	NS
10/01/1999	3.1	0.69	0.82	2.68	7.29	3.3	NS	SN	SN	NS	SN	NS
								-		-		

Florida Department of Environmental Protection – Bureau of Waste Cleanup – Petroleum Cleanup Section

_____ ,

•

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility ID#: 098503098

Not Sampled = NS Analytical Results = D

Sa	Sample			Ethyl	Total	Total		Total	Total	Total	Dissolved	Total	
Location	Date	Benzene	Toluena	Benzene	Xylenes	VOA	MTBE	Naphthalenes	PAHs	Lead	Lead	нол	ED8
	02/20/1990	1.5	6.10	BDL	2.50	10.10	28.00	SN .	NS	0.01	BDL	NS	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	2.00	BDL	BDL	SN	SN	NS	SN
1	04/10/1996	BDL	BDL	BDL	BDL	BDL	2.40	NS	SN	SN	NS	NS	SN
Γ	10/09/1996	SN	NS	SN	NS	NS	NS	NS	NS	NS	NS	NS	SN
1	03/31/1997	SN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1	04/02/1999	SN	NS	NS	NS	NS	NS	NS	SN	NS	NS	NS	SN
	10/01/1999	<0.5	<0.5	<0.5	<0.5	BDL	1.9	SN	NS	NS	NS	NS	NS
								_		·			
	02/20/1990	BDL	2.80	8DL	3.00	5.80	300.00	SN	NS	0.01	BDL	NS	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	SN	NS	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	1.40	SN	NS	SN	NS	NS	NS
ſ	10/09/1996	SN	NS	SN	NS	NS	NS	NS	SN	NS	NS	NS	NS
	03/31/1997	NS	NS	NS	SN	NS	SN	NS	NS	NS	SN	NS	NS
	04/02/1999	NS	NS	NS	SN	NS	NS	SN	NS	NS	NS	NS	NS
T	10/01/1999	SN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/05/2000	<0.50	<0.50	<0.50	BDL	BDL	1.20	NS	NS	SN	NS	NS	SN
	09/29/2000	<1.0	<1.0	<1.0	BDL	BDL	· <1.0	NS	SN	SN	NS	NS	SN
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	<1.0	SN	SN	SN	NS	NS	NS
MW-6	02/20/1990	BDL	BDL	BDL	BDL	BDL	BDL	NS	SN	0.01	BDL	BDL	BD
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	sz	SN	SN	SS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	BDL	NS	SN	NS	NS	SN	SN
	10/09/1996	SN	SN	NS	NS	NS	NS	NS	SN	SN	SN	NS	SN
	03/31/1997	SN	SN	SN	SN	NS	SŅ	NS	NS	NS	NS	NS	NS
	04/02/1999	SN	NS	NS	NS	NS	NS	NS	SN	SN	NS	NS	SN
	10/01/1999	sz	SN	NS	SN	NS	NS	NS	NS	NS	NS	NS	NS
	09/29/2000	<1.0	<1.0	<1.0	BDL	BDL	<1.0	NS	NS	SN	NS	NS	SN
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	<1.0	NS	NS	SN	NS	NS	SN
							-						

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Petroleum Cleanup Section

•

•

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility ID#: 098503098

Not Sampled = NS Analytical Results = ppb .

											Not Installed = Ni	ÎN = I	
	Sample			Ethyl	Total	Total		Total	Total	Total	Dissolved	Total	
Location	Date	Benzene	Totuene	Benzene	Xylenes	VOA	MTBE	Naphthalenes	PAHs	Lead	Lead	нол	EDB
7-WM	02/20/1990	2.0	BDL	5.30	1.70	9.00	260.00	NS	NS	0.01	BDL	BDL	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	2.50	NS	NS	SN	SN	SN	NS
	10/09/1996	NS	. SN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/31/1997	SN	NS	NS	NS	SN	SN	SN	SN	NS	SN	NS	NS
	04/02/1999	NS	NS	NS	NS	NS	NS	NS	SN	NS	SN	SN	NS
	10/01/1999	SN	NS	SN	SN	NS	NS	NS	SN	NS	NS	SN	NS
	04/05/2000	0.63	<0.50	<0.50	BDL	0.63	5.50	NS	SN	NS	SN	NS	NS
	09/29/2000	<1.0	<1.0	<1.0	BDL	BDL	3.9	SN	NS	NS	SN	NS	NS
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	3.7	SN	NS	NS	SN	NS	NS
MW-8	02/20/1990	13.0	BDL .	BDL	27.00	40.00	120.00	SN	NS	0.01	BDL	BDL	BOL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	JOB	BDL	NS	SN	NS	NS
	04/10/1996	BDL	BDL	BDL	BDL	BDL	1.80	SN	SN	SN	SN	NS	NS
	10/09/1996	SN	· NS	NS	NS	NS	SN	NS	NS	NS	NS	SN ·	NS
	.03/31/1997	NS	NS	NS	NS	NS	NS	NS	SN	NS	NS	NS	NS
	04/02/1999	NS	SN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/01/1999	NS	NS	NS	NS	NS	SN	NS	NS	NS	. SN	NS	NS
	04/05/2000	<0.50	<0.50	<0.50	BDL	BDL	1.40	NS	NS	NS	SN	NS	NS
	09/29/2000	<1.0	€1.0	2.50	BDL	2.50	<1.0	NS	NS	NS	NS	NS	NS
	07/13/2001	<1.0	<1.0	<1.0	BDL	BDL	2.2	NS	NS	NS	NS	NS	NS

Florida Department of Environmental Protection -- Bureau of Waste Cleanup -- Petroleum Cleanup Section

TABLE 1: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: QUALITY AMOCO #85

Facility ID#: 098503098

Analytical Results = ppb Not Sampled = NS

EDB

NS NS NS

ŝ

SN NS NS

SN

NS

											Analytical Results = p Not Installed = NI	ssuits = f = Ni
ŝ	Sample			Ethyl	Total	Total		Total	Fotal	Total	Dissolved	Total
Location	Date	Benzene	Toluene	Benzene	Xylenes	VOA	MTBE	Naphthalenes	PAHs	Lead	Lead	нол
DQ-WM	02/20/1990	1.3	1.80	BOL	5.40	8.50	BDL	NS	NS	BDL	BDL	BDL
	12/11/1992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	SN	NS
	04/10/1996	BDL	0.80	BDL	1.20	2.00	1.00	NS	SN	NS	SN	NS
	10/09/1996	5.2	BDL	BDL	BDL	5.20	3.10	NS	NS	SN	SN	NS
	03/31/1997	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	SN	SN
	10/16/1997	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	NS	NS
	04/08/1998	BDL	BDL	BDL	BDL	BDL	BDL	NS	SN	NS	SN	NS
	10/21/1998	BDL	าตย	BDL	BDL	BDL	1.20	NS	NS	NS	SN	NS
	04/02/1999	<0.5	<0.5	<0.5	<0.5	BDL	<0.5	NS	NS	NS	NS	NS
	10/01/1999	SN	NS	NS	NS	NS	SN	SN	SN	NS	SN	NS
	09/29/2000	<1.0	<1.0	<1.0	BDL	BDL	<1.0	NS	NS	NS	NS	NS
	07/13/2001	<1.0	<1.0	<1.0	BOL	BDL	<1.0	NS	NS	NS	SN	SN
				•								
MW-10	07/13/2001	16	<5.0	25	BDL	41	<5.0	SN	SN	NS	SN	NS
	12/14/2001	11	1.8	6.0	2.3	21.1	<1.0	NS	NS	SN	NS	NS
	06/14/2002	<1.0	0.4	<1.0	0.5	0.9	1.5	NS	SN	NS	NS	SN
	09/27/2002	4.5	0.9	1.5	2.8	9.7	6.0	NS	SN	SN	SN	SN
	03/11/2003	2.4	0.4	0.6	1.8	5.2	2.9	NS	SN	SN	SN	NS
MW-11	07/13/2001		5.3	9.3	6.9	40.5	<1.0	SN	SN	NS	NS	NS
	12/14/2001	25	2.6	1.2	10.6	39.4	65	NS	NS	SN	NS	NS
	06/14/2002	14	3.2	1.2	4.3	22.7	51	SN	NS	NS	NS	NS
	09/27/2002	23	2.8	8.0	16	49.8	2	SN	SN	SN	NS	NS
	03/11/2003	46	3.8	-	8.7	59.5	110	NS	SN	SN	NS	SN
												i

Florida Department of Environmental Protection – Bureau of Waste Cleanup – Pre-Approval Program – Remedial Action O&M Reporting

	4					ノビク	KUUNUVVAIEK ELEVAIIUN IABLE	NAID		EVAII		ABLI	14					•
Facility Name:	QUALITY AMOCO 85	MOCO 8				Facilit	cility ID#:		985(98503098		-			All Meas	All Measurements ≃ Feet	a Feet	
															No Data = Blank	= Blank		
Well No.		CW-1			CW-2			CW-3			CW-4			MW-5			9-WM	
Dlameter (inches)		4			4			4			4			7			4	
Well Depth		10.00			10.00			10.00			10.00			12.00	_		12.00	
Screen Interval	-	2 to 10			2 to 10			2 to 10			8 to 10			2 to 12			2 to 12 .	
TOC Elevation		20.00			19.94			19.41			19.36			19.27			19.67	
DATE	FLEV	MTD	ΕP	ELEV	DTW	EP	ELEV	DTW	FP	ELEV	WIG	έÞ	ELEV	DTW	ЕР	ELEV	MTD	·
02/20/1990	15.56	4.44		15.41	4.53		15.65	3.76					15.52	3.75		14.82	4.85	
12/11/1992	15.45	4.55		15.22	4.72		15.18	4.23		15.52	3.84		15.79	3.48		15.42	4.25	
04/10/1996	15.98	4.02		15.89	4.05		15.91	3.50		15.96	3.40		15.92	3.35		15.95	3.72	
10/09/1996	17.35	2.65		16.92	3.02		16.83	2.58		17.16	2.20		17.12	2.15		16.93	2.74	
03/31/1997	16.20	3.80		16.09	3.85		16.06	3.35		16.30	3.06		16.22	3.05		16.17	3.50	
10/16/1997	15.05	4.95		15.83	4.11		15.89	3.52		16.18	3.18		16.16	3.11		15.97	3.70	
04/08/1998	16.45	3.55		16.42	3.52		16.37	3.04		16.57	2.79		16.41	2.86	_	16.43	3.24	
10/16/1998																		
10/21/1998	15.98	4.02		15.76	4.18		15.89	3.52		16.34	3.02		16.13	3.14		15.85	3.82	
04/02/1999	15.68	4.32		15.54	4.40		15.83	3.58		16.18	3.18 .		15.81	3.46		14.70	4.97	
10/01/1999	16.83	3.17		16.78	3.16		16.80	2.61		17.04	2.32		17.01	2.26		16.81	2.86	
04/05/2000		_											15.46	3.81		14.72	4.95	
09/29/2000													14.82	4.45		14.63	5.04	
07/13/2001													17.22	2.05		17.26	2.41	
12/14/2001	_												15.97	3.30		15.80	3.87	
06/14/2002													16.47	2.80		16.49	3.18	
09/27/2002													17.42	1.85		17.36	2.31	
03/11/2003													16.22	3.05		16.27	3.40	

-

.

•

• >

.

.

Table	7					GRO	GROUNDWATER ELEVATION TABLE	VATEI	R ELE	EVATI	ON T.	ABLE						
Facility Name:	QUALITY AMOCO 85	MOCO 85				Facility ID#:	:#OI		9850	98503098					All Measuremen' No Data ≃ Blank	All Measurements ≂ Feet No Data ≃ Blank	: Feet	
Well No.		7-WM			MW-8			Q6-WM			MW-10	Γ		MW-11				
Diameter (inches)		4			4			4			2			2				
Well Depth		12.00			12.00			30.00			15.00			15.00				
Screen Interval		2 to 12			2 to 12			25 to 30			2 to 15			2 to 15				
TOC Elevation		20.13			20.03			19.89	-		19.42			19.33				
DATE	ELEV	DTW	ЕР	ELEV	DTW	EP 1	ELEV	DTW	ΕÞ	ELEV	DTW	EP .	ELEV	MID	БР	ELEV	MID	đ
02/20/1990	15.42	4.71		15.33	4.70	T	1	5.09	T		•							
12/11/1992	15.32	4.81		15.34	4.69		15.30	4.59										
04/10/1996	15.96	4.17		15.93	4.10		15.89	4.00										
10/09/1996	16.92	3.21		16.83	3.20		16.89	3.00										
03/31/1997	16.23	3.90		16.13	3.90		16.34	3.55										
10/16/1997																		
04/08/1998	16.41	3.72		16.39	3.64		16.43	3.46										
10/16/1998	16.15	3.98		15.87	4.16		15.86	4.03										
10/21/1998	16.08	4.05		15.78	4.25		15.80	4.09										
04/02/1999	15.91	4.22		15.68	4.35		15.55	4.34										
10/01/1999	17.03	3.10		16.82	3.21		16.79	3.10										
04/05/2000	15.28	4.85		15.10	4.93		14.95	4.94										
09/29/2000	14.61	5.52		14.47	5.56		14.47	5.42							•			
07/13/2001	17.18	2.95		17.27	2.76		.17.29	-2.60		17.01	2.41		16.29	3.04				
12/14/2001	15.93	4.20		15.59	4.44		15.58	4.31		15.33	4.09		14.75	4.58				
06/14/2002	16.63	3.50		16,48	3.55		16.46	3.43		16.22	3.20		15.58	3.75				
09/27/2002	17.48	2.65		17.29	2.74		17.27	2.62	_	17.02	2.40		16.37	2.96			•	
03/11/2003	16.26	3.87		16.28	3.75		16.24	3.65		16.06	3.36		15.33	4.00				

Florida Department of Environmental Protection - Bureau of Waste Cleanup - Pre-Approval Program - Remedial Action O&M Reporting

•

Site No. 80 City of Crystal River Water Tower 524 NE First Avenue Crystal River, Florida FDEP I.D. No. 098628468

٠.

ALORIDA

DEPARTMENT OF DEVELOPMENT SERVICES 1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

JITAUS COUNTY

In reply, refer to:

December 4, 1990

Mr. Bernie Hilgenberg City of Crystal River 123 N.W. Hwy. 19 Crystal River, Florida 32629

Ref. Fac.# 098628468 Crystal River Well & 1 Water Tank

Dear Mr. Hilgenberg,

Attached are the 17-61 Florida Administrative Code compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-61, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank system's. Also see comments on front page of inspection report.

If you have any questions concerning this letter, please feel free to call us at (904)746-1135.

Sincerely,

Fuel Tank Inspector

RTS/jf

Contraction of the	AND THE PROVIDENCE	Pollu	partment of tant Sto	orage T	la Tal Regulation Tank Sy ort Forr	stem	•	
Eacility ID No :	09	62841	8	11		Count	y: CITRU	1
Facility ID No.: Facility Name: Facility Location:	UNI	TRANKA	WELL	FI WA	TAL DINS.	N. FL.3	2624	
Operator:	JERNIE	E HILGEN	BERLY				a: 795 4/2	
Owner:	<u>53'55"</u>	M. Longitud	e 82 ° 35	' 30''W Sec			e: Bange	
								·
Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status
	1003		XX/va	U.	C	VI	of T	A
	6.15	1	V V /xy	\cup	C	T	&/ T	A
· · · · · · · · · · · · · · · · · · ·		<u> </u>				· · · · · · · · · · · · · · · · · · ·		
Comments:		C FI BANIN N MÉ.			CMATE SPORT W	·	TOURED AT	
Complaint Initial EDI Public Well DER District:	Response I Field	Installa Tank F Unreg	Removal istered		Abandoned Aboveground GovtFederal GovtOther Program: CITRU J	COUNTY	Non-retail Retail Retrofit (M. or Retrofit (L. or I <u>A</u> gnature & Date	R.)

Site No. 81 Dixie Automotive 846 NE Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098842217



CITRUS COUNTY

DEPARTMENT OF DEVELOPMENT SERVICES

1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

November 22, 1991

Mr. Ed Austin Penninsular Motor Club P.O. Box 31087 Tampa, Florida 33631-31087

Ref. Fac. # 098842217 Dixie Automotive 846 US 19 N. Crystal River, Florida 32629

Dear Mr. Austin,

Attached are the 17-761 Florida Administrative Code Compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-761, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank system. Also please see comments on front page of inspection report.

If you have any questions concerning this matter, feel free to call upon me.

Sincerely,

Richard T.

Fuel Tank Inspector Citrus County Fire Prevention

RTS/jf

Building Division (904) 746-4222 Development Review Division

Fire Prevention Division (904) 746-1335

Planning Division

1 in the					E TANK SYSTE		n a mar	
1		2.5	SPEL COA	nternitis i tra	1944 - 19427 1	formal di	PADI: 10	
FACILITY					00	CUNTY: CITRU	S .	
FACILITY				و بندی منبع منبع اور او منبع او م	16 2 2 2000 2000,			ř
CILITY R: /	CONTACT PENINSUL	; PENISU AR Motor	LAR MOTO CL <i>UB</i>	CRYSTAL RI R CL <i>UB</i> PA, FL, JI	PI PI	10NE: (813) 10NE: (813)		•
OWNER COM						ER CHANGE DA	TE 0070070	<i>a</i>
LATITUD	E;28-54-	-03 FDV	IGITUDE:8	2-36-02	FAC T	PE: NON-RET	AIL BUSINE	SS
			INSTALL	UNDER OR	TANK	INTEGRAL	MONITORIN	G TAN
TANK #	SIZE	CONTENT		ABOVE	TYPE	PIPING	SYSTEM	STA
1	3000	<i>A</i>	XX/XX	U	\mathcal{D}	Y	× .	2
2	3000	A	XXZXX	. U	Ð	Y	Y	<u>7</u> 3
3	3000	B	XXZX	U	\mathcal{D}	¥.	Y	\mathcal{B}
4	3000	В	XXZXX	ti	D	Y	Y	\mathcal{B}
5	350	L	××/××	A	C	4	X	ß
ζų	250	Z	XXXXX	ß	Ċ	7	×	B

COMMENTS: O Z = WARER O TANKS 1, 2, 3 & 4 EXCAVATED & REMIVES FROM SITE 11/88 PER EDI CHECHLIST OF KARSS VANN 11/2/88 TANKS 5 \$ 6 REMOVED FROM SITE 6/91 (F) GARBAUE REDIVED FROM BALL OF STATION 8/51 COPY OF STORAGE TANK NOTIFICATION FORM 17-61.090 (3) ATTACHED COPI OF EDI CHECKLIST ATTACHED INSPECTION TYPE (CHOOSE ONE) SITE INFORMATION (ALL THAT APPLY) DISCHAPSE ___NEAR PUS WELT ___ REPAIRED RCUTIME CLOSURE INSTALL ___ CONTAMINATED UPGRADED UST & AST ABANDONED REINSPECT ___ COMPLAINT ___ ACID TANKS HAZARD MAT DER DISTRICT OR LOCAL PROGRAM; CITRUS COUNTY FIRE PREVENTION INSPECTOR NAME (PRINT) RICHARD J SOLVA CONTACT NAME (PRINT) JOSMA 11/2. /91 CONTACT'S SIGNATURE & DATE

'R FORM 761-01-91



GANNETT FLEMING, INC. Suite 150 7751 Belfort Parkway Jacksonville, FL 32256

Office: (904) 332-9400 Fax: (904) 332-9337 www.gannettfleming.com

May 12, 2003 File No.: 41771.001

Mr. Tim Foster Florida Department of Environmental Protection Petroleum Cleanup Team I Bureau of Petroleum Storage Systems 2600 Blair Stone Road, MS 4540 Tallahassee, Florida 32399-2400

> Re: General/SA Report AAA-Dixie Automotive 846 US HWY 19 North Crystal River, Florida FDEP Facility No. 098842217 Work Order No. 2003-91-0786-0

Dear Mr. Foster:

On behalf of AAA Insurance Company, Gannett Fleming, Inc. is submitting this General/SA Report to document groundwater conditions for the AAA Dixie Automotive facility in Crystal River, Florida. The work was completed as outlined in the Petroleum Preapproval Program Work Order No. 2003-91-0786-0. A copy of the approved work order is provided as Appendix A. The activities described herein were conducted during the April 24, 2003, site visit.

Site Location and Description

AAA Insurance Company's Dixie Automotive facility is located on the south side of U.S. Highway 19, approximately 0.5 miles west of SR 44 in Crystal River, Citrus County, Florida. The site occupies the lot between U.S. Highway 19 and the City of Crystal River's Water Supply Tower No. Three. The site's latitude is approximately 28 degrees, 54 minutes, 0 seconds North, and the longitude is approximately 82 degrees, 35 minutes, 0 seconds West. The site is shown on the U.S. Geological Survey (USGS) Crystal River, Florida 7.5 minute quadrangle in Section 21, Township 18 South, Range 17 East. Figure 1 shows the site location, topography, and surface drainage features. Figure 2 shows the site layout.

Continued.....

Gannett Fleming

1

Mr. Tim Foster Florida Department of Environmental Protection May 12, 2003

-2-

The site is currently inactive and formerly operated as a gas station. The site has been built up from the surrounding area which is predominantly flat marsh and wetlands. The property adjacent to the site is currently undeveloped with a creek located to the east.

Groundwater Level Determination

Water level measurements were recorded for each of the 4 groundwater monitoring wells. Each water level was measured to the nearest 0.01 inch using an electric water level meter (Table 1). Information from water level determination activities show groundwater to be flowing east-southeast (Figure 3).

Groundwater Monitoring Well Sampling

The 4 existing groundwater monitoring wells were sampled for BTEX and MTBE by EPA Method No. 8021B, PAHs by EPA Method No. 8310, total Pb by EPA Method No. 6010, and TRPHs by the FL-PRO method. Each well was purged and sampled using the slow-flow technique as described in the Standard Operating Procedures, 4th Edition, for the Florida Petroleum Preapproval Program (SOPs). Field measurements were recorded during purging of each well as required in the SOPs. Each sample was collected in laboratory-supplied containers, placed on ice, and transported to ELABS, Inc. for the above analysis. Groundwater sampling datasheets are provided in Appendix B.

Analytical results show benzene is the only constituent present above groundwater cleanup criteria as determined by Chapter 62-777 F.A.C. Benzene was detected in MW-3 at a concentration of 1.9 μ g/L (micrograms per liter). Table 2 and Figure 4 show the analytical results for the suite of groundwater monitoring wells sampled during the site visit. The laboratory analytical results are provided in Appendix C.

Conclusions and Recommendations

Based on hydrologic information, minimal groundwater contaminant impact, and the absorptive/cleansing nature of the surrounding environment (wetland) we recommend entering the facility into a Monitoring Only Program. A subsequent proposal and cost estimate detailing the program will be provided upon approval of this report.

Gannett Fleming

1

Mr. Tim Foster Florida Department of Environmental Protection May 12, 2003

-3-

It has been a pleasure working with you on this project and if you have any questions, please contact us at (904) 332-9400.

Sincerely,

GANNETT FLEMING, INC.

M.C.R.M.

Oren C. Reedy, C.P.S.S. Project Soil Scientist

Fredrie J. Puble

Fredric L. Pirkle, Ph.D., P.G. Project Geologist

Enclosures

Cc: Mr. Harold Lorentson, AAA Insurance Company



FL.. Department of Environmental Protection -- Bureau of Petroleum Storage Systems -- Preapproval Program -- Remedial Action OM /Site Assessment Reporting

۱

•

TABLE 1: GROUNDWATER ELEVATION SUMMARY

Facility Name: AAA Dixle Automotive

98842217 All h

Facility ID#:

All Measurements = Feet No Data = Blank

		MW-1			MW-2			WW-3			MW-4				
MEUL NU.		1 inch			1 inch			1 inch			1 inch				
WELL DEPTH		7 feet			7 feet			7 feet			5.3				
SCREEN INTERVAL		2 to 7 feet			2 to 7 feet			2 to 7 feet		ö	0.3 to 5.3 feet	et			
TOC ELEVATION		6.16 feet MSL	л И	5.	5.95 feet MSL	2	6.2	6.26 feet MSL		2	5.17 feet MSL	, ,			
			T					1150	ľ		MAR	8	EI EV	DTW	5
DATE	ELEV	ΜLO	đ	ELEV	MIQ	9	ELEV	MIN	ž	ELEV					
7/19/02	1	1	None	1.93	4.02	None	2.45	3.81	None	:	1	1			
10/23/02	2.34	3.82	None	2.61	3.34	None	2.51	3.75	None	2.06	3.11	None			
4/24/03	1.87	4.29	None	2.11	3.84	None	2.20	4.06	None	2.12	3.05	None			
										}					
										_		_			

.

Florida Department of Environmental Protection -- Bureau of Petroleum Storage Systems -- Preapproval Program -- Site Assessment Reporting

٩

TABLE 2: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility ID#:

Facility Name: AAA Dixie Automotive Work Order No. 2003-91-0786-0

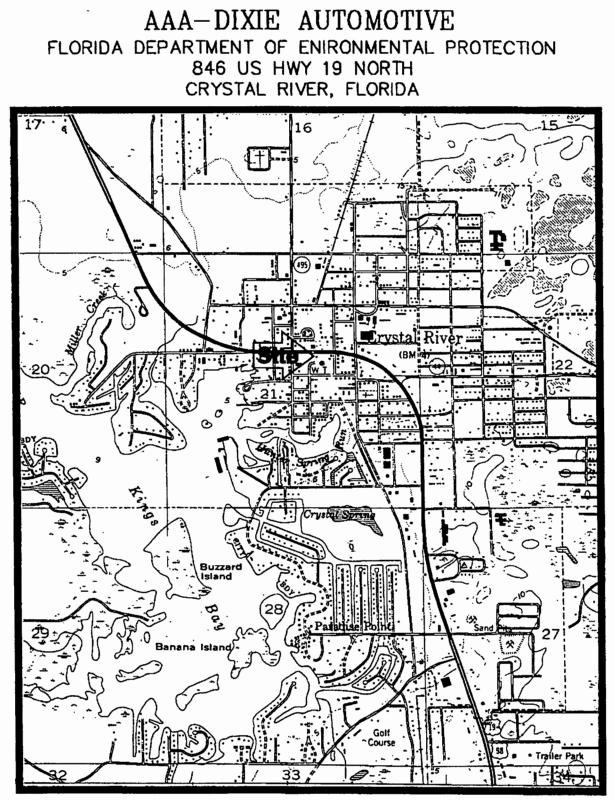
#: 98842217

Analytical Results = ppb

Not Sampled = NS

Sai	Sample			Ethyh	Total	Total			Total		Naph-	Chromium	1-Meth	2-Meth	Other
Location	Date	Benzene	Toluene	benzene	Xylenes	VOA	MTBE	EDB	Lead	SHTH	Inalene		1	1	
MW-1	7/19/2002	5	₽ ₽	₹	~	4	4	<0.02	19	990	4	NS	2	2	
	4/24/2003	0.0	~	0.9	1.4	3.3	4	NS	<5	890	⊽	NS	·<1.5	<1:5	
0704	000001/2	7	~	-	~	5	₽ ₽	<0.02	<10	1600	21	NS	12	5	
7	TODALC I			2.4	32	6.3	⊽	NS	ŝ	1361390	0 ∆ <1	SN	÷1.5	<1.5	
C.IAILO	2/10/00/02	7	, ,	-	SN	v	SN	<0.02	14	~200	<10	12	<10	<10	
?.M	2000/2/2/11		V		0.8	2.7	1.7	SN	Ş	160	₽ ₽	SN	<1.5	<1.5	
ATALA	CUNARANI	<u>}</u>	5 ⊽	-	SN	⊽	SN	<0.02	8	3800	<10	<10	<10	<10	
	APAPONS	7	V	V	⊽	⊽	⊽	SN	2.4	100/001	UQ <1	NS	<1.5	<1:5	
Watland	10/23/2002	; ⊽	5	~	SN	<100	SN	SN	<10	<200	<10	<10	<10	<10	
8-ML	1/24/1991		v	Ţ	⊽	<10	<10	SN	SN	SN	NS	SN	SN	NS	
UL ML	1/20/1991	7		V	⊽	-	SN	SN	ŝ	<0.2 ppm	NS	NS	NS	NS	
ANNAL 1	2/13/1001	SN	SN	SN	NS	SN	SN	NS	₽	SN	NS	NS	NS	NS	
C-MAN	2/19/1001	9 UV		6.0>	0.0>	5	<0.9	NS	\$5	SN	SN	NS	SN	NS	
NIN-3	2/13/1901	\$ 4	<10	ø	Ø	9	69	NS	Ŷ	SN	NS	NS	NS	NS	
ANAL-1	6/10/1001	90,	7	6.0>	6.0>	<0.6	<0.9	NS	SN	NS	NS	NS	NS	SN	
C.IANA	1001/01/3	902	; 7	6.0>	6.0>	<0.6	8	NS	NS	SN	SN	SN	NS	NS	
MW-3	6/10/1001	<12	\$	<1.8	<1.8	<1.2	<1.8	NS	NS	SN	SN	NS	SN	NS	
MM4-1	9/5/1991	40 B	~	<0.9	<0.9	<0.6	6.0>	NS	SN	SN	SN	NS	NS	NS	
CTANK	0/5/1001	9 U S	1	6.0>	<0.9	<0.6	<0.9	NS	NS	SN	NS	NS	NS	SN	
MW.3	9/5/1991	\$0.6	V	6.0>	<0.9	<0.6	6.0>	NS	SN	SN	NS	NS	SN	NS	
1-MM	12/2/1991	<0.6	¢	<0.9	<0.9	<0.6	<0.9	SN	SN	SN	NS	SN	NS	NS	
C-WW	12/2/1991	\$0 F	V	€0>	<0.9	<0.6	2	NS	SN	NS	NS	NS	SN	NS	
NW-3	12/1991	2	\$	<4.5	<4.5	Ş	<4.5	SN	NS	NS	SN	NS	SN	NS	
1-WM	2/20/1992	<0.6	⊽	<0.9	<0.9	<0.6	<0.9	NS	SN	NS	NS	SN	SN	SN	
MW-2	2/20/1992	<0.6	₽ V	<0.9	<0.9	<0.6	<0.9	NS	NS	NS	SN	NS	SN	SN	
MW-3	2/20/1982	3	\$	<4.5	<4.5	Ş	<4.5	SN	NS	NS	SN	SN	SN	SN	

Gannett Flemin



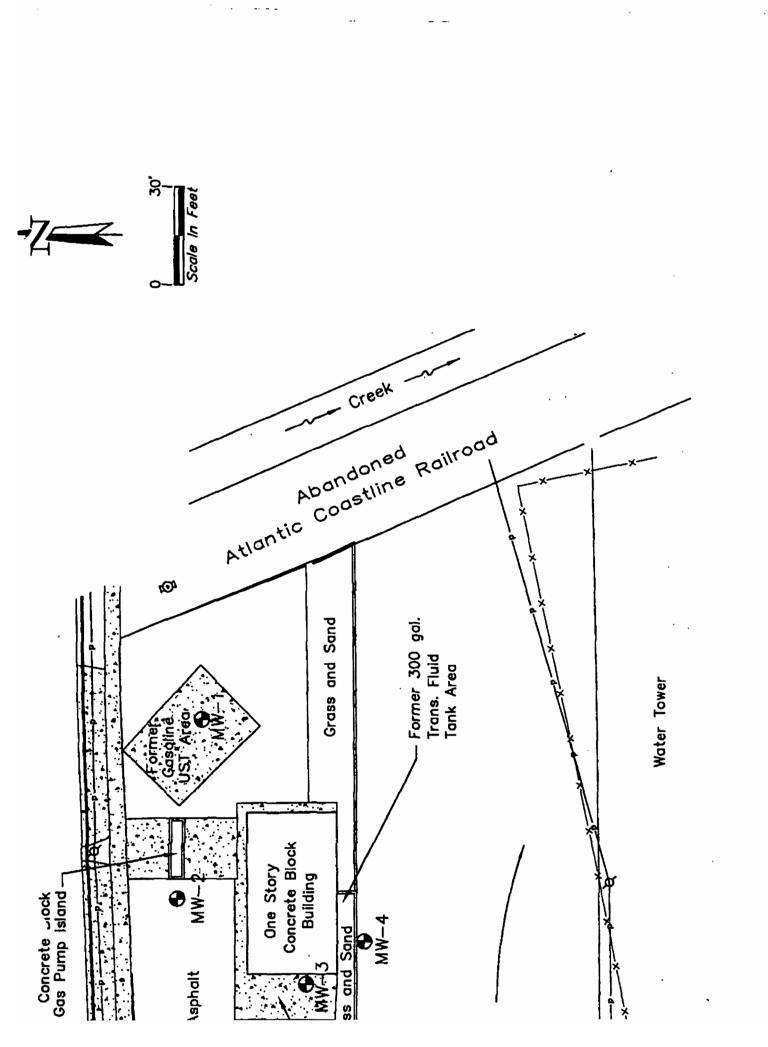
,:

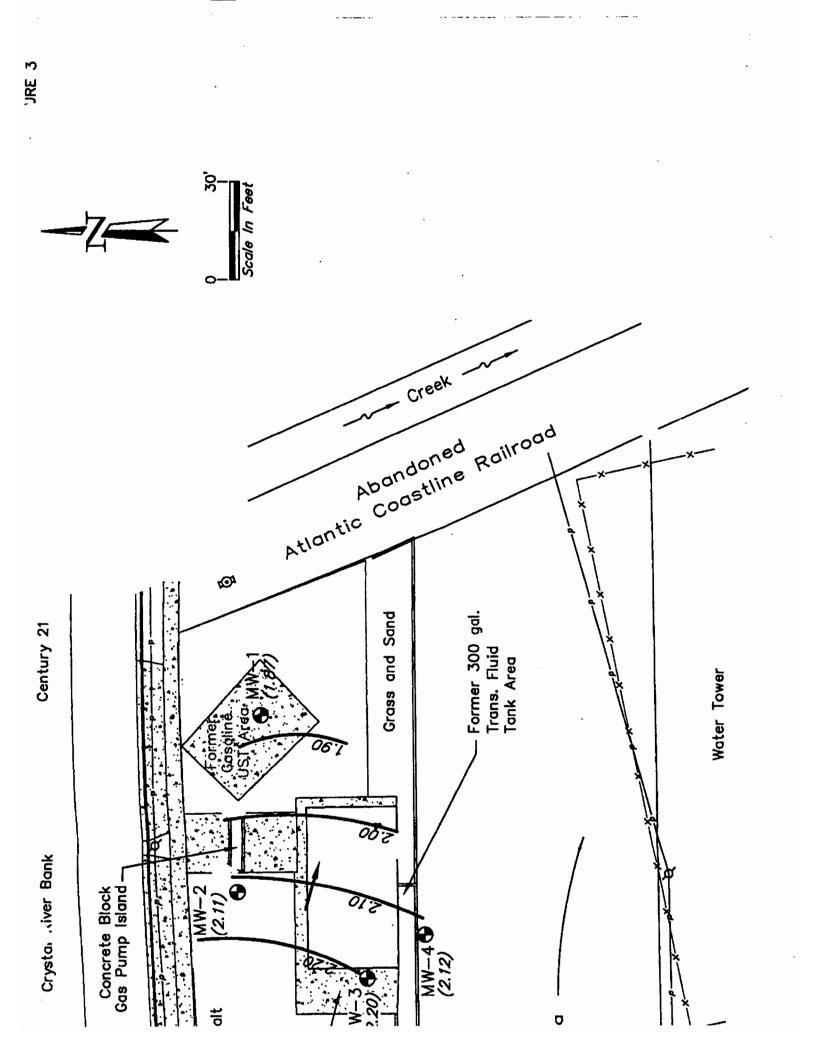
SCALE 1"=2000'

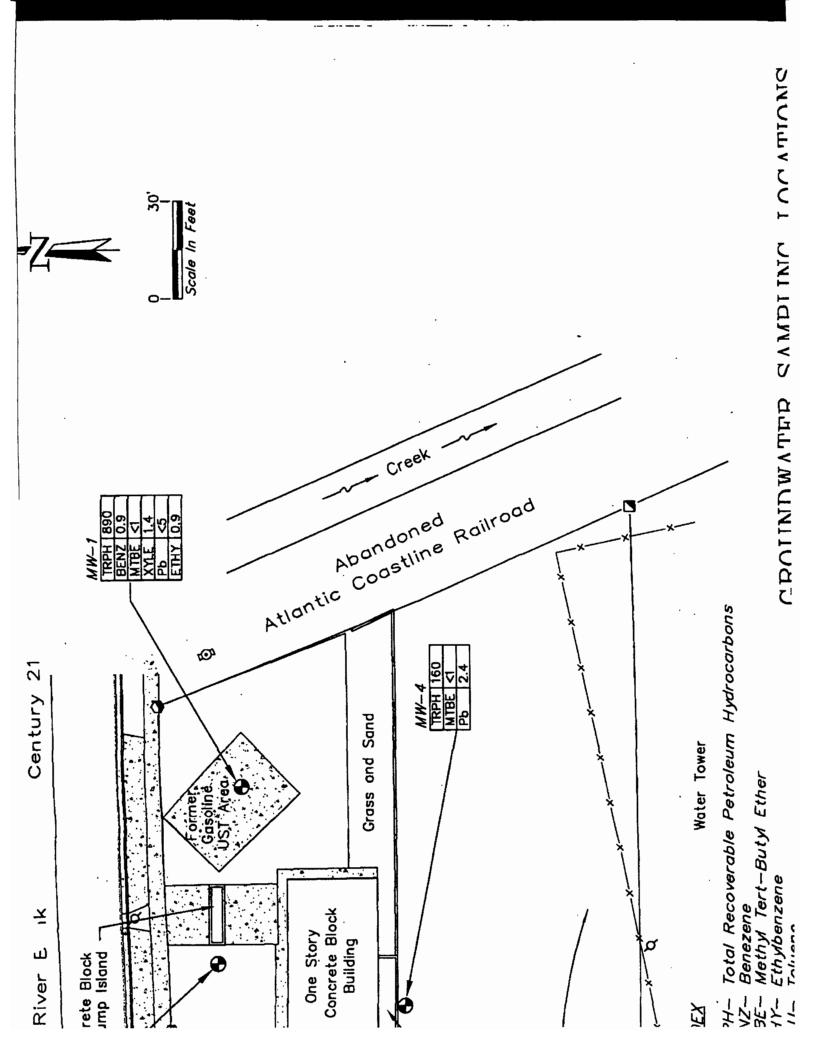
1 1

U.S.G.S. 7.5 MINUTE QUADRANGLE CRYSTAL RIVER, FLORIDA

LOCATION MAP







Site No. 82 Sprint Florida 35 NE Fifth Street Crystal River, Florida FDEP I.D. No. 099101357

	ce Bldg. • 26 Div	500 Blair ision of V	<i>f Environmence</i> Stone Road • Tallahas Waste Management Dleum Storage Syste	see, Florida 3		(8	5
Storage	Tank Fa	cility C	Compliance Insp	ection Re	port		*
Facility ID 9101357	County [590	CITRUS	Insp	ection Date	11/3/0	90
Facility Name SPRINT Flor	RIDA	CR	Y RUR)		ity Type		•
	Longitud				Method 🔀		<u>}</u>
Check box to identify type of inspection performed. Provide Lat/Long Determination Method. ("Map", ' Provide the count of USTs and/or ASTs reviewed du	'AGPS" (Ma	agellan), '		# USTs Inspected		# ATSs Inspected	
Compliance Inspection (Annual)	TCI	>~	Installation Inspec	tion		TIN	
Compliance Inspection (DRF received)	TCDI		Closure Inspection			TXI	
Compliance Inspection (Complaint received)	TCPI		Compliance Re-In			TCR	
Discharge Evaluation ("short form")	TDI		** Record the resu	ilts of the TD	I in a Discharg	e Project]
"Code" in block below corresponds to the Rule Cite; rep	presents a Data	a Entry Cod	le for ease of electronic da	ta recording of	inspection results.		
Rule Cite Description / In	spector's	Comme	ents				Code
Comments Release	Date	ctio-	15 a Co	チョン	es Mo	nitoria	a
					-		
			ice by a l)
			> piping (
the sp-	5010	5 0	lecked	noint1	1267 3	Spanst	Gad
Gunvall	• •		SA Tech				
Convall A A		/					
HN RDI	RC ?	and	Collent	place	id are	ondig	plaz
at the	faci		•	·			9
	1 - 1 -	0	Signat	0 10	-115 -		1. 10
1 Let L	<u>rese</u>	<u>* </u>	Signs	24 101	<u>saso</u>	m The	ICANA
exterio			le Pipin				
Financial Responsibility – Verify owner's covera	ige. Select l	Insurance	e or <i>Other</i> , and provi	de Mechanis	m, if appropri	ate.	
Insurance Carrier:			Effective Date:		Expiration Dat	te:	
Other Coverage meeting federal financial r					attel Car	- 00	2
	esponsioning	y requirer	nemes. Mechanism.	SCIFU	ene tio		7-
None							
	, <u> </u>		······································	<u> </u>			
Based upon the inspection results and informati Florida Administrative Code 62-761. A re-inspection will be scheduled on or after	on provided Yes days to ve	l by the o rify corre	wner/operator, this i O No O ction of the non-comp	acility appea CWOE – Co liance items r	ars to meet the ompliance with oted	requirement tout Enforce	s of nent
	TEACTH		352-527	-5295	5		
Storage Tank Program Office			Storage Tank Program	Office Phone N	lumber		
C. MARK SUMAER Inspector Name - Please Print			Facility Representative	Name Plan	<u>neu</u>		
Inspector Name - rease rink				- Ivaille - Flease	, 1111L ,		
" Marke Sent	Halor	0	(SPX-1/c	ChON	> 11-	3.00)
pector Signature & Date			Facility Represen	tative Signa	ture & Date		
					, ,	Page /	of

			l
Page	<u> </u>	of	L

Jeb Bush Governor Robert G. Brooks, M.D. Secretary

November 13, 2000

Ms. Cathy Stephens Sprint Environmental Health and Safety 555Lake Border Dr. Apopka, FL 32703

RE: DEP FAC #099101357 Sprint Florida Crystal River, FL

Dear Ms. Stephens:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Enclosed, please find a copy of the Storage Tank Facility Compliance Inspection Report for the inspection recently performed at the above named facility. Please refer to this report for comments regarding the inspection.

If there are any questions concerning this matter, you may contact the Storage Tank Program at (352) 527-5295.

Sincerely,

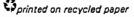
C. Mark Sumner Environmental Specialist II

Enclosure(s)

CMS/file

CITRUS COUNTY DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH DIVISION STORAGE TANKS INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316



This data is current as of: 03-NOV-2000

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

×

ID#: 9101357 Name: SPRINT FLORIDA 35 Ne 5th St Crystal River, FL 32629-4163 Contact: Lewis Peteway Phone: 352-368-8760 District: SWD County: Citrus Type: Fuel User/Non-Retail Status: Open Latitude: 28:53:57.0000 Longitude: 82:35:35.0000 LL Method: AGPS

IJ

Account Owner Information Name: Sprint Florida Po Box 165000 M/S Flapka0206 Attn: Jennifer Scarpino Altamonte Springs, FL 32716-5000

Phone: 407-889-1531

Tank Owner Information

Name: Sprint Florida Po Box 165000 M/S Flapka0206 Attn: Jennifer Scarpino Altamonte Springs, FL 32716-5000 Phone: 407-889-1531

Tank # Size Content Installed Placement Status Const Pipe Monitor,

2 1000 Diesel-Emergen Gen 07/01/1998 ABOVE

1 1000 Diesel-Emergen Gen 06/01/1980 ABOVE B

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found!

Site No. 84 Chevron - Kwik Stop 118 NW Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503048 This data is current as of: 04-JAN-2001

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

×

ID#: 8503048 Name: CHEVRON-KWIK STOP 118 Nw Hwy 19 Crystal River, FL 32629-3931 Contact: Rajendra Patel Phone: 352-563-5770 District: SWD County: Citrus Type: Retail Station Status: Open Latitude: 28:53:58.0000 Longitude: 82:35:40.0000 LL Method: AGPS

Account Owner Information

 Name: Patel, Rajendra & Chandrika 118 Nw Us Hwy 19 Crystal River, FL 34428 Phone: 352-563-5770

Tank Owner Information

Name: Patel, Rajendra & Chandrika 118 Nw Us Hwy 19 Crystal River, FL 34428 Phone: 352-563-5770

Tank # Size Content Installed Placement Status Const Pipe Monitor

	" R1	8035	Unleaded Gas 06/01/1987	UNDER	U	F	С	ĸ
1.	1/1	0000	Cinculou Cub 00/01/1907	or , D Dit	Ŭ	М	F	L
						O N	K	H 3 /
						P	5	
2	R1	8035	Unleaded Gas 06/01/1987	UNDER	U	F	Ç	K
						M O	F K	H3 (CMAS
						Ν	J	5
					••	P	0	
3	R1	8035	Unleaded Gas 06/01/1987	UNDER	U	F M	C F	$(\mathcal{L}_{\mathbf{I}})^{\mathbf{K}}$
						0	F K	13
						N P	J	. 5
	1	10000) Leaded Gas	UNDER	В	T		
	2			UNDER	B			
	2		Gasohol		_			
	3	3000	Gasohol	UNDER	В			
	4	4000	Gasohol	UNDER	В			

torage Tank Facility Compliance Inspection Report

lity Name: <u>(</u>	HEVENKWIKSTOP Facility ID: 5503048 Date: 2/9/2001
Cite	Description / Inspector's Comments
	> 10 Assessment wells were located and
	He tanks, and the associated piping.
	once the facility has a NEA from
	He DEP PLESE Gell'S MUST LE Property
	- Closed -
	7 The boots on the pipe interstice must
	Le lonsened or removed at the dispensed
	liAers to allow the sensirs in the
	stop sumps to monital the lines, or Usually inspect the lines monthly and document
	the conditions observed in a log book
	> A picture was taken of the over all facilit.
	for historical reference, and a Site Diagram
	has been added to the file.
<u></u>	· · · · · · · · · · · · · · · · · · ·



Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400 December 10, 2002

David B. Struhs Secretary

Mr. David Rogers, P.G.
Terra Tech Enterprises, Inc. 14156 River Road Pensacola, FL 32507

Subject:

Site Park Response

Chevron Quick Stop 118 NW Highway 19 Crystal River, Citrus County, FL FDEP Facility ID# 09-8503048

Dear Mr. Rogers:

!

The Bureau of Petroleum Storage Systems has reviewed the letter dated December 4, 2002 (received December 9, 2002), regarding the Bureau Chief's decision to not approve the source removal project at this facility.

Once again, prior to Program funding and procedure changes, the Department approved a Limited Scope Remedial Action Plan (LSRAP) for this facility on December 24, 2001 consisting of source removal operations in conjunction with planned dispenser upgrades. Since this time, all source removal operations in excess of \$75,000.00 now have to go through the Bureau Chief, Mr. Mike Ashey for final approval due to current Program funding issues.

The site information for this facility was reviewed by Mr. Ashey (cost proposal / work order submitted by Terra-Tech Enterprises, Inc.) and was deemed ineligible since no significant eminent threat to public health or safety is present at this facility. Mr. Ashey reviews all of the available data (reports) for each site in this situation to make his determination. His answer for this site is final (will not be funded by the Department) until fiscal issues are resolved to allow the work to proceed under the Preapproval Program. However, the facility owner does have the option to proceed with his planned dispenser upgrades at his own expense.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Mr. David Rogers, P.G. Terra Tech Enterprises, Inc. Page No. 2

If you should have any questions, please contact me at 850-245-8916, at the letterhead address, Mail Station 4580, or at my E-mail address.

Sincerely,

Danny Callahan Environmental Specialist II Petroleum Cleanup Section 4 Bureau of Petroleum Storage Systems E-mail: Dan.Callahan@dep.state.fl.us

/dgc

; "

cc: Mr. Rajendra Patel, 118 NW U.S. Hwy 19, Crystal River, FL 34428 File December 4, 2002

RECEIVED DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF PETROLEUM STORAGE SYSTEMS A 10: 45

Mr. Danny Callahan Environmental Specialist FL Department of Environmental Protection MS 4580 2600 Blair Stone Rd. Tallahassee, FL 32399-2400

TERRA TECH

Consulting and Technologies

ENTERPRISES, INC.

DEC 92002AGE SYSTEMS DOCUMENT MANAGEMENT PETROLEUM CLEANUPITER SECTION 4

Re: Response to FDEP Correspondence Dated October 28, 2002 Chevron Kwik Stop 118 NW US Highway 19 Crystal River, Citrus County, FL FDEP Facility ID# 098503048

Dear Mr. Callahan:

This correspondence has been prepared in response to the FDEP correspondence dated October 28, 2002 sent to Mr. Rajendra Patel (site owner). A copy of the correspondence is attached. The last sentence of the third paragraph states " Only soil contamination is present at this facility with no groundwater impact or migration potential present." Please note the following comments:

- Only one sampling event of all site monitoring wells has been conducted at the site. This event occurred in January of 2001.
- Three <u>groundwater</u> samples collected from around the dispenser area during the Geoprobe investigation in September of 2000 had compounds detected above the applicable groundwater target levels.
- 3) The depth to groundwater at the facility is very shallow (approximately 3 to 5 feet).

4) Soils around the dispenser island are significantly contaminated.

It is my professional opinion, based on over eighteen year of experience conducting assessment and remediation activities at petroleum contaminated sites in Florida, that groundwater has been impacted and the potential for further groundwater impact and subsequent migration is highly likely. Experience also indicates that the longer the time period prior to implementing cleanup activities, the more costly the project is. I would like the Department to reconsider Mr. Ashley's ineligible determination. This is a chance to remediate and close a site in a cost effective and timely manner.

If you have any questions, Please contact me at (850) 492-0913 or email drterra@mindspring.com.

Sincerely, m. 1 70

David M. Rogers, P.G. President

CC: Mr. Rajendra Patel

LIMITED SCOPE REMEDIAL ACTION PLAN

MODIFICATION



BUREAU OF PETROLEUM STORAGE SYSTEMS

DEC 6 2001

PETROLEUM CLEANUP SECTION 4

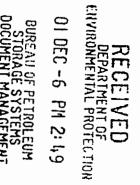
CHEVRON KWIK STOP

118 NW U.S. HIGHWAY 19

CRYSTAL RIVER, CITRUS COUNTY, FLORIDA

FDEP Facility ID #098503048

Work Order #2001-94-0216-0



Prepared for: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION 2600 Blair Stone Road Tallahassee, Florida 32399

> Prepared by: TERRA TECH ENTERPRISES, INC. 14156 River Road Pensacola, Florida 32507

> > NOVEMBER, 2001





TABLE OF CONTENTS

SECTION 1	INTRODUCTION
SECTION 2	SITE DESCRIPTION
SECTION 3	SUMMARY OF SITE ASSESSMENTS
3.1 3.2	Assessment Activities and Level 4 Reports Contaminant Mass Calculations
SECTION 4	LIMITED SCOPE REMEDIAL ACTION PLAN
4.1 4.2 4.3 4.4	LIMITED SCOPE REMEDIAL ACTION PLAN Remedial Actions Cleanup Time Frame Estimates Monitoring and Reporting Cleanup Cost Estimates and Comparisons

FIGURES 1 - 16

TABLE 1 - 4

1

APPENDIX A CORRESPONDENCE

APPENDIX B CONTAMINANT MASS CALCULATIONS

SECTION 1

INTRODUCTION

This Limited Scope Remedial Action Plan Modification (LSRAP MOD) has been prepared by Terra Tech Enterprises, Inc. (TTE) for the Chevron Kwik Stop located at 118 Northwest U.S. Highway 19, Crystal River, Citrus County, Florida (Figures 1, 2 & 3). TTE is conducting this phase of work under the Florida Department of Environmental Protection (FDEP) Petroleum Preapproval Program Work Order Number 2001-95-0216-0. The LSRAP MOD has been prepared as directed by FDEP staff. A Level 3 Limited Scope Remedial Action Plan (LSRAP) which proposed soil vapor extraction as the remedial technology was submitted to the FDEP on August 23, 2001. The LSRAP was conditionally approved by the FDEP in correspondence received September 22, 2001. Based on new FDEP soil source removal guidelines (Soil Source Removal Guidelines for Petroleum Cleanup Preapproval Program Sites – September 3, 2001) which were put into effect after submittal of the LSRAP, a modification to the existing LSRAP for utilization of source removal as the primary remediation method was requested by FDEP staff. In, addition, the site owner has indicated that his dispensers will be upgraded during 2002 and source removal activities can be scheduled to coincide with this work. The site has been assigned a Priority Ranking Score of 61.

Following is a brief summary of site chronological events as ascertained from the available information researched. Pertinent correspondence is include within Appendix A.

6/87: The three existing underground storage tanks (USTs) were reportedly installed in 1987. The tank registration form indicates the three tanks are constructed of fiberglass-clad steel and are used for the storage of unleaded gasoline. $D = 2 \sqrt{3}$, $\partial q = 1$, $\langle q \rangle < 4$

6/17/96: Environmental Audit conducted by Affordable Environmental Audits, Inc. Groundwater analysis indicated 6 ug/L of Ethylbenzene and 48 ug/L of total Xylenes were detected in the sample from the southeast compliance well and 12 ug/L Ethylbenzene and 276 ug/L total Xylenes were detected in the northwest compliance well.

6/25/96: Discharge Reporting Form submitted to the FDEP for the facility.

6/26/96: Florida Petroleum Restoration Insurance Program Claim submitted for the facility.

PLIK. NIKCH

Rev

7/10/96: FDEP Notice of Eligibility.

7/31/96: FDEP correspondence regarding deductible requirements.

8/16/96: Lines tested and passed.

9/97: Original lines replaced with fiberglass lines. Impacted soils detected with an OVA during replacement activities. Closure Assessment completed by Environmental Evaluations, Inc.

6/25/98: STB Environmental conducts Super Act Investigation and site inspection.

12/2/98: FDEP correspondence indicating site had a ranking score of 61.

5/22/00: FDEP correspondence requesting a proposal from TTE.

8/07/00; Work Order 2001-00-6541-0 was executed.

8/9/00: Drilling and sampling notification given to FDEP.

8/24/00: Revised drilling and sampling notification given to FDEP.

9/5-7/00: Direct push borings SB-1 through SB-20 and soil sampling completed. Obtained 10 r groundwater samples from direct push borings. Sampled two compliance wells. Area survey conducted. County file review conducted.

10/11/00: Level 4 General Report submitted to the FDEP.

10/23/00: FDEP correspondence, <u>Deliverable Review</u> received by TTE. Correspondence requested additional maps and City well information.

10/30/00: TTE submits Deliverable Review Response to the FDEP.

11/5/00: FDEP correspondence, <u>Deliverable Review and Proposal Request</u> received by TTE. Correspondence approves Level 4 Report and request proposal for the next phase of work.

12/15/00: Work Order 2001-91-0069-0 executed. This work order was for drilling of 8 handaugered borings in potential source areas, soil sampling and analysis, installation of 6 water table monitoring wells and one deep well, groundwater sampling of the new wells and preparation of a Level 4 General Report using the Template Site Assessment Report form.

12/20/00: Drilling and sampling notification given to FDEP.

1/23-27/01: Hand augered borings B-1 through B-8 completed with OVA screening and laboratory sampling. MW-1 through MW-6 and DW-1 installed and sampled.

2/08/01: Professional Land Survey (PLS) competed by Spectra Engineering & Research, Inc.

2/15/01: Field notes, laboratory analytical reports, boring logs, and PLS submitted to the FDEP by TTE.

3/21/01: Level 4 General Report submitted to the FDEP by TTE.

5/15/01: FDEP correspondence, <u>Deliverable Review</u> received by TTE. Correspondence indicates the Level 4 Report had conditionally satisfied the approved work order subject to responding to the <u>Geologist Review</u>. The correspondence also indicated that the site was ready to go into remediation and requested that a detailed proposal be submitted to the FDEP to address soil remediation at the facility.

5/31/01: Preapproval Cost Proposal submitted to the FDEP for groundwater monitoring, soil vapor extraction Pilot Testing and Preparation of a Remedial Action Plan (Soil Design).

6/11/01: FDEP Staff contacted TTE regarding proposal. FDEP staff indicated that pilot testing was not necessary and a Level 3 LSRAP should be prepared based on utilizing soil vapor extraction as the remedial technology without pilot testing recommended by TTE to assess the feasibility of using this approach.

6/25/01: Work Order 2001-94-0216-0, directing TTE to prepare a LSRAP using Soil Vapor Extraction (SVE) as the remediation technology, executed.

8/23/01: LSRAP (SVE) submitted to the FDEP.

9/22/01: FDEP correspondence <u>Deliverable Review (LRAP)</u> and <u>Level 3 limited Scope Remedial</u> <u>Action Plan Review</u> received by TTE. Correspondence indicates that the deliverable was **conditionally satisfied** pending responses to P.E. review. New source removal guidelines were included with correspondence.

10/15/01: TTE submits review responses to the FDEP. This correspondence indicates that, based on the new source removal guidelines, the site appears to be an adequate candidate for source removal.

Source Roman

SECTION 2 SITE DESCRIPTION

The site is located in Section 21, Township 18 South, Range 17 East in Crystal River, Citrus County, Florida, as shown on the U.S. Geological Survey (USGS) 7.5 minute topographic map of the Crystal River, Florida Quadrangle (Figure 1).

The site is currently a retail fuel dispensing facility and convenience store. Figure 2 is a site map showing the location of the store building, the UST and dispenser areas, compliance wells, utilities and other associated features. Compliance well CW-NE is 9.60 feet in depth, CW-NW is 7.40 feet in depth, CW-SE is 8.70 feet in depth, and CW-SW is 6.20 feet in depth. All compliance wells are 2-inch diameter and screened to the surface.

Land use in the area is primarily commercial and residential. Figure 3 illustrates surrounding land uses.

Site utilities identified are shown on Figure 2 and includes overhead electric and underground electric, water, sewer, and telephone lines.

Public and private water supply wells were investigated by conducting area reconnaissance; and by contacting and conducting file searches at the Citrus County Environmental Health Department, and STB Environmental (contracted by FDEP to perform Super Act Investigations). One public supply well (City of Crystal River Well) was identified within a ¼ mile radius of the site as is located approximately 1000 feet to the east-southeast. Another public supply well (City of Crystal River Well) is located approximately 1.1 miles to the northeast of the site. Well locations are illustrated on Figure 1. Mr. Keith Mullins / US Filter (contracted to operate the City of Crystal River Water Treatment Plant) was contacted regarding the depth and production of the City Well located within ¼ mile of the site. He indicated that the well is cased to a depth of 84' BLS where it intersects a naturally occurring limestone cavern of unknown depth. The permitted production capacity for the well is 285,000 GPD. However, the well is currently used for standby purposes only.

The nearest surface water body to the site, Kings Bay, is located approximately 800 to 1,000 feet southwest of the site.

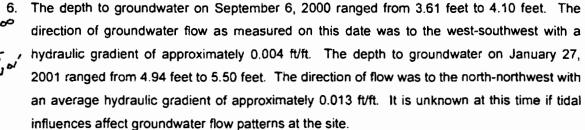
SECTION 3

SUMMARY OF SITE ASSESSMENTS

Previously conducted site assessments include a Level 4 Report submitted to the FDEP on October 11, 2000 by TTE; and an additional Level 4 Report submitted to the FDEP by TTE on March 21, 2001.

3.1 Assessment Activities and Level 4 Reports

- 1. One public supply well was identified within a 1/4 mile radius of the site.
- 2. Subsurface utilities identified at the site include water, sewer, electric, and telephone lines.
- The nearest surface water body to the site is Kings Bay, located approximately 800 to 1,000 feet southwest of the site.
- 4. Lithologic sequences identified during the advancement of soil borings and monitoring wells include approximately 9 to 10 feet of fine to medium grained quartz sand (SW) overlying limestone to a depth of at least 25' BLS.
- OVA/FID soil screening results and soil analytical data indicate contaminated soils are present in the immediate vicinity of the dispenser island. The extent of soils contamination has been adequately defined in all directions.



7. Groundwater samples collected on September 6 & 7, 2000 during advancement of geoprobe borings, indicated groundwater with dissolved contaminant levels above applicable target levels were present in the vicinity of the dispenser island. Based on the results of the geoprobe investigation six water table monitoring wells (MW-1 through MW-6) and one deep well (DW-1) were installed at the site. Groundwater samples collected on January 27, 2001 from monitoring wells MW-1 through MW-6 and DW-1 indicated that only lead, detected in MW-1 (0.229 mg/L), exceeded the applicable target levels during this sampling event. The discrepancy is thought to be a result of sampling only the surface of the water table during

Hedo

the geoprobe investigation as compared with sampling the entire screened interval of the monitoring wells.

8. A review of all the data indicates that the contaminated soils identified around the dispenser island are a continuing potential source of groundwater impact.

Assessment data is summarized on Tables 1 through 4, and Figures 1 through 13.

3.2 Contaminant Mass Calculations

Contaminant mass in the Vadose Zone was estimated using the following method:

- 1. The arithmetic average of TPH concentrations was determined from previous soil sampling data (Avg = 152 ppm from Table 2).
- The area inside the zero TPH concentration line was determined (an elliptical shape was assumed from Figure 14 Area = 1,458 square feet).
- To calculate the volume, the average TPH concentration (152 ppm) was multiplied by the area within the zero TPH concentration line (Area = 1,458 square feet). This value is then multiplied by the average thickness of the contamination (T = 4 feet).
- 4. The volume of contamination was multiplied by the soil density ($p = 65 \text{ Kg/ft}^3$).
- 5. The result of this calculation was then converted from units of mg to pounds by multiplying by 2.2×10^{-6} .

Based on these calculations, the contaminant mass is as follows:

Mass = 152 ppm x 1,458 ft^2 x 4 ft x 65 Kg/ ft^3 x 2.2 x 10⁻⁶ = **126 pounds**

Contaminant Mass Calculations are presented in Appendix B.

SECTION 4

LIMITED SCOPE REMEDIAL ACTION PLAN

4.1 **Remedial Actions**

Proposed remedial actions will consist of soil excavation of an approximately 50' X 25' X 6 - 7' deep area as illustrated on Figure 15 (including anticipated caving). This includes impacted areas identified during assessment phases and removal of one to two feet of the smear zone. Required permits will be obtained prior to initiating excavation activities. All OSHA requirements will be followed during site activities. During excavation activities, soils will be sampled and screened in the field in accordance with Chapter 62-770, F.A.C. Excavation will continue until OVA readings are <50 PPM. Confirmatory soil laboratory analytical data will be obtained by collecting composite soil samples from the bottom and each of the excavation side walls. The soil samples will be analyzed for BTEX + MTBE, PAHs, and FL-PRO (based on previous sampling results).

Prior to backfilling the excavation area, a horizontal, 6-inch diameter slotted PVC well screen is proposed to be installed as shown on Figures 15 and 16. The well screen will be installed below the water table and can be utilized in the future, if necessary to meet target levels, for air and/or liquid injection or groundwater recovery.

The excavation areas will be backfilled with clean fill to the original grade. The clean select backfill material will be placed in the excavation in maximum loose lifts not to exceed 12 inches. The material will be compacted to a minimum of 90 percent of the maximum dry density as determined by ASTM D 698. In-place field density testing will be conducted in accordance with ASTM D 2922 and applicable OSHA regulations. The area will be resurfaced with concrete.

The piping from the tank area to the dispensers and a portion of the sites water supply line will have to be replaced as a result of excavation activities. No other underground structures have been identified which will affect the proposed remedial strategy.

Contaminated soils removed during excavation activities will be transported and disposed of at a licensed thermal treatment facility. Pre-burn soil samples will be collected and provided to the treatment facility in accordance with applicable regulations. It is estimated that a maximum of 500 tons (approximately 325 cubic yards) of contaminated soils will be transported from the site for thermal treatment.

500 TONS MAX 3 325 YDS

, week

4.6 Cleanup Time Frame Estimates

It is expected to take approximately one week to complete the excavation program. It is estimated that groundwater target levels will be maintained and a Site Rehabilitation Completion Report will be submitted within one year of post soil source removal monitoring.

4.7 Monitoring and Reporting

Proposed monitoring will include interim monitoring until source removal activities have been completed to verify the contamination is not migrating and post source removal monitoring to assure source removal activities were successful and applicable target levels have been met. The proposed remedial strategy is expected to result in the groundwater meeting applicable Target Levels or Natural Attenuation Monitoring default levels. The proposed monitoring program will consist of quarterly sampling of MW-1, MW-2, MW-3 and MW-4. The designated wells will be sampled and analyzed for BTEX + MTBE. + MTBE

Once source removal activities are completed, it is considered appropriate for the site to fall under the provisions of Chapter 62.770.690 – Natural Attenuation. As stated in Chapter 62-770.690 (7) 2. (b) "The monitoring period shall be a minimum of one year, unless two consecutive sampling events have indicated that the applicable cleanup target levels have been met, in which case the requirements of paragraph (8) shall apply" (paragraph (8) requires submittal of a Site Rehabilitation Completion Report (SRCR)).

Quarterly reports will be prepared and submitted to the Department to document the success of the remedial program.

4.8 Cleanup Cost Estimates and Comparisons

Following is a cost estimate comparison for implementation of the LSRAP (SVE System) versus source removal. A cost estimate will be provided in the Preapproval Program format following approval of this LSRAP MOD.

SVE SYSTEM IMPLEMENTATION

EQUIPMENT

Extraction Blower & Moisture Separator	\$5,000.00
Vapor Phase Carbon Unit (Lease - \$2,000.00/month x 1 month)	2,000.00
Control System	1,200.00
Total	\$8,200.00

INSTALLATION

VEWs		\$10,000.00
Trenching and Piping - including materials		15,000.00
Compound		5,000.00
Electrical		1,200.00
Permitting		<u>1,500.00</u>
	Total	\$32,700.00

START-UP, MONITORING AND MAINTENANCE (1 Year)

System Start-up		\$2,500.00
Electrical Usage		2,000.00
System O & M & Reporting		<u>22,000.00</u>
-	Total	\$26,500.00

MONITORING AND MAINTENANCE (Year 2)

O & M & Reporting

\$20,000.00

TOTAL ESTIMATED COST

\$87,400.00

prty class

SOURCE (SOIL) REMOVAL IMPLEMENTATION

Permitting, Health & Safety Plan, Oversight Product and Water Piping Replacement Excavation / Stockpiling / Loading \$10,000.00 \$8,000.00 \$25,000.00

500 TONS 325 yos3

Sie / 1 gels prove	· • • • • • • • • • • • • • • • • • • •
Fwo Year Monitoring & Reporting (pre and post source removal)	\$24,000.00
Confirmation Sampling	\$300.00
Load / Transport / Soils Treatment	\$27,000.00
Backfill / Compacting / surfacing	\$17,000.00

TOTAL ESTIMATED COSTS

\$111,300.00 ~ 100

In accordance with the new source removal guidelines, The cost for source removal is less than 25% greater than the proposed in-situ method and has a greater chance of success.

,

SECTION 5

CONCLUSIONS

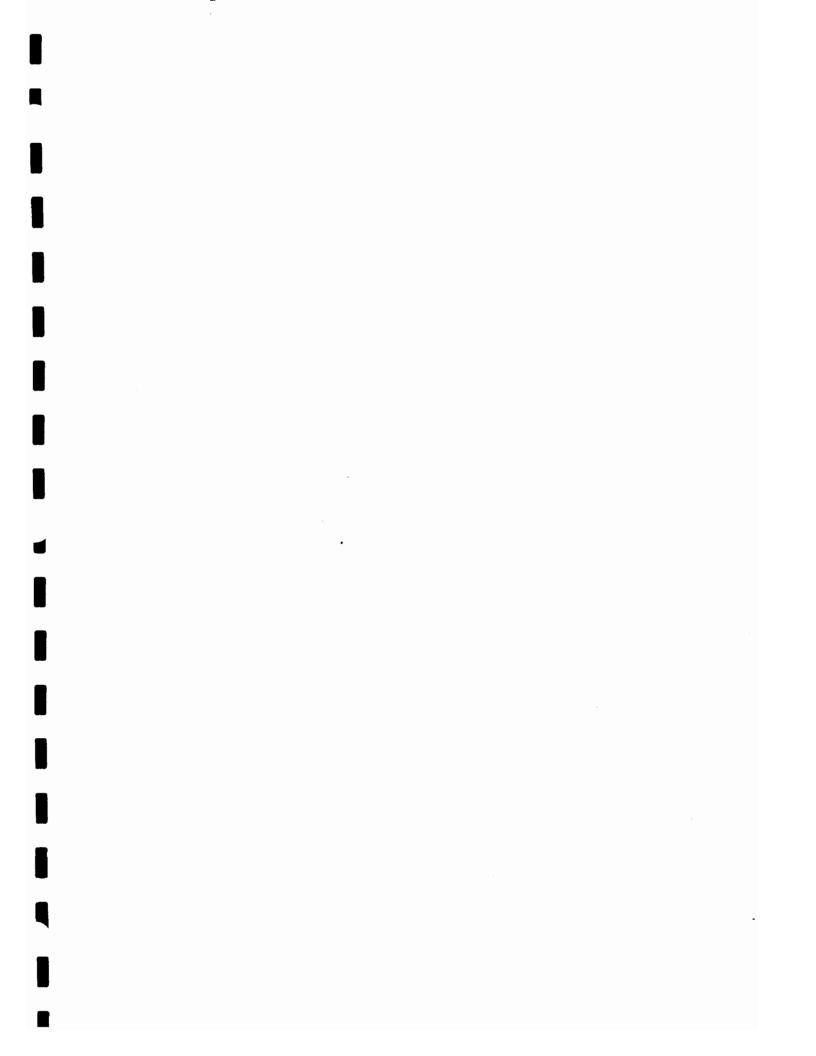
As directed by FDEP staff a LSRAP MOD has been prepared for the site. Proposed remedial actions will consist of soil excavation of an approximately 50' X 25' X 6 - 7' deep area (including fanticipated caving). This includes impacted areas identified during assessment phases and removal of one to two feet of the smear zone. Required permits will be obtained prior to initiating excavation activities. All OSHA requirements will be followed during site activities. During excavation activities, soils will be sampled and screened in the field in accordance with Chapter 62-770, F.A.C. Excavation will continue until OVA readings are <50 PPM. Confirmatory soil laboratory analytical data will be obtained by collecting composite soil samples from the bottom and each of the excavation side walls. The soil samples will be analyzed for BTEX + MTBE, PAHs, and FL-PRO.

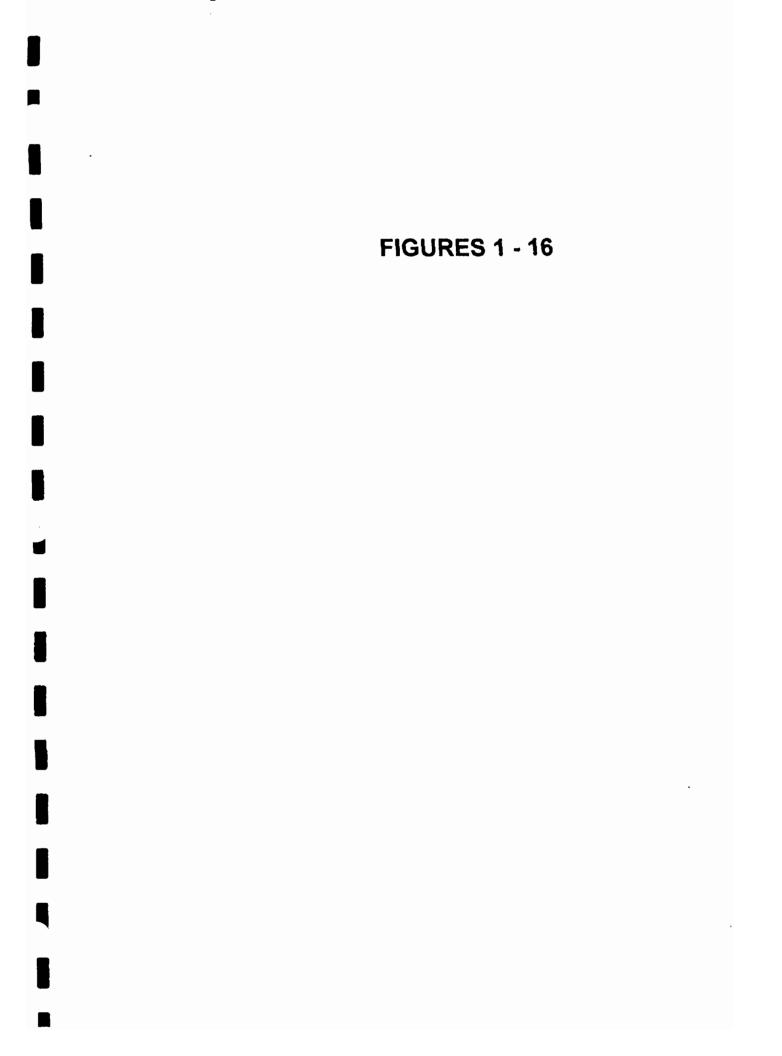
Prior to backfilling the excavation area, a horizontal, 6-inch diameter slotted PVC well screen is proposed to be installed. The well screen will be installed below the water table and can be utilized in the future, if necessary to meet target levels, for air and/or liquid injection or groundwater recovery.

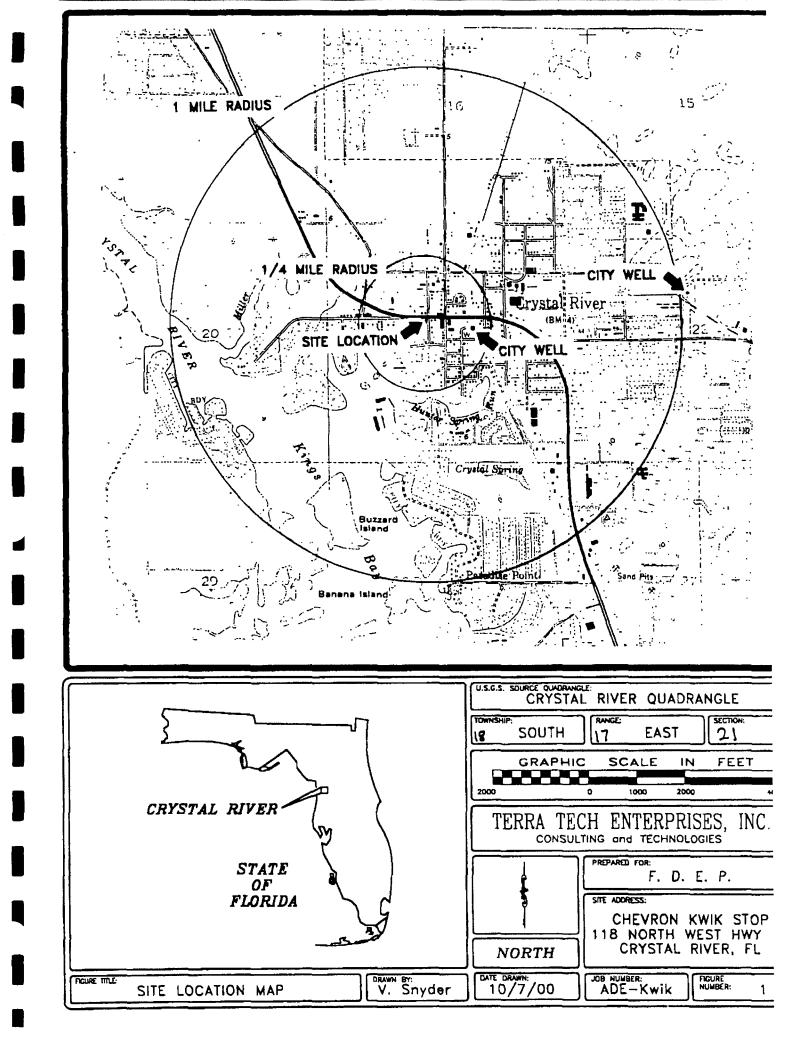
The excavation areas will be backfilled with clean fill to the original grade. The clean select backfill material will be placed in the excavation in maximum loose lifts not to exceed 12 inches. The material will be compacted to a minimum of 90 percent of the maximum dry density as determined by ASTM D 698. In-place field density testing will be conducted in accordance with ASTM D 2922 and applicable OSHA regulations. The area will be resurfaced with concrete.

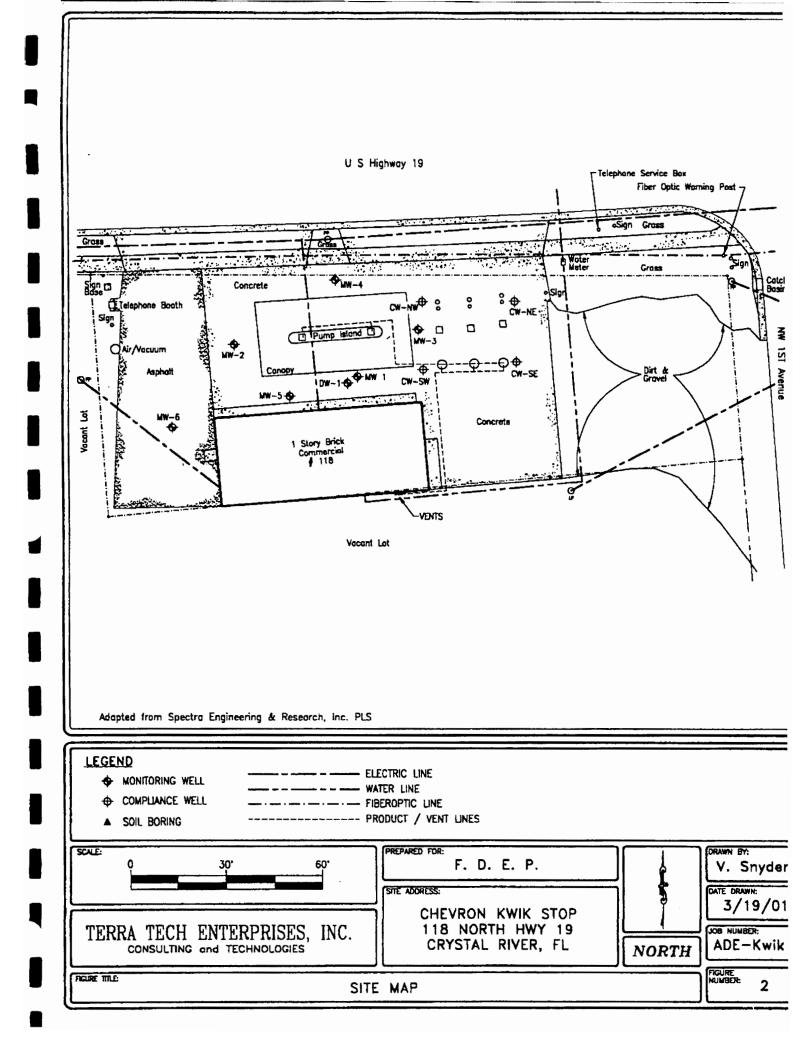
The piping from the tank area to the dispensers and a portion of the sites water supply line will have to be replaced as a result of excavation activities. No other underground structures have been identified which will affect the proposed remedial strategy.

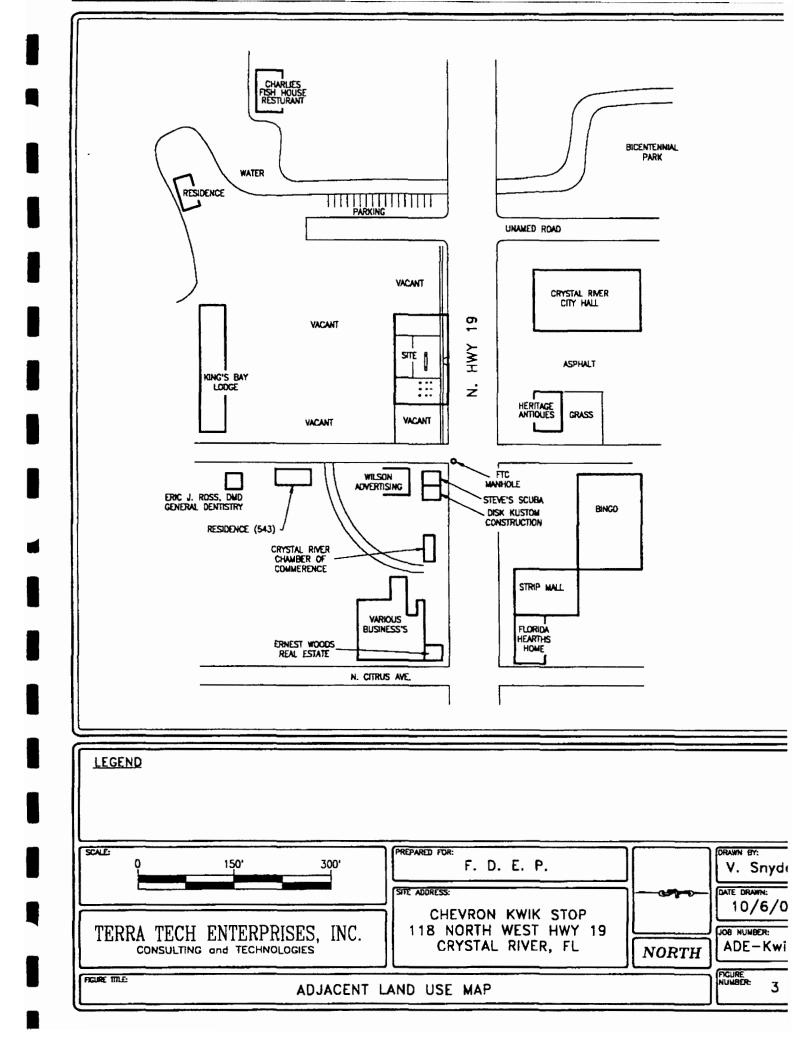
Contaminated soils removed during excavation activities will be transported and disposed of at a licensed thermal treatment facility. Pre-burn soil samples will be collected and provided to the treatment facility in accordance with applicable regulations. It is estimated that a maximum of 500 tons (approximately 325 cubic yards) of contaminated soils will be transported from the site for thermal treatment.

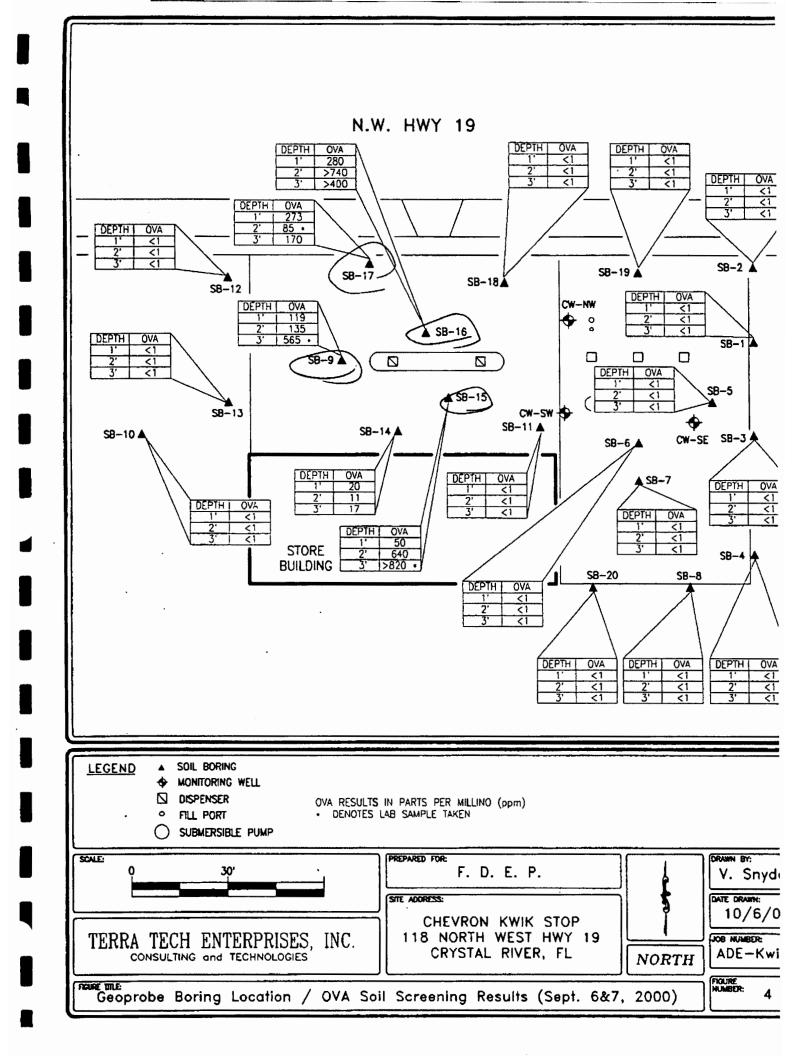


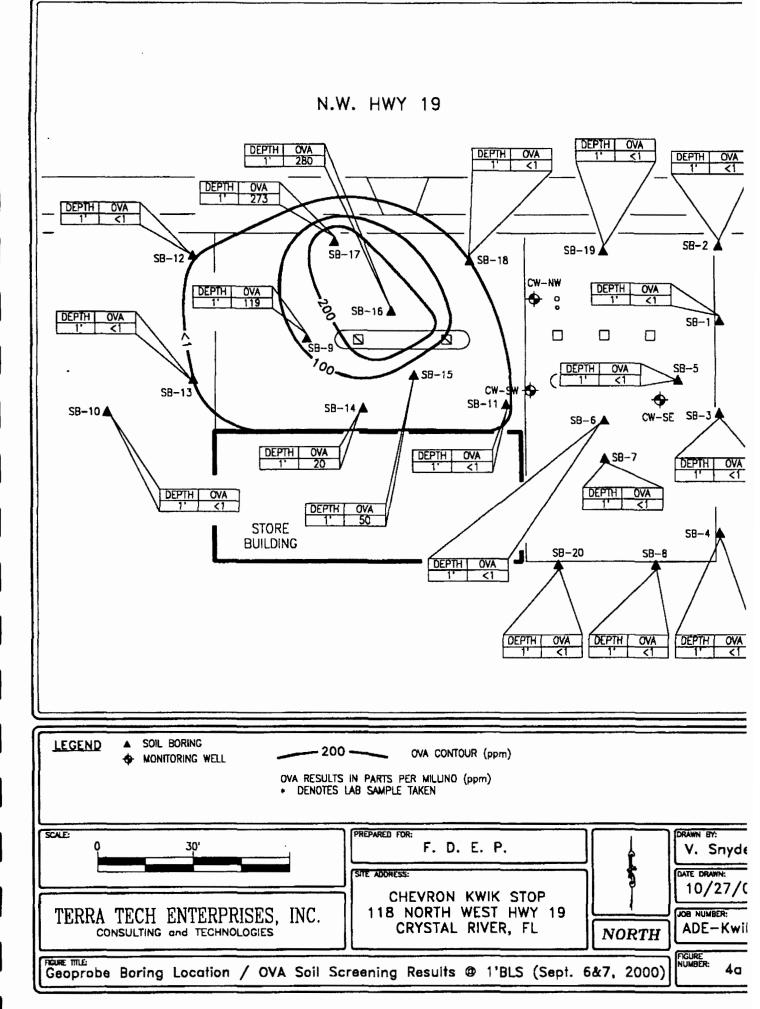


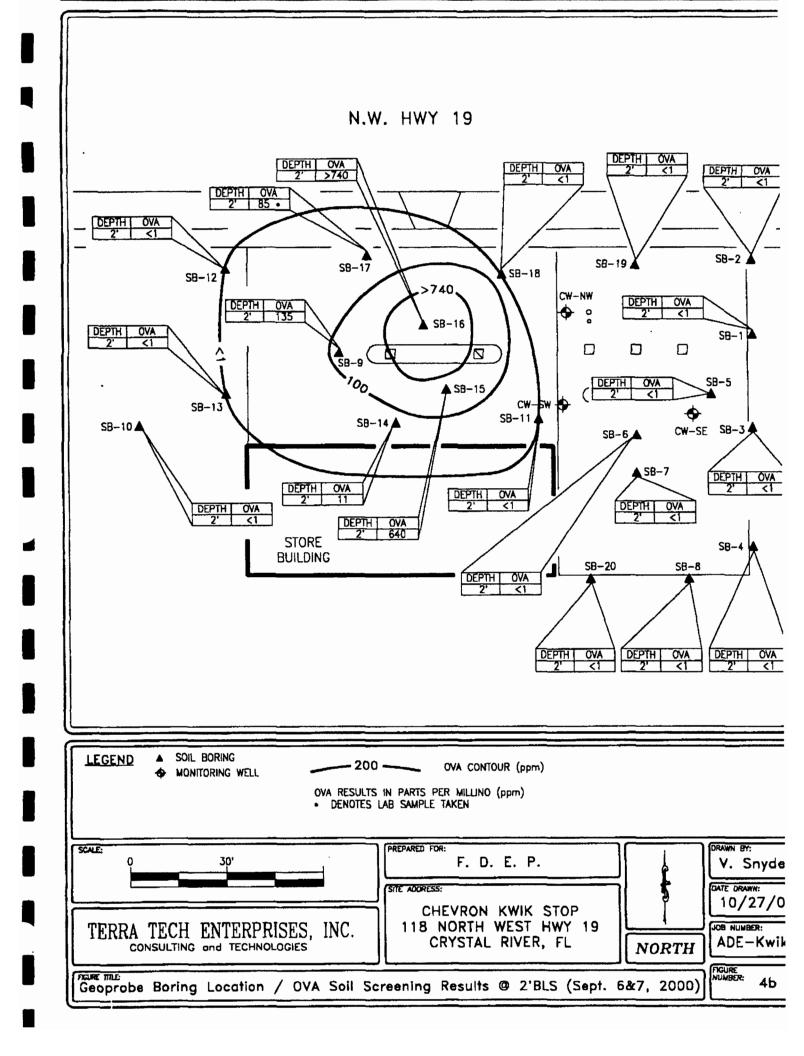


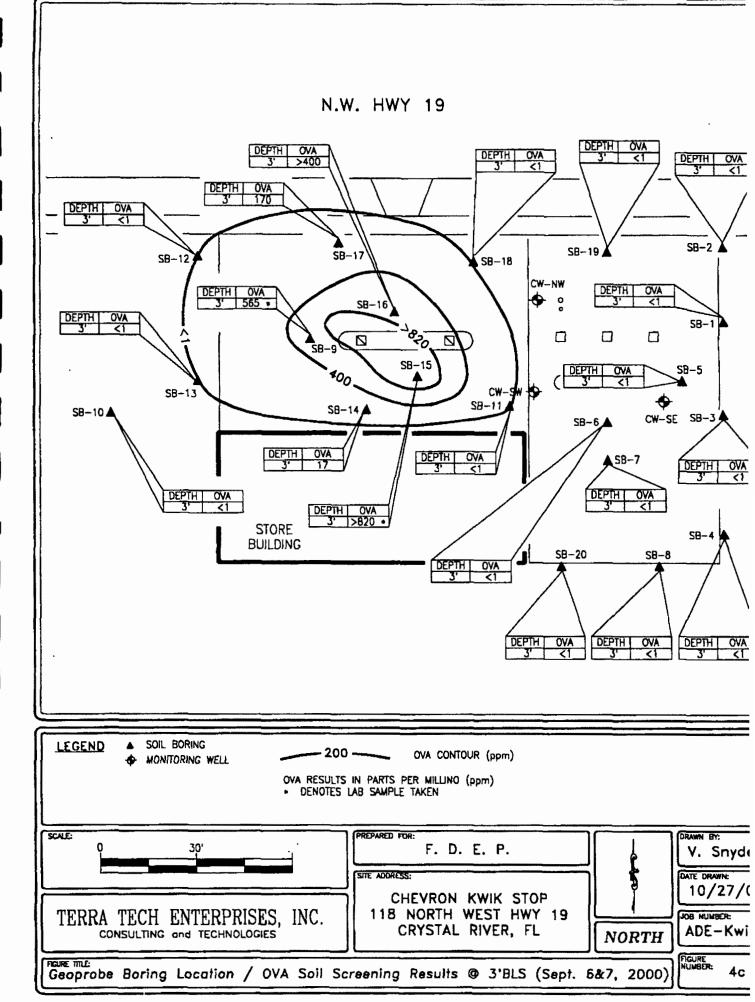


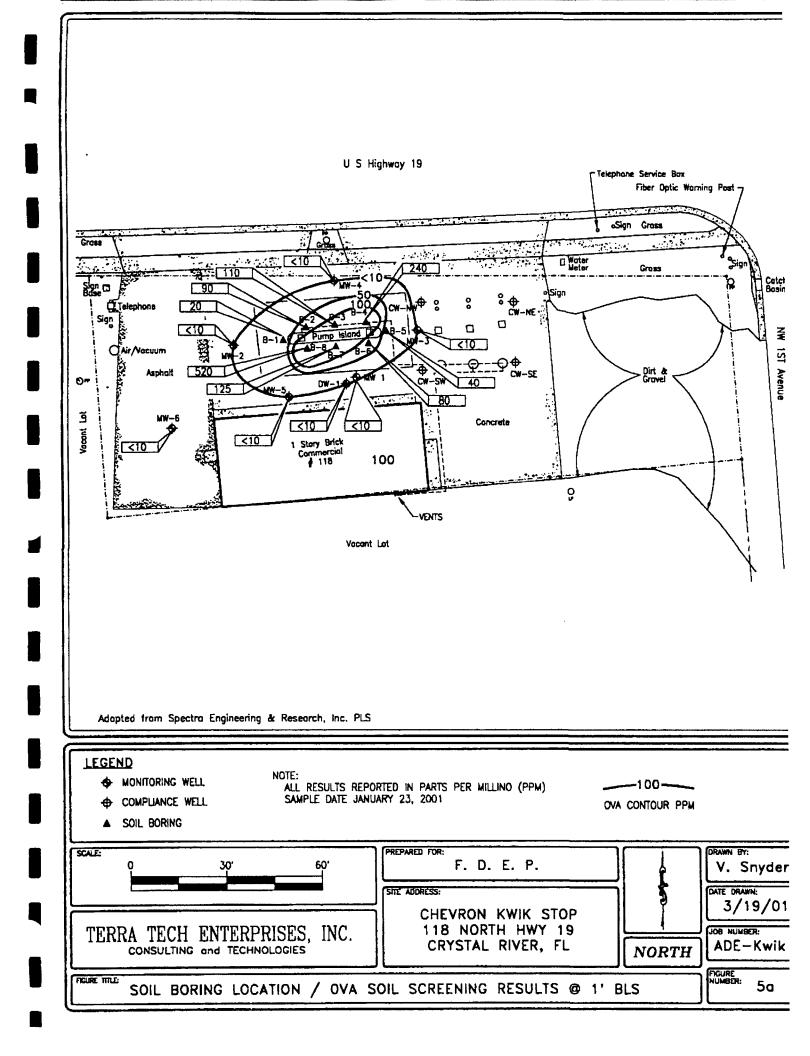


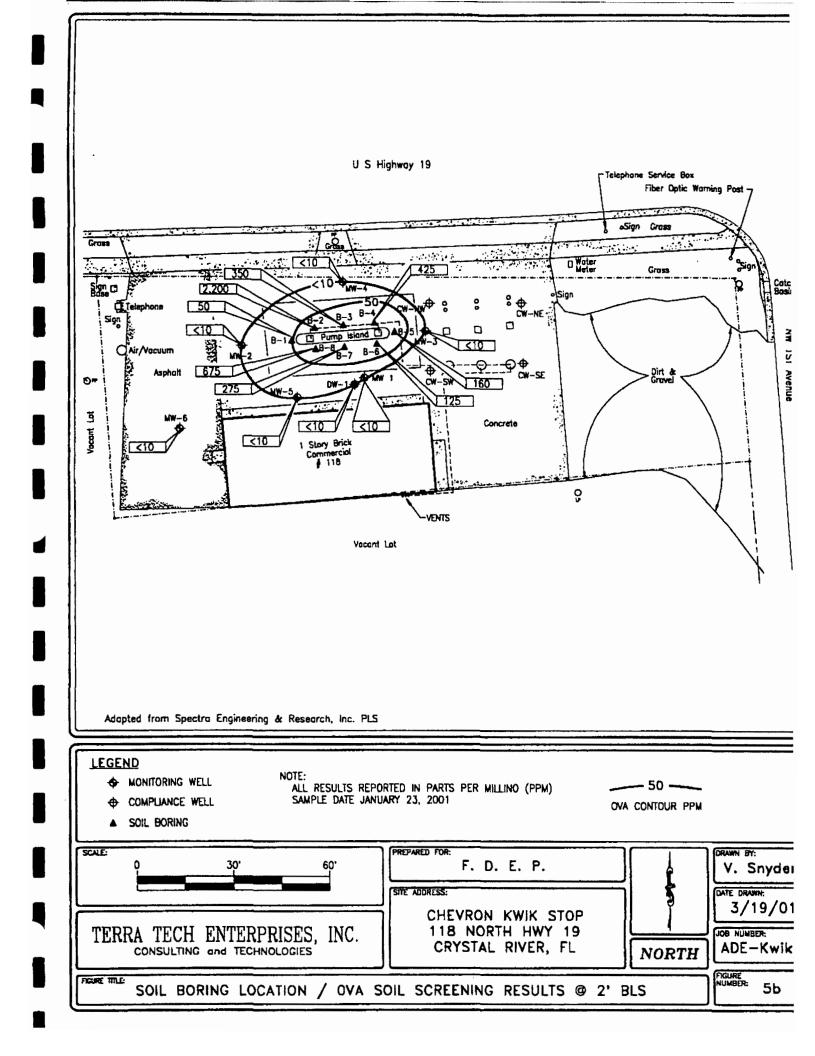


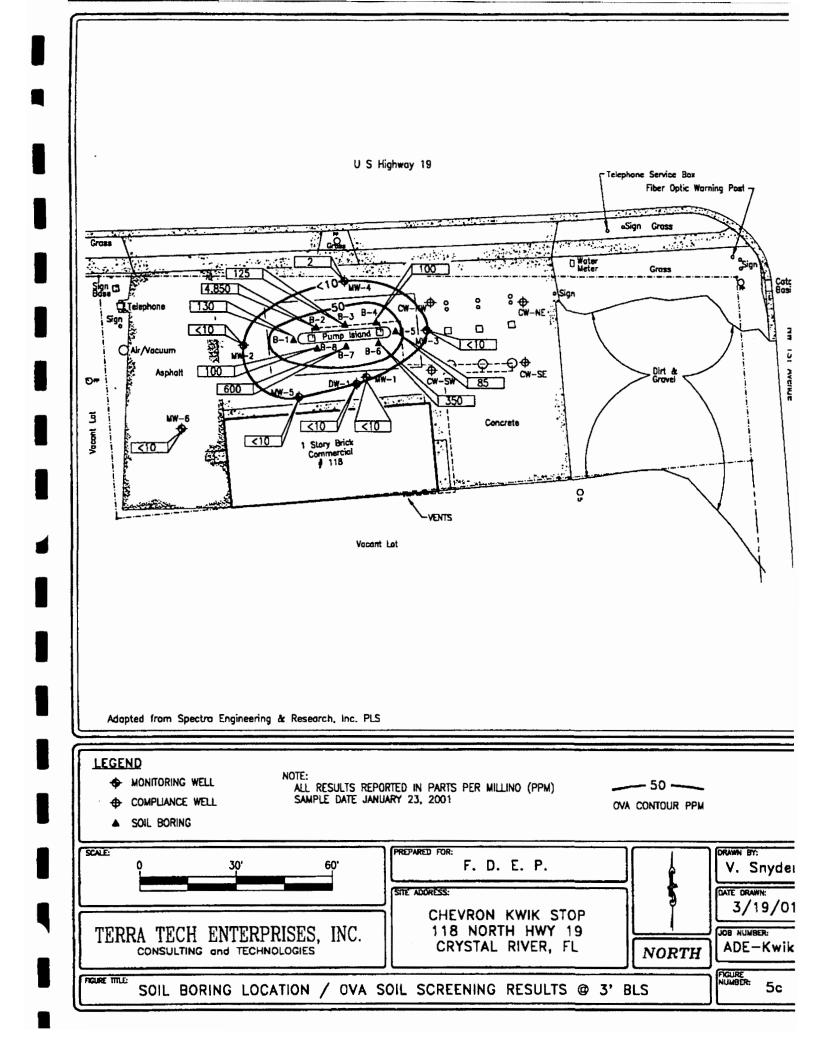


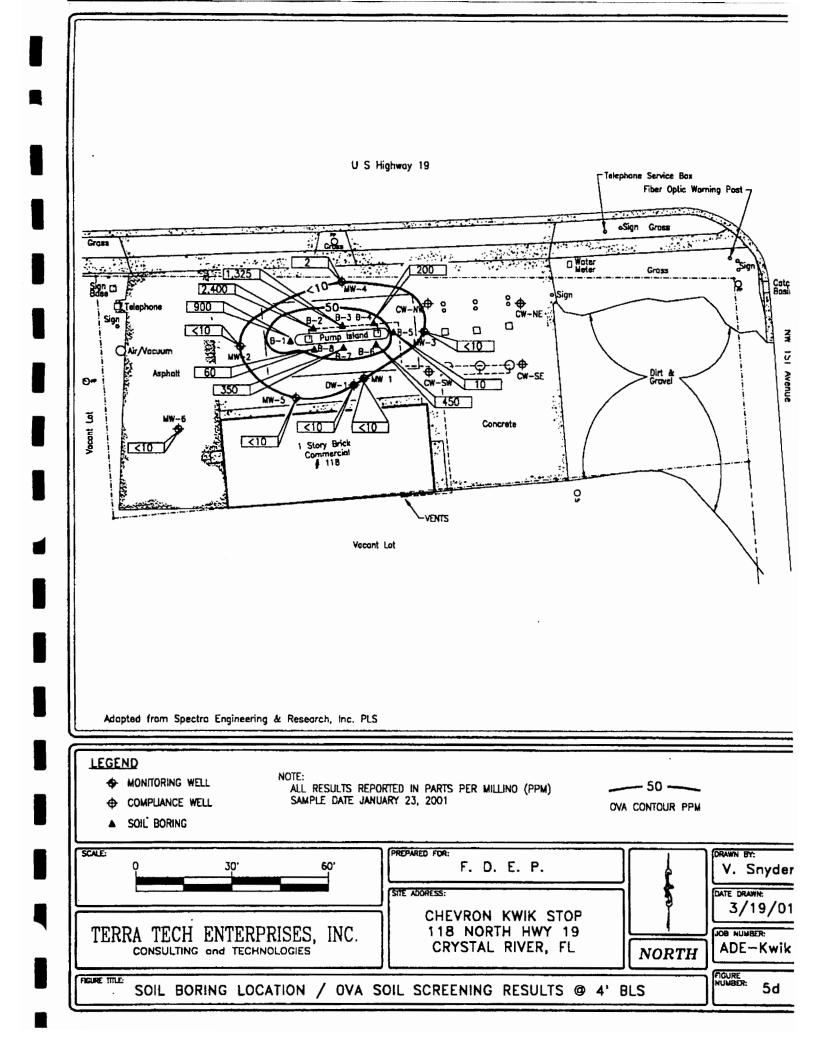


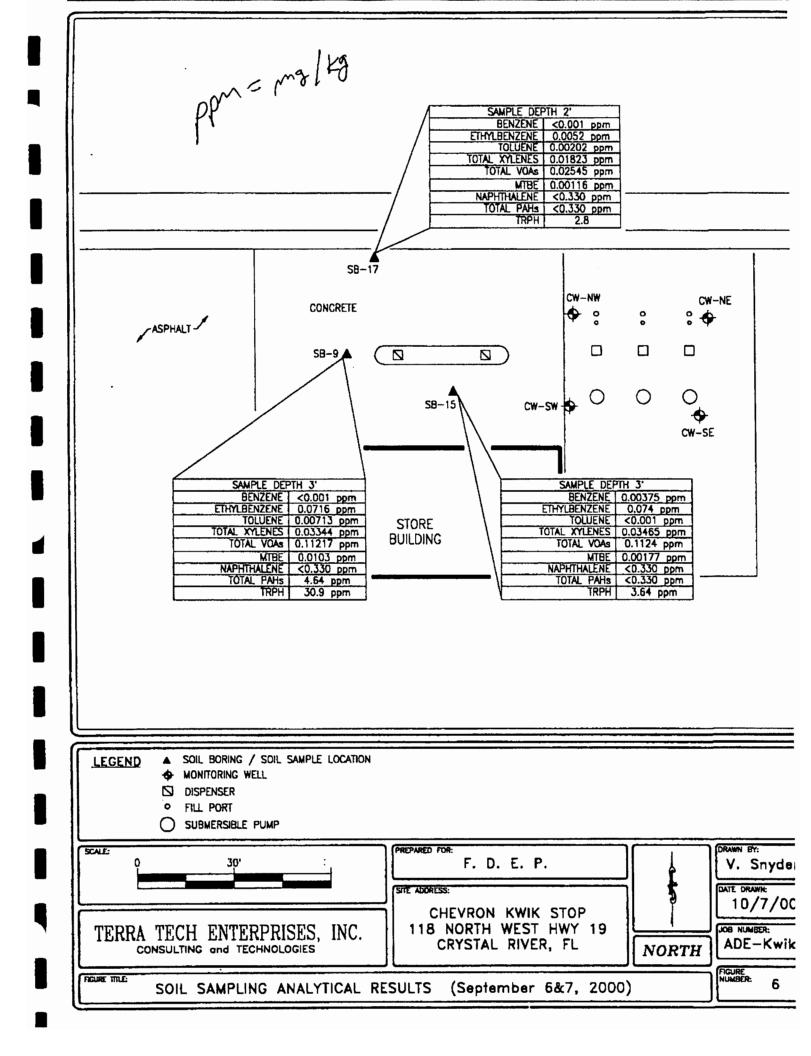


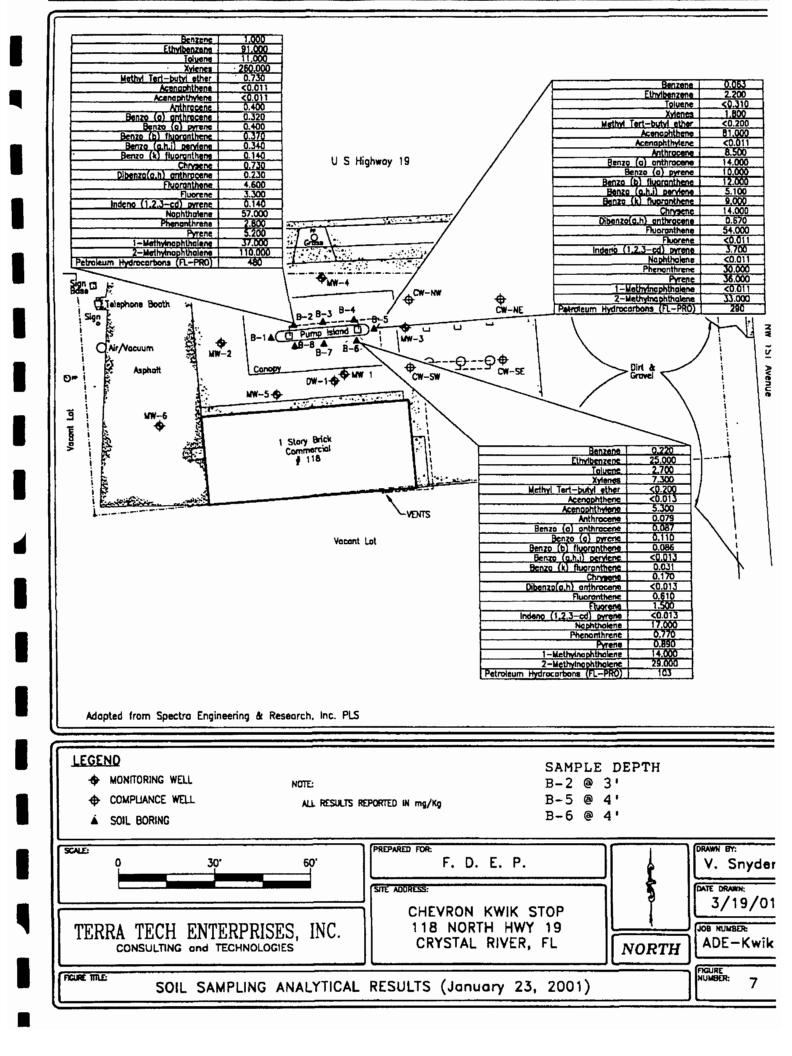


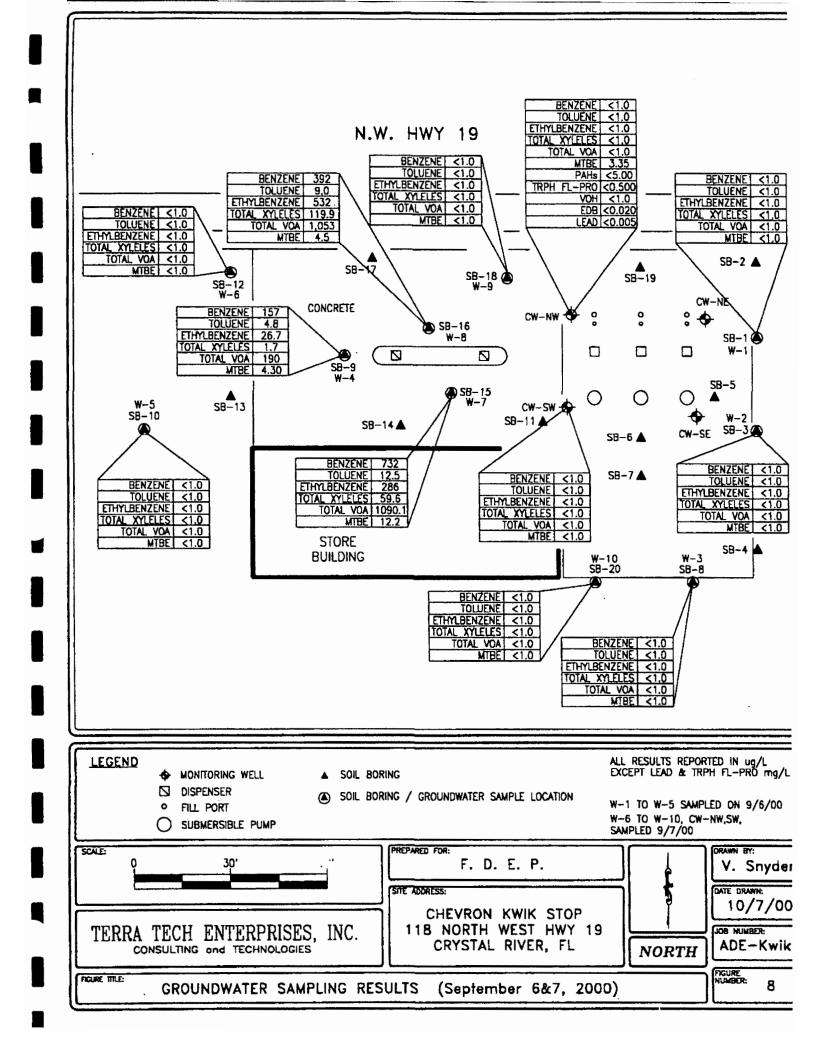


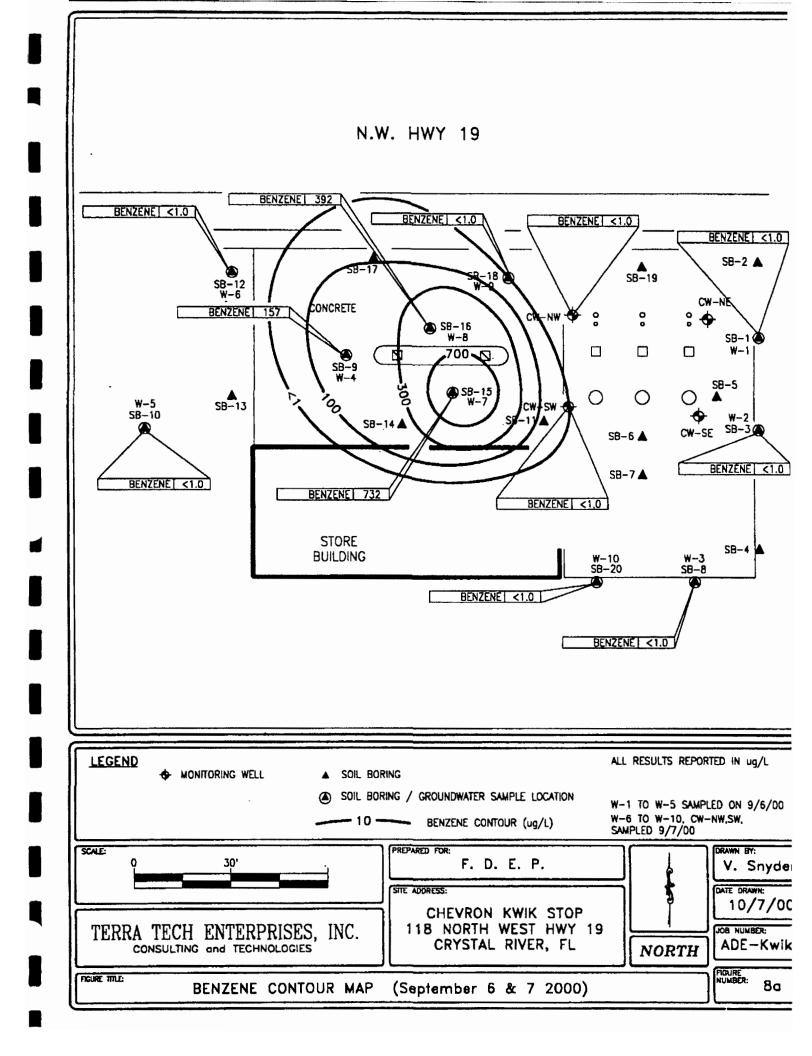


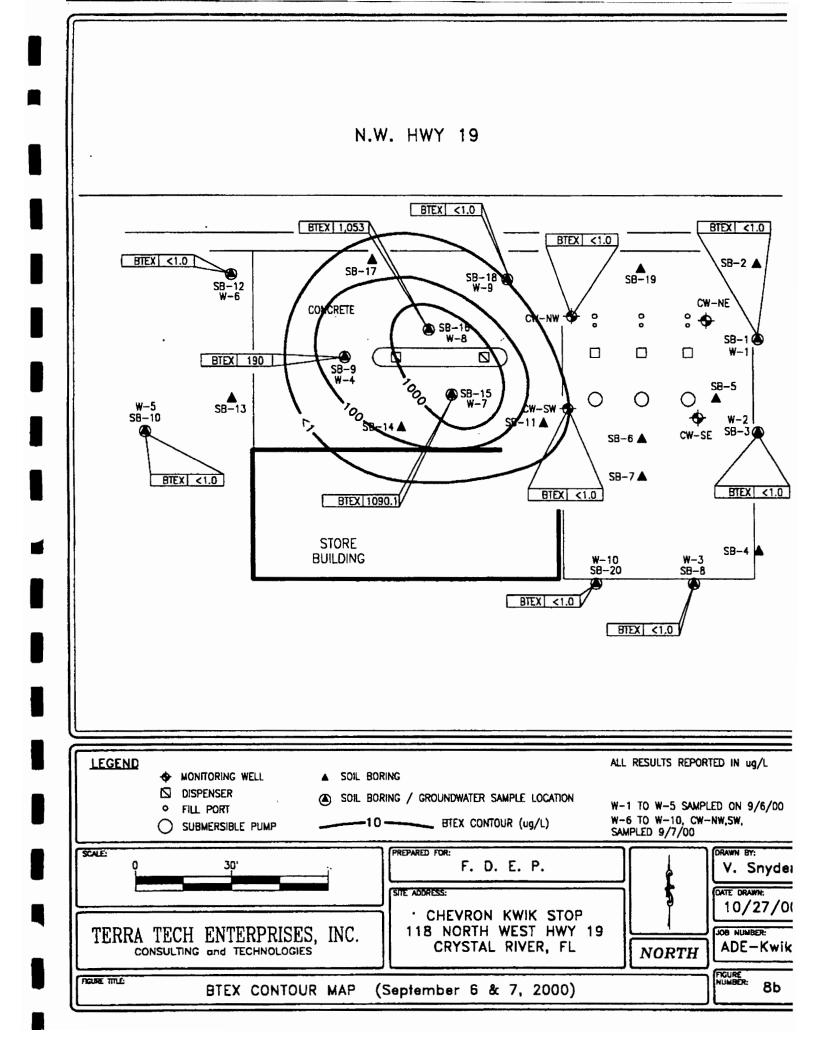


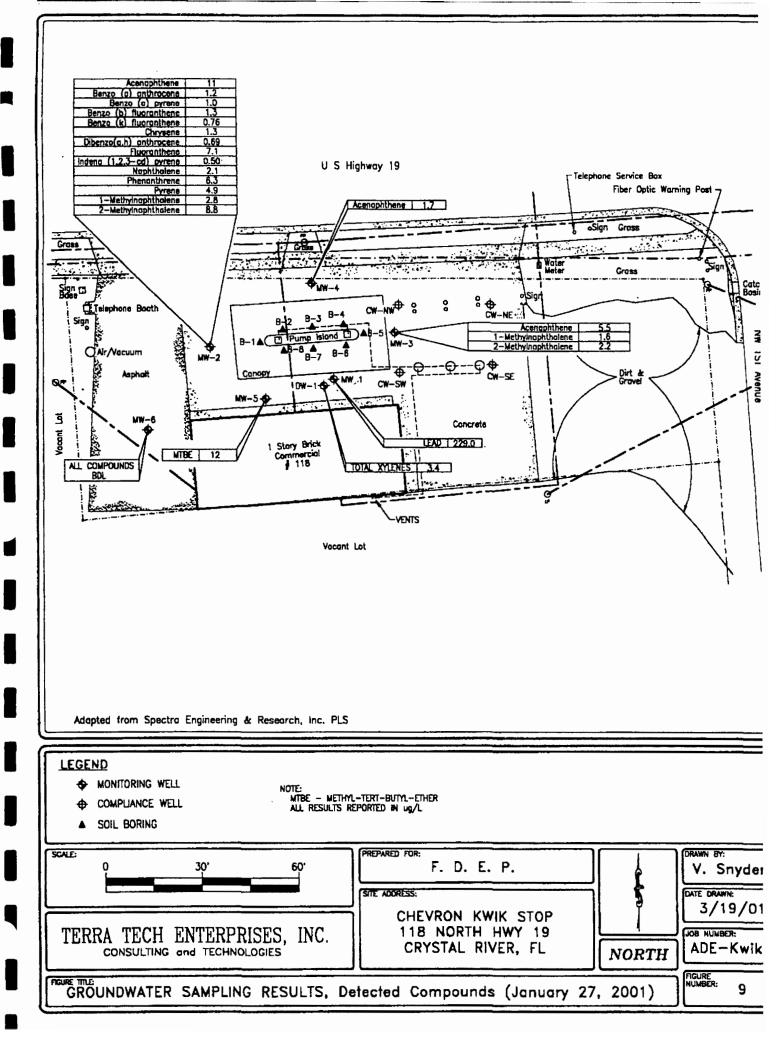


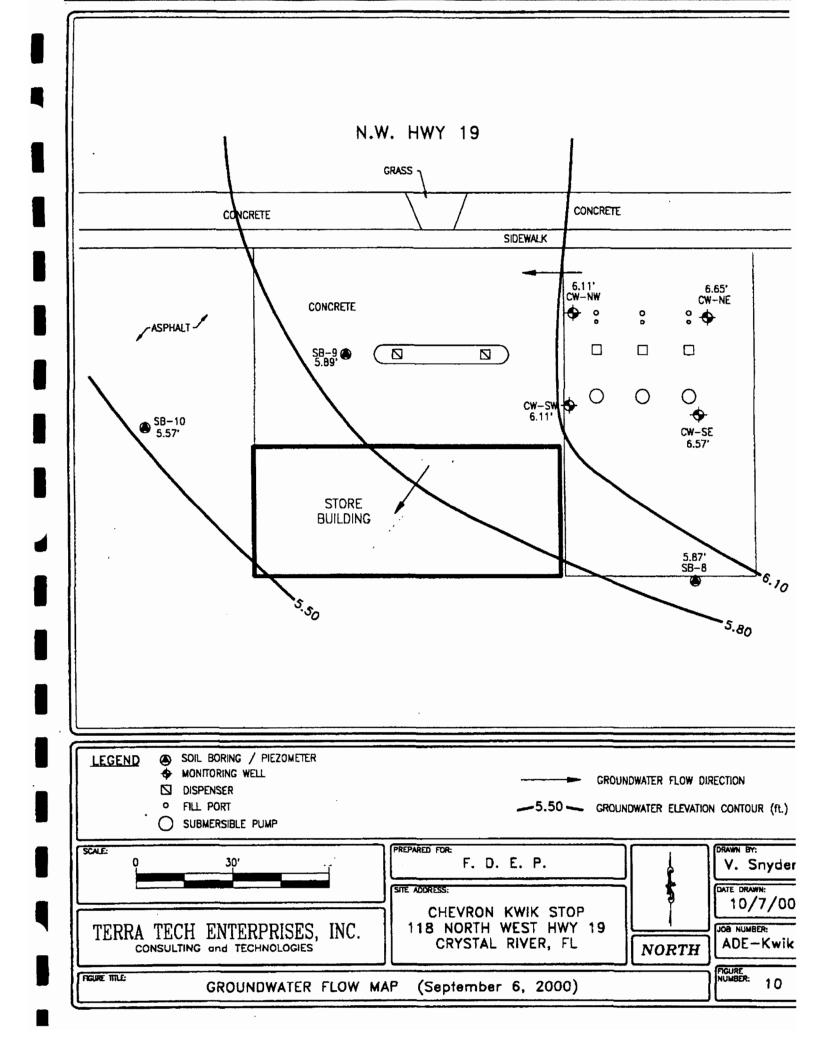


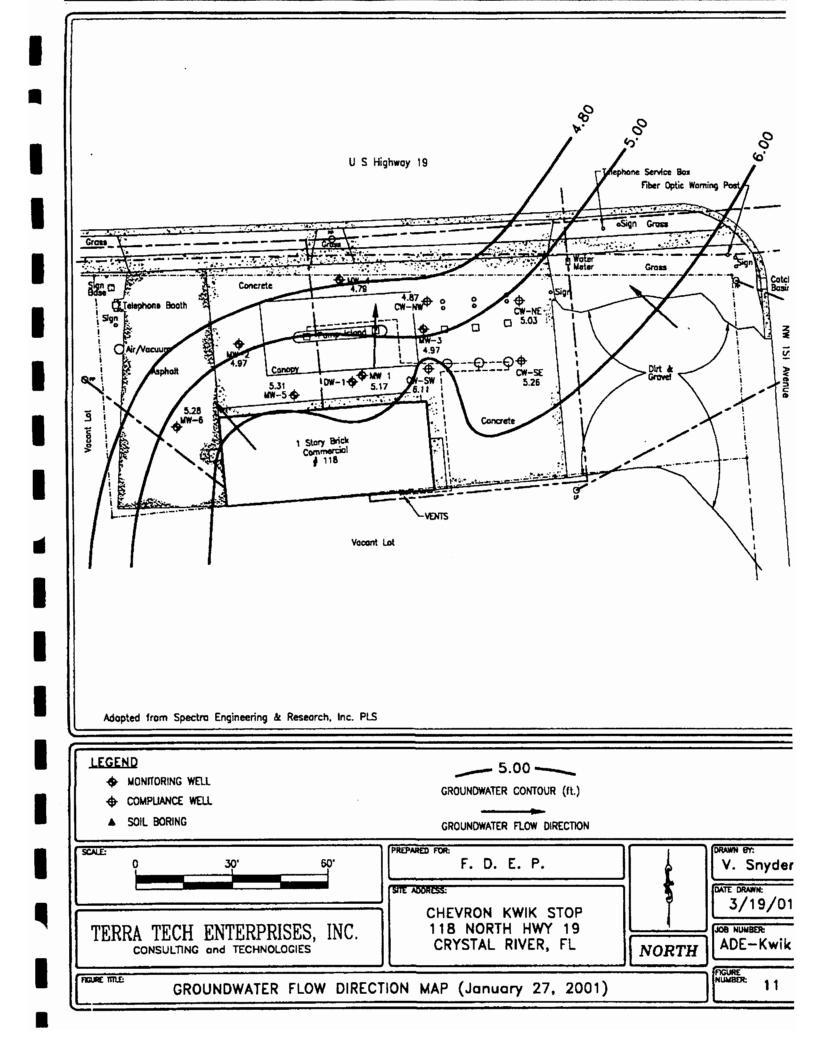


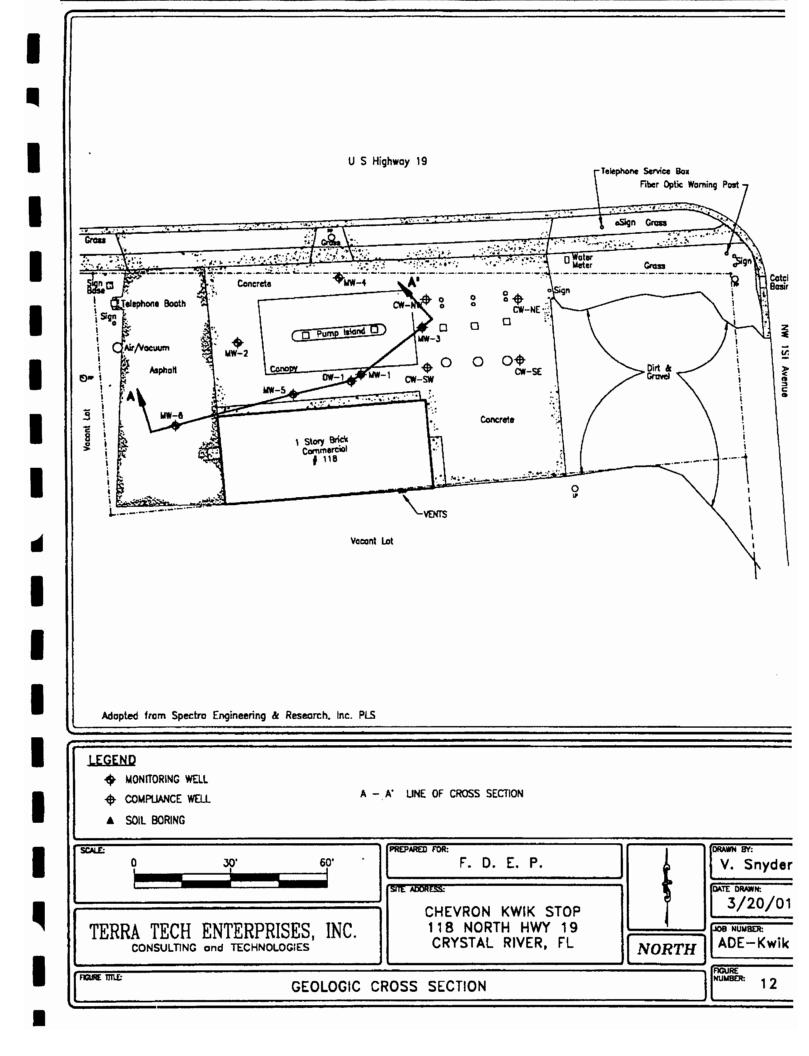


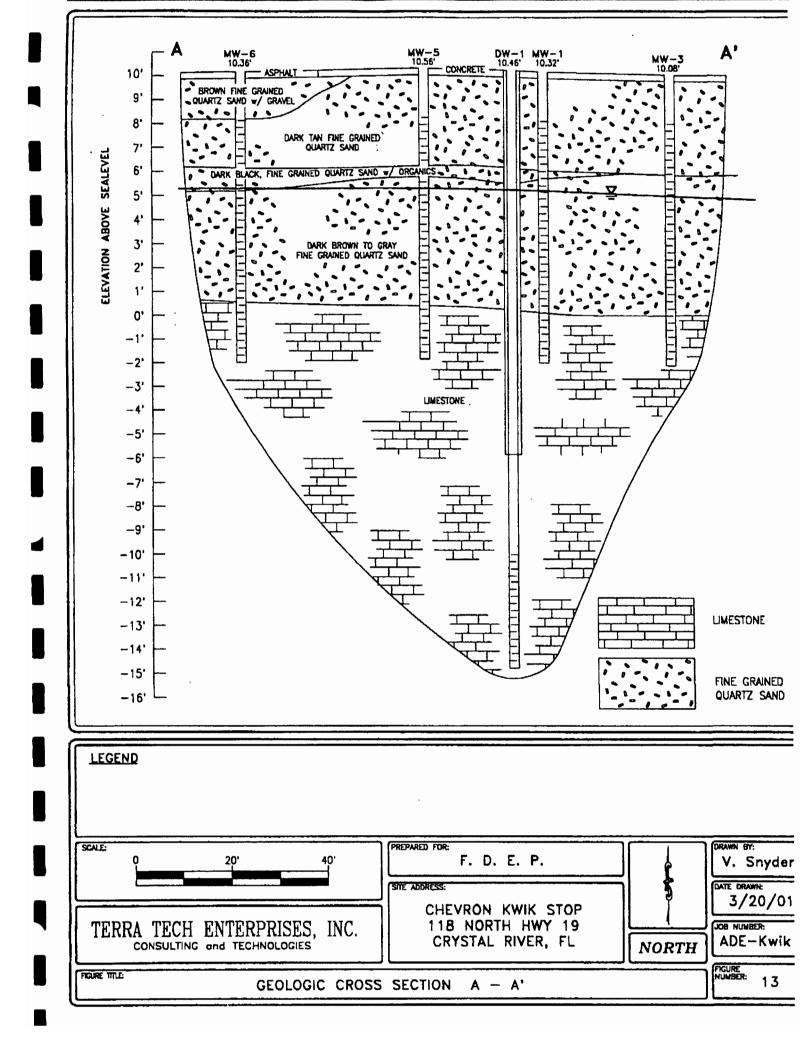


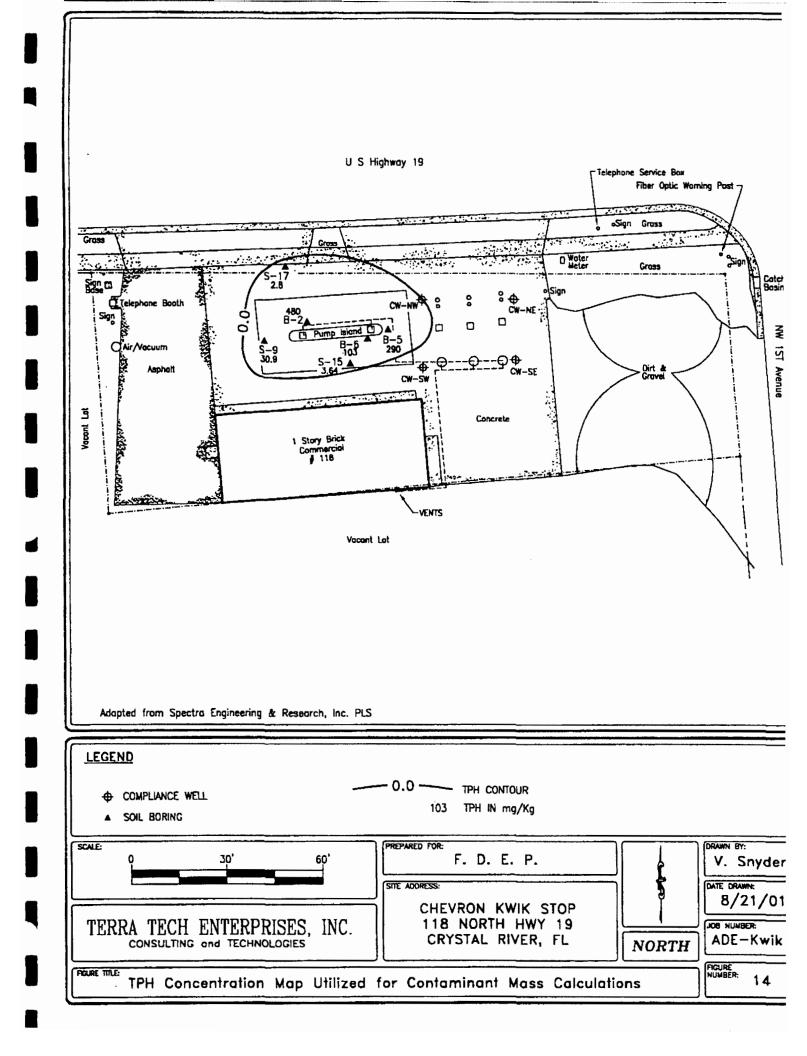


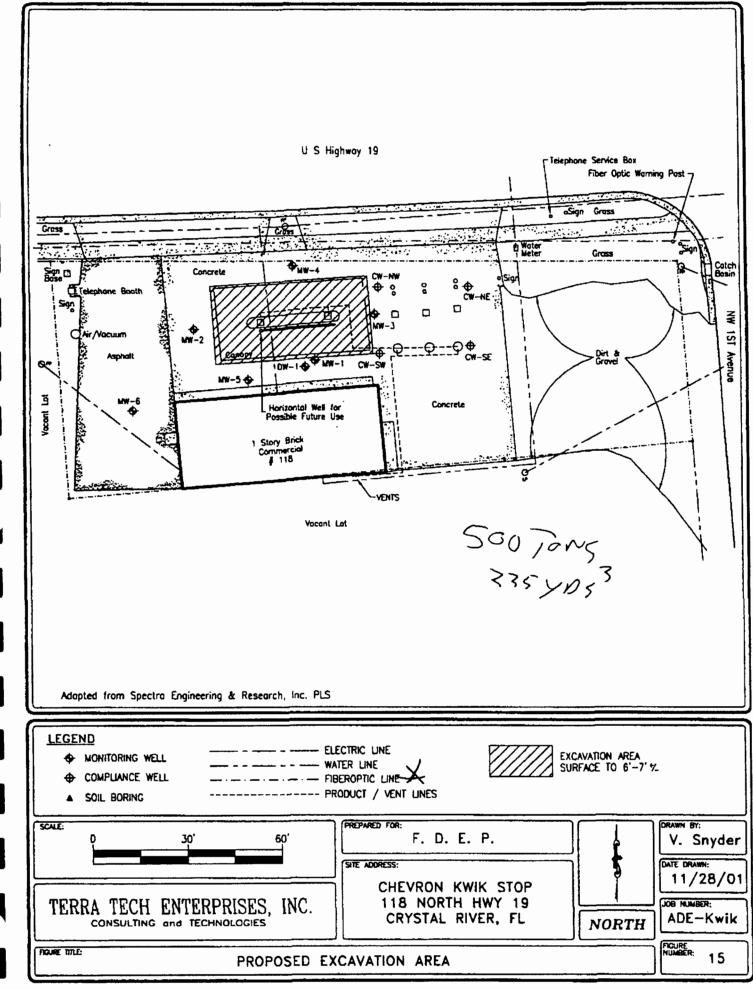


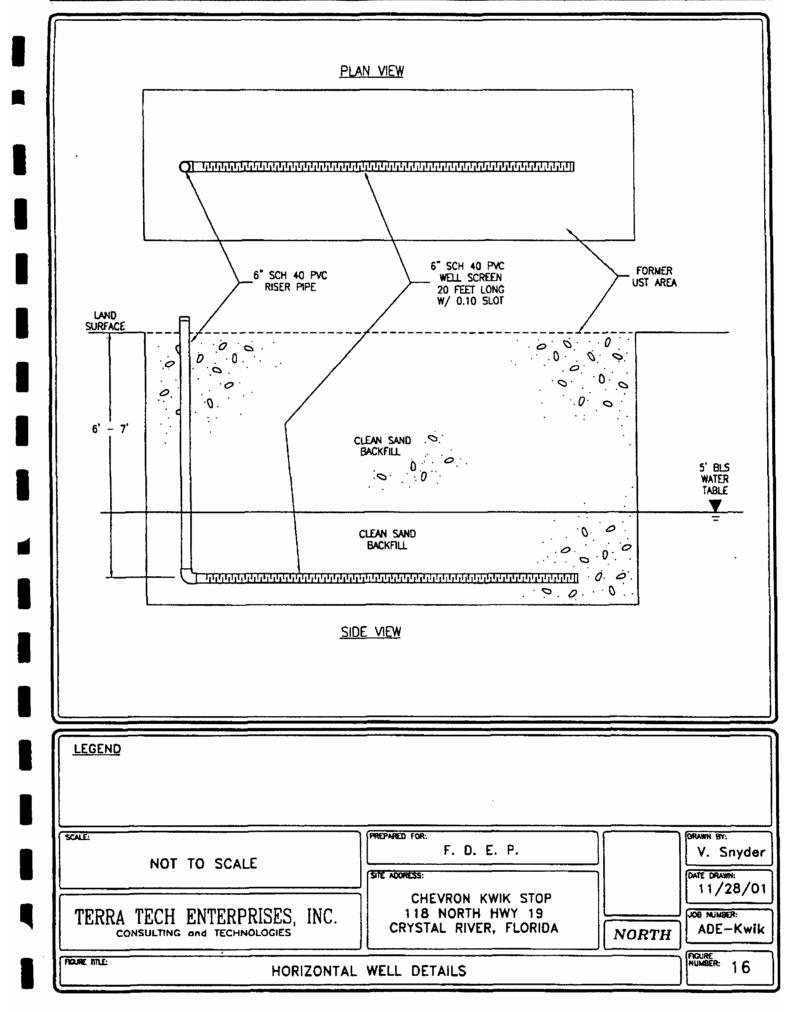


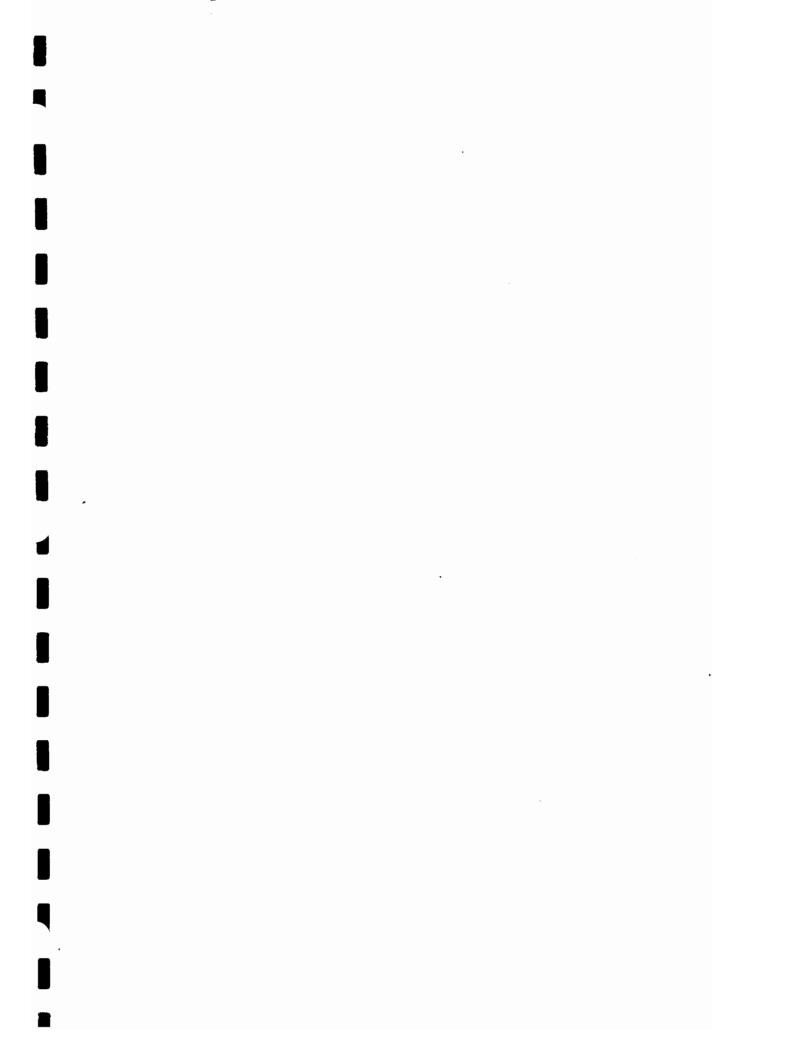












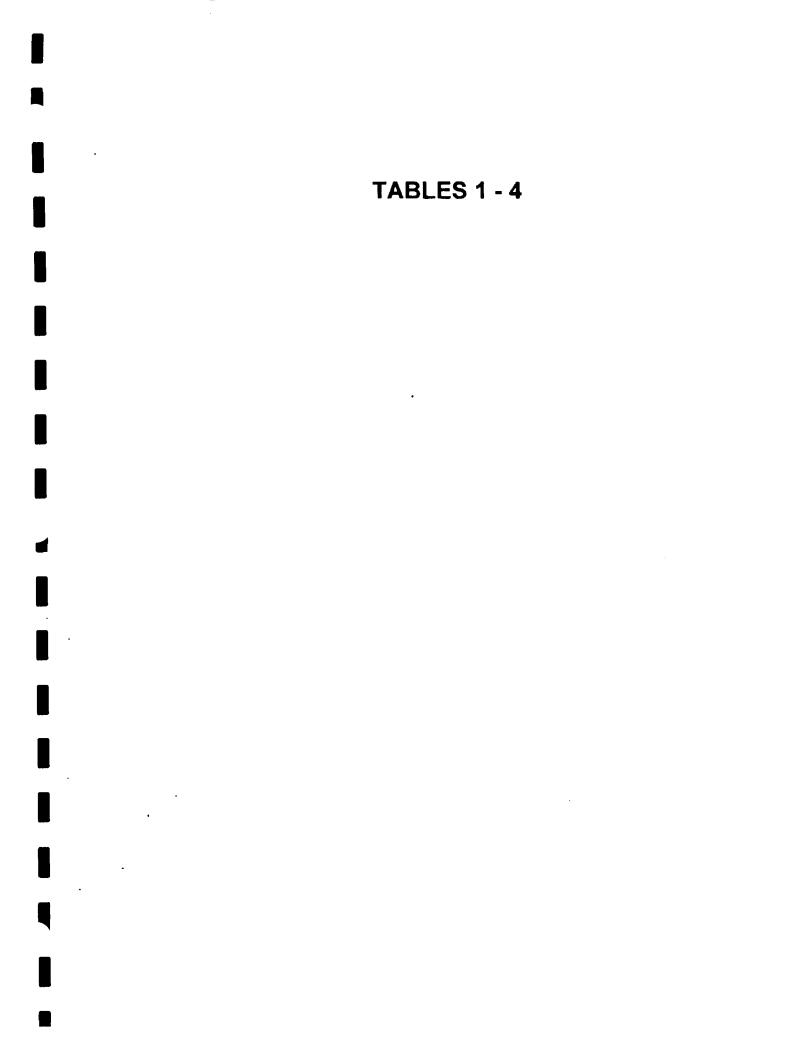


TABLE 1: SOIL SCREENING SUMMARY

Facility Name: CHEVRON KWIK STOP

Facility ID# 098503048

	SAMPLE			OVA SCR		ESULTS	
BORING	DATE	DEPTH	SAMPLE	TOTAL	CARBON	NET	
ND.	COLLECTED	TO	INTERVAL	READING	FILTERED	READING	COMMENTS
		WATER	(FBLS)	(ppm)	(ppm)	(ppm)	
SB-1	09/06/00	4'	1'	<1	4	<1	
S8-1	09/06/00	4'	2	<1	(1	<1	
SB-1	09/06/00	4'	3	<1	<1	<1	
SB-2	09/06/00	4'	1'	<1	<1	<1	
SB-2	09/05/00	4'	2	<1	<1	<1	
SB-2	09/06/00	4'	3	<1	<1	<1	
SB-3	09/06/00	4'	1'	<1	<1	<1	
SB-3	09/06/00	4'	2		<1	۲۱	· ···
SB-3	09/06/00	4'	3	۲۱	<1	<1	
SB-4	09/06/00	4'	1'	<1	<1	<1	
SB-4	09/06/00	4'		<u> (1</u>	<1	<1	
SB-4	09/06/00	4'	3	۲۱	<1	۲۱	
S8-5	09/06/00	4'	1'	<1	<1	<1	
S8-5	09/06/00	4'	2	(1	<1	(1	· · · · · · · · · · · · · · · · · · ·
SB-5	09/06/00	4'	3'	۲۱ (۱	<1	ر1	
SB-6	09/06/00	- 4'	1'	<1	<1	<1	
SB-6	09/06/00	4	2	<1	<1	<1	···
SB-6	09/06/00	4'	3	۲۱	<1	<1	
S8-7	09/06/00	4'	1.	<1	<1	<1	
58.7	09/06/00	4'	2	<1 (1	. <1		l
SB-7	09/06/00	4'	3	(1	<1	<1	
SB-8	09/06/00	4'	1,	۲۱	<1	<1	
SB-8	09/06/00	4'	2	<1	<1	_ (1 .	
S8-8	09/06/00	4'	3	<1	<1	<1	
SB-9	09/06/00	4'	1'	120	2	118	
SB-9	09/06/00	4'	2.	140	5	135	
S8-9	09/06/00	4'	3	630	65	565	Lab sample (M)
SB-10	09/06/00	4'	1'		<1		
58-10	09/06/00	4'		<1	(1		
58-10	09/06/00	4'	3	<1	<1	(1	
SB-11	09/06/00	4'	1'		<1		
58-11	09/06/00	4'	2	(1)	<1	<1	
\$8-11	09/06/00	4'	3	<1	<1	(1	
SB-12	09/07/00	4	<u> </u>	. (1	(1		
SB-12	09/07/00	4	2	<u>(1</u>)		<1(1	
SB-12	09/07/00	4'		(1	(1	(1	
SB-13	09/07/00	4'	· 1'				
SB-13	09/07/00	4'	~ ~ ~	(1	<pre> <1 .</pre>	<1(1	
SB-13	09/07/00	4.	3	(1	<1	<1	
\$8-14	09/07/00	4'	- 1'	<u>58</u>	- 48	20	
SB-14	09/07/00	4'	- 2	24		11	• •
SB-14	09/07/00	4'	3	19	2	17	1

TABLE 1: SOIL SCREENING SUMMARY (Continued)

Facility Name: CHEVRON KWIK STOP

1

_

Facility 1D# 098503048

	SAMPLE			OVA SCF	REENING	RESULTS	
BORING	DATE	DEPTH	SAMPLE	TOTAL	CARBON	NET	
NO.	COLLECTED	то	INTERVAL	READING	FILTERED	READING	COMMENTS
		WATER	(FBLS)	(ppm)	(ppm)	(ppm)	
SB-15	09/07/00	4'	1'	70	20	50	
SB-15	09/07/00	4'	2'	940	300	640	
SB-15	09/07/00	4'	3'	>1000	180	>820	Lab sample (H)
SB-16	09/07/00	4'	1'	680	400	280	
SB-16	09/07/00	4'	2'	>1000	260	>740	
SB-16	09/07/00	4'	3'	>1000	600	>400	
SB-17	.09/07/00	4'	1'	280	7	273	
SB-17	09/07/00	4'	2'	125	40	85	Lab sample (L)
*SB-17	09/07/00	4'	3'	400	230	170	
SB-18	09/07/00	4'	1'	<1	<1	<1	
SB-18	09/07/00	4'	2'	<1	<1	<1	
SB-18	09/07/00	4'	3'	<1	<1	<1	
SB-19	09/07/00	4'	1'	<1	<1	<1	
SB-19	09/07/00	4'	2'	<1	<1 -	<1	
SB-19	. 09/07/00	4'	3'	<1	<1	ंदा	
S B -20	09/07/00	4'	1'	<1	<1	<1	
SB-20	09/07/00	4'	2'	<1	<1	<1	
SB-20	09/07/00	4'	3'	<1	1	<1	
B-1	01/23/01	5'		50	30	20	
B-1	01/23/01	5'	2'	90	40	50	
B-1	01/23/01	5'	3'	150	20	130	
B-1	01/23/01	5'	4'	1000	100	900	
B-2	01/23/01	5'	1'	110	20	90	
B-2	01/23/01	5'	2'	2300	100	2200	
B-2	01/23/01	5'	3'	5000	150	4850	Lab sample (H)
B-2	01/23/01	5'	4'	2500	100	2400	
B-3	01/23/01	5'	!'	140	30	110	
B- 3	01/23/01	5'	2'	400	50	350	
8-3	01/23/01	5'	<u> </u>	300	175	125	
B-3	01/23/01	5'	4'	1500	175	1325	
B-4	01/23/01	5'	1'	280	40	240	
B-4	01/23/01	5'	2'	500	75	425	
B-4	01/23/01	5'	3'	150	50	100	
B-4	01/23/01	5'	4'	300	100	200	
B-5	01/23/01	5'	<u>1'</u>	60	40	40	
B-5	01/23/01	5'	2'	200	40	160	
B-5	01/23/01	5'		125	40	85	
B-5	01/23/01	5'	4'	40	30	10	Lab sample (L)

TABLE 1: SOIL SCREENING SUMMARY (Continued)

Facility Name: CHEVRON KWIK STOP

_

Facility ID# 098503048

	SAMPLE			OVA SCI	REENING	RESULTS	
BORING	DATE	DEPTH	SAMPLE	TOTAL	CARBON	NET	
NO.	COLLECTED	то	INTERVAL	READING	FILTERED	READING	COMMENTS
		WATER	(FBLS)	(ppm)	(ppm)	(ppm)	
B- 6	01/23/01	5'	1'	90	10	80	
B-6	01/23/01	5'	2'	200	75	125	
B-6	01/23/01	5'	3'	400	50	350	
B-6	01/23/01	5'	4'	600	150	450	Lab sample (M)
8-7	01/23/01	5'	1'	140	15	125	
B-7	01/23/01	5'	2'	350	75	275	
B-7	01/23/01	5'	3'	750	150	600	
B -7	01/23/01	. 5'	4'	500	150	350	
B-8	01/23/01	5'	1'	600	80	520	
B-8	01/23/01	5'	2*	750	75	675	
B-8	01/23/01	5'	3'	150	50	100	
B-8	01/23/01	5'	4'	80	20	60	
MW1,2,3	01/22/01	5'	1'	<10	<10	<10	
MW1.2.3	01/22/01	5'	2'	<10	<10	<10	
MW1,2,3	01/22/01	5'	3'	<10	<10	<10	
MW1,2,3	01/22/01	5'	4'	<10 [°]	<10	<10	
MW-4	01/22/01	5'	1'	<10	<10	<10	
MW-4	01/22/01	5'	2'	<10	<10	<10	
MW-4	01/22/01	5'	3'	30	28	2	
MW-4	01/22/01	5'	4'	30	28	2	
MW-5,6	01/22/01	5'	1'	<10	<10	<10	
MW-5,6	01/22/01	5'	2'	<10	<10	<10	
MW-5,6	01/22/01	5'	3'	<10	<10	<10	
MW-5,6	01/22/01	5'	4'	<10	<10	<10	
DW-1	01/22/01	5'	1'	<10	<10	< 10	
DW-1	01/22/01	5'	2'	<10	<10	<10	
DW-1	01/22/01	5'	3'	<10	<10	<10	
DW-1	01/22/01	5'	4'	<10	<10	<10	
						-	

TABLE 2: SOIL ANALYTICAL SUMMARY

											spunoc
			Comments		 Phenanthrene (1.19). Flouranthene (0.81). Benzo(a)anthracene (0.42). Benzo(b)fiouranthene (0.55). Benzo(a)pyrene (0.39). Pyrene 	(0.89). Chrysene (0.39)		 Anthracene (0.4). Benzo (a) anthracene (0.32). Benzo (a) pyrene (0.4). Benzo (b) fluoranthene (.37). Benzo (g.h.i) perytene (0.34). Benzo (g.h.i) perytene (0.14). Chrysene (0.73). Dibenzo (a.h) anthracene (0.73). Dibenzo (a.h) anthracene (0.23). Fluoranthene (4.6). Fluorene (3.3). Indeno (1.2.3-cd) pyrene (0.14). Phenanthrene (2.8). Pyrene (5.2) 		 Accnaphthene (81). Anthracene (8.5). Benzo (a) anthracene (14). Benzo (a) pyrene (10). Benzo (b) fluoranthene (12). Benzo (g.h.i) perylene (5.1). Benzo (k.h.i) tuoranthene (9). Chrysene (14). Dibenzo (a.h) anthracene (0.67). Fluuranthene (3.7). Phenanthrene (12.3 cd) pyrene (3.7). Phenanthrene (36). 	 *Acenaphthytene (5.3). Anthracene (0.079). Benzo (a) anthracene (0.087). Benzo (a) pyrene (0.11). Benzo (b) fluoranthene (0.031). Chrysene (0.17). Fluoranthene (0.031). Chrysene (0.17). Fluoranthene (0.61). Fluorene (1.5). Phrenarthrene (0.71). Pyrene (0.89)
			(mqq)	3.64	30.9	ä	480	1	290		33 - 103 Teial PAHo
		Total	(mqq)	<0.330	4.64*	066.07	18.97		277.97		9.633* Tot
Facility ID#: 098503048		Naph-	(ppm)	<0.330	<0.330	066.07	SOA.		£		8°.
# : 098	alyses		MTBE (ppm)	0.00177	0.0103	1000	0.73	2	<0.2		¢0.2
ility ID	Laboratory Analyses	Total	(mqq)	0,1124		0.07645	01100.0 040000 02010.0	}	4.063		35.22
Fac	Labor	Total	Xylenes (ppm)	0.03465	0.03344		0.010.0	3	1.8		7.3
			(ppm)	<0.001		00000	20200.0	:	<0.31		25 2.7 7.3 2 Mothula ashthalone
		Ethyl-	benzene (ppm)	0.074	0.0716			5	2.2		
Р			Benzene (ppm)	0 00375	100.0×		<0.001	-	0.063		0.22 0.22
IK STO	OVA	Net OVA	Reading (ppm)	>A20	565		125	56 50 50	10		450 1 Math.
ON KW		Sample	Interval (fbls)		n in		2,	'n	4'		4. Actodate
CHEVR	<u>ه</u>	Depth	to Water (ft)		4		.4	in	io		5. 4'
Facility Name: CHEVRON KWIK STOP	Sample	Date	Collected	00100			00/1/6	1/23/01	1/23/01		M) 1/23/01
Facility		Boring	No.		(W) 6-85		SB-17 (L)	B-2 (H)	B-5 (L)		B-6 (M)

VOHs Below Detection Limits - BDL BDL Analytical Results = ug/L Not Sampled = NS Lead 229.0 TABLE 3: GROUNDWATER ANALYTICAL SUMMARY PAHs 36.05 BDL 5.5 FL-PRO(mg/L) HGRT BDL BDL BDL 98503048 Naphthalenes 13.70 BDL 3.8 MTBE BOL BDL BDL Facility ID#: Total VOA BDL BDL BDL Xylenes Total BDL BDL BDL Benzene Toluene Benzene E the BDL BDL BDL CHEVRON KWIK STOP BDL BOL BDL BOL BOL BDL 1/27/01 10/22/1 Date 1/27/01 Facility Name: Sample Location 6-WW I-WW **WW-**2

TABLE 3: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: CHEVRON KWIK STOP

98503048

Facility ID#:

Below Detection Limits = BDL Not Sampled = NS Anetytical Results = ug/L

٢

•

	· · · · · · · · · · · · · · · · · · ·		
SHOV		· · · · · · · · · · ·	
Lead			
EDB			
PAHs	2: 	BOL	BDL
TRPH FL-PR0(mg/L)	80	B	BDL
Naphthalenes	BDL	BDL .	BDL
MTBE		5	
Total VOA	BOL	BD	BDL
Total Xylenes			BDL
Ethyl Benzene		18	BDL
Toluene		DB	
Benzene	BOL		BDL
ple Date		10/22/1	10/22/1
Semple Location D	MW-4	S-WW	9- <i>\</i> \\\\

VOHs Below Detection Limits = BDL Analytical Results - ug/L Not Sampled - NS Lead EOB PAHs BDL FL-PRO(mg/L) TRPH BDL . 98503048 Naphthalenes Ы СВ MTBE BDL Facility ID#: Totel VOA 3.4 Benzene Xylenes Totał 3.4 Ethyl BOL CHEVRON KWIK STOP Benzene Toluene BDL BDL 10/22/1 Date Facility Name: Sample Location DW-1

TABLE 3: GROUNDWATER ANALYTICAL SUMMARY

Below Detection Limits = BDL Analytical Results = ug/L Not Sampled - NS pear BDL EOB BDL HON Ы FL-PRO(mg/L) TRPH BOL 98503048 Naphthalenes BOL MTBE **ć1**.0 ¢1.0 4.30 **1**.0 ¢1.0 12.2 3.35 <1.0 BOL ¢1.0 4.5 ¢1.0 Facility ID#: Totel VOA ¢1.0 <1.0 1090.1 1053 <1.0 ¢1.0 BOL ¢1.0 BDL **1**.0 190 **1**.0 Xylenes Total 119.9 BDL BDL 59.6 ¢1.0 **ć**10 <u>0</u> 0.0 c1.0 c1.0 Benzene Ethy BDL ¢1.0 ¢1.0 BDL ¢1.0 0.0 <1.0 286 **ć1**,0 ¢1.0 26.7 532 CHEVRON KWIK STOP Toluene В <u>(1.0</u> 12.5 BDL 0.0 (1.0 c1.0 9.0 ¢1.0 <1.0 1.0 <u>0</u>.1 8 Benzene ¢1.0 <1.0 BDL ≎ 0 1.0 BDL 1.0 1.0 732 392 0.12 57 00/9/6 00/9/6 00/2/6 00/1/6 00/2/6 00/2/6 00/2/6 00/1/6 Date 00/9/6 00/9/6 9/6/00 Facility Name: Sample Location CW-NW CW-SW 01-W W-2 ¥-3 <u>۲-5</u> ∿-6 ₩-8 6-**^** <u>×</u>4 <u>v-</u>7 ž

TABLE 3: GROUNDWATER ANALYTICAL SUMMARY

TABLE 4: GROUNDWATER ELEVATION TABLE

1

*ELEVATIONS CALCULATED WITH TTE TOC SURVEY Facility Name: CHEVRON KWIK STOP

Facility ID#: 098503048

All Measurements = Feet No Data - Blank

1	1						:	1		1	1	(1	1 1	1	!			'	
			FP	00.0			· ·				•		,				:	1		•	
MW-2	12 '3	2-12' 10.26	DTW	5.29	!					i		!	1				ı	1	•		
2	i										 ;			;							
	1	, i	ELEV	4.97	<u>.</u>			;	: :	'	-	:		!	;	1	1	:			
			đ	. 0.0	•	,				•	'							i		:	
5	2 ° 12'	2-12' 10.32	DTW	5.15	;-; !	;	:	•;	-				- :								·
I-NW	2 2				÷		 .	:	• ;	• •				 ;			۱ ۰۰		·		
			ELEV	5.17	;			:	. i			•	:		·						
			đ	0.00	•	,		i			:	:			!		,				
Ň		32, <u>5</u> 2	3		·	· · · - ¦		1			_! 		i			 				•	· ·
CW-SW	 6.20'	0-6.20			<u> </u>	! _	:	;		1		_;			,	۱ ۲	!	ì			
		i .	ELEV	6.11 - 6.11			! .			ļ				ł			'				
	_		e l	00.0	:			i	; .	ļ	,	1		1			:				
Ш		, 2 g				· ·									,	.	!		•	• •	: ~
CW-SE	2°	0-8.70		·	·····	·		!			:		:_	:	.	י <u>ן</u> :					
	1		ELEV	6.57* 5.26						i	;		: :	:		•					
			1	0.0					;	:	;			'							
ξ	-		1 –			· ·								:	:	: -				-	
CW-NV	2° 780'	0-7.40 10.11	MT0	3.91	, · · · · · · · · · · · · · · · · · · ·	140			1							'		.			
		!	E L	6.11 ⁻ 4.87			:	:	i												
			- L	<u> </u>	 3	•			;							· · · · · · · · · · · · · · · · · · ·				<u> </u>	
ш	'. 	ē a	1 L	.	-,	. :	:			• • ;		· -				;	: 			· .	
CW-NE	, . 2.	0-9.60 10.01	MLC	3.61	D								• _ • • • •			:					
				6.65* 5.03	C. C. C. C. C. C. C. C. C. C. C. C. C. C																
\vdash	1		┫┣						, 1							, 1	1				
	•	TERVAL		00/9/6				• .	i							ı	•	'			
WELL NO.	DIAMETER	WELL DEPTH SCREEN INTERVAL		8					:						1	:					
WEL	DIAN	SCH							:						!	•	!	_			

TABLE 4: GROUNDWATER ELEVATION TABLE (Continued)

i

Facility Name: CHEVRON KWIK STOP

Facility ID#: 098503048

All Measurements = Feet No Oata = Blank

احام م						
10.45 ELEV DTW	10.46 DTW 5.50	10.46 DTW	10.46	10.46	4.01 5.50 	10.46
ELEV DTW FP	DTW FP 5.08 0.00	DTW FP 5.08 0.00	DTW FP 5.08 0.00	DTW FP 5.08 0.00	DTW FP	DTW FP 5.08 0.00 0.00
ЕÞ		Е	ЕР 1000 1000 1000 1000 1000 1000 1000 10			
ELEV	W FP ELEV	6P ELEV	6P ELEV	ELEV 6.31	67 ELEV	
ELEV	6.00 4.79 5.22	ELEV 4.79	0.00 4.79	0.00 4.79 0.00 1.79	0.00 4.79 0.00 1.79	0.00 4.79 ELEV
	5.11	1	E	1		
		~	6	6	6	261

Site No. 86 Charlie's Fish House, Inc. 224 N. Suncoast Boulevard Crystal River, Florida FDEP I.D. Nos. 098503046 and 099046097

Division of V Bureau of Petro	stone Road © Tallahassee, Florida 32399-2400 Vaste Management Ieum Storage Systems
Storage Tank Facility C	ompliance Inspection Report
Facility ID 553046 County 090	CITRUS Inspection Date 10/10/00
Facility Name CHARLIES FUSH HO	USE Facility Type V-MARINE
Latitude 28°53'56" Longitude 52	35'45" L/L Method AGPS
Check box to identify type of inspection performed. Update latitude/longi Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), " Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	tude as necessary. # USTs # ATSs GGPS" (Trimble)). Inspected Inspected
Compliance Inspection (Annual) TCI	Installation Inspection TIN
Compliance Inspection (DRF received) TCDI	Closure Inspection TXI
Compliance Inspection (Complaint received) TCPI Discharge Evaluation ("short form") TDI	Compliance Re-Inspection TCR ** Record the results of the TDI in a Discharge Project
"Code" in block below corresponds to the Rule Cite; represents a Data Entry Cod	
Rule Cite Description / Inspector's Comme	
Connects. Releasedetection	in 15 a Visitel Cleck
of the tank, C	intainment Wall, Dispenser
Cinel, and above a	
	byees. Conditions are noted
	Drain Value Las been
	iping is equipped with
	Sy plan value. Continue to
	stof Wall and Dispenses lines.
Financial Responsibility - Verify owner's coverage. Select Insurance	
$\underline{\times}$ Insurance Carrier: <u>ACORD</u>	_ Effective Date 230/9 Expiration Date: 12/33/00
Other Coverage meeting federal financial responsibility requirem	nents. Mechanism:
None	
Based upon the inspection results and information provided by the or Florida Administrative Code 62-761. Yes A re-inspection will be scheduled on or after days to verify correc	wner/operator, this facility appears to meet the requirements of O No O CWOE Compliance without Enforcement tion of the non-compliance items noted.
C. TRUS CAITY ENV HEALTH	352-527-5295
Storage Tank Program Office	Storage Tank Program Office Phone Number CHARCES KOFMEALL
Inspector Name – Please Print	Facility Representative Name – Please Print
Mark Sen 10/10/00	Mark Schull 10-10-00
Inspector Signature & Date	Facility Representative Signature & Date

	1	1
Page _	of	
		_



Robert G. Brooks, M.D. Secretary

October 12, 2000

Jeb Bush

Governor

Mr. Kofmehl Charlie's Fish House P.O. Box 395 Crystal River, FL 32623

> RE: ID # 098503046 Charlie's Fish House 224 Hwy. 19 North Crystal River, FL 32623

Dear Mr. Kofmehl:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Enclosed, please find a copy of the Storage Tank Facility Compliance Inspection Report for the inspection recently performed at the above named facility. Please refer to this report for comments regarding the inspection.

If there are any questions concerning this matter, you may contact the Storage Tank Program at (352) 527-5295.

Sincerely,

2 S

C. Mark Sumner Environmental Specialist II

Enclosure(s)

CMS/file

CITRUS COUNTY DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH DIVISION STORAGE TANKS INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316

Sprinted on recycled paper

This data is current as of: 04-OCT-2000

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

×

ID#: 8503046DistName: CHARLIES FISH HOUSE INCCou224 Hwy 19 NTCrystal River, FL 32629-4233StaContact: Brownlee JacksonLatitPhone: 904-795-2468Longit

District: SWD County: Citrus Type: Marine Fueling Facility/Coastal Status: Open Latitude: 28:53:56.0000 Longitude: 82:35:45.0000 LL Method: AGPS

Account Owner Information

Name: Whetstone Oil Co Po Box 1257 Crystal River, FL 34423-1237 Phone: 352-795-3464

Tank Owner Information

Name: Whetstone Oil Co Po Box 1257 Crystal River, FL 34423-1237 Phone: 352-795-3464

 Tank
 Size
 Content
 Installed
 Placement Status
 Const Pipe Monitor

2 2000 Vehicular Diesel 02/01/1990 ABOVE

1 1000 Leaded Gas

UNDER A

U

С

K

В

D

A I K Q

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found! FACILITY SITE SKETCH

	RLIES FISH HOUSE		
	HWKIGN		
FDEP NUMBER: 8	503046		
		•	. *
· · ·	NORTH		
	FISH HOUSE		
in	WATER		
FREEZER	2000 AST	X	
кеч:	COMPLIANCE WELLS		DISPENSERS
AST	TANKS		DRIVES/HIGHWAY
22222222	SUMPS	PW	POTABLE WELLS
¢	FILLS		STRUCTURES
х	VENTS	0	OTHER MW'S

DRAWING REVIEWED AND UPDATED

INSPECTORS	TNITTAL	CMS 10/10/20					
TUPPPCIOUP	고 과 고 고 가지고 나 고 가 다 고					1	
		1	• •		1	·	
AND DATE						:	
					1		
				the second second second second second second second second second second second second second second second s			

.

STI FORM 8 4 94

••..

-

Site No. 87 Pete's Pier Dockside (aka Knox Bait House) 558 NW Third Avenue Crystal River, Florida FDEP I.D. No. 098503111

OCALA >FFICE BOX 523 C. , FLORIDA 34478 PHONE (904) 867-5211 FAX (904) 867-0135

1

NVIRONMENTAL CONSULTANTS INC. Providing Complete Remediation Services

Services" POST OFFICE BOX 16584 PANAMA CITY, FLORIDA 32406 PHONE (904) 872-0055

FAX (904) 872-2338

SUMMARY REPORT

Knox Bait House 558 N.W. 3rd Avenue Crystal River, Florida

BTEX Environmental Consultants, Inc. was contracted by First National Bank of Northwest Florida to remove and destroy or otherwise properly dispose of one underground fuel storage tank. The storage tank previously contained unleaded gasoline. The storage tank is located on the attached figures. Work was initiated on October 25, 1995 when the tank was located and unearthed for subsequent storage tank removal. BTEX collected soil samples from the area surrounding the storage tank. Head space analysis of the samples was performed in order to determine the organic vapor concentrations within the soil. All organic vapor analysis was performed using a Thermo Environmental Instruments, Inc. Organic Vapor Meter (OVM). This model OVM is capable of detecting Volatile Organic Aromatics (VOA) in the range of 1 ppm to 5000 ppm. The OVM uses a photo ionization detector (PID). Standard manufacturer's operating procedures were followed in determining the organic vapor content of the soil samples. All necessary calibrations were made according to manufacturer's recommendations in accordance with Quality Assurance Requirements required by Chapter 62-160 of the Florida Administrative Code (FAC) entitled "Quality Assurance" and in accordance with BTEX's Comprehensive Quality Assurance Plan (CompQAP) #920147G (last annual review approved October 28, 1994), as filed with the Quality Assurance Section of the Florida Department of Environmental Protection (FDEP) in Tallahassee.

The samples were placed in glass jars covered with aluminum foil and sealed for the prescribed period of time. The locations of the soil samples are presented in the attached figures. OVA results are also attached. Chapter 62-770.200(2) FAC entitled "Petroleum Contamination Site Cleanup Criteria" defines a reading in excess of 50 parts per million (ppm) as excessively contaminated by constituents of the kerosene analytical group and readings greater than 500 ppm as excessive for the gasoline analytical group. Groundwater was encountered at depths of approximately three (3) feet below land surface. Once the tank was pumped free of the contents and degassed the ends were cut out and the sludge was removed. The tank was surveyed for holes or leaks. The tank appeared to have corrosion pits but no corrosion holes were seen to penetrate the tank. The tank was removed as scrap steel. A Lower Explosion Limit (LEL)

Page 2 RE: Knox Bait House November 6, 1995

÷.

਼

meter was used to detect any explosive conditions due to fumes which may have been present in the tanks before they were scraped. Groundwater data and soil sampling data which was obtained during the underground storage tank removal indicates the presence of hydrocarbon contamination in the soils and groundwater. Soil samples that were taken range from 2 parts per million to over 549 parts per million. The OVM readings are attached in a table form and can be keyed into the location map that is also attached. A groundwater sample was not taken because the tank was adjacent to an area that was previously determined to be contaminated. Samples were taken along product lines and under the dispenser. High organic vapor readings were encountered under the dispenser area, indicating a release associated with this tank system has taken place.

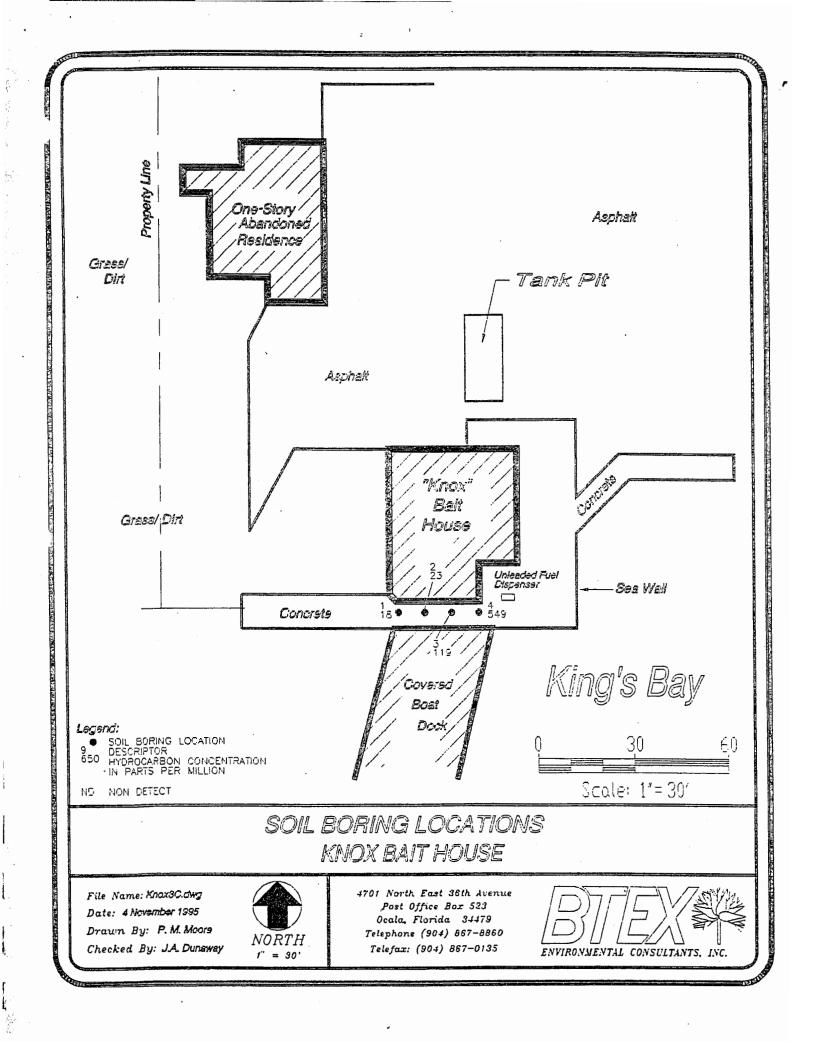
The Storage Tank Registration Form, Underground Storage Tank Removal Form for Certified Contractors. and a Closure Assessment Form were prepared for the owner's signature and filing with the Southwest District of the Florida Department of Environmental Protection (FDEP) in Tampa. A Discharge Notification Form (DNF) has already been sent to the Southwest District of the FDEP and is included for your records.

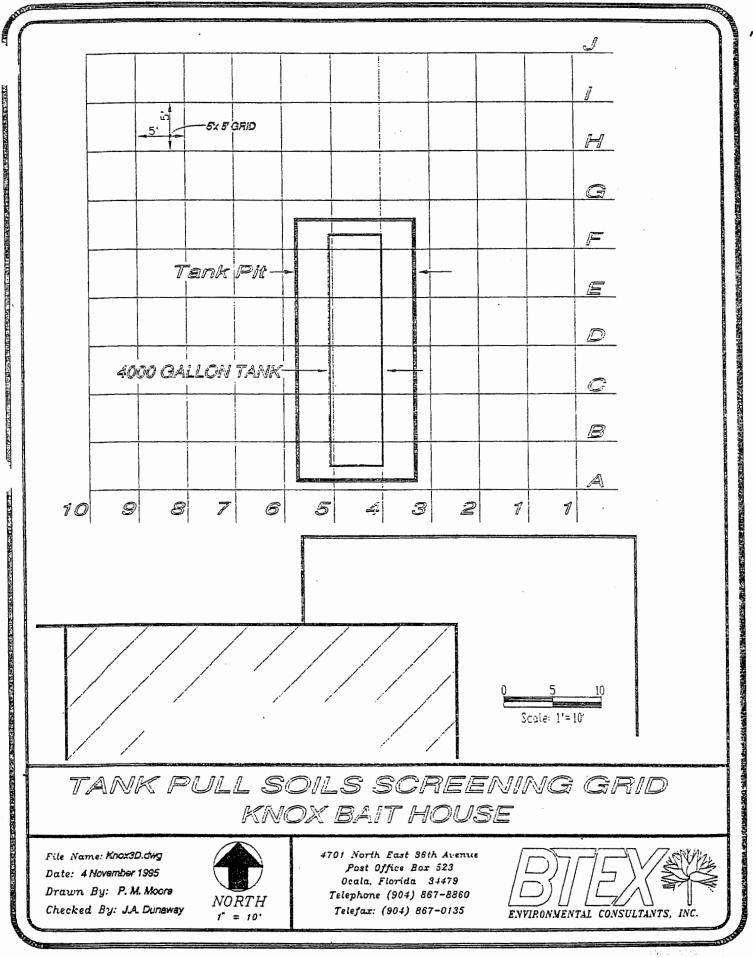
Sincerely,

Bradley Schmidt

Principle Hydrogeologist

JBS/ps





Multiple of the second of the

	0	VM/PID READING	} S	
Soil	Depth	Ambient	ppm	Net
B6	Pump	90	648	558
15	4'	6	8	2
17	4'	6	8	2
C8	3.5'	6	20	14
F7	3'	6	14	8
G4	3'	6	8	2
D4	2.5'	6	63	57
B4	3'	6	16	10
B8	3'	6	175	169
Boring 1	0.5'	8	26	18
Boring 2	0.5'	2	25	23
Boring 3	0.5'	2	121	119
Boring 4	0.5'	2	551	549

LOCATION: 558 NORTHWEST 3RD STREET SITE: KNOX BAIT HOUSE DATE: OCTOBER 25 1995

1.1

Caracterian Caracterian	FIOE	Twin To	wers Office	oartment Bidg. • 2600 1 torage	Blair Stone I	Road • Tall	ahassee, Flor	ida 32399-2400	Form Tite_St	17-781.900(2) orage Tank Regu December 10. 1 on No(Fi	
						Ŭ					·
				Print or Type				•	-		
				3111		,	·	Facility Type: _	_ '		
:				wner Data							. • •
	5. Facility	Name: <u>KN</u>	OX BAIT	HOUSE							: :
				WEST 3RD		620					· · · · · · · · · · · · · · · · · · ·
	•			IVER, FLO IONAL BAN)A	Talacher	904 .	769-320	! 7
·									;. (<u></u>)	, , , , , , , , , , , , , , , , , , , ,	· · ·
:			*								
	7a, Tank(s)	Owner:FI	RST NAT	IONAL BAN	K OF NC	RTHWEST	FLORID	Α	1		<u> </u>
:		-		EAST 23RD							
:	•			AMA CITY,						·	
	Contac	t Person: MR	DONALI	D ADAMS				Telephone	: <u>904</u>) _	769-320	7
	 7h Nov C	Sumar Signatur		ate:					/		
i.									· · _ · _ · _ · _ · _ · _ · _ · _ ·		
	8. Locatio	on (optional)	Latitude:	28-°53_'77_'	' Longitud	e8 <u>2_°35</u>	-'41_''	Section	Towns	hip	Range
		Com	plete One	Lina For Ea			• •		ee Instruct	ions)	
				Complete 9	- 16 for tan	ks in use; S) - 19 for tan	iks out of use			
ľ	9	10	11	12	13	14	15	16	17	18	19
Ļ	3	4000	A	XX/84	U	C				· o	10/95
-										1	
-						•					
┝											
L			L	1					A	. <u>.</u>	
2	0. <u>SC(</u>	OTT L. SU	MNER Certified Cor	ntractor*			DPR# <u>PC</u> Dep	CO51690 artment of Pro	fessional Reg	gulation Lic	ense Number*
	•For n	ew tank install	ation or tank	removal							
	To the best of my knowledge and belief all information submitted on this form is trige, accurate and complete.										
Ţ											
Ţ		+ Sum	ven -	Ajert		A	K			11-6.	-95
T	A cott	+ Suma & title of owned	er or authorit			K	Signature			Da	te
1	name 180 Gover	& title of owne			Contra District 9 Magure Bhot Sur ance Fonce J2803 407-894-7555	te 232	Signature Southwest Dainer 4520 Oak Far Bio Sijo 623-2661 813-623-2661	347 For Mye	Souli+ District 2269 Bai Si n Fiorica 33901 2896 17:332-6975	Da So 1900 S C West Part	te Informational District Information Studie A Beach Florida 23406 07-433 2550

fielad station fieldence			i gavernment			Agricultural Indian land
Residence Fuel user/non-retail			ity goveenment	1	τ.	Coastal bulk petioleum or chemical storage
in and bulk petroleum store	uge .		ction station			Marine fueling facility
Industrial plant	-	Ř. inlani	d bulk chemical sto	inds.	Ζ.	Other: please specify
Federal government		L. Chen	meal user			
	~~~~~	1# 6 <del>2. The</del> Role Tri	- Fether work fit em	***********************		#9 - TANK ID NUMBER
i - FINANCIAL RESPONSIBILIT A. SI	T ain Prar	warn . Third parts	hability/State cont	Actor IEPLIPA/AIG	1.	(number sequentially, 1,2,3; or provide
			hability/Self insure			specific identifying name or number;
0. 2.			federal financial re			6 characters, maximum)
c. 0	ner cov		oeral financial resp			
	one			•		#10 - TANK SIZE IN GALLONS
عدوا بي و بي الانتخاب و و هي نوايين کي ورونين		و من مور و و و برند اندان انداز انداز انداز انداز انداز انداز انداز انداز انداز انداز انداز انداز انداز انداز ا				والمتحدقة المسياحين والإشتانية والمستين معتم الألدى مبرد النم زاراة أوده مرجره والمراجع مرد
1 - CONTENT						
Leaded gasoline		-	erator or pump			R. Ammonia compound
Unleaded gasoline		K. Kerosene				<ul> <li>S. Chlorine compound</li> <li>T. Hazardous substance (CERCLAI'</li> </ul>
Gasohel		L. Weste oil			< 10% - 11	
Venicular diesel			stribution, or on-sit			V. Grades 5 & 6, bunker "C" residual oils
Aviation gasoline Jet tuel		O, New & lub			5512 90.5	W. Petroleum-base additive
Fuel - emergency generate		Q. Pesticide				X. Other, miscellaneous petroleum-base produ
12 - INSTALLATION		#13 - TANK	PLACEMENT	A = Abovegro		C = Aboveground Compression Vessel
DATE (mm/yy)				U = Undergrou	ind tank	D = Underground Compression Vessel
11 TANK CONSTRUCTION	SUCORE .	one prinkry cons	truction and all oth	er codes that apply	; primary is	s inner tank construction for double wall tanks
Primary Construction		Steel				
Funny construction		Unknown			х.	Concrete
	Ε.	Fiberglass			Ŷ.	Polyethylene
	F.	Fiberglass-clad	steel		z.	Other DER approved tank material
O ve <i>r</i> fill/S pil	I: A.	Ball check valve	:		м.	Spill containment bucket
	Ν.	Flow shut-oll			Ρ.	Level gauges, high-level alarms
	ο.	Tight fill			۵.	Other DER approved protection method
		_				• · · · · · · · · ·
Corrosion Protection	G.	Cathodic protec	tion - sacrificial an	ode	н.	Cathodic protection + imprassed current
Constant Containment			·		-	The second task material
Secondary Containment	н. I. В.					ame as inner tank material of concrete, approved synthetic material or tank "jack
	J.		in tank excavation			
	κ.			or ollsite clavs ben	eath AST a	ind in containment area
	S.		oved secondary co			
		Internet tening			11	Field erected tank
Miscellaneous attributes		Internal kning			0.	Field Effected tank
Miscellaneous attributes	: B. L.	Compartmenter			U.	
ويعرفه والمتكري والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والم	٤.	Compartmenter	Change Rackelling, Inc. Chicking Str.	lier codes that app		
ويعرفه والمتكري والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والم	٤.	Compartmenter	Change Rackelling, Inc. Chicking Str.	her codes that app		is inner pipe construction for double wall piping
ويعرفه والمتكري والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والم	L. choose	Compartmenter	struction and all of	her codes that app		
15 - PIPING CONSTRUCTION	L. choose	Compartmented	struction and all of	her codes that app	ly; primary	is inner pipe construction for double wall piping
15 - PIPING CONSTRUCTION	L. choose	Compartmented one primary con Steel or galvani	istruction and all of	her codes that app	ly; primary Y.	is inner pipe construction for double well piping Unknown
15 - PIPING CONSTRUCTION - Primary Construction	L. choose D: B. C. N.	Comparimented one primary con Steel or galvani Fiberglass Approved synth	istruction and all or ized metal netic material	her codes that app	ly; primary Y.	is inner pipe construction for double well piping Unknown
15 - PIPING CONSTRUCTION	L. choose D: B. C. N. N.	Comparimented one primary con Steel or galvani Fiberglass Approved synth External protec	istruction and all of ized metal netic material tive costing		ly; primary Y. Z.	is inner pipe construction for double wall piping Unknown Other DER approved piping material
15 - PIPING CONSTRUCTION - Primary Construction	L. choose D: B. C. N.	Comparimented one primary con Steel or galvani Fiberglass Approved synth External protec	istruction and all or ized metal netic material		ly; primary Y. Z.	is inner pipe construction for double wall piping Unknown Other DER approved piping material
15 - PIPING CONSTRUCTION - Primary Construction Corrasion Protection	L. choose B. C. N. a: D. E.	Compartmented one primary con Steel or galvani Fiberglass Approved synth External protec Cathodically pro	istruction and all of ized metal hetic material tive coating otected with sacrif	cial anode or impre	ly; primary Y. Z.	is inner pipe construction for double wall piping Unknown Other DER approved piping material
15 - PIPING CONSTRUCTION - Primary Construction	L. choose B. C. N. 1: D. E. 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5:	Compartmented ane primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall com	istruction and all of ized metal hetic material tive costing otected with sacrif histruction: single i	icial anode or impre material; outer pipe	ly; primary Y. Z. ssed currer material sa	is inner pipe construction for double well piping Unknown Other DER approved piping material nt ame as inner pipe material
15 - PIPING CONSTRUCTION - Primary Construction Corrasion Protection	L. choose B. C. N. t: D. E. t: F. M.	Compartmented care primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro Double wall coi Double wall coi	estruction and all of ized metal netic material tive costing otected with sacrif nstruction: single i nstruction; dual m	cial anode or impre material; outer pipe c aterial; outer pipe c	ly; primary Y. Z. ssed currer material se onstructed	is inner pipe construction for double well piping Unknown Other DER approved piping material nt eme as inner pipe material of approved synthetic material or pipe "jacket"
15 - PIPING CONSTRUCTION - Primary Construction Corrasion Protection	L. choose B. C. N. 1: D. E. 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5: 5:	Compartmented care primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro Double wall coi Double wall coi	istruction and all of ized metal hetic material tive costing otected with sacrif histruction: single i	cial anode or impre material; outer pipe c aterial; outer pipe c	ly; primary Y. Z. ssed currer material se onstructed	is inner pipe construction for double wall piping Unknown Other DER approved piping material nt eme as inner pipe material of approved synthetic material or pipe "jacket"
15 - PIPING CONSTRUCTION - Primary Construction Corrasion Protection	L. choose B. C. N. t: D. E. t: F. M. G.	Compartmented some primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall com Double wall com Synthetic Inter	estruction and all of ized metal netic material tive costing otected with sacrif nstruction: single i nstruction; dual m	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly; primary Y. Z. ssed currer material se onstructed	is inner pipe construction for double well piping Unknown Other DER approved piping material nt eme as inner pipe material of approved synthetic material or pipe "jacket"
15 - PIPING CONSTRUCTION - Primary Construction Corrasion Protection Secondary Containmen	L. choose B. C. N. t: D. E. t: F. M. G.	Compartmented some primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall com Double wall com Synthetic Inter	istruction and all of ized metal tive coating otected with sacrif instruction: single in instruction; dual m or box/trench liner no contact with so	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly; primary Y. Z. ssed currer material se onstructed n or pipe co	is inner pipe construction for double wall piping Unknown Other DER approved piping material nt are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area
15 - PIPING CONSTRUCTION - Primary Construction Corrasion Protection Secondary Containmen	L. choose B. C. N. t: D. E. t: F. M. G.	Compartmented sine primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall coi Double wall coi Synthetic liner Aboveground, i	estruction and all of ized metal tive costing otected with sacrif instruction: single i instruction; dual m or box/trench liner no contact with so system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly; primary Y. Z. material se onstructed n or pipe co K.	is inner pipe construction for double wall piping Unknown Other DER approved piping material nt erne as inner pipe material of approved synthetic material or pipe "jecket" ontainment area Dispenser liners Bulk product system
15 - PIPING CONSTRUCTION - Primary Construction Corrosion Protection Secondary Containmen Miscellaneous attributes	L. choose B. C. N. t: D. E. t: F. M. G. s: A. I. J.	Compartmented compartmented save primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall coi Double wall coi Double wall coi Synthetic liner Aboveground, i Suction piping Pressurized pip	istruction and all of ized metal netic material tive coating objected with sacrif instruction: single in nstruction; dual m or box/trench liner no contact with so system ing system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly; primary Y. Z. material se anstructed n or pipe co K. L.	is inner pipe construction for double wall piping Unknown Other DER approved piping material nt erne as inner pipe material of approved synthetic material or pipe "jecket" ontainment area Dispenser liners Bulk product system
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO	L. choose B. C. N. t: D. E. t: F. M. G. t: A. I. J. DOS - cl	Compartmented sine primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro Double wall con Double wall con Synthetic Iner Aboveground, i Suction piping Pressurized pip hoose all that app	istruction and all of ized metal tive costing otected with sacrif instruction: single in instruction; dual m or box/trench liner no contact with so system ing system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly: primary Y. Z. material se onstructed n or pipe co K. L. H.	is inner pipe construction for double wall piping Unknown Other DER approved piping material nt are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system
15 - PIPING CONSTRUCTION - Primary Construction Corrosion Protection Secondary Containmen Miscellaneous attributes	L. choose B. C. N. t: D. E. t: F. M. G. s: A. I. J. DOS - c) d: A.	Compartmented compartmented selve primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Double wall con Double wall con Synthetic Inner Aboveground, Suction piping Pressurized pip hoose all that app Automatically s	istruction and all of ized metal tive costing otected with sacrif instruction: single is instruction; dual m or box/trench liner no contact with so system ing system sign system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly; primary Y. Z. material se onstructed n or pipe co K. L. H. B.	is inner pipe construction for double wall piping Unknown Other DER approved piping material ant of approved synthetic material or pipe "jacket" onteinment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO	L. choose B. C. N. t: D. E. t: F. M. G. t: J. DDS - cl l: C. C.	Compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro Double wall coi Double wall coi Double wall coi Double wall coi Double wall coi Synthetic liner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically si Groundwater m	istruction and all of ized metal netic material tive coating otected with sacrif nstruction: single in nstruction: dual m or box/trench liner no contact with so system ing system of system of system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping excavatio	ly; primary Y. Z. ssed currer material sa onstructed n or pipe co K. L. H. B. O.	is inner pipe construction for double wall piping Unknown Other DER approved piping material ant ant approved synthetic material or pipe "jacket" ontainment area Dispensar liners Bulk product system Airport/seaport hydrant system Manually sampled wells SPCC Plan
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO	L. choose N. S. C. N. L. C. N. L. C. N. C. N. C. S. C. N. C. S. C. N. L. C. N. S. C. N. L. C. N. S. C. N. S. C. N. S. C. S. S. C. N. S. C. S. S. S. S. S. S. S. S. S. S. S. S. S.	Compartmented is an eprimary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall con Double wall con Double wall con Synthetic liner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically is Groundwater m	istruction and all of ized metal netic material tive coating otected with sacrif nstruction: single in nstruction: dual m or boxtrench liner no contact with so system ing system sampled wells nonitoring plan nonitoring system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping axcavatio	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. O.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seaport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO	L. choose B. C. N. t: D. E. t: F. M. G. t: J. DDS - cl l: C. C.	Compartmented sine primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Double wall con Synthetic Iner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically si Groundwater m Not required - si	istruction and all of ized metal netic material tive coating otected with sacrif nstruction: single in nstruction: dual m or box/trench liner no contact with so system ing system of system of system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping axcavatio	ly: primary Y. Z. ssed currer material se onstructed n or pipe co K. L. H. B. O. X.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO	L. choose B. C. N. t: D. E. t: F. M. G. t: A. J. DOS - cl t: A. C. N.	Compartmented sine primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Double wall con Synthetic Iner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically si Groundwater m Not required - si	istruction and all of ized metal netic material tive coating otected with sacrif nstruction: single in nstruction: dual m or boxtrench liner no contact with so system ing system sampled wells nonitoring plan nonitoring system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping axcavatio	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. O.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seaport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO	L. choose B. C. N. I: D. E. I: F. M. G. J. DDS - cl I: C. N. Y.	Compartmented calle primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall coi Double wall coi Double wall coi Double wall coi Synthetic Iner Aboveground, Suction piping Pressurized pip hoose all that app Automatically s Groundwater in Not required - s Unknown	istruction and all of ized metal netic material tive coating olected with sacrif natruction: single in natruction: dual m or box/trench liner no contact with so system ing system any system any system any system any system	icial anode or impre material; outer pipe c aterial; outer pipe c in piping axcavatio	ly: primary Y. Z. ssed currer material se onstructed n or pipe co K. L. H. B. O. X.	is inner pipe construction for double wall piping Unknown Other DER approved piping material ant ant approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seaport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER approved monitoring method
15 - PIPING CONSTRUCTION - Primary Construction Corrosion Protection Secondary Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO Site/genera	L. choose B. C. N. I: D. E. I: F. M. G. J. DDS - cl I: C. N. Y.	Compartmented compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall com Double wall c	istruction and all of ized metal netic material tive coating olected with sacrif natruction: single in natruction: dual m or box/trench liner no contact with so system ing system any system any system any system any system	icial anode or impre material; outer pipe c in piping excavatio il	ly; primary Y. Z. ssed currer material sa onstructed n or pipe co K. L. H. B. O. O. X. Z.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None
15 - PIPING CONSTRUCTION - Primary Construction Corrosion Protection Secondary Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO Site/genera	L. choose B. C. N. L. E. C. N. L. J. DOS - cl L. C. N. L. Z. V. L. Y. E.	Compartmented compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall com Double wall c	istruction and all of ized metal netic material tive coating otected with sacrif nstruction: single in nstruction: dual m or box/trench liner no contact with so system ing system sampled wells nonitoring plan nonitoring system see rule for exempt ce - tank/liner	icial anode or impre material; outer pipe c in piping excavatio il	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. O. X. Z. L.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and and approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seaport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER approved monitoring method Automatic tank gauging
15 - PIPING CONSTRUCTION - Primary Construction Corrosion Protection Secondary Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO Site/genera	L. choose B. C. N. I: D. E. I: F. M. G. I. J. DDS - c) I: A. I. J. DDS - c) I: F. F. C. N. I: F. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. E. I. J. D. E. E. I. J. D. E. E. E. E. E. E. E. E. E. E	Compartmented and primary con Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall con Double wall con Double wall con Synthetic liner Aboveground, i Suction piping Pressurized pip Automatically s Groundwater m Not required - i Unknown Interstitial space	istruction and all of ized metal netic material tive coating otected with sacrif nstruction: single in nstruction: dual m or box/trench liner no contact with so system ing system sampled wells nonitoring plan nonitoring system see rule for exempt ce - tank/liner	icial anode or impre material; outer pipe c in piping excavatio il	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. O. X. Z. L.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and and approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seaport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER approved monitoring method Automatic tank gauging
15 - PIPING CONSTRUCTION - Primary Construction Corression Protection Secondary Containmen Miscellaneous attribute 16 - LEAK DETECTION METHI Site/genera	L. choose B. C. N. I: D. E. I: F. M. G. I. J. DDS - c) I: A. I. J. DDS - c) I: F. F. C. N. I: F. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. I. J. D. E. E. I. J. D. E. E. I. J. D. E. E. E. E. E. E. E. E. E. E	Compartmented and primary con Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall con Double wall con Double wall con Synthetic liner Aboveground, i Suction piping Pressurized pip Automatically s Groundwater m Not required - i Unknown Interstitial space	istruction and all of ized metal netic material tive coating olected with sacrif nstruction: single in nstruction; dual m or box/trench liner no contact with so system ing system bonitoring plan nonitoring plan nonitoring system see rule for exempt ce - tank/liner te - double wall tan to shut off	icial anode or impre material; outer pipe c in piping excavatio il	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. O. O. X. Z. L. M.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and and approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER approved monitoring method Automatic tank gauging Manual tank gauging
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO Site/genera Tenk monitoring Piping monitoring	L. choose B. C. N. L. D. E. K. F. M. G. L. L. D. E. K. M. G. L. N. L. L. L. L. L. L. L. M. G. L. M. L. L. L. M. G. L. L. L. L. L. L. L. L. L. L	Compartmented compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Double wall con Synthetic liner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically si Groundwater m Not required - si Unknown Interstitial space Interstitial space In-line detector	istruction and all of ized metal netic material tive coating olected with sacrif nstruction: single in nstruction; dual m or box/trench liner no contact with so system ing system bonitoring plan nonitoring plan nonitoring system see rule for exempt ce - tank/liner te - double wall tan to shut off	icial anode or impre material; outer pipe c in piping excavatio il	ly; primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. O. X. Z. L. M. J.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER approved monitoring method Automatic tank gauging Manual tank gauging Interstitial space - piping/liner Interstitial space - double well piping
15 - PIPING CONSTRUCTION - Primary Construction Corression Protection Secondary Containmen Miscellaneous attribute 16 - LEAK DETECTION METH Site/genera Tank monitoring Piping monitoring	L. choose B. C. N. I: D. E. I: F. M. G. I: J. DOS - c) I: A. I. J. DOS - c) I: F. K. C. K. K. K. K. K. K. K. K. K. K	Compartmented care primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Do	istruction and all of ized metal tive coating otected with sacrif instruction: single in or box/trench liner ing system ing system sampled wells nonitoring plan nonitoring system see rule for exempt is - tank/liner is - double wall tan	icial anode or impre material; outer pipe c in piping excavatio il jons	ly; primary Y. Z. ssed currer material sa onstructed n or pipe co K. L. H. B. O. O. X. Z. L. M. J. K.	is inner pipe construction for double well piping Unknown Other DER approved piping material ant ant ant sinner pipe material of approved synthetic material or pipe "jacket" ontainment erea Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER epproved monitoring method Automatic tank gauging Interstitial space - piping/liner Interstitial space - double well piping #18 - GALLONS LEFT
15 - PIPING CONSTRUCTION - Primary Construction Corrosion Protection Secondery Containmen Miscellaneous attribute 16 - LEAK DETECTION METH Site/genera Tank monitoring Piping monitoring Piping monitoring	L. choose B. C. N. I: D. E. I: F. M. G. I: J. DOS - c) I: A. I. J. DOS - c) I: F. K. C. K. K. K. K. K. K. K. K. K. K	Compartmented care primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Do	istruction and all of ized metal tive coating otected with sacrif instruction: single in or box/trench liner ing system ing system sampled wells nonitoring plan nonitoring system see rule for exempt is - tank/liner is - double wall tan	icial anode or impre material; outer pipe c in piping excavatio il jons	ly; primary Y. Z. ssed currer material sa onstructed n or pipe co K. L. H. B. O. O. X. Z. L. M. J. K.	is inner pipe construction for double well piping Unknown Other DER approved piping material ant are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER epproved monitoring method Automatic tank gauging Manual tank gauging Interstitial space - piping/liner Interstitial space - double well piping #18 - GALLONS LEFT
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondary Containmen Miscellaneous attributes 16 - LEAK DETECTION METHO Site/genera Tenk monitoring Piping monitoring Piping monitoring - 17 - TANK STATUS &/or TAN - Property closed in place - - Removed from the site	L. choose B. C. N. I. D. E. K. G. I. J. DOS - cl I. J. DOS - cl I. A. C. N. H. K. K. K. K. K. K. K. K. K. K	Compartmented compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pri Double wall coi Double wall coi Synthetic liner Automatically si Groundwater in Not required - si Unknown Interstitial space In-line detector In-line flow res DSAL	estruction and all of ized metal tive costing otected with sacrif netruction: single in nstruction; dual m or box/trench liner no contact with so system by sampled wells somitoring plan non(foring system see rule for exempt see rule for exempt te - tank/liner te - double wall tan to shut off tractor	icial anode or impre material; outer pipe c in piping excavatio il jons k	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. X. Z. L. M. J. K.	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER epproved monitoring method Automatic tank gauging Manual tank gauging Interstitial space - piping/liner Interstitial space - double well piping #18 - GALLONS LEFT able
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondary Containmen Miscellaneous attribute 16 - LEAK DETECTION METHO Site/genera Tenk monitoring Piping monitoring Piping monitoring 17 - TANK STATUS &/or TAN Property closed in place - Removed from the site A or B: Closure Assessme	L. choose B. C. N. L. D. E. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. L. C. N. C. N. C. C. N. C. C. N. C. C. N. C. C. C. C. C. C. C. C. C. C	Compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Double wall con Synthetic liner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically so Groundwater m Not required - s Unknown Interstitial spac Interstitial spac DSAL ed with sand, cor	istruction and all of ized metal tive costing otected with sacrif instruction: single is instruction: single is instruction: dual m or box/trench liner no contact with so system ing system sampled wells nonitoring plan nonitoring system see rule for exempt is - tank/liner is - double wall tar , auto shut off trictor	icial anode or impre material; outer pipe c in piping excavatio in jons k t material; AST ren (AST) - ED1 sites c	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. X. Z. L. M. J. K.	is inner pipe construction for double well piping Unknown Other DER approved piping material and and approved synthetic material or pipe "jecket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrent system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER approved monitoring method Automatic tank gauging Manual tank gauging Interstitial space - piping/liner Interstitial space - double well piping #18 - GALLONS LEFT able #19 - LAST USED DATE (mm/yy)
15 - PIPING CONSTRUCTION - Primary Construction Corresion Protection Secondary Containmen Miscellaneous attributes 16 - LEAK DETECTION METHO Site/genera Tenk monitoring Piping monitoring Piping monitoring - 17 - TANK STATUS &/or TAN - Property closed in place - - Removed from the site	L. choose B. C. N. I. D. E. K. G. M. J. DDS - cl. A. L. Y. DDS - cl. H. K. DDS - cl. K. K. K. K. K. K. K. K. K. K	Compartmented sale primary com Steel or galvani Fiberglass Approved synth External protec Cathodically pro- Double wall con Double wall con Double wall con Synthetic liner Aboveground, i Suction piping Pressurized pip hoose all that app Automatically so Groundwater m Not required - s Unknown Interstitial spac Interstitial spac DSAL ed with sand, cor	istruction and all of ized metal tive costing otected with sacrif instruction: single is instruction: single is instruction: dual m or box/trench liner no contact with so system ing system sampled wells nonitoring plan nonitoring system see rule for exempt is - tank/liner is - double wall tar , auto shut off trictor	icial anode or impre material; outer pipe c in piping excavatio in jons k t material; AST ren (AST) - ED1 sites c	ly: primary Y. Z. material se onstructed n or pipe co K. L. H. B. O. X. Z. L. M. J. K. dered unus	is inner pipe construction for double wall piping Unknown Other DER approved piping material and are as inner pipe material of approved synthetic material or pipe "jacket" ontainment area Dispenser liners Bulk product system Airport/seeport hydrant system Manually sampled wells SPCC Plan Vapor monitoring system None Other DER epproved monitoring method Automatic tank gauging Manual tank gauging Interstitial space - piping/liner Interstitial space - double well piping #18 - GALLONS LEFT able

• •

•

-----

DER Form 17-761.900(2) Codes List 04/01/93

.

. •

-----

÷

į.



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

ER Form # 17-781.900(5)
ER Form # 17-781-900(5) Underground Storage Tank Installation & orm Tate Removal Form for Certified Contractors
fective Data December 10, 1990
ER Application No
(Filled in by DER)

# Underground Storage Tank Installation and Removal Form For Certified Contractors

Pollutant Storage System Specialty Contractors as defined in Section 489,113, Florida Statutes (Certified contractors as defined in Section 17-761,200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards.

## General Facility Information

1	DER Facilit	dentification	No.:	098503111	
1.	DER Facilit	y Identification	INO.:	098503111	_

2. Facility Name: KNOX BATT HOUSE 7	Telephone:9(04) 769-3207
-------------------------------------	--------------------------

3. Street Address (physical location): 558 NORTHWEST 3RD STREET

CRYSTAL RIVER, FL. 32629

4. Owner Name: FIRST NATIONAL BANK NORTHWEST FLORIDA Telephone: (904) 769-3207

5. Owner Address: 101 EAST 23RD STREET, PANAMA CITY, FLORIDA 32402

6. Number of Tanks: a. Installed at this time _____ b. Removed at this time 1-4000 gal. removed

7. Tank(s) Manufactured by: ________

8. Date Work Initiated: 10/25/95 9. Date Work Completed: 11/3/95

## lerground Pollutant Tank Installation Checklist

Please certify the completion of the following installation requirements by placing an (X) in the appropriate box.

- 1. The tanks and piping are corrosion resistant and approved for use by State and Federal Laws.
- 2. Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protection Association) 30(87), API (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-87 and the manufacturers' specifications.
- 3. Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP100(87) and the manufacturers' specifications.
- 4. Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, UL (Underwriters Laboratory) 1746, STI (Steel Tank Institute) R892-89 and the manufacturer's specifications.
- 5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PEI/RP100-87.
- 6. Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 17-761.640, Florida Administrative Code (F.A.C.)
- 7. Spill and overfill protection devices installed in accordance with Section 17-761.500, F.A.C.
- 8. Secondary containment installed for tanks and piping as applicable in accordance with Section 17-761.500, F.A.C.

Please Note: The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issued by these instututions.

## Underground Pollutant Tank Removal Checklist

1. Closure assessment performed in accordance with Section 17-761.800, F.A.C.

Inderground tank removed and disposed of as specified in API 1604 in acordance with Section 17-761.800, F.A.C.

CER 5	17-781,900(5)
Und	17-781.900(5) erground Storage Tank Inst noval Form for Cartified Cor
Form Tide_ Fierr	noval Form for Certified Cor
Effective Data_	December 10, 1990
DER Application	n Na
1	(Filed in by DE

## Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Regulation; the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 4 Section 376303, Florida Statutes and Chapter 17-761, Florida Administrative Code (and its adopted reference sources from publications and state of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers ( American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (U the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

PECUSTU ETO PSSSC Number SCOTT SUMNER PCC051690 (Type or Print) Certified Pollutant Tank Contractor Name Pollutant Storage System Specialty Contractor License Number (PSSSC) <u>//- 6 - 5 5</u> Date Certified Tank Contractor Signature BRAD SCHMIDT (Type or Print) Date Field Supervisor Name <u>/. -</u> Date Field Supervisor Signature

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at of page one.



Florida Department of Environmental Regulation

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

Form Tide Closure Assessment Form	
Effective Date Decamber 10, 1990	
DER Application No	
(Filed in by DE	<i>R</i> )

# Closure Assessment Form

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

#### . Please Print or Type Complete All Applicable Blanks

1.	Date:Friday, November 3, 1993
2.	DER Facility ID Number:098503111 3. County: Citrus
4.	Facility Name: Knox Bait House
5.	Facility Owner: William H. Page
6.	Facility Address: <u>558 Northwest 3rd Avenue, Crystal River, Fl.</u>
7.	Mailing Address: 558 Northwest 3rd Avenue, Crystal River, Fl.
8.	Telephone Number: 904) 563-1040 9. Facility OperatoWilliam-H. Page
10.	Are the Storage Tank(s): (Circle one or both) A. Aboveground or (B) Underground
11.	Type of Product(s) Stored: Unleaded_gasoline
12.	Were the Tank(s): (Circle one) A. Replaced B Removed C. Closed in Place D. Upgraded (aboveground tanks only)
13.	Number of Tanks Closed: 1. Removed 14. Age of Tanks: 11yrs. (installed 1982)
	Facility Assessment Information
Yes	Not No Applicable
X X	<ol> <li>Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)?</li> <li>Was a Discharge Reporting Form submitted to the Department?</li> </ol>

If yes, When: -10/27/95	Where: Tallahassee/Tampa
10/2//99	

- 3. Is the depth to ground water less than 20 feet?
- 4. Are monitoring wells present around the storage system?
- If yes, specify type: U Water monitoring Vapor monitoring
- 5. Is there free product present in the monitoring wells or within the excavation?
- 6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline? Specify sample type: Vapor Monitoring wells Soil sample(s)
- 7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene? Specify sample type: Vapor Monitoring wells Soil sample(s)
- 8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target levels (See target levels on reverse side of this form and supply laboratory data sheets)
- 9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release?

Page 1 of 2

- 10. Are any potable wells located within 1/4 of a mile radius of the facility?
- 11. Is there a surface water body within 1/4 mile radius of the site? If yes, indicate distance: less than 5'

Northwest Disinct 160 Governmental Center Pensacola, Flonda 32501-5794 904-436-8300

X

x |

x

たけた

「ある」ない

A STATE

Northeast District 125 Baymeadows Way, Suite B 2 Jacksonville, Florida 32207 204-208-1200 Central District 3319 Maguine Blvd. Suite 232 Orlando, Florida 32803-3767 477-894-7555 Southwest District 520 Oak Fair Blvd. Ia, Florida 33610-7347 South Distinct 2269 Bay SL on Myers, Ponda 33901-25 813-332-6975

Southeast District 1900 S. Congress Ave., Suite A West Paim Beach, Flonde 33406 407-433-2650

DER Form 17-761.900(8)	
Form Title Cicsure Assessment Form	
Effective Date December 10, 1990	
DEB Application No.	
(Filed in by DER)	

- 12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample locations, and dispenser locations must accompany this form.
- 13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Method 610 must be performed on the ground water samples obtained.
- 14. Amount of soils removed and receipt of proper disposal.
- 15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.900(1) indicating a suspected release shall be submitted to the Department within one working day.
- 16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

cond C Cidam

1 ug/l

50 ug/i

50 ua/l

Donald C. Adams, Jr., Senior Vice President First National Bank Northwest Florida, holder of Summary Judgement of foreclosure on property

11 - 13 - 95 Date

<u>11-6-95</u> Date

Person Performing Assessment

Huckogeologi's F Title of Person Performing Assessment

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

State ground water target levels are as follows:

For gasoline (EPA Method 602):

- a. Benzene
- h. Total VOA
  - Benzene
  - Toluene
  - Total Xylenes
  - Ethylbenzene
- c. Methyl Test-Butyl Ether (MTBE)

- 2. For kerosene/diesel (EPA Method 610):
  - a. Polynuclear Aromatic Hydrocarbons (PAHS) (Best achievable detection limit, 10 ug/l maximum)

		CEA Form 17-761 SCOT1)
12	Florida Department of Environmental Regulation	form Tos Descherge Reporting Form
	Twin Towers Office Bidg. C 2600 Blair Stone Road C Tallahassee, Florida 32399-2400	Effective Dec. December 10, 1990
		DER Acceleration No.
	Discharge Reporting Form	
Se Use	this form to notify the Department of Environmental Regulation of:	
1.	Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test	result.
2.	Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.	C. within one working day of discovery.
	Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities esta one working day of the discovery.	
4.	Within one working day of discovery of suspected releases confirmed by: (a) released regulated su the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gas or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive week	results from a leak detection method
	Mail to the DER District Office in your area listed on the reverse side of th	is form
	PLEASE PRINT OR TYPE	
	Complete all applicable blanks DER Facility ID Number: 098503/// 2. Tank Number: ////	3. Date: 10/27/65
<b>製</b> 線的 	Facility Name: Knox BAIT House	0. Uale
4.	Facility Owner or Operator: Fizst NAFRONAL Bank of North Was	+ Flaila
		1 I Court off
	Telephone Number: (404) 769- 3207 County. Citrus	2011
2 2	Mailing Address: 101 EAST 23rd Street, Pravama City, F	2 32402
5	Date of receipt of test results or discovery:10/2.7/95	month/day/year
6.	Method of initial discovery. (circle one only)	
	B. Vapor detector (automatic or manual)       E. Inventory control.       G. Closure:         C. Tightness test (underground tanks only).       H. Other:	ble signs of a discharge in the vicinity.
7.	Estimated number of gallons discharged:	·
S		Fitting D. Tank E. Unknown
	B. unleaded gasoline       F. aviation gas       M. diesel       chlorine and derivative         C. gasohol       G. jet fuel       O. new/lube oil       Service CAS numbe         Z. other (write in name)	ce includes pesticides, ammonia, es (write in name or Chemical Abstract r)
	Cause of leak (circle all that apply)         A Unknown       C. Loose connection       E. Puncture       G. Spill         B Spit       D. Corrosion       F. Installation failure       H. Overfill         Type of financial responsibility. (circle one)       A Third party insurance provided by the state insurance contractor       C. Not applicable	1. Other (specify)
	D None	1
1 2	To the best of my knowledge and belief all information submitted on this form is true, ac	curste, and complete
	Citild Name of a Marking A-	rator of Authorized Representative



# Department of Environmental Protection

Lawton Chiles Governor JUL 0 6 1995 Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

Virginia B. Wetherell Secretary

Mr. William Page Knox Bait House 558 N.W. 3rd Ave. Crystal River, FL 34429

Re: Knox Bait House 558 N.W. 3rd Ave. Crystal River, Florida Facility ID #098503111

Dear Mr. Page:

On June 15, 1995, representatives of the Southwest District office conducted a compliance inspection at the above referenced facility. This inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to Chapter 62-761, Florida Administrative Code (F.A.C.), which regulates underground stationary storage tank systems. During this inspection, possible non-compliance items were noted and recorded on the enclosed compliance inspection form.

Therefore, this facility may currently not be operating in compliance with Chapter 17-762, F.A.C. Standards. Any non-compliance items should be corrected.

Petroleum contamination was discovered during an environmental audit conducted by BTEX Environmental Consultants, Inc. in April, 1995. If it is determined, upon closure of the three unmaintained tanks, that the contamination is from these tanks, you may want to submit the enclosed ATRP form. If the contamination is not from the unmaintaned tanks a contamination assessment must be initiated.

Please send a copy of the environmental audit conducted by BTEX to this office.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Mr. William Page Knox Bait House

Contact me at (813) 744-6100, ext. 367, if you have any questions.

Sincerely,

Mancy E. Knight Nancy E. Knight

1

Nancy E. Knight Storage Tank Program Division of Waste Management

NK

.

Enclosures

#### SUGGESTED CORRECTIVE ACTIONS

. .

#### KNOX BAIT HOUSE

### FACILITY ID# 098503111

- 1. There are three errors in the storage tank registration:
- One underground storage tank was discovered during the inspection that has not been registered.
- The 4,000 gallon unleaded fuel tank is listed in the storage tank registration data base as containing leaded fuel. The content code of "A" must be changed to "B" on the storage tank registration form (STRF).
- The two 1000 gallon tanks are listed as being removed, while they are actually still on site. The tank status code of "B" needs to be changed to "F" on the STRF.

The owner of any in-service, out of service or unmaintained storage tank system that has a capacity of more than 110 gallons shall register the storage tank system with the Department on the DEP Form 62-761.900(2) (62-761.400, F.A.C.). A STRF needs to be completed and signed to add the newly found tank to your inventory and to correct the contents of the 4,000 gallon tank and to correct the disposition of the two 1,000 gallon tanks. A copy of this form is enclosed for your convenience. Send the original registration form to Tallahassee and forward a copy to this office by July 20, 1995. (See item #1 on the enclosed inspection form.)

2. Inventory records have not been completed since March 1993. All records required to be kept pursuant to this Chapter shall, unless otherwise specified in the text of those rules, be maintained for two years and shall be available for inspection by the Department at the facility. If records are not kept at the facility, they shall be available at the facility or other location acceptable to the Department upon five working days notice. Records of the following are required:

(a) Measurements and reconciliation of inventory;

(b) Results of examinations of monitoring wells and other release detection systems;

(c) Dates of upgrading or replacement of existing storage tank systems;

(d) Results of maintenance examinations of storage tank
systems;

(e) Results of all tightness tests of storage tank systems;

(f) Results of tests of integral piping;

(g) Description and dates of repairs;

(h) Closure assessment reports if the location continues as a facility;

(i) Release detection system performance claims as specified in Rule 62-761.600(1)(c), F.A.C.; and
(j) Certification of Financial Responsibility on form 62-761.900(3). (62-761.710, F.A.C.)

#### SUGGESTED CORRECTIVE ACTIONS

### KNOX BAIT HOUSE

#### FACILITY ID# 098503111

Send the a copy of the March and April 1994, monitoring well records to this office by July 20, 1995. (See item #10 on the enclosed inspection form.)

3. No inventory was kept of the 4000 gallon unleaded fuel tank. Owners or operators shall maintain inventory records for each tank that contains vehicular fuel. Inventory records shall be reconciled weekly (62-761.720(1), F.A.C.). Losses or gains from each recording period shall be averaged (62-761.720(2) F.A.C.). Begin conducting inventory measurements immediately. Send a copy of the inventory for the last two weeks of June to this office by July 20, 1995. (See item #22 on the enclosed inspection form.)

4. There are two 1,000 gallon tanks and one, newly discovered tank that have not been used since 1984. Owners of unmaintained storage tank systems must permanently close the systems within 90 days of the effective date of this rule or of the discovery of the existence of the unmaintained storage tank system (62-761.800(2)(a), F.A.C.). The tanks must be properly closed in accordance with Rule 62-761.800(2), F.A.C. by July 31, 1995. A closure assessment must be conducted in accordance with 62-761.800(3), F.A.C. and the Department's "Pollutant Storage Tank Closure Assessment Requirements". This document is enclosed for your reference. (Please see item #53 on the enclosed inspection form.)

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION POLLUTANT STORAGE TANK SYSTEM INSPECTION REPORT FORM - COVER PAGE

· . .

PAGE: 1 OF 2 PRINTED: 06/13/95

FA JITY ID #: 098503111 COUNTY: CITRUS FACILITY NAME: KNOX BAIT HOUSE FACILITY LOCATION: 558 NW 3RD AVE, CRYSTAL RIVER FACILITY CONTACT: PAGE WILLIAM PHONE: (904) 795-2771 PHONE: (904) 795-2771 OWNER: KNOX BAIT HOUSE OWNER ADDRESS: 558 NW 3RD AVE, CRYSTAL RIVER, FL, 32629-4004 OWNER CONTACT: WILLIAM PAGE OWNER CHANGE DATE: 05/06/86 LATITUDE:28-53-77 LONGITUDE:82-35-41 FAC TYPE: MARINE FACILITY LAST UST COMPLIANCE DATE: 11/18/93 LAST AST COMPLIANCE DATE:00/00/00 CONTAMINATION DATA AVAILABLE: NONE

			INSTALL	UNDER OR	TANK	INTEGRAL	MONITORING	TANK
TANK #	SIZE	CONTENT	DATE	ABOVE	TYPE	PIPING	SYSTEM	STAT
1	1000	A	04 64	U	С	В	Y	BF
2	1000	A	09 64	U	С	В	Y	BF
	4000	A	06 84	U	С	В	Y	U
	1000	D	XX 82	A	D	С	Y	В

INSPECTION TYPE (AL	L THAT APPLY)	SITE INFORMATION (AL	L THAT APPLY)
ROUTINE INSTALL	$\underline{X}$ DISCHARGE CLOSURE	NEAR PUB WELL CONTAMINATED	REPAIRED UPGRADED
ABANDONED	REINSPECT	COMPLAINT ACID TANKS	$\overline{X}$ UST & AST HAZARD MAT
DEP DISTRICT OR LOC	al program:	- DEP	· .
PECTOR NAME (PRI	NT) Nancy Knight	CONTACT NAME (PRINT	William PAGE
- Hanny E. Kris	lit 6/15/95	Alun	J-
// INSPECTOR'S S	IGNATURE & DATE	CONTACT'S SIGNATURE	& DATE

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION POLLUTANT STORAGE TANK SYSTEM INSPECTION REPORT FORM - COVER PAGE

PAGE: 2 OF 2 PRINTED: 06/13/95

F LITY ID #: 098503111 FACILITY NAME: KNOX BAIT HOUSE FACILITY LOCATION: 558 NW 3RD AVE, CRYSTAL RIVER FACILITY CONTACT: PAGE WILLIAM COUNTY: CITRUS

PHONE: (904) 795-2771

COMMENTS:  $N \searrow$ monitor we ODM 4.000 MOD 1,201 MINC  $S \omega$ wel DPM mon UD 050 Denser In 4,000 92 200 NBS 01 beino NO DOC oina refielde UiP RCOF . 8.18 na -On 9 gu except March Y'L T tori DP  $\cap$ 5

Name. INTROM Contraction	_
Facility I.D. #: 098503111	
	-
Date: 13 Jun 45	_

men	DE ENVIRONMENTER	_ (	Facility I.D.#	- 098503111 Jun95	-
DEPAR	UNE UNE	ERGROUND STORAGE TANK			
	State of a control	IPLIANCE INSPECTION FORM			
	CF PLOY		•	Yes No Unk N/A	
		Current placard	displaye	4	ADVER
	one tank discovered	during inspection	1" product	in it	
égi se tre	1. Facility has registered all applicable tanks			MAX -	
	2. Current registration placard is properly dis			2.	$\overline{m}$
A BALL	Proper notification has been made for the following; 17- 3. Proper closure (30 days prior); (1) (a)	-761.450:		3	Щ
	<ol> <li>Change of ownership (30 days after); (1)</li> </ol>	(b)		4.	
1	5. Upgrading, replacement or installation (10			5.	7
	6. Change of tank status (in service/out of s	· · · · · · · · · · · · · · · · · · ·		6. V	7
	7. Change of facility status (e.g. substances	s stored), (within 30 days); (1) (e)	•	7.	$\geq$
	8. Change of method of financial responsibili	ty (within 30 days); (3)		8.	$\Box$
	9. Start of closure, upgrades or installation (	24 hr. verbal or written); (4)		9.	$\square$
providence of			, 2 mont	the miles as	-
<u>n</u> .	RECORD KEEPING: Comments: No	nyentory records	.) <u>~ (1001</u> ]	ths missing	
1	10. All records were maintained for two (2)	2	ction within five	10.	
	(5) working days; 17-761.710(1)				ΤΠ
	11. Some but not all records were maintained	d for two (2) years and were availab	le for inspection	11. 1	
	within five (5) working days; 17-761.710	(1)		<u> </u>	Ш
Planter and		Comments: DRF file	1	slas, previously	
<u>III.</u>				slas; previously	
	<u>reported to Litrus (c. Haz. Mat.</u> Proper reporting requirements been met for the following		<u> </u>		m
	12. Results of tightness test; (1)			12.	71
	13. Any spill, overfill, or other discharge with	in one working day of discovery; (2)		13.	
\$	14. Suspected releases within one working d	ay of discovery; (3) (a), (b)		14.	
	15. Confirmed releases (positive response of	a release detection device) within on	e working day of	15.	
1	discovery; (3) (c)				///A
	The owner or the operator of the system which has di		r proporty closed		111
	16. Taken it out-of-service; 17-761.700 (1) it; .820 (1)	, had it repaired or replaced; .700, or	property closed	16.	TTT I
1	17. Removed any regulated substances from	the system: 17-761.820 (1)			WHY LE
	18. Tightness tested all repaired components		17-761.700 (6)	18.	$\overline{\mathbf{X}}$
	19. Had repairs or replacements performed b	The second second second second second second second second second second second second second second second se		19.	7
	20. Had tightness tests performed by registe	red tank tester; 17-761.200		20.	
	21. Begun initial corrective actions for a release	ase; 17-761.820(2) emptied +	ank	21.	
<u>IV.</u>	INVENTORY REQUIREMENTS: Comments:	No laxeotory r	ecords		
	22. All inventory requirements maintained in	accordance with 17-761.720 (1)		22.	
	23. Some, but not all inventory requirements	,	31.720 (1)	23.	
L					
<u>V.</u>	PERFORMANCE STANDARDS/CATHODIC PROTECT	ION Comments:			
1.5			An an an an an an an an an an an an an an		$\pi\pi$
	Storage tank criteria; 17-761.500, 520 and 550: 24. Facility meets applicable storage tank st	al an erea. A	an ngabina	24.	Ш
	<ol> <li>24. Pacifity meets applicable storage tank st</li> <li>25. Systems meet siting requirements; (4)</li> </ol>	anuarus, ( ( )		25.	$\geq$
	26. Tank(s) equipped with spill containment;		· · · · · · · · · · · · · · · · · · ·	26.	
	27. Tank(s) equipped with overfill protection;			27.	
1.1	28. Facility meets construction upgrading sc			28.	

Poska 111/15

Page 1 of 2

Name: SNOX DRIT HOUSE
Facility ID #: 09850311
Date 15 Tun 95

Performance in the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	E ENVIRONS		Name: SNOX DRIT HOUSE	
UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION FORM           PERFORMANCE STANDARDS (CATHODIC PROTECTION Continued DSSCarC)         Storage         Storage <thstorage< th="">         Storage         Storage</thstorage<>	(A)		Facility ID #: 098503111	
UNDERGROUND STORAGE TANK COMPLIANCE INSPECTION FORM           PERFORMANCE STANDARDS/CATHODIC PROTECTION Continued Displance: 17-78 1.500           PERFORMANCE STANDARDS/CATHODIC PROTECTION Continued Displance: 17-78 1.500           PERFORMANCE STANDARDS/CATHODIC PROTECTION Continued Displance: 17-78 1.500           20. New philing tas secondary containment: (2)         28.           30. Dispenses are upgraded with propying schedule; 17-78 1.500 (6)         30.           Cathodic projection system provides continuous protection; (77-76 1.730 (1)-(4)         32.           Cathodic projection system provides continuous protection; (77-76 1.730 (1)-(4)         32.           33. PSSIC conclusted attacts repain. Intelliation or removals; 17-76 1.740 (1)-(9)         34.           35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-76 1.500 (3)         38.           38. Vacor monitoring wells are properly sampled and meet the requirements of 17-76 1.600 (5)           38. Vacor monitoring wells are properly sampled and meet the requirements of 17-76 1.600 (2)           38. Vacor monitoring wells are properly sampled and meet the requirements of 17-76 1.600 (2)           38. Vacor monitoring wells are properly sampled and meet the requirements of 17-76 1.600 (4) <th colspa<="" th=""><th>1</th><th></th><th>Date: 15 Jun 95</th></th>	<th>1</th> <th></th> <th>Date: 15 Jun 95</th>	1		Date: 15 Jun 95
PERFORMANCE STANDARDS/CATHODIC PROTECTION Continued         Pring order:::::::::::::::::::::::::::::::::::	AN WIRMING			
PERFORMANCE STANDADS/CATHODIC PROTECTION         Continued           Pring ontent: 17-75 15:00         28         New piping has secondary containment.(2)         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29         29 <t< th=""><th></th><th></th><th></th></t<>				
Dispenser         Close not         Shear         valve           Peing crimeria: 17-761.500         28.         44.         44.         44.           30.         Dispenser: are upgraded with properly installed and maintained lines; (6)         31.         44.           31.         Facility mestic construction upgrading schedule: 17-761.500         31.         44.           31.         Facility mestic construction upgrading schedule: 17-761.701.710 (1)-(9)         33.         44.           32.         Cathodic protection/ Cathodic protections system proving schedule: 17-761.700 (1)-(9)         33.         44.           33.         PSSE conducted all storage tank repairs, installations or removals; 17-761.700 (1)-(9)         33.         44.           34.         Test petroleum or hazardous substance storage tanks provided with an approval release detection system upon installation; 17-761.600 (3)         36.         41.           33.         New petroleum or hazardous substance storage tanks provided with an approval release detection system set properly sampled and meet the requirements of 17-761.600 (3)         37.           34.         release detection system provided schedules at least every 30 days; 17-761.600 (3)         37.           33.         Genconvater monotrong wells are properly sampled and meet the requirements of 17-761.640 (2)         39.           An approved release detection system provindid with econdary containme	STATE OF FLO	COMPLIANCE INSPECTION FORM		
Dispenser         Close not         Shear         valve           Peing crimeria: 17-761.500         28.         44.         44.         44.           30.         Dispenser: are upgraded with properly installed and maintained lines; (6)         31.         44.           31.         Facility mestic construction upgrading schedule: 17-761.500         31.         44.           31.         Facility mestic construction upgrading schedule: 17-761.701.710 (1)-(9)         33.         44.           32.         Cathodic protection/ Cathodic protections system proving schedule: 17-761.700 (1)-(9)         33.         44.           33.         PSSE conducted all storage tank repairs, installations or removals; 17-761.700 (1)-(9)         33.         44.           34.         Test petroleum or hazardous substance storage tanks provided with an approval release detection system upon installation; 17-761.600 (3)         36.         41.           33.         New petroleum or hazardous substance storage tanks provided with an approval release detection system set properly sampled and meet the requirements of 17-761.600 (3)         37.           34.         release detection system provided schedules at least every 30 days; 17-761.600 (3)         37.           33.         Genconvater monotrong wells are properly sampled and meet the requirements of 17-761.640 (2)         39.           An approved release detection system provindid with econdary containme			Yes No Unk N/A	
Dispenser       Cost of the set of th				
Piping orments: 17-76 1.500.         28         New poling has secondary containment; (2)         28	PERFOR			
29. New piping has secondary containment; (2)       29.       29.         30. Dispersent are upgraded with properly installed and maintained lines; (6)       30.       30.         31. Facility meets construction upgrading achedule; (7:761.510 (6)       31.       31.         31. Facility meets construction upgrading achedule; (7:761.730 (1)-(4)       32.       32.         32. Cathodic protection System provides continuous protection; 17:761.740 (1)-(9)       33.       32.         33. PSSSC conducted all storage tank repairs, installations or removals; 17:761.740 (1)-(9)       34.       33.         34. Test performed by a DPR-registered tester; 17:761.740       34.       34.         35. New petroleum or hazardous substance storage tanks provided with an approved release detection systems ment general release standards; 17:761.600 (3)       36.         37. Release detection systems meet general release standards; 17:761.600 (3)       38.       34.         38. All release detection systems meet general release standards; 17:761.600 (3)       38.       34.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17:761.600 (2)       38.       34.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17:761.600 (2)       38.       34.         40. Existing holicular fuel storage tanks; 17:761.600       41.       41.       41.         41. Existing whindure fuels to regu			Nolve.	
30. Dispenses are uograded with poperty installed and maintained liners; (6)       31. Solity meets construction upgrading schedule; 17-761.510 (6)       31. Solity meets construction upgrading schedule; 17-761.510 (5)         31. Solity meets construction upgrading schedule; 17-761.510 (5)       31. Solity meets construction upgrading schedule; 17-761.730 (1)-(4)       32. Cathodic protection system provides continuous protection; 17-761.740 (1)-(9)       33. Solity meets construction upgrading schedule; 17-761.740 (1)-(9)         33. RESC concursed all storage tanks reveals, installations or removals; 17-761.740 (1)-(9)       34. Solity meets construction upgrading schedule; 17-761.740 (1)-(9)       34. Solity meets construction upgrading schedule; 17-761.740 (1)-(9)         34. RELEASE DETECTION/MONITORING WELLS       Comments:       35. Solity meets construction upgrading schedule; 17-761.740 (1)-(9)       36. Solity meets construction upgrading schedule; 17-761.600         35. New petroleum or hazardous substance storage tanks provided with an approved release detection system are monitored for a discharge at least every 30 days; 17-761.600 (5)       36. Solity meets construction upgrading with a sproved release detection system is provided for.       38. Solity approved values and and meet the requirements of 17-761.640 (2)         36. Solity detection system is provided for.       40. Existing values at the site interquirements of 17-761.640 (2)       41. Solity apprentions upprovided with secondary containment; 17-761.630       43. Solity apprentions upprovided with secondary containment; 17-761.630       43. Solity apprentions upprovided with secondary containment; 17-761.630       44. Solity a	Piping crite	ia; 17-761.500:	V.////X///X////X//////	
30. Dispensers are upgraded with poperly installed and maintained liners; (6)       30.       31. Setting and the property installed and maintained liners; (6)       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31.       31. <t< th=""><th>29</th><th>New piping has secondary containment; (2)</th><th>29.</th></t<>	29	New piping has secondary containment; (2)	29.	
31. Fability meets construction upgrading solvable, 17-761.510 (6)       31.         32. Cathodic protection/Cathlied Contractors /Tightness Testing       32.         33. PSSSC conducted all storage tank repairs, installations or removals; 17-761.730 (1)-(4)       32.         34. Test performed by a DPR-registered taster; 17-761.740       34.         35. New perfoleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.740       36.         36. All release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (3)       36.         37. New perfoleum or hazardous substance storage tanks provided with an approved release detection systems are monitorid for all scharge at least every 30 days; 17-761.6100 (3)       36.         38. Grundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         41. Existing vehicular fuel storage tanks; 17-761.620       42.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.620       42.         44. Integral piping movided with secondary containment; 17-761.620       42.         45. Storage systems have been emplied of regulated substances; 17-761.620       42.         46. Storage systems have been emplied of regulated substanc				
Cathodic Protection/Certified Contractors / Tightness Testing       32       Cathodic protection Octified Contractors / Tightness Testing         33       Cathodic protection system provides continuous protection; 17-761.730 (1)-(4)       32       32         34       Test performed by a D.P.R-registered tester; 17-761.740       34       34         74       RELEASE DETECTION/MONITORING WELLS       Comments:       35         35       New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.800 (3)       36       37         36       Graundwater monitoring wells are properly sampled and meet the requirements of 17-761.600 (5)       37       36         37       Release detection systems are monitored for a discharge at least every 30 days; 17-761.610 (1)       38       38         39       Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38       40         41       Existing hazardous substance storage tanks; 17-761.650       40       41       41         42       Other existing regulated substance storage tanks; 17-761.650       42       42       41         43       Integral pipting without secondary containment; 17-761.630       43       44       44       44         44       Integral pipting without secondary containment; 17-761.630       43 <td< th=""><th>Sec. S. S. S. S. S.</th><th>,我们就是一个人,我们就是我说了,这些你们,我还是这些人,你就是你能是我们的是我们就是我们就是你能够了。""我们也是我说了我说了。"</th><th></th></td<>	Sec. S. S. S. S. S.	,我们就是一个人,我们就是我说了,这些你们,我还是这些人,你就是你能是我们的是我们就是我们就是你能够了。""我们也是我说了我说了。"		
32. Cathodc protection system provides continuous protection; 17-761730 (1)-(4)       32.         33. PSSC conducted all alorage tank repairs, installations or removals; 17-761.740 (1)-(9)       33.         34. Test performed by a DPR-registered tester; 17-761.740 (1)-(9)       33.         35. New petroleum or hazardous substance storage tanks provided with an approved release detection system suppoin installation; 17-761.600 (3)       36.         36. All release detection systems meet general release standards; 17-761.600       36.         37. Release detection systems meet general release standards; 17-761.600       36.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         An approved release detection system is provided for       41.         40. Existing vehicular fuel storage tanks; 17-761.620       42.         41. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage system have been empted of regulated substances; 17-761.620       42.         46. Corrosion protection	20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	- The second second second second second second second second second second second second second second second	minhinikininhini	
33. PSSSC conducted all storage tank repairs, installations or removals; 17-761.740 (1)-(9)       33.         34. Test performed by a D.P.R-registered taster, 17-761.740       34.         7. ReLEASE DETECTION/MONITORING WELLS       Comments:         35. New petroleum or hazardous substance storage tanks provided with an approved release detection system monitored for a discharge at least every 30 days; 17-761.600 (5)       35.         36. All release detection systems meet general release standards; 17-761.600 (5)       37.         37. Release detection systems meet general release standards; 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         An approved release detection system is provided for.       40.         40. Existing regulated substance storage tanks; 17-761.620       40.         41. Existing regulated substance storage tanks; 17-761.620       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integrate pipting without secondary containment; 17-761.620       43.         44. Integrate pipting without secondary containment; 17-761.620       44.         45. Storage systems have been emplied of regulated substances (17-761.200 (26)       44.         46. Corrosion protection property maintained; (10 (a) (1). <th></th> <th>・ション 医してもの 特別語 とうかい たいしょう 小山道 シント しょうしょう しょうしょう しょうかい アイ・シート しゅうしょう</th> <th>Y11111 (1111) (1111)</th>		・ション 医してもの 特別語 とうかい たいしょう 小山道 シント しょうしょう しょうしょう しょうかい アイ・シート しゅうしょう	Y11111 (1111) (1111)	
34         Test performed by a D.P.R-registered tester, 17-761.740         34.	32			
RELEASE DETECTION/MONITORING WELLS       Comments:         35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.600 (3)       35.         36. All release detection systems meet general release standards; 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         An approved release detection system is provided for:       40.         40. Existing hazardous substance storage tanks; 17-761.650       40.         41. Integrate ping provided with secondary containment; 17-761.620       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integrate ping provided with secondary containment; 17-761.640 (8)       44.         0UT-OF-SERVICE STATUS       Comments:       1"         44. Integrate ping without secondary containment; 17-761.640 (8)       45.       1.         45. Storage systems have been empiled of regulated substances; 17-761.20 (26)       45.       1.         46. Corrosion protection properly maintained; (1)(a) (1)       46.       1.         47. Producct       The Labor       1	33	PSSSC conducted all storage tank repairs, installations or removals; 17-761.740 (1)-(9	9) 33.	
35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.600 (3)       36.         38. All release detection systems meet general release standards; 17-761.800       36.         37. Release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection system is provided for:       40.         40. Existing required by basene storage tanks; 17-761.650       40.         41. Existing required by basene storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emptied of regulated substances; 17-761.620       45.         45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         46. Corrosion protection properly maintainad; (1) (a) (1)       46.         47. Predease detection system monitored for evidence of a discharge at least every six months:       7.         48. Vent lines open, ancitlary equipment secured; (1) (b)       48.       10.         49. Deten upgraded or replac	34	Test performed by a D.P.Rregistered tester, 17-761.740	34	
35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.600 (3)       36.         36. All release detection systems meet general release standards; 17-761.800       37.         7. Release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         An approved release detection systems is provided or.       40.         40. Existing required substance storage tanks; 17-761.560       40.         41. Existing required substance storage tanks; 17-761.620       42.         42. Other existing required substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emplied of regulated substances; 17-761.620       45.         46. Corrosion protection properly maintained; (1) (a) (1)       46.         47. Prelease detection system monitored for evidence of a discharge at least every six months: (1) (a) (2)       48.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Desen upgraded or replaced before returning to service; (1) (c)       48.         51. Been out-of-service for no more than 12 months (uprotected bare steel	and the state of the state of the state of the state of the state of the state of the state of the state of the			
35. New petroleum or hazardous substance storage tanks provided with an approved release detection system upon installation; 17-761.600 (3)       36.         38. All release detection systems meet general release standards; 17-761.800       36.         37. Release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         An approved release detection system is provided for:       40.         40. Existing required substance storage tanks; 17-761.650       40.         41. Existing required substance storage tank; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emplied of regulated substances; 17-761.620       45.         45. Storage systems have been emplied of regulated substances; 17-761.200 (26)       45.         46. Corrosion protection properly maintained; (11) (a) (1)       46.         47. Pretease detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       51.         48. Vent lines open, ancillary equipment secured; (11) (b)       48.       51.         49. Deen upgra				
system Upon Installation; 17-761.600 (3)       33. All release detection systems meet general release standards; 17-761.600       36.         37. Release detection systems meet general release standards; 17-761.600 (5)       37.         38. Groundwater monitoring wells are property sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are property sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection systems is provided for       40.         40. Existing heaterdous substance storage tanks; 17-761.650       40.         41. Existing vehicular tuel storage tanks; 17-761.620       41.         42. Other existing regulated substance storage tanks; 17-761.630       43.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emptied of regulated substances; 17-761.800       45.         60. Corosion protection property maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months;       17.         61. Been uporaded toric terturing to service; (1) (c)       50.         53. Proper closure for an unmaintained tank; (2)       53.         54. Haid a dosure assessment properly performed; (3)'       54.         55. Facility appli	L DELEAS			
system Upon Installation; 17-761.600 (3)       33. All release detection systems meet general release standards; 17-761.600       36.         37. Release detection systems meet general release standards; 17-761.600 (5)       37.         38. Groundwater monitoring wells are property sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are property sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection systems is provided for       40.         40. Existing heaterdous substance storage tanks; 17-761.650       40.         41. Existing vehicular tuel storage tanks; 17-761.620       41.         42. Other existing regulated substance storage tanks; 17-761.630       43.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emptied of regulated substances; 17-761.800       45.         60. Corosion protection property maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months;       17.         61. Been uporaded toric terturing to service; (1) (c)       50.         53. Proper closure for an unmaintained tank; (2)       53.         54. Haid a dosure assessment properly performed; (3)'       54.         55. Facility appli		New patrolation or hazardaya substance starting table are used with an account and		
36. All release detection systems meet general release standards; 17-761.600       36.         37. Release detection systems are monitored for a discharge at least every 30 days; 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection system is provided for:       40.         40. Existing hearardous substance storage tanks; 17-761.610       41.         41. Deter existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (3).       44.         45. Storage systems have been emplied of regulated substances; 17-761.200 (26)       45.         66. Corrosion protection properly maintained; (1) (a) (1)       46.       47.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.       49.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.       49.       49.         49. Been upgraded or replaced before returning to service; (1) (c)       50.       51.       51.         50. Been tested tight before returning to service; (1) (d)       53.       54. <td< td=""><td>3</td><td></td><td>$\pi \pi \pi n \pi n \pi n \pi n \pi n \pi n \pi n \pi n \pi n$</td></td<>	3		$\pi \pi \pi n \pi n \pi n \pi n \pi n \pi n \pi n \pi n \pi n$	
37. Release detection systems are properly sampled and meet the requirements of 17-761.600 (5)       37.         38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       38.         An approved release detection system is provided for.       40.         40. Existing velocular fuel storage tanks; 17-761.650       40.         41. Existing velocular fuel storage tanks; 17-761.610       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping mithout secondary containment; 17-761.640 (8)       44.         0UT-OF-SERVICE STATUS Comments:       1" Product Houring To Release detection properly maintained; (1) (a) (1)         45. Storage systems have been emptied of regulated substances in 7-761.800 (26)       45.         64. Corrosion protection properly maintained; (1) (b) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.         48. Vent lines open, antolikary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       50.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than 12 months (uprotected bare steet systems); (2) (b)       52.		이야 같은 사람이 있는 것 같은 것이 같아요. 그는 것 같은 것 같은 것이 있는 것 같은 것을 알 수 있는 것 같은 것을 가지 않는 것이 있다. 것은 것 같은 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 없다. 이렇게 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 없다. 것이 있는 것이 있는 것이 있는 것이 있는 것이 없다. 것이 있는 것이 있는 것이 있는 것이 없다. 같이 있는 것이 있는 것이 없다. 것이 있는 것이 없다. 것이 있는 것이 없다. 것이 있는 것이 없다. 것이 있는 것이 없다. 가지 않는 것이 있는 것이 없다. 것이 없다. 것이 있는 것이 없다. 같이 없다. 것이 없다. 같이 없다. 것이 없다. 같이 없다. 같이 없다. 것이 없다. 같이 없다. 것이 않다. 않다. 것이 없다. 것이 없다. 것이 없다. 것이 없다. 않다. 않다. 않다. 않다. 않다. 않다. 않다. 않다. 않다. 않		
38. Groundwater monitoring wells are properly sampled and meet the requirements of 17-761.640 (1)       38.         39. Vapor monitoring wells are properly sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection system is provided for:       40.         40. Existing vehicular fuel storage tanks; 17-761.560       40.         41. Existing vehicular fuel storage tanks; 17-761.620       42.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         OUT-OF-SERVICE STATUS       Comments:         45. Storage systems have been emplied of regulated substances; 17-761.200 (26)       45.         04. Out-of-Service storage tank systems have; 17-761.800:       46.         46. Corrosito properly maintained; (1) (b)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Been out-of-service for no more than two years; (1) (c)       50.         50. Been tasted tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52. <td>3</td> <td>All release detection systems meet general release standards; 17-761.600</td> <td>36.</td>	3	All release detection systems meet general release standards; 17-761.600	36.	
39. Vapor monitoring wells are property sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection system is provided for:       40.         40. Existing hazardous substance storage tanks; 17-761.560       40.         41. Existing velicular fuel storage tanks; 17-761.610       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         6. Corrosion protection property maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months:       11.         48. Velt lines open, anolitary equipment secured; (1) (b)       48.         49. Been ugraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Proce closure for an unmaintained tank; (2)       53.         52. Proce closure for an unmaintained tank; (2)       53.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment property performed; (3):       54.         55. Facility applied for Alternate Procedure	3	Release detection systems are monitored for a discharge at least every 30 days; 17	7-761.600 (5) 37,	
39. Vapor monitoring wells are property sampled and meet the requirements of 17-761.640 (2)       39.         An approved release detection system is provided for:       40.         40. Existing hazardous substance storage tanks; 17-761.560       40.         41. Existing vehicular luel storage tanks; 17-761.610       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         60tr-of-Service storage tank system shave; 17-761.800:       46.         46. Corrosion protection property maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months:       47.         (1) (a) (2)       48.       49.         48. Well lines open, anolilary equipment secured; (1) (b)       48.       49.         49. Been out-of-service for no more than two years; (1) (c)       50.       50.         51. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       53.         52. Proce closure for an unmaintained tank; (2)       53.       54.       55.         52. Facility applied for Alternate Pro	3	Groundwater monitoring wells are properly sampled and meet the requirements of 17	7-761.640(1) 38.	
An approved release detection system is provided for:       40.       41.         40.       Existing hazardous substance storage tanks; 17-761.560       40.         41.       Existing regulated substance storage tanks; 17-761.620       42.         43.       Integral piping provided with secondary containment; 17-761.630       43.         44.       Integral piping without secondary containment; 17-761.630       43.         44.       Integral piping without secondary containment; 17-761.640 (8)       44.         45.       Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         60.       Corrosion protection property maintained; (1) (a) (1)       46.       46.         47.       Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.       48.         48.       Vent lines open, ancillary equipment secured; (1) (b)       48.       48.         49.       Been upgraded or replaced before returning to service; (1) (c)       50.       51.         51.       Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       53.         53.       Proper closure for an unmaintained tank; (2)       53.       54.       55.         55.       Facility applied for Alternate Procedure (Explain in comment); 17.761.850       55.	3			
40. Existing hazardous substance storage tanks; 17-761.560       40.         41. Existing vehicular fuel storage tanks; 17-761.610       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         46. Corrosion protection property maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         55. Facility applied for Alternate Procedure (Explain in comment); 17.761.850       55.			minhim	
41. Existing vehicular fuel storage tanks; 17-761.610       41.         42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping without secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         0UT-OF-SERVICE STATUS       Comments:         11. Product       Hound, 10.         45. Storage systems have been emptied of regulated substances; 17-761.800 (26)       45.         46. Corrosion protection properly maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       56.         51. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)'       54.         55. Facility applied for Alternate Procedure (Explain in comment), 17.781.850       55.			γ	
42. Other existing regulated substance storage tanks; 17-761.620       42.         43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         0UT-OF-SERVICE STATUS       Comments:         45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         6. Corrosion protection property maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.         48. Vent lines open, anditary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Beén out-of-service for no more than two years; (1) (d)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment property performed; (3):       54.         55. Facility applied for Alternate Procedure (Explain in comment): 17.761.850       55.	4		40.	
43. Integral piping provided with secondary containment; 17-761.630       43.         44. Integral piping without secondary containment; 17-761.640 (8)       44.         0UT-OF-SERVICE STATUS       Comments:         1"       P Od.c.A.         45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         46. Corrosion protection properly maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months;       47.         (1) (a) (2)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       48.         50. Been tested tight before returning to service; (1) (c)       50.         51. Proper closure for an unmaintained tark; (2)       53.         53. Proper closure for an unmaintained tark; (2)       53.         54. Had a closure assessment properly performed; (3):       54.         VIII.       VARIANCE       Comments:         55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.	4	Existing vehicular fuel storage tanks; 17-761.610	41.	
44. Integral piping without secondary containment; 17-761.640 (8)       44.         OUT-OF-SERVICE STATUS       Comments:       1" Product found in found in found y discovered for the second stances; 17-761.200 (26)         45. Storage systems have been emplied of regulated substances; 17-761.200 (26)       45.       45.         0ut-of-Service storage tank systems have; 17-761.800:       46.       46.         46. Corrosion protection properly maintained; (1) (a) (1)       46.       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       48.       49.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.       49.       49.         49. Been upgraded or replaced before returning to service; (1) (c)       50.       50.       50.       50.         50. Been tested tight before returning to service; (1) (c)       50.       51.       52.       53.         51. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       53.       54.       54.       55.         55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.       55.       55.       55.       55.	. 4	Other existing regulated substance storage tanks; 17-761.620	42.	
OUT-OF-SERVICE STATUS Comments:	4	Integral piping provided with secondary containment; 17-761.630	43.	
OUT-OF-SERVICE STATUS Comments:	4	Integral piping without secondary containment: 17-761.640 (8)	44.	
45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         Out-of-Service storage tank systems have; 17-761.800:       45.         46. Corrosion protection properly maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       47.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Been out-of-service for an unmaintained tank; (2)       53.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3):       54.         VIII.       VARIANCE       Comments:         55. Facility applied for Alternate Procedure (Explain in comment): 17.761.850       55.				
45. Storage systems have been emptied of regulated substances; 17-761.200 (26)       45.         Out-of-Service storage tank systems have; 17-761.800:       45.         46. Corrosion protection properly maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       47.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Been out-of-service for an unmaintained tank; (2)       53.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3):       54.         VIII.       VARIANCE       Comments:         55. Facility applied for Alternate Procedure (Explain in comment): 17.761.850       55.		COVICE STATUS CONTRACTOR	a production of the second of the	
Out-of-Service storage tank systems have; 17-761.800: <ul> <li>46. Corrosion protection properly maintained; (1) (a) (1)</li> <li>47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)</li> <li>48. Vent lines open, ancillary equipment secured; (1) (b)</li> <li>48. Vent lines open, ancillary equipment secured; (1) (c)</li> <li>49. Been upgraded or replaced before returning to service; (1) (c)</li> <li>49. Been out-of-service for no more than two years; (1) (d)</li> <li>51. Been out-of-service for no more than 12 months (uprotected bare steel systems); (2) (b)</li> <li>52. Been out-of-service for no more than 12 months (uprotected bare steel systems); (2) (b)</li> <li>52. Been out-of-service for an unmaintained tank; (2)</li> <li>53. Proper closure for an unmaintained tank; (2)</li> <li>54. Had a closure assessment properly performed; (3):</li> </ul> <ul> <li>VIII.</li> <li>VARIANCE</li> <li>Comments:</li> <li> <u>10. Uter</u></li> </ul>	001-01	ERVICE STATUS Comments: PT003C1_700116. TT	is really alscovered	
Out-of-Service storage tank systems have; 17-761.800: <ul> <li>46. Corrosion protection properly maintained; (1) (a) (1)</li> <li>47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)</li> <li>48. Vent lines open, ancillary equipment secured; (1) (b)</li> <li>48. Vent lines open, ancillary equipment secured; (1) (c)</li> <li>49. Been upgraded or replaced before returning to service; (1) (c)</li> <li>49. Been out-of-service for no more than two years; (1) (d)</li> <li>51. Been out-of-service for no more than 12 months (uprotected bare steel systems); (2) (b)</li> <li>52. Been out-of-service for no more than 12 months (uprotected bare steel systems); (2) (b)</li> <li>52. Been out-of-service for an unmaintained tank; (2)</li> <li>53. Proper closure for an unmaintained tank; (2)</li> <li>54. Had a closure assessment properly performed; (3):</li> </ul> <ul> <li>VIII.</li> <li>VARIANCE</li> <li>Comments:</li> <li> <u>10. Uter</u></li> </ul>		TAOK		
46. Corrosion protection properly maintained; (1) (a) (1)       46.         47. Release detection system monitored for evidence of a discharge at least every six months; (1) (a) (2)       47.         48. Vent lines open, ancillary equipment secured; (1) (b)       48.         49. Been upgraded or replaced before returning to service; (1) (c)       48.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3):       54.         VIII.       VARIANCE       Comments:         55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.         11.       11.			45.	
47. Release detection system monitored for evidence of a discharge at least every six months;       47.         (1) (a) (2)       48. Vent lines open, ancillary equipment secured; (1) (b).       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         VIII. VARIANCE Comments:         55. Facility applied for Alternate Procedure (Explain in comment).17.761.850       55.         VIII.       Other Comments:	Out-of-S		<u> </u>	
47. Release detection system monitored for evidence of a discharge at least every six months;       47.         (1) (a) (2)       48. Vent lines open, ancillary equipment secured; (1) (b).       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         VIII. VARIANCE         VARIANCE         Comments:         10.         11.         11.         11.         11.         12.         55. Facility applied for Alternate Procedure (Explain in comment).17.761.850         10.         11.         11.         11.         11.         12.         55.         12.         12.	4	Corrosion protection properly maintained; (1) (a) (1)	46.	
48. Vent lines open, ancillary equipment secured; (1) (b).       48.       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.       49.         50. Been tested tight before returning to service; (1) (c)       50.       50.         51. Been out-of-service for no more than two years; (1) (d)       51.       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       52.         53. Proper closure for an unmaintained tank; (2)       53.       ✓       ✓         54. Had a closure assessment properly performed; (3)       54.       54.       55.         75. Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.       ////////////////////////////////////	4		x months; 47.	
48. Vent lines open, ancillary equipment secured; (1) (b).       48.       48.         49. Been upgraded or replaced before returning to service; (1) (c)       49.       49.         50. Been tested tight before returning to service; (1) (c)       50.       50.         51. Been out-of-service for no more than two years; (1) (d)       51.       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       52.         53. Proper closure for an unmaintained tank; (2)       53.       ✓       ✓         54. Had a closure assessment properly performed; (3)       54.       ✓       ✓         VIII.       VARIANCE       Comments:       55.       Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.           X.       Other       Comments:		(1) (a) (2)		
49. Been upgraded or replaced before returning to service; (1) (c)       49.         50. Been tested tight before returning to service; (1) (c)       50.         51. Been out-of-service for no more than two years; (1) (d)       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         VIII. VARIANCE Comments:         55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.         VIII.       Other       Comments:				
50. Been tested tight before returning to service; (1) (c)       50.       50.         51. Been out-of-service for no more than two years; (1) (d)       51.       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       52.         53. Proper closure for an unmaintained tank; (2)       53.       ✓       53.         54. Had a closure assessment property performed; (3)       54.       54.       54.         VIII.       VARIANCE       Comments:       55.       Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.       Y////////////////////////////////////		그는 것 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같은 것 같		
51. Been out-of-service for no more than two years; (1) (d)       51.       51.         52. Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.         53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         VIII.       VARIANCE         55. Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.         IX.       Other         Comments:		(i) a statistical strategy where the statistical strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy is a strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy where the strategy w		
52.       Been out-of-service for no more than 12 months (unprotected bare steel systems); (2) (b)       52.       52.         53.       Proper closure for an unmaintained tank; (2)       53.       J       53.         54.       Had a closure assessment properly performed; (3)       54.       54.       54.         VIII.       VARIANCE Comments:         55.       Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.         VIII.       Other       Comments:	2 4 1 <b>5</b>			
53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         VIII.       VARIANCE         Comments:	5	. Been out-of-service for no more than two years; (1) (d)	51. V	
53. Proper closure for an unmaintained tank; (2)       53.         54. Had a closure assessment properly performed; (3)       54.         VIII.       VARIANCE         Comments:	Ę	. Been out-of-service for no more than 12 months (unprotected bare steel systems	s); (2) (b) 52.	
54. Had a closure assessment properly performed; (3)       54.         VIII.       VARIANCE       Comments:         55.       Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.         IX.       Other       Comments:	Ę	2. 如此现代,不可能的问题的方法。 不可能的 "这一个问题的",这些是这个人们还是这些人们不能可能做这些人们也可能是我们的一个人,并不是我们不可以不可能。		
VIII.       VARIANCE       Comments:         55.       Facility applied for Alternate Procedure (Explain in comment) 17.761.850       55.         IX.       Other       Comments:		and a present the well and the state of the second state of the state of the state of the state of the state of the		
55. Facility applied for Alternate Procedure (Explain in comment) 17.781.850				
55. Facility applied for Alternate Procedure (Explain in comment) 17.781.850				
IX. Other Comments:	VIII. VARIAN	Comments:		
IX. Other Comments:				
	1. 19 A. 19 A. 19	Facility applied for Alternate Procedure (Explain in comment) 17.761.850	55. ///////	
	IX Other	omments:		
56 Any other violations noted during inspection (Explain in comments)			· · · · · · · · · · · · · · · · · · ·	
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	area and an an an an an an an an an an an an an	Any other violations noted during inspection (Evolution in commonts)	5e   ///////   /	
	3	) - Any one storably a noted on the rispection (cypical in comments)	national des real spectrum (1111111)	

.

۰.

Method of Initial discovery. (circle one only)     A. Liquid detector (submatic or manual)     D. Emptying and inspection.     F. Yapor or visible signs of a discharge in the line     B. Vapor detector (submatic or manual)     E. inventory control.     G. Closure:				510131440120 P.02
Florida Department of Environmental Regulation     The Torvers Office Exig. • 2500 Blak Stone Road • Tababasee, Plorida 32599-2400     Discharge Reporting Form     Discharge Reporting Reporting Form     Discharge Reporting Form     Discharge Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reported Reporting Reporting Repor		· i		
Florida Department of Environmental Regulation         Twin Towers Office Edg. • 2600 Blak Stone Road • Tabatasse, Plorida 32590-2400         Discharge Reporting Form         Discharge second provide the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second				
Twin Towers Office Didg. • 2000 Bill Stone Road • Tallahouse, Plonta 32399-2400 Twin Towers Office Didg. • 2000 Bill Stone Road • Tallahouse, Plonta 32399-2400 Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discrimination Discriminatin Discrimination Discrimination Discriminati	Florida De	nariment of Fanimon	ental Regulation	From Tage Annotation Description Hanna
Discharge Reporting Form  Discharge Reporting Form  Despertment of Environmental Regulation of:  Results of tank lightness leading that eaced allowable references within tain days of inceipt of tex result.  Percent dasharges accessing 25 galaxies on pencical autaous as described in Socion 17-761-480 FAC within one working day of the dasourery.  Writin one working day of the dasourery of auspected releases confirmed by (a) released requised subtrance (CPCRC) is regulated in described on the reverse side of the factorery.  Writin one working day of descovery of auspected releases confirmed by (a) released requised subtrance (CPCRC) is regulated releases and pencical endowing gene (a) released requised subtrance of the dasourery.  Writin one working day of descovery of auspected releases confirmed by (a) released requised subtrance of the dasourery of auspected releases confirmed by (a) released requised subtrance of the dasourery of auspected releases and have over four consultance on pencical autorial released requised subtrance of the dasourery of auspected releases and have over four consultance on pencical autorial released requised subtrance of the dasourery of auspected releases and have over four consultance on pencical autorial (a) description autorial of a dasourer or opencies and and the DER Pencify (b) humiters DP 8 S O 3000 and a pencificatio autorial over four consultance on a dasourer of the dasourer by the data and the DER Pencify (b) humiters DP 8 S O 3000 and a data and the data of the reverse add of this form the data of the reverse add and the DER Pencify (b) humiters DP 8 S O 3000 and a data and autorial autorial autorial autorial autorial and autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial autorial auto	A Designation of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the local day of the lo	e. 🦞	~	States Can Decamper 10 1920
Use this form to notify the Department of Environmental Regulation of:           1. Results of tax tightness testing that exceed allowable telerances within tan days of receipt of test result.           2. Percent desharps exceeding 25 gettions on perform sufficient sufficient autoons as described in Section 17751.450 FAC. Within one working day of the discovery.           3. Hazardous substance (CERCLA regulated, closingness exceeding applicable responsible quantifies established in 17761.450 FAC. Within one working day of the discovery.           4. Writin one working day of discovery of suspection regulated releases confirmed by: (a) released regulated substances to collected free section on the reverse side of the discovery.           4. Writin one working thy of discovery of suspection regulated substances on point and unactivated stronge spation operating conditions, (a) manual tark dailing results for an all discovery of suspection results are supplicable from the reverse side of the form reverse side of the form results dailing results for an all discovery for four on the reverse side of the form results of the discovery for the under an all discovery.           7. DER Resulty iD Number:         D9 S S D 3//// 2 Tark Number:         3. Date:         10///21//g           4. Factify Name:         KD 0X S BALL         A Advenue         3. Date:         10///21//g           7. DER Resulty iD Number:         D9 S S D 3//// 2 Tark Number:         3. Date:         10///21//g           8. Control of Closes of matrixed of states of the states of the states and states of the states result.         S. Date:         10///21//g           8. Decide of Closes of Closes				
<ol> <li>Result of tank tightness testing that exceed allowable tolerances within tan days of raceipt of test result.</li> <li>Faundaum Gashargas exceeding 25 galance on pendous subsons as described in Section 17751.450 FAC. within one working day of data and working day of the discovery.</li> <li>Writhin one working day of discovery of supported releases confirmed by (a) released requisited substances to collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of unperdod releases confirmed by (a) released requisited substances or collutants discovery of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the context of the</li></ol>	Tom	Discharge Rep	orting Form	
<ol> <li>Results of tank tightness testing that exceed allowable tolerances within tan days of raceight of test result.</li> <li>Pagnasum discharges exceeding 25 galance on pendicul suitaces as described in Section 17751.450 FA.C. within One working day of disc area working day of the discovery.</li> <li>Within one working day of discovery of suppricted releases confirmed by: (a) released requisited subtances or bolk anti- the surrounding area. (b) unsued and unscriptioned surges exceeding applicable reportable quantities established in 17761.450(2) FA.C. area working day of discovery of suppricted releases confirmed by: (a) released requisited subtances or bolk anti- the surrounding area. (b) unsued and unscriptioned surges exceeding acaditions. (c) manuel tank disclose area released and the surrounding results for tanks of 550 g or tank attack datare established in middles a release may have occurred. or (d) manuel tank disclose are subtances or tank attack datare established and unscriptioned surges exceeding the proceeding tan global part workly list or the QBIC of Surges occurred. If (d) manuel tank disclose tanks of 550 g or tank attack datare established to the QBIC of the surgest or tanks of 550 g or tank attack datare established to the QBIC of the surgest or tanks of 550 g or tank of the QBI of the QBI of the surgest or tanks of 550 g or tank to the QBI of the QBI of the surgest of the surgest or tanks of 550 g or tank to the QBI of the tank of the QBI of the surgest or tanks of 550 g or tank to the QBI of the tank of the tank of the tank of the tank of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of tanks of ta</li></ol>	•			
2. Forcieum dashargas escending 25 gelons on pendicus suitana su described in Section 17761.450 FA.C. within one working day of diss 3. Hazardous eutosence (CERCLA regulated), discharges exceeding applicable reponsible quantities established in 17761.450(2) FA.C. ane working day of the dascuery. 4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated subtances or pollutants discovery. 5. Within one working day of discovery of suspected releases confirmed by: (a) released regulated subtances or pollutants discovery. 5. Within one working day of discovery of suspected releases confirmed by: (a) released regulated subtances or pollutants discovery or sease discovery. 5. Walk to the DER District Office II your erea listed on the reverse side of this form 5. DER Restly ID Number: DP 8.5.0.3111, 3. Tark Number:			in the demonst requires of 1844	Palaster silv
<ul> <li>Hazardous substance (CERCLA regulated), destinges expending applicable regionable quantities established in 17761.460(2) FAC, are working day of the discovery.</li> <li>Within one working day of discovery of subsected releases confirmed by: (a) released regulated substances or pollutants discovery for surround and unterplained storage system operating conditions. (c) monotoling results for tanks of 550 or less, exceeding to glading per working day results for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per working day for tanks of 550 or less, exceeding to glading per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per second per</li></ul>				
are working day of the discovery.     4. With one working day of theoperative of suspected resues confirmed by: (a) released regulated substances or pollutants discovery for surplets and unexplained storage system coordinate. (a) monitoring fealulations and substances considered substances or pollutants discovery for texas and unexplained storage system conditions. (a) monitoring fealulations for tanks of 550 g or less, exceeding ten galons per weekly text or the galons averaged over four consecutive weekly text.      Mail to the DER District Oribon averaged over four consecutive weekly texts.      Mail to the DER District Oribon averaged over four consecutive weekly texts.      Mail to the DER District Oribon averaged over four consecutive weekly texts.      Mail to the DER District Oribon over four consecutive weekly texts.      Mail to the DER District Oribon averaged over four consecutive weekly texts.      Mail to the DER District Oribon over four consecutive weekly texts.      Mail to the DER District Oribon over four consecutive weekly texts.      Mail to the DER District Oribon over four consecutive weekly texts.      Mail to the DER District Oribon over four consecutive weekly texts.      Mail to the DER District Oribon over four consecutive weekly texts.      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank Number:      DER Pacifity Names <u>DIP S S O 3111</u> 2 Tank S UN 3000000000000000000000000000000				
The surrounding size, (b) unsued and unsurfatined screepe system operating conditions, (c) manual study basis from a leak detection in or thom a tenk detection in the induction and conserving the security rests.         Mail to the DEER District Office in your enex tisted on the reverse side of this form PLEASE PRINT OR TYPE Complete at applicable blanks         Pacifity ID Humber:       D7 8 50 3111 2 Tank Number:         Image: State of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of the security	one working day of the clacom	<b>**</b>		
PLEASE PRINT OF TYPE Complete all applicable blanks         r. DER Recitly ID Humber:       D9 8 50.3111       2 Tank Number:       3. Date:       10/27/49         4. Facility Name:       Kn 0x       BALT       House       3. Date:       10/27/49         4. Facility Name:       Kn 0x       BALT       House       3. Date:       10/27/49         4. Facility Name:       Kn 0x       BALT       House       Markey       Floridet         Facility Pactness:       SS 8       AlW       Back       J. Markey       Floridet         Facility Address:       IDI       EAST       Receiver, Control       Floridet         Mailing Address:       IDI       EAST       Receiver, Control       Floridet         6. Date of receiver of isst results or discovery.       IO/27/95       month/dd       Markey is the inspection.         7. Liquid deserver (automatic or manual)       D. Emptying and Inspection.       Floridet discovery is the inspection.       Science:       Science:       Science:         8. Vapor deserver (automatic or manual)       D. Emptying and Inspection.       Floridet discovery.       Science:       Science: </td <td>the suncending area, (b) where a tonk Cickle's assessme</td> <td>i and unscheined sorege eistern oper an thei indicate a release may have op</td> <td>eurrod, or (d) manual tank oa</td> <td>gresults from a leak detection method woing results for tanks of 550 galion:</td>	the suncending area, (b) where a tonk Cickle's assessme	i and unscheined sorege eistern oper an thei indicate a release may have op	eurrod, or (d) manual tank oa	gresults from a leak detection method woing results for tanks of 550 galion:
Complete al applicable blanks	kisi to	the DEA Divici Office in your used i	sied on the reverse side of t	his form
r. DER Receitly ID Number:       D98503111       2 Tank Number:       3. Dets:       10/20/44         4. Facility Name:       Binox       Bart       Houss       Mark vast       Floridation         Facility Name:       Binox       Bart       Houss       Mark vast       Floridation         Facility Conner or Operator:       Bisst       SS       Mark vast       Floridation         Facility Address:       ID1       EAST       Bark of the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to the strend to th	•		• • • • • •	
A. Facility Name: Knox BALT House         Facility Connex of Queenion: Direct Marcoward, Banch of Marthwest Floridat         Facility Connex of Queenion: Direct Marcoward, Banch of Marthwest Floridat         Facility Address:       558 AVW Band Avenue         Talaphone Number (2014)       7647 Brody Course, Citrus         Mailing Address:       101 EAST 23rd Churd, Penting Uty, FC 32402         8 Date of receipt of test needles of decovery:       10/27/95         8 Method of Wilds discovery, (circle one early)       A. Uquid detector (submetic or manual)         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         8 Nethod of Wilds discovery, (circle one early)       A. Uquid detector (submetic or manual)         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         8 Nethod of Wilds discovery, (circle one early)       A. Uquid detector (submetic or manual)         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         8 Nethod of Wilds discovery, (circle one early)       Markowar,         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         9 Nation detector (submetic or manual)       D. Emptying and Inspection:         9	ç			into las
Factory Conner of Quarterst, <u>filest</u> , <u>Markowsk</u> , <u>Markowsk</u> , <u>Markowsk</u> , <u>Filenidat</u> Factory Address, <u>SSB</u> , <u>MW</u> , <u>Ba</u> , <u>A</u> , <u>Avenue</u> Telephone Number, <u>1904</u> , <u>764</u> , <u>3607</u> , <u>County</u> , <u>Cithens</u> Mailing Address, <u>101</u> , <u>EAST</u> , <u>23ad</u> , <u>Sharf</u> , <u>Factore</u> , <u>File</u> , <u>FL</u> , <u>384902</u> S Date of receipt of lest results of decourses, <u>10/27/95</u> Mailing Address, <u>101</u> , <u>EAST</u> , <u>23ad</u> , <u>Sharf</u> , <u>Factore</u> , <u>FL</u> , <u>FL</u> , <u>384902</u> S Date of receipt of lest results of decourses, <u>10/27/95</u> R Method of high descreary, (circle one analy)         A. Uquid descovery, (circle one analy)         A. Uquid descovery, (circle one analy)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         D. Emptying and Inspection.         B. Vapor descord (submastic or manual)         B. Wate part of stratege system has leaked? (circle all that apply)         A. Maached pascline <td></td> <td></td> <td>mber</td> <td>3 Dels: 10/27/95</td>			mber	3 Dels: 10/27/95
Proting Address 558 UW Bad Avenue Telephone Number (104) 764 - 3207 Courry. Citrus Method Address 101 CAST 23nd Churf, Pautona City, Ft 32402 5 Desc of receipt of least results or discovery: 10/27/95 month/de 6 Method of Initial discovery. (citris one beily) A Uquid detector (submatic or manual) D Emplying and Inspection. F Vepor or victic gipts of a discharge in the v B Vepor detector (submatic or manual) D Emplying and Inspection. F Vepor or victic gipts of a discharge in the v G Tightness last (underground tests crit). 7. Estimated number of getors discharged: Underground tests crit). 8. What part of storage system has leaked? (circle all that apply) A Dispenser (Pipe C Fitting D Tank E Un 9. Loss of regulated substance decharged. (circle all that apply) A Dispenser (Pipe C Fitting D Tank E Un 9. Loss of regulated substance decharged. (circle all that apply) A Dispenser (Pipe C Fitting D Tank E Un 9. Loss of regulated substance decharged. (circle circle circle) 9. Loss of regulated substance decharged. (circle circle circle) 9. Loss of leak (circle all that apply) 9. Cause of leak (circle all that apply) 9. Cause of leak (circle all that apply) 9. Cause of leak (circle all that apply) 9. Cause of leak (circle all that apply) 9. Cause of leak (circle all that apply) 9. A Unknown C Locee connection E Puncture G Spil	of I wanted a second and a second and a second a	الاست مستان الأربي من منه المستارية في الأربية (2014) من المنهم من من من المن من من المن المن من منها المن الم الأسماع المن المن المن المن المن المن المن المن	5 A 41 11 ·	·· CI
Tataly formation (2014)       764-3707       Courty:       C: huns         Mailing Address:       101       CAST       23nd       Shung, faamme City, fit 32402         8       Date of receipt of test results or decourse;       10/27/95       month/de         8       Method of Initial discovery, (circle one only)       A. Liquid detector (substratic or manual)       D. Emptying and Inspection.       F. Vapor or visite signs of a decharge in the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the	a defension of the second second second second second second second second second second second second second s		E of Mathie	st Proniola-
Mexicing Address:       101       EAST       23rd       Ghang       Partma       Pr.       3 E402         5. Date of receipt of leak results or discovery:       10/2.7/9.5       Month/de         6. Method of hilds discovery: (direle one only)       0. Emptying and Inspection.       F. Vapor or visite game of a discharge in the value         8. Method of hilds discovery. (direle one only)       0. Emptying and Inspection.       F. Vapor or visite game of a discharge in the value         8. Wepor detector (submatic or manuel)       0. Emptying and Inspection.       F. Vapor or visite game of a discharge in the value         9. Course last (underground tasks only)       E. inventiory control.       G. Other.       Sector of visite game of a discharge in the value         9. Estimated number of gallons discharged:	I CHARTY CALL CALL COMPANY	والمحمد والمتكرين المحمد المحارث والمستان مواسياتها ومعدان والكريج والمحمد والمكران		
5. Dase of receipt of least results of decovery:       10/2.7/9.5       month/de         6. Method of Inicial discovery. (circle one entry)       0. Emptying and inspection.       F. Vapor or violal signs of a discharge in the init of castorial states antry.         8. Vapor detector (submatic or manual)       0. Emptying and inspection.       F. Vapor or violal signs of a discharge in the init of castorial states antry.         7. Estimated number of gallons discharged:       Marknown.         8. What part of state(s system has leaked? (circle all that apply)       A. Dispenser (E) Fipe C. Fitting D. Tank E. Unit of state(s system has leaked? (circle all that apply)         9. Top of regulated substance docharged.       Lued/weste of C. Fitting D. Tank E. Unit of state(s social system)         9. Top of regulated substance docharged.       Lued/weste of C. Fitting D. Tank E. Unit of state(s social system)         9. Top of regulated substance docharged. (circle circle circle circle circle substance includes pessicities, and circles as and containes (write in name or Chemical A Service CAS number)         9. Lacked gasoline       F. exterior gas       M. clessel         9. Cases of leak. (circle all that apply)       A. Clessel       Service CAS number)         9. Corosion       F. Instaliation talues       H. Other (write in name)         9. Corosion       F. Instaliation talues       H. Other (specify)	Telephone Number (904)	A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL PROPERTY AND A REAL		
6. Method of Initial discovery. (circle one only)     A. Liquid detector (automatic or manual)     B. Vapor detector (automatic or manual)     B. Vapor detector (automatic or manual)     B. Vapor detector (automatic or manual)     B. Vapor detector (automatic or manual)     C. Tightness test (underground tables only)      C. Jacked gesoline      C. geschol      C. geschol      C. Jacked gesoline      C.	Mailing Address: 101	EAST L'SRI Ghung	farme City 1	<u>4 32402</u>
A. Louid detector (submatic or manual)       D. Emptying and inspection.       Plaper or victure ipras of a discharge in the intervence of the intervence in the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the intervence of the	5. Date of receipt of that results c	- <u>10/2</u>	7/95	montivdayiyee
E. What part of storage system has leaked? (drole all that apply) A. Dispenser (Pipe C. Fitting D. Tank E. Un     Source of regulated substance decharged. (drole one)     A. leaded pascine D. vehicular disset L. used/waste of V. hezardous substance includes pesifoldes and     chickine and contentes (write in name or Chemical A     Source CAS number)     Z. other (write in name)     Loces connection E. Functure     Source C. Spaller     I. Other (specify)     A. Unknown C. Loces connection F. Installetion fallers     H. Overfill	A. Liquid detector (sutomatic o B. Vapor detector (sutomatic o	r manual) D. Emplying and ins r manual) E. Inventory control. I tanks anity).	G. Closure: _	iti <del>s gigns of a dischargs in the vicinit</del> So : / 5 lexplain
8. Type of regulated substance decharged. (dircle one)         A. Jaaded gesoline       IL vehicular diesel         B. unleaded gesoline       F. existion geso         B. unleaded gesoline       F. existion geso         C. geschol       G. jot tuei         C. geschol       G. jot tuei         A. Unknown       C. Losse connection         E. Puncture       G. Spil         A. Unknown       C. Conveton         E. Spil       D. Conveton         F. Installetion talkine       H. Overfill	7. Estimated number of gallons d	lscharged: Hin Known		۰ مەربىيەن مەربىيە مەربىيە بىلىك ئېزىك قارىپى مەربىيە بىلىك بىلىك بىلىك بىلىك بىلىك بىلىك بىلىك بىلىك بىلىك بىلى
A) laaded gesoline       E vehicular diesel       L used/weate of       V. hezardous substance includes pesificides, am         B useded gesoline       F. extetion gas       M. clesel       Service CAS number)         C geschol       G. jot has       C newholes of       Z other (write in name or Chemical A Service CAS number)         10       Cause of leak. (circle all that epoly)       C. Losse connection       E. Functure       G. Spil         A) Unknown       C. Losse connection       E. Functure       G. Spil       I. Other (specify)         B. Spit       D. Corrosion       F. installation fallura       H. Overfill	E What part of strage system h	is leaked? (dicle all that apply) A	Dispensor Opipe C	Fitting O. Tank E. Unknow
El unicaded gasoline       F. eviction gas       M. clesel       chickine and contentes (write in name or Chemical A Service CAS number)         C. gasothol       G. jot tusi       C newholes of       Z other (write in name)         M. clesel       chickine and contentes (write in name)         M. clesel       C newholes of       Z other (write in name)         M. clesel       C newholes of       Z other (write in name)         M. clesel       C newholes of       Z other (write in name)         M. clesel       C newholes of       Z other (write in name)         M. clesel       C newholes of       Z other (write in name)         M. clesel       C spat       I. Other (specify)         A. Unknown       C loses connection       E. Functure       G. Spat         B. Spat       D. Corrosion       F. Installetion tallure       H. Overfill	a Trub of regulated substance of	පධානලපේ. (සැස්ද දහය)		
C. gaschol       G. jot husi       C. newholes of       Service CAS number)         10. Causa of leak. (circle all that apply)       C. Losse connection       E. Functure       G. Spil         A. Unknown       C. Losse connection       E. Functure       G. Spil       I. Other (specify)         B. Spil       D. Corrosion       F. Installetion fallura       H. Overfill				
10. Cause of leak (circle all that apply)         (A) Unknown       C. Losse connection         E. Spit       D. Corrosion         F. Installation talking       H. Overfill		-	Service CAS number	61)
A Unknown         C. Losse connection         E. Puncture         G. Spil         I. Other (specify)           B. Spil         D. Corrosion         F. Installetion talking         H. Overfill	An Deconstant 1	·	Z. other (write in nam	e)
E Spit D. Corrosion F. Installetion talking H. Overfill				• •
•				1. Oundr (spectry)
17. TV25 CI INSTANS AND CARDONLY, (CALCAS CIVE)		-		
A. Third party insurance provided by the state insurance contractor C. Not applicable			C. Not applicable	
B. Sett-insurance pursuant to Chapter 17-758.500 FAC				1
12. To the bast of my knowledge and belief all information submitted on this form is true, accurate, and complete.	12. To the bast of thy knowledge	a and ballef all information submit	so on this true, a	course, and complete.
	·		(1.1.1)	Vi
Printed Name of Owner, Operator of Authorized Representative Signature of Owner, Operator of Authorized Representative	Printed Name of Owner, Ochin	Nor of Autoplant Recrustering	Signature of Owner Op	erstor of Authorized Recressentative

P

th: THE

;

Site No. 90 City of Crystal River Public Works 1000 NW Sixth Avenue Crystal River, Florida FDEP I.D. No. 098518728



23

33

Evans Environmental & Geological Science and Management, Inc.

S/9/54

### CONTAMINATION ASSESSMENT REPORT ADDENDUM

for

CITY OF CRYSTAL RIVER MAINTENANCE GARAGE 1000 N.W. SIXTH AVENUE CRYSTAL RIVER, FLORIDA FDER Facility ID #098518728 - FILE

August, 1994

for submittal to:

Florida Department of Environmental Protection Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

prepared for:

City of Crystal River Department of Public Works 123 N.W. Highway 19 Crystal River, FL 34428

prepared by:

EE&G, INC. 11300 43rd Street North Clearwater, Florida 34622

EE&G Project Number: 40347-0003

liam H. Gou

#### 1.0 INTRODUCTION

EE&G, Inc., formerly Enviropact Consultants, Inc. (Enviropact) was retained by the City of Crystal River, Florida, to perform supplemental Contamination Assessment (CA) tasks in accordance with Florida Administrative Code (FAC) Chapter 17-770 (Petroleum Contamination Site Cleanup Criteria) at the City of Crystal River Public Works Facility/Maintenance Garage, 1000 N.W. Sixth Avenue, Crystal River, Citrus County, Florida. The FDER facility ID number for this site is #098518728.

### 1.1 BACKGROUND

13

4 -3

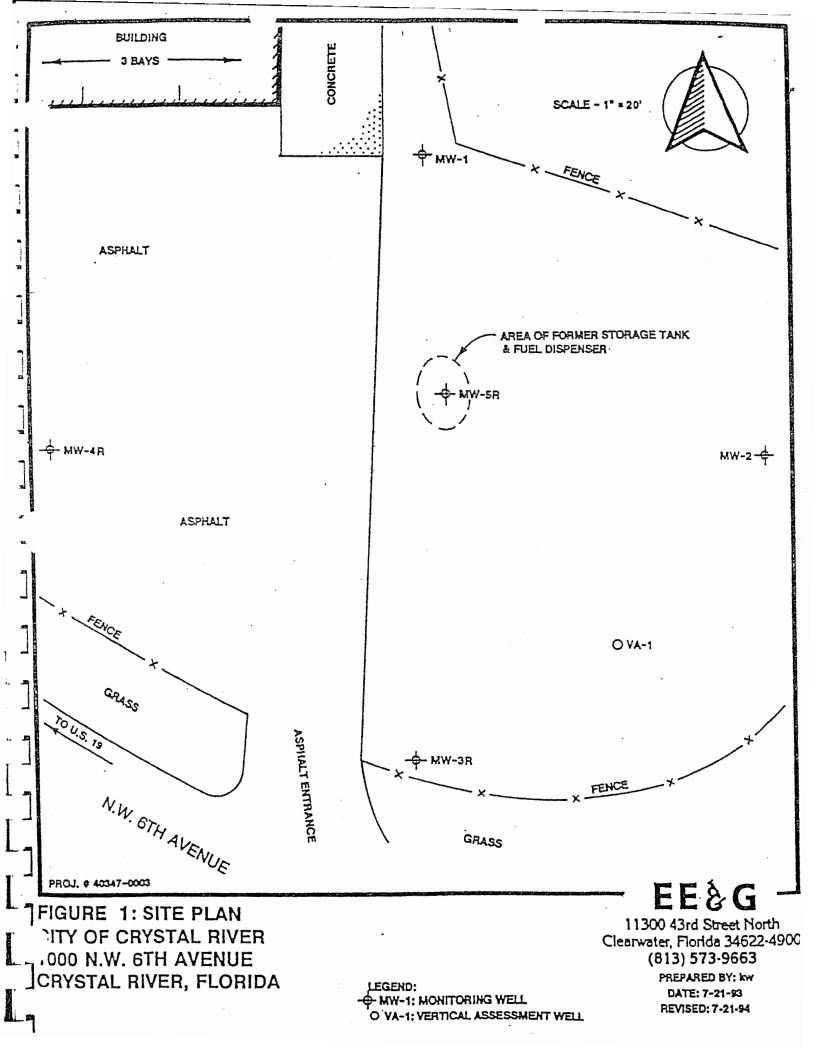
Enviropact performed a Contamination Assessment of the subject facility, and submitted a Contamination Assessment Report Addendum (CARA) to the FDER in February, 1992. The CARA identified "excessively contaminated" soil in the vicinity of the former UST vault at the subject site, and recommended removal of this soil as an Initial Remedial Action (IRA) activity. Following a review of the CAR Addendum document, in a letter dated March 6, 1992 (please see Attachment 1), the FDER recommended performing the proposed soil IRA, and collecting another round of groundwater samples from the existing monitoring wells. Key monitoring wells destroyed during soil removal activities would have to be replaced.

### 2.0 INITIAL REMEDIAL ACTION

On July 6-7, 1993, approximately six hundred seventy-nine (679) tons, or four hundred eighty-five (485) cubic yards, of "excessively contaminated" soil, as defined by FAC Chapter 17-770.200(2), was removed from the subject facility as an IRA activity. Concurrent with soil removal, six thousand three hundred (6,300) gallons of petroleum contaminated water was pumped from a eight by ten by six (8 X 10 X 6) foot deep sump excavated in the area of monitoring well MW-5 (please see Figure 1, Site Plan).

The soils were transported to the KLEENSOIL International, Inc., facility at 13838 Harlee Road in Palmetto, Florida, for thermal treatment. The water was pumped into a tanker truck and disposed of at Tim's Oil Recovery (HOWCO) in St. Petersburg, Florida.

An IRA report form with supporting documentation (site plan, copies of laboratory analyses of soil sample disposal profile analyses, summary of headspace analyses utilized to identify "excessively contaminated" soils, copies of transport/disposal manifests) was submitted to FDEP for review, and approved by the Bureau of Waste. Cleanup on August 26, 1993 (please see Attachment 2).



### 3.0 SUPPLEMENTAL CONTAMINATION ASSESSMENT

### 3.1 MONITORING WELL INSTALLATION

Two (2) monitoring wells, MW-4 and MW-5, were destroyed during the IRA event. A third well, MW-3, was damaged and could not be sampled. On June 16, 1994, MW-3, 4 and 5 were replaced with new wells MW-3R, 4R and 5R installed at approximately the same locations.

The wells were installed by National Petroleum Testing Consultants, Inc. (NPTC), of Largo, Florida, using a truck mounted drilling rig equipped with eight (8) inch hollow stem augers. The well installations were initiated by using hand operated post hole diggers to a depth of approximately four (4) feet below grade. This allowed buried utilities to be safely identified. The water table was encountered approximately three (3) feet below grade.

Hollow stem augers were then used to advance borings to a total depth of twelve (12) feet below grade. Monitoring wells consisting of two (2) inch Schedule 40 PVC pipe were installed. Ten (10) foot long screened intervals extend from the well bottoms to two (2) feet below grade. The annulus of each well was filled with clean 20/30 silica sand to a depth of one (1) foot above the screened interval. A six (6) inch layer of bentonite was placed above the sand. The remaining annular volume was filled with neat Portland cement grout. The wells were completed with locking caps and traffic bearing eight (8) inch steel manhole covers. Well

completion diagrams for MW-3R, 4R and 5R are presented in Attachment 3.

### 3.2 SUPPLEMENTAL SOIL ASSESSMENT

Supplemental soil assessment in accordance with FAC 17-770.200(2), was performed in conjunction with the monitoring well installation event. Soil samples were collected from each monitoring well boring at one and one half (1.5) and three (3) feet below grade, and placed in sixteen (16) ounce glass jars, which were then sealed with aluminum foil. Any volatile compounds present in the soil were allowed to "degas" into the headspace of the jar. A Foxboro Century Model 128 Organic Vapor Analyzer (OVA) instrument was then employed to measure the level of hydrocarbon vapor in the headspace of the jar.

The OVA utilized for the headspace analyses was fitted with a charcoal filter. The filter was intended to allow discrimination between suspected petroleum hydrocarbons and naturally occurring methane in the soil vapors. With the filter removed, the FID measured the sum of all hydrocarbons in the soil vapor in parts per million (ppm). With the filter in place, only methane was measured, as petroleum hydrocarbons were removed by the filter.

The level of suspected petroleum hydrocarbons in the soil vapor was obtained by subtracting the filtered reading from the unfiltered reading for each sampling location. The unfiltered, filtered and

total headspace readings obtained from each sampling location are summarized in Table 3.2.

TO TO T T

	hall minutes that			
	• •	•		
SUMMARY O	F SOIL HEADSE	ACE ANALYS	ES	
LIO	danada Doadi	naa (narta	por milli	02)
				•
depth (BGS)	W/O IIIter	w/liller	LOLAL	<u>odor</u>
1 51	٥	_	. 0	none
3.0.	0	-	0	none
1.51	200	200	0	none
				none
5.0	TOO	100	Ũ	inome
1.5'	520	320	200	strong
3.0'	>1000	>1000		strong
Fo	xboro 128 OVA	(FID)		
		• •	6/94	
	•		•	
	000 N.W. Sixth SUMMARY O Hea depth (BGS) 1.5' 3.0' 1.5' 3.0' 1.5' 3.0' Fo:	000 N.W. Sixth Avenue, Crys SUMMARY OF SOIL HEADSP Headspace Reading depth (BGS) w/o filter 1.5' 0 3.0' 0 1.5' 200 3.0' 100 1.5' 520 3.0' >1000 Foxboro 128 OVA	000 N.W. Sixth Avenue, Crystal River, SUMMARY OF SOIL HEADSPACE ANALYS           Headspace Readings (parts           depth (BGS)         w/o filter         w/filter           1.5'         0         -           3.0'         0         -           1.5'         200         200           3.0'         100         100           1.5'         520         320           3.0'         >1000         >1000           1.5'         520         320           3.0'         >1000         >1000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

On the basis of the headspace readings and odors, all of the drill cuttings (soil) from MW-5R were containerized in two (2) 17H-55 DOT drums.

# 3.2.1 DISPOSAL PROFILE ANALYSES

A composite sample was collected from the drums of drill cuttings (soil) from MW-5R, placed in the appropriate sample containers (please see Attachment 4) and transported to the GEOS, Inc., laboratory in Tampa, Florida, for disposal profile analyses by EPA methods 8010, 8020, 9073, and for total metals Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver. The results of these analyses are summarized in Table 3.2.1. The complete

results of the disposal profile analyses are presented in GEOS, Inc., laboratory report #T4-07-083 (please see Attachment 5).

### TABLE 3.2.1 City of Crystal River Maintenance Garage 1000 N.W. Sixth Avenue, Crystal River, Florida SUMMARY OF DISPOSAL PROFILE ANALYSES

	Danie Gamma site
Analyte	<u>Drum Composite</u>
EPA method 8010 Halogenated Volatile Organics, all	<100 ug/kg
EPA method 8020 Methyl-Tert-Butyl-Ether Benzene Toluene Ethylbenzene Xylenes, total	960 ug/kg <100 ug/kg 1,060 ug/kg 1,070 ug/kg 5,600 ug/kg
EPA method 9073 Total Recoverable Hydrocarbons	250 mg/kg
RCRA metals Barium, total Chromium, total	29.5 mg/kg 40 mg/kg

sample collected 07/07/94 GEOS, Inc., Laboratory Report #T4-07-083

### 3.3 SUPPLEMENTAL GROUNDWATER ASSESSMENT

On July 7, 1994, groundwater samples were collected from all site monitoring wells, including the replacement wells. A field cleaned equipment blank was also collected. The groundwater samples and blanks were placed in the appropriate sample containers with preservative (please see Attachment 4) and transported in an iced cooler under Chain of Custody to the GEOS, Inc., laboratory in Tampa, Florida, where they were analyzed for Purgeable Aromatics

(with MTBE) detectable by EPA method 602, and Polynuclear Aromatic Hydrocarbons detectable by EPA method 610. All sampling was performed in accordance with the EE&G approved Comp QAPP 93-0189G.

The results of the groundwater sample analyses are summarized in **Table 3.3.** The complete results of the groundwater sample analyses (GEOS, Inc. Laboratory Report #T4-07-083), along with copies of the field sampling worksheets and Chain of Custody form, are presented in Attachment 5.

1

1

	n an an air Airm go chan bha dhairte an aircead fan fan	and the state of the state of the state of the state of the state of the state of the state of the state of the	and the second second second second second second second second second second second second second second second				
Analyte	<u>MW-1</u>	<u>MW-2</u>	MW-3R	MW-4R	<u>MW-5R</u>	VA-1	
EPA 602 MTBE Benzene Toluene Ethylbenzene Xylenes, total	<5 <1 <1 <1 <1 	<5 <1 <1 <1 <1 	5.4 <1 <1 <1 <1 1	8.0 <1 <1 <1 <1 	3,780 4,160 5,550 1,460 <u>7,200</u>	<5 <1 <1 <1 <1 <1	
Total VOAs	<1	<1	<1	<1	18,370	<1	
EPA 610 Naphthalene 1-Methyl Naphthalene 2-Methyl Naphthalene		<10 <10 <10	<10 <10 <10	<10 <10 <10	430 140 _240	<10 <10 <10	
Total Naphthalenes	`<10	<10	<10	<10	810	<10	
all values in ug/L samples collected 07/07/94 GEOS, Inc., Laboratory Report #T4-07-083							

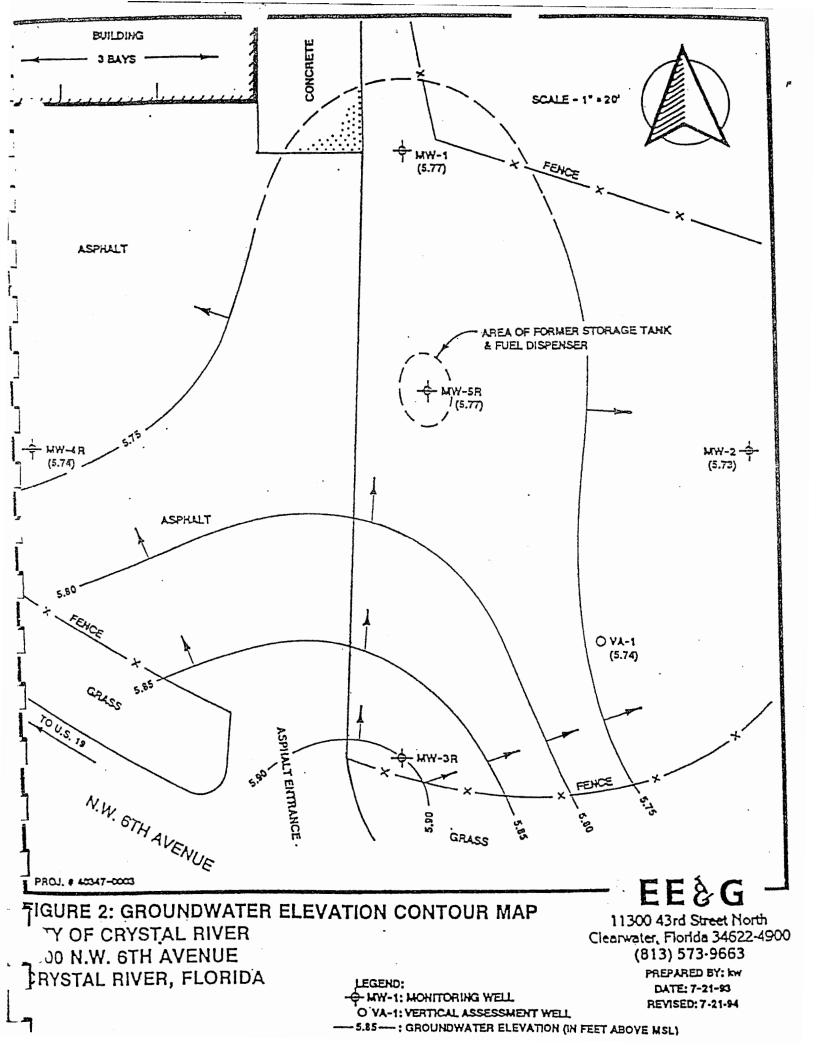
TABLE 3.3 City of Crystal River Maintenance Garage 1000 N.W. Sixth Avenue, Crystal River, FL SUMMARY OF GROUNDWATER ANALYTICAL DATA

### 3.4 GROUNDWATER FLOW DIRECTION

Following installation, replacement wells MW-3R, 4R and 5R were surveyed using a rod and level, and tied into the existing casing elevation survey by backshooting MW-2. Depth to water measurements in all wells were obtained during the July 7, 1994, groundwater sampling event. These data were combined to obtain groundwater elevations in each well (please see Water Table Elevation Calculation Sheet in Attachment 6).

The water table elevations were plotted on the Site Plan and contoured (please see Figure 2, Groundwater Elevation Contour Map). Groundwater appears to flow radially away from a local high in the area of MW-3R. This is very similar to the pattern of groundwater flow depicted in the Groundwater Elevation Contour Map presented in the 1992 CARA submittal.

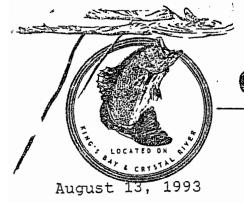
It should be reiterated that tidal influence on groundwater flow at the subject site was shown by data presented in Section 2.5 of the 1992 CARA submittal. Water levels in wells were found to fluctuate by as much as 0.70 feet over a 24-hour period.



### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Methyl-Tert-Butyl-Ether (MTBE), Benzene, total VOAs and total Naphthalenes were found to be present in the samples collected from MW-5R above FAC 17-770.730(5)(a)2 target levels. With the exception of low levels of MTBE detected in samples collected from MW-3R (5.4 ug/L) and MW-4R (8.0 ug/L), no compounds detectable by the analytical methodologies employed were found to be present above detection limits in any of the other groundwater samples analyzed, or in the equipment blank.

EE&G suggests that a short-term groundwater recovery strategy or limited scope Remedial Action Plan (RAP) be formulated for the subject site, pursuant to the FDEP Engineering Support Section September 10, 1993, ESS-9 Guidelines document. Short-term groundwater recovery and treatment would be performed in an effort to achieve No Further Action or Monitoring Only (NFA/MO) criteria.



# **City of Crystal River**

123 North West Highway 19 // Crystal River, Florida 34428 // Telephone (904) 795-4216

Puril 1, 43

Mr. Richard Sosna Fuel Tank Inspector Citrus County Fire Prevention Bureau 1300 South Lecanto Highway Lecanto, FL 32661

RE: Initial Remedial Action Report City of Crystal River-Public Works Facility 1000 Northwest 6th Avenue Crystal River, Florida FDEP Facility I.D. **#09852728** 073578783

Enclosed please find a copy of the completed Initial Remedial Action Report for the above referenced facility. This report is being submitted in an effort to satisfy the requirements of Chapters 17-770.630(1)14; 17-773.500[1](a)4; and 17-773.500[2](a)4 Florida Administrative Code. For clarification on any technical matters relating to the IRA,

For clarification on any technical matters relating to the IRA, please notify:

Enviropact/Evans Environmental, Inc. 11300 43rd Street North Clearwater, FL 34622 Attn: Darrin McAllister - Project Manager

Also, we would appreciate a copy of all correspondences relating to the IRA activities performed on site and the subsequent review and approval process.

Respectfully Submitted:

Russell Kreager

# PETROLEUM CONTAMINATION INITIAL REMEDIAL ACTION REPORT FORM

An Initial Remedial Action report, summarizing the initial remedial action (IRA), should be prepared to satisfy the requirements of Chapters 17-770.630(1)14; 17-773.500(1)(a)4; and 17-773.500(2)(a)4, Florida Administrative Code, (FAC). This form may be used for the IRA report. The report should be sent to the appropriate local program or:

Florida Department of Environmental Regulation Bureau of Waste Cleanup Engineering Support Section 2600 Blair Stone Road Tallahassee, FL 32399-2400

I. FACILITY NAME: <u>City of Crystal River - Public Works Facility</u> Facility Address: <u>1000 northwest 6th Ave., Crystal River, Florida</u> DER Facility Number (if applicable): <u>09852728</u> Date IRA Initiated: 7/6/93 Date IRA Completed: 7/7/93

II. FREE PRODUCT RECOVERY

A. Type(s) of Product Discharged: N/A

### B. Quantity

- 1. Estimated Gallons Lost: N/A
- 2. Gallons Recovered: N/A through N/A (date)
- Attach Exhibit Indicating Amount of Product Recovered, Dates and Cumulative Totals.
- C. Attach a Scaled Site Plan, Indicating the Locations and Product Thickness in Wells, Boreholes, Excavations, or Utility Conduits and Wells Utilized for Recovery of Free Product.
- D. Method of Product Recovery: N/A
- E. Type of Discharge During Product Recovery: <u>N/A</u>

Florida Department of Environmental Regulation

APRIL 1992

F. Type of Treatment, i.e., Oil/Water Separator: N/A

G. Attach Written Proof of Proper Disposal of Recovered Product: N/A

### III. SOIL EXCAVATION

NOTE: Soil shall be defined as excessively contaminated using the procedure stated in Chapter 17-770.200(2), FAC. Representative soil sampling shall be performed as close to the time of excavation as possible, but at no time shall exceed three (3) months prior to the start of excavation. Stockpiled soils greater than thirty (30) days on site waiting for treatment and disposal, must be re-sampled immediately prior to disposal to assure soils are still excessively contaminated.

If soil sampling data indicates that the amount of soil that is excessively contaminated exceeds 1500 cubic yards, treatment of all excessively contaminated soil at the site shall be addressed in a remedial action plan, and no soil IRA activities shall be performed except for the removal of soils in the immediate vicinity of the tanks.

Only soil above the ambient water table at the time of excavation can be considered as excessively contaminated soil.

Unless the established weight per unit volume of 1.4 tons/cubic yard (as referenced in FAC Rule 17-775) is used for the excavated soil, the weight per unit volume must be determined by a field test (in which an accurately measured volume of soil is weighed) at the time of excavation.

- A. Volume of Contaminated Soil Excavated in Cubic Yards: <u>485.5 yd³</u>. Dimensions Including Depth of Excavation(s): Due to the shape of the excavation, a "best fit" circle (with a 37 foot radius) was used to estimate area (area =  $0.7854 \times D^2$ ). Average depth of excavation was three (3) feet below land surface.
- Was three (3) feet below faild sufface. NOTE: Attach written proof from the Department in the form of an Alternate Procedure Approval Order authorizing excavating over 1500 cubic yards if applicable. Authorization must be prior to the excavation of soils.
- B. Type(s) of Product in Soil: Diesel Fuel (vehicular)
  APRIL 1992
  Florida Department of Environmental Regulation

- C. Depth (ft) to Ambient Groundwater at the Time of Excavation(s): 3.5 feet below land surface
- D. Did Dewatering (i.e. groundwater depression) Occur at Time of Excavation?: NO
- E. Type of Instrument and Method Used to Determine Excessive Soil Contamination: Foxboro Century 128 OVA (FID) - headspace analyses as prescribed in FAC 17-770.200(2) - 50 ppm criteria utilized for defining "excessively contaminated" soils.
- F. Attach a table that compares the OVA-FID readings taken with -harcoal filter verses readings without filter. Include vertical depths for each sample.
- G. Using the OVA procedure for defining excessively contaminated soil as referenced in Rule 17-770.200(2), FAC, include a scaled site plan with the information listed play:

1. Location of excavation, old tank farm, dispensers, and product lines, present tank farm, and all soil samples. The corresponding OVA-FID readings for each soil sample (with charcoal filter and without) and its depth must be given.

2. Sampling Procedure is as follows:

Start sampling in a location where it is suspected that excessively contaminated soil exists. Sample from the first soil boring outward in a grid pattern, at five (5) to ten (10) foot intervals, until the perimeter of the excessively contaminated soil plume is defined. Vertical sampling should be performed starting approximately at the initial area of contamination and continued at three (3) foot intervals, or fraction thereof, until a depth approximately one (1) foot above the water table is reached.

- H. Copies of Laboratory Analyses for Pre Treatment Soil Samples as Required in Chapter 17-775.410(3), Table II, FAC Must be Attached.
- I. Were Tanks Replaced at this Site?: NO

# IV. SOIL TREATMENT AND DISPOSAL

- A. Method of Treatment of Excessively Contaminated Soil: Thermal Treatment (Rotary Kiln)
- B. For Off Site Treatment and Disposal at Permitted STTF, Land Farms, or Landfills Attach Documentation From the Treatment Facility Which Confirms the Weight or Volume of Soil Treated and Date Received.

For Other Treatment and Disposal Methods (i.e. On-Site Land Farming, Bioremediation), Attach Post Treatment Laboratory Analyses for Each 250-300 Cubic Yards of Treated Soil in Accordance With Chapter 17-775.400 and the "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils", Edition February 1991 or Most Current Revision.

For Mobile Thermal Treatment Units, Attach Laboratory Analysis per Chapter 17-775(5), FAC.

C. Method of Disposal of Contaminated Soil and Indicate Recipient and Address: <u>KLEENSOIL, International, Inc. 13838 Harlee</u> Road, <u>Palmetto</u>, Florida 34221

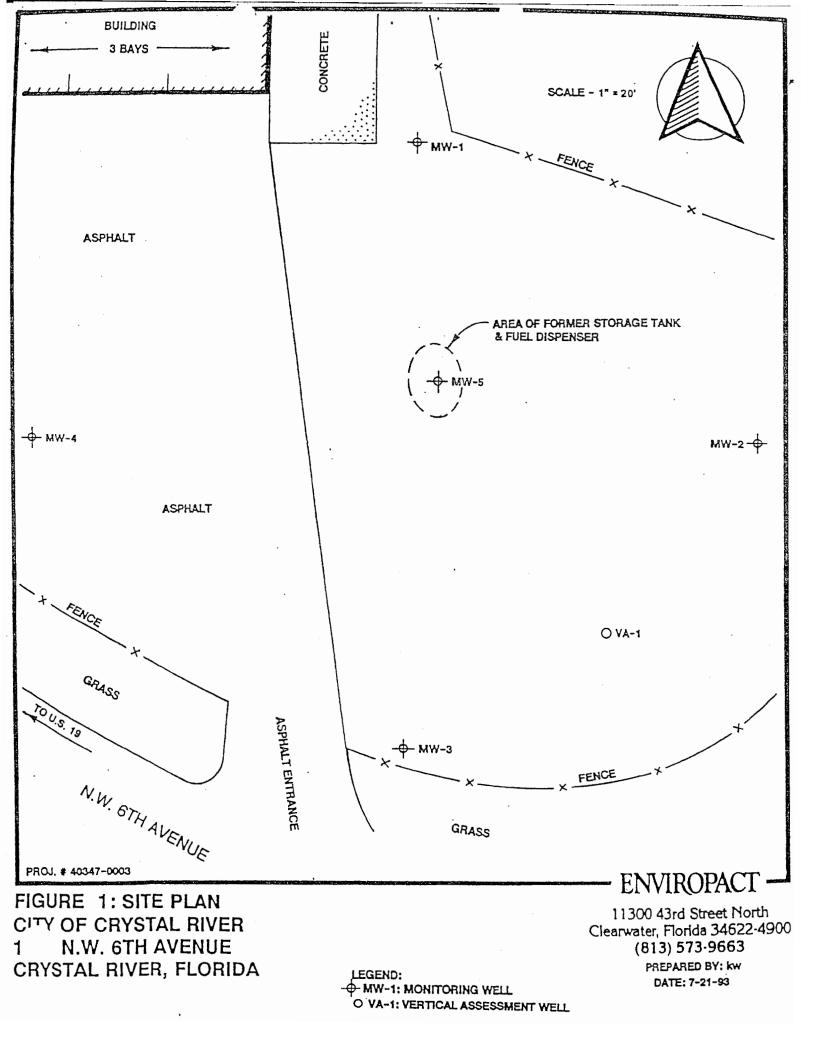
V. ADDITIONAL COMMENTS: Six thousand three hundred (6300) gallons of petroleum contaminated water was pumped from an 8'x10'x6' deep "sump" excavated in the area of monitoring well MW-5. Water was pumped directly into a tanker truck on site and disposed of at Tims Oil Recovery (HOWCO) of St. Petersburg, FL` (Manifest attached)

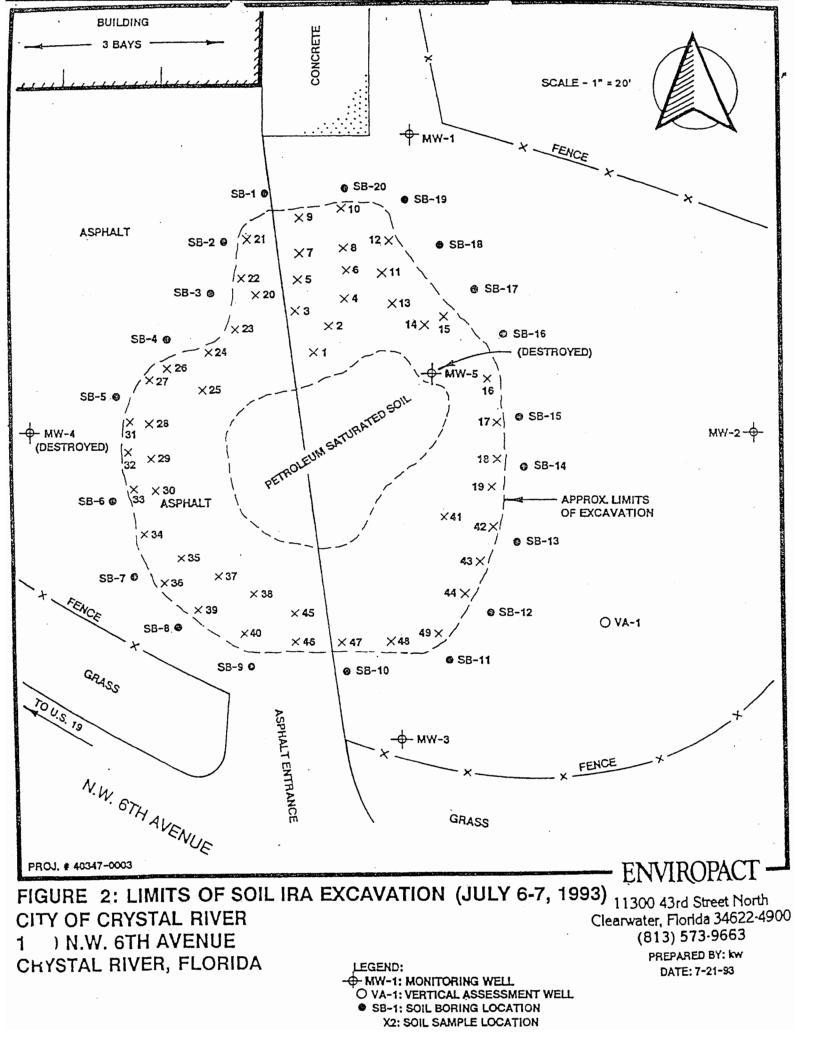
Darrin McAllister Person Completing Form Signature.

93 Project Manager - Enviropact/Evans Environmental Title, Affiliation

Florida Department of Environmental Regulation

APRIL 1992





City of Crystal River - Public Works Facility 1000 Northwest 6th Avenue, Crystal River, FL SUMMARY OF IRA ACTIVITY SOIL HEADSPACE ANALYSES

3

÷ 4

location	depth	w/o filter	<u>w/filter</u>	total	odor
1	1.5'	>1000	100	>900	strong
1 2	1.5'	>1000	0	>1000	strong
3	1.5'	850	200	650	strong
4	1.5'	>1000	0	>1000	strong
5	1.5'	600	0	600	strong
6	1.5'	>1000	200	>800	strong
7	1.5'	200	120	80	strong
8	1.5'	120	40	80	strong
9	1.5'	35	10	25	none
10	1.5'	. 40	0	40	slight
11	1.5'	60	0	60	slight
12	1.5'	20	0	20	none
13	1.5'	800	200	600	strong
14	1.5'	350	20	330	strong
15	1.5'	10	0	10	none
16	1.5'	0	0	0	none
17	1.5'	10	0	10	none
18	1.5'	0	0	0	none
19	1.5'	30	0	30	slight
20	1.5'	130	40	90	moderate
21	1.5'	20	10	10	none
22	1.5'	0	0	0	none
23	1.5'	25	10	15	none
24	1.5'	10	0	10	none
25	1.5'	70	0	70	slight
26	1.5'	100	20	80	moderate
27	1.5'	30	0	30	none
28	1.5'	100	0	100	slight
29	1.5'	250	100	150	strong
30	1.5'	320	150	170	strong
31	1.5'	10	0	10	none
32	1.5'	30	0	30	none
33	1.5'	10	10	0	none
34	1.5'	. 120	100	20	none
35	1.5'	400	220	180	strong
36	1.5'	100	80	20	none
37	1.5'	250	100	150	strong
38	1.5'	420	200	220	strong
39	1.5'	. 0	0	0	none
	all read	lings in parts		(ppm) .	

(continued)

City of Crystal River - Public Works Facility 1000 Northwest 6th Avenue, Crystal River, FL SUMMARY OF IRA ACTIVITY SOIL HEADSPACE ANALYSES (continued- page 2)

location	depth	<u>w/o filter</u>	<u>w/filter</u>	total	odor
40 41 42 43 44 45 46 47 48 49	1.5' 1.5' 1.5' 1.5' 1.5' 1.5' 1.5' 1.5'	100 220 0 20 100 0 0 0 0	60 80 0 0 20 0 0 0 0 0	40 140 0 20 80 0 0 0 0	none strong none none slight none none none none
SB-1	1' 2'	>1000 >1000	>1000 >1000	0	none none
SB-2	1' 2'	800 850	800 850	0 0	none none
SB-3	1' 2'	80 100	80 100	0 0	none none
SB-4	1' 2'	0 0	0 0	0 0	none none
SB-5	1' 2'	0 0	0	0 0	none none
SB-6	1' 2'	0 0	0 0	0	none none
SB-7	1' 2'	0 0	0 0	0 0	none none
SB-8	1 ' 2 '	· 0 180	0 180	0 0	none none
SB-9	1' 2'	0	0 0	0 0	none none
	all read	lings in parts (contin	per million ued)	(ppm)	

SUMMARY OF IRA ACTIVITY SOIL HEADSPACE ANALYSES (continued- page 3)								
location	depth	<u>w/o filter</u>	w/filter	<u>total</u>	odor			
SB-10	1'	60	60	0	none			
	2'	120	120	0	none			
SB-11	1'	0	0	0	none			
	2'	20	20	0	none			
SB-12	1'	0	0	0	none			
	2'	600	600	0	none			
SB-13	1'	0	0	0	none			
	2'	10	10	0	none			
SB-14	1'	0	0	0	none			
	2'	20	20	0	none			
SB-15	1'	0	0	0	none			
	2'	0	0	0	none			
SB-16	1 '	0	0	0	none			
	2 '	0	0	0	none			
SB-17	1' 2'	0 0	0	0 0	none none			
SB-18	1' 2'	0 0	0	0 0	none none			
SB-19	1 ' 2 '	0	0 0	0 0	none none			
SB-20	1'	0	0	0	none			
	2'	0	0	- 0	none			
	all readings in parts per million (ppm) Foxboro Century 128 OVA (FID) all analyses performed on site 7/6-7/93							

# City of Crystal River - Public Works Facility 1000 Northwest 6th Avenue, Crystal River, FL SUMMARY OF IRA ACTIVITY SOIL HEADSPACE ANALYSES (continued- page 3)

i



# City of Crystal River

123 North West Highway 19 // Crystal River, Florida 32629 // Telephone (904) 795-4216

# SPECIFICATIONS

REMOVAL OF CONTAMINATED SOIL

BID #92-14

JOHN LETTOW, DIRECTOR

FACILITY MAINTENANCE CITY HALL 668 N.W. FIRST AVENUE CRYSTAL RIVER, FL 34428 DIU

BID #92-14

SITE:

Public Works Facility, D.E.R. I.D. #09852728, located at 1000 N.W. Sixth Avenue, Crystal River, Florida. Attachment #1 includes maps which indicate the extent of plume and explains groundwater elevation which is tidally influenced.

REGULATIONS:

The Contractor shall provide a copy of their Department of Environmental Regulations approved license along with a copy of insurance and a list of other cities to which work was provided.

/ The Contractor shall follow all requirements set by F.A.C. Chapter 17-770 and 17-775.

SCOPE OF WORK:

Contractor to provide all equipment for the removal, treatment and backfill of approximately 800 tons of contaminated soil at the subject facility.

Prior to the initiation of backfilling activities, the Contractor shall pump standing water from the excavation. No backfilling may occur before the completion of pumping activities.

Contractor shall remediate the soil via thermal treatment (incineration) as specified in the F.A.C. Chapter 17-775. The stationary or mobil thermal treatment unit to be used must be disclosed to the City before any work begins, and must be permitted in accordance with F.A.C. Chapter 17-775.300.

Contractor shall provide documentation that any waste hauler used is approved and licensed by the Department of Environmental Regulation.

Soil shall be treated to meet or exceed the clean soil standards set forth in F.A.c. Chapter 17-775.400. Treatment certificates and clean soil analytical. Results shall be provided to the City before final payment is made.

Thermally treated soils native to the subject site and meeting clean soil standards may be used as backfill. If imported soil is to be used at the subject site as backfill, such soil shall be tested according to F.A.C. Chapter 17-775.410. The City reserves the right to reject the use of any soil based on said analytical data.

All soil used in the backfilling process shall be compacted to a minimum of 90% relative compaction.

An Environmental Consultant will be on site during all work to provide oversight and inspection on behalf of the City of Crystal River.

Attachment #2 contains preburn analytical results for the subject site.

### PERFORMANCE BOND:

A Performance Bond will be required for the total amount of the project or provide an irrevocable letter of credit or cash from a bank.

# BID PROPOSAL

Fee per ton for initial 800 tons including required laboratory analysis mobilization fees, permitting fees, etc. ______per ton

_per ton

Cost per ton for treatment of additional _____

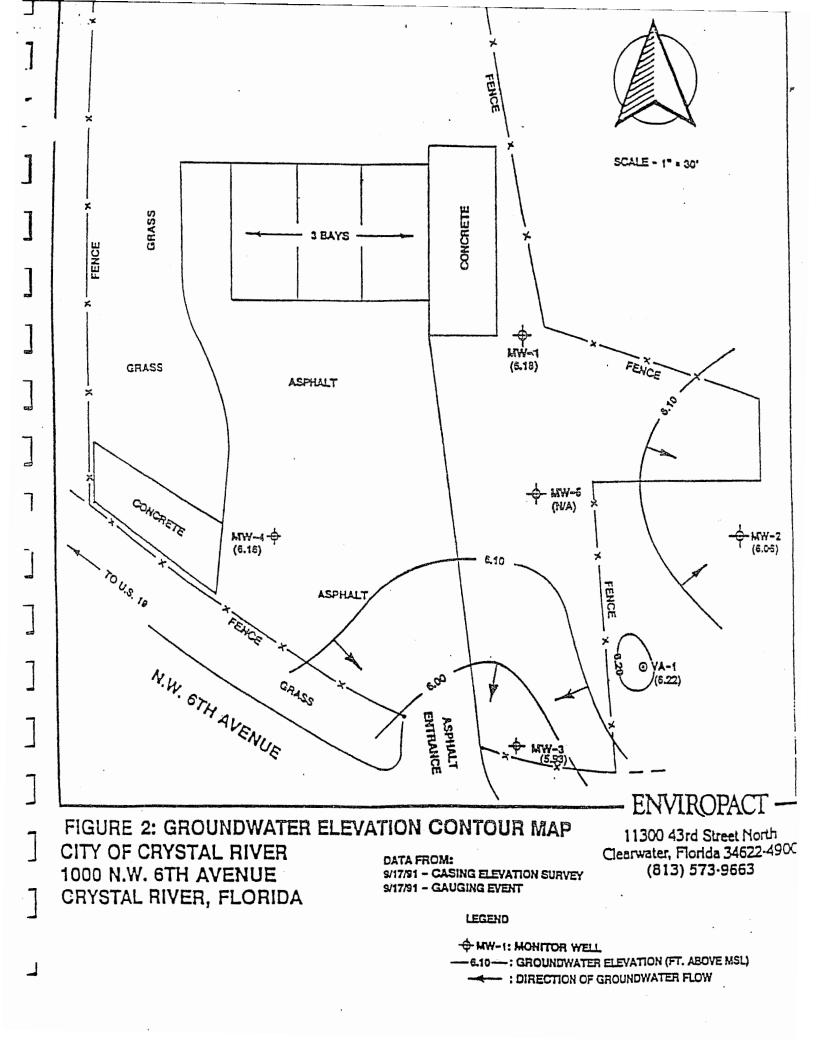
 Cost for excavation backfilling and compaction based on 800 yard excavation ______per ton

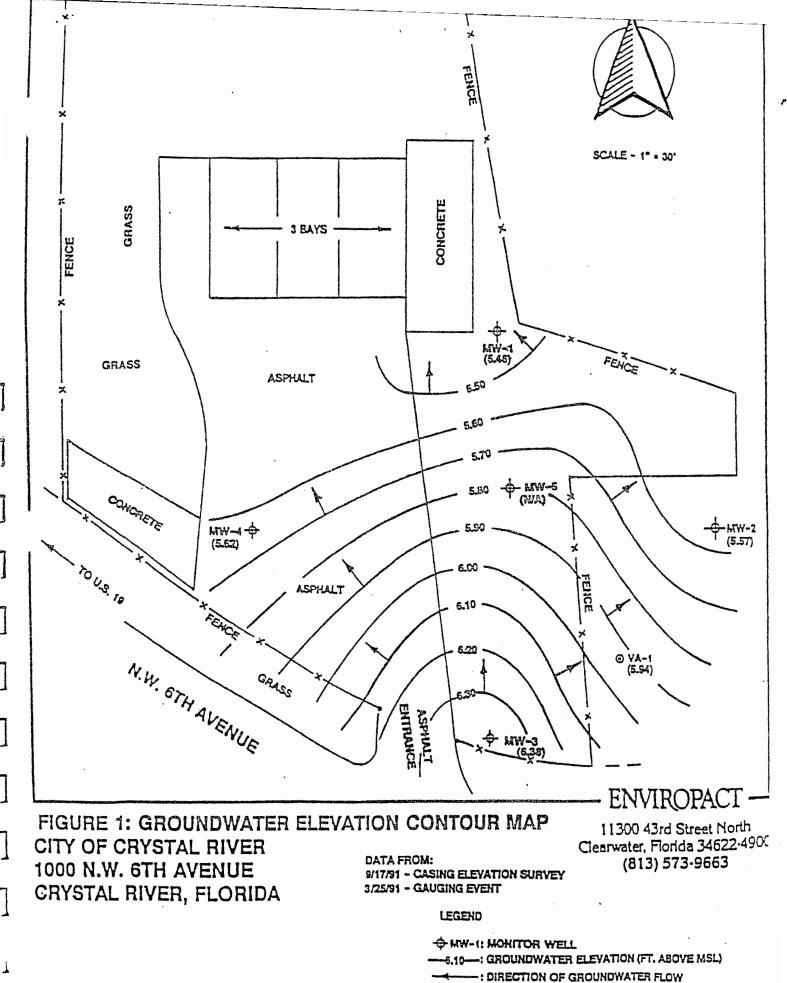
### TOTAL COST \$_

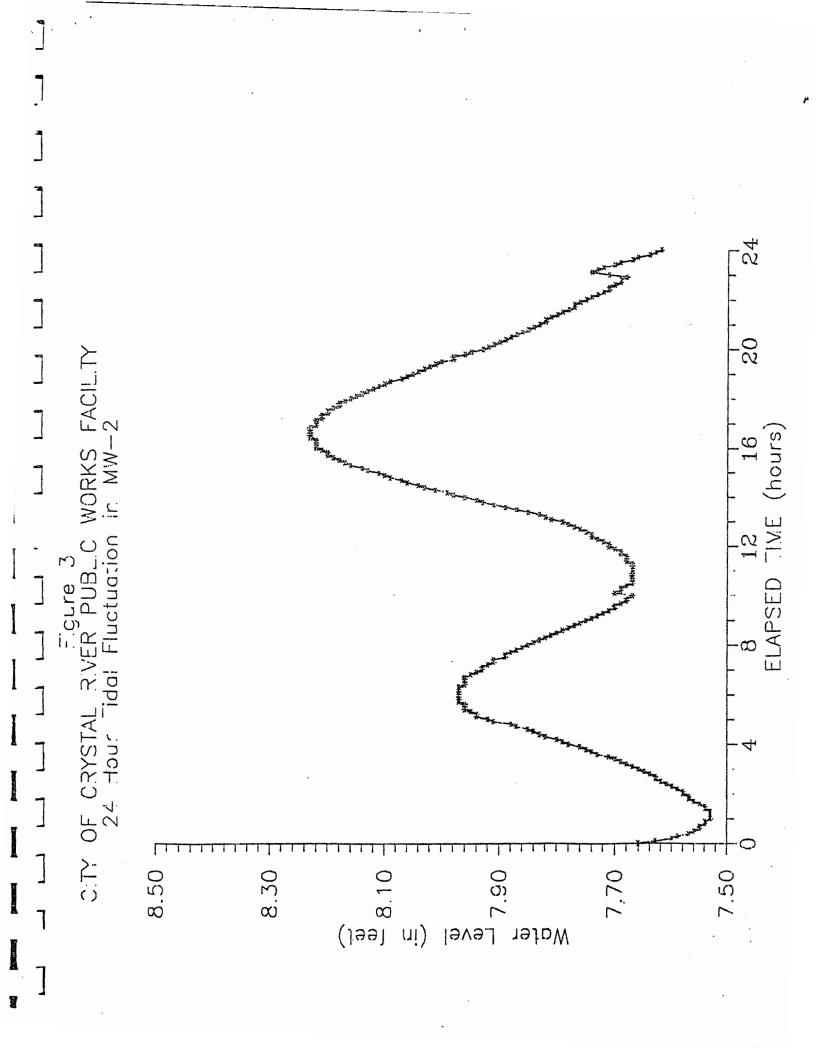
Miscellaneous fees (such as disposal of contaminated water and costs for equipment and labor).

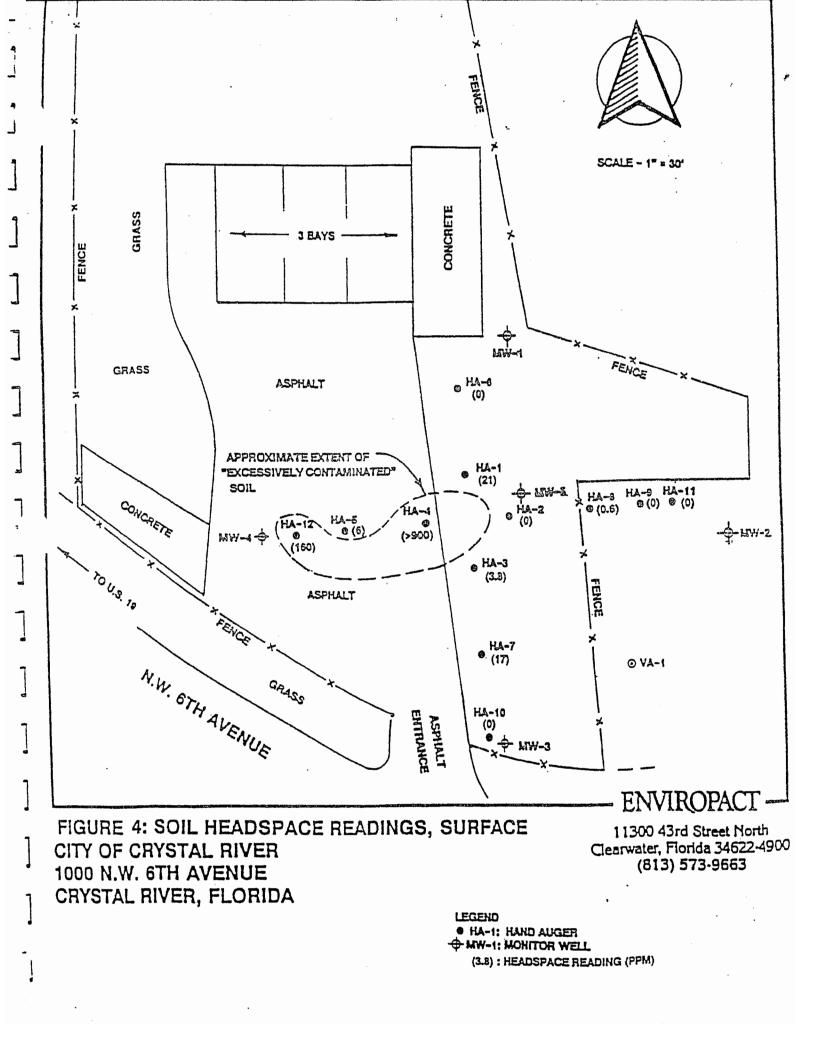
Copies of the Contamination Assessment Report and Contamination Assessment Report Addendum may be viewed by appointment at the City of Crystal River City Hall, 668 N.W. 1st Avenue, Crystal River, FL 34428.

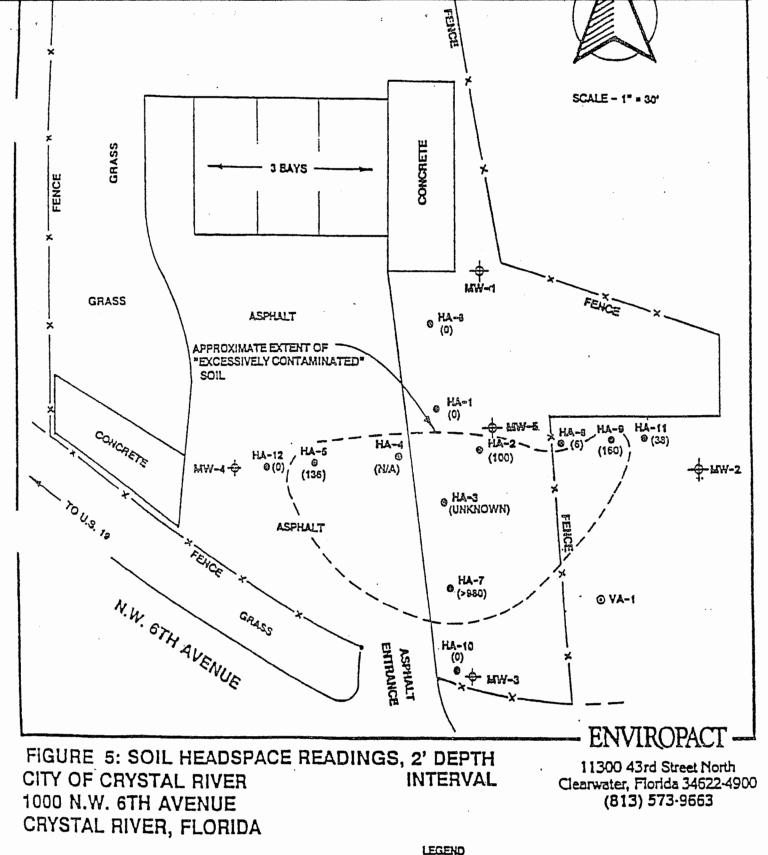
Any questions regarding these bid specifications, call John Lettow at 904-795-4216.







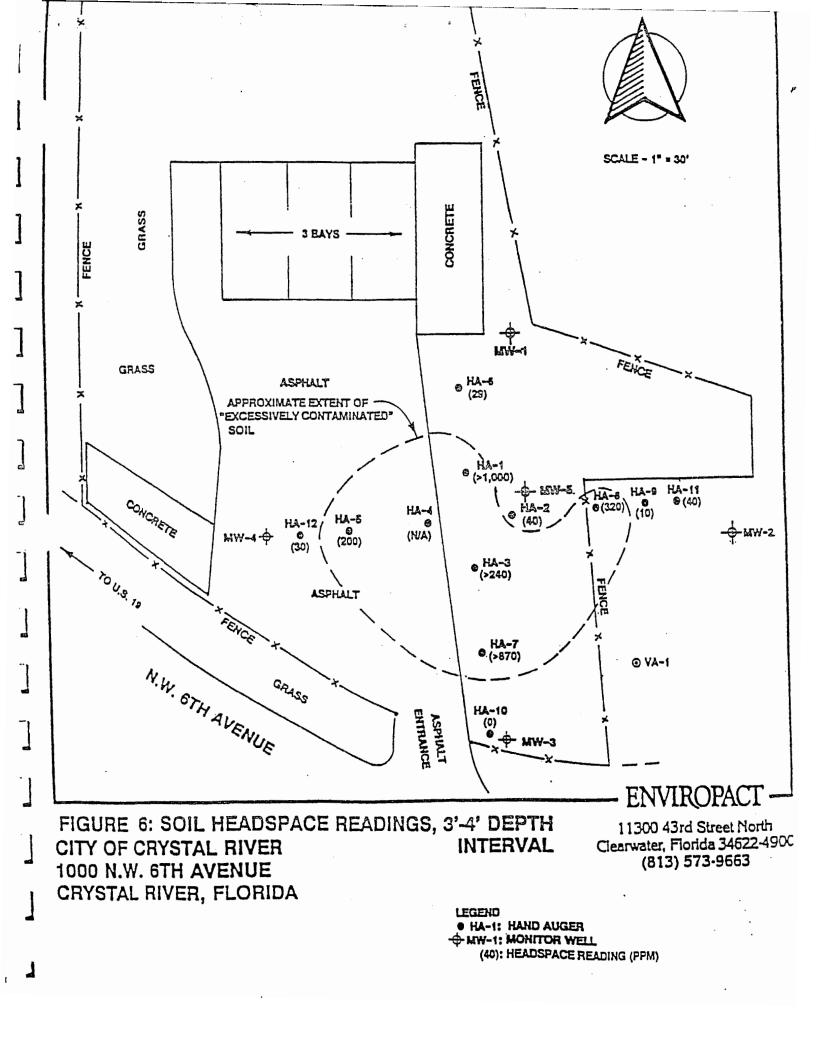




]

]

. HA-1: HAND AUGER + MW-1: MONITOR WELL (38) : HEADSPACE READING (PPM)



Contraction of the second	VIRONALEMENT PROVINCE CORROR CORROR CORROR	Pollu	partment of tant Sto	ate of Floric Environmer Drage T Dn Rep	ital Regulation	stem		
Facility ID No	0.98	578738			-	Count	y: CITR	ل ا
Ecolity Name	· CITY	NE CREWS.	TAL PIJER EJAVE C	PUBLIC W	DINSA FL	27629		
Operator:	PUBLIC	WORKS	·····	······		Phone	e: <u>795</u> -42	
	· 54'25'		e X2° 36	17 . Sect	tion		Rang	
Lamude Q								
Tank #	Size	Contents	Installation Date	U/A or In-Contact	Tank Construction	Integral Piping	Monitoring System	Tank Status
	4000	J	5/29	U	C	R	- Yester	
.2	4030	J	5/74	U	C	ß	Y	C.
· .		•						
(2) 3) Cu 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N	CUNTAN NTAMIN STRUCTI RE / N NURO ESSMEN ANKS I RA W	NATION INTED JO ONS. FUR STAULES PACT J. R. E. J.J. A.J.E	NAST NDT	RETUR NECK GA WRITIN BEEN POCT	N SOIL NED TO E LATER LOUND IN NG UP C REPLA	ET G ROSUN EXCHVATIO SAMPLA PTER CONTAMI	PER C DRRC MONITO	DEP
	aint Response Well Field	Install Tank I Tank I Unreg	Removal		Abandoned Aboveground GovtFederal GovtOther Program:		Non-retail Retail Retrofit (M. o Retrofit (L. or	<b>R.)</b>
Violations m	Richer	•	ル <u>3/シネ/</u> Date t routine inspe		Jell het		ignature & Dat	

. INSPECTION FORM - US% Compliance Section

Yes I Ma West 1 AVX

N/A

......

منس

1.

ست:

22

.

• :

REGISTRATION/NOTIFICATION:       1         1. Facility has registered all applicable tanks on site 17-761.400       1.         2. Current registration placard is properly displayed 17-761.410(6)       2.         Proper, notification has been made for the following, 17-761.450:       3.         3. Abandonment and closure (30 days prior) (1)(a)       3.         4. Change of ownership (30 days after) (1)(b)       4.         5. Retrofitting, replacement or installation (10 days prior) (1)(c)       5.         6. Change of facility status (e.g. substances stored) (1)(e)       7.         7. Change of facility status (e.g. substances stored) (1)(e)       7.         8. Change of method of financial responsibility (within 30 days) (3)       8.         11. RECORD KEEPING:       10.         9. Demonstration of financial responsibility 17-761.480 and 710(j)       9.         9. Demonstration of financial responsibility 17-761.480 and 710(j)       9.         10. Measurements and reconciliations of inventory (a)       10.         11. Results, from checks of release detection systems every 30 days (b)       11.         12. All records including dates of upgrading or replacement of existing storage tank systems (c)       12.         13. Results of financiae of erepairs (g)       15.       15.         14. Results of tightness tests of entire system       14.       15. <t< th=""><th></th><th></th><th>Unk</th></t<>			Unk
<ul> <li>2. Current registration placard is properly displayed 17-761.410(6)</li> <li>2. Proper notification has been made for the following, 17-761.450:</li> <li>3. Abandonment, and closure (30 days prior) (1)(a)</li> <li>4. Change of ownership (30 days after) (1)(b)</li> <li>5. Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>6. Change of tank status (in service/out of service) (1)(d)</li> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8. Records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of nelease detection systems every 30 days (b)</li> <li>11. Results, from checks of release detection systems every 30 days (b)</li> <li>12. All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>13. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>14. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>17. Performance claims of release detection systems 17-761.600(1)(c)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>		1.4	
<ul> <li>2. Current, registration placard is properly displayed 17-761.410(6)</li> <li>2. Proper notification has been made for the following, 17-761.450: <ul> <li>3. Abandonment, and closure (30 days prior) (1)(a)</li> <li>4. Change of ownership (30 days after) (1)(b)</li> <li>5. Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>6. Change of tank status (in service/out of service) (1)(d)</li> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>8. Change, of method of financial responsibility (within 30 days) (3)</li> <li>8.</li> </ul> <b>I.</b> <u>RFCORD KHEPING:</u> The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1) 9. Demonstration of financial responsibility 17-761.480 and 710(j) 9. Demonstration of financial responsibility 17-761.480 and 710(j) 9. Lass from checks of release detection systems every 30 days (b) 11. Results, from checks of release detection systems every 30 days (b) 12. All records including dates of upgrading or replacement of existing storage tank systems (c) 13. Results of tightness tests of entire system 14. 15. Description and dates of repairs (g) 16. Closure assessment reports if continuing as a facility (h) 17. Performance claims of release detection equipment 17-761.600(1)(c) 18. Records of maintenance of cathodic protection systems 17-761.730 18.</li></ul>		1.4	
Proper notification has been made for the following, 17-761.450:3.Abandonment and closure (30 days prior) (1)(a)4.Change of ownership (30 days after) (1)(b)5.Retrofitting, replacement or installation (10 days prior) (1)(c)6.Change of facility status (in service/out of service) (1)(d)7.Change of facility status (e.g. substances stored) (1)(e)8.Change of method of financial responsibility (within 30 days) (3)8.Change of method of financial responsibility (within 30 days) (3)9.Demonstration of financial responsibility 17-761.480 and 710(j)9.Demonstration of financial responsibility 17-761.600 and 710(j)10.Results from checks of release detection systems every 30 days (b)11.Results from checks of release detection systems (d)13.Results of tightness tests of entire system14.Results of tightness tests of entire system15.Description and dates of repairs (g)16.Closure assessment reports if continuing as a facility (h)17.Performance claims of releas		1.4	
<ul> <li>Abandonment and closure (30 days prior) (1)(a)</li> <li>A. Change of ownership (30 days after) (1)(b)</li> <li>Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>Change of tank status (in service/out of service) (1)(d)</li> <li>Change of facility status (e.g. substances stored) (1)(e)</li> <li>Change of method of financial responsibility (within 30 days) (3)</li> <li>RECORD KEEPING:</li> <li>The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>Measurements and reconciliations of inventory (a)</li> <li>Measurements and reconciliations of inventory (a)</li> <li>Results from checks of release detection systems every 30 days (b)</li> <li>Results of maintenance examination of storage tank systems (d)</li> <li>Results of tightness tests of entire system</li> <li>Closure assessment reports if continuing as a facility (h)</li> <li>Closure assessment reports if continuing as a facility (h)</li> <li>Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>Records of maintenance of cathodic protection systems 17-761.730'</li> </ul>		1.4	
<ul> <li>Abandonment and closure (30 days prior) (1)(a)</li> <li>Abandonment and closure (30 days prior) (1)(a)</li> <li>Change of ownership (30 days after) (1)(b)</li> <li>Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>Change of tank status (in service/out of service) (1)(d)</li> <li>Change of facility status (e.g. substances stored) (1)(e)</li> <li>Change of method of financial responsibility (within 30 days) (3)</li> <li>Change of method of financial responsibility (within 30 days) (3)</li> <li>RetCORO KTEPING:</li> <li>The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>Measurements and reconciliations of inventory (a)</li> <li>Measurements and reconciliations of inventory (a)</li> <li>Results from checks of release detection systems every 30 days (b)</li> <li>Results of maintenance examination of storage tank systems (d)</li> <li>Results of tightness tests of entire system</li> <li>Closure assessment reports if continuing as a facility (h)</li> <li>Closure assessment reports if continuing as a facility (h)</li> <li>Records of maintenance of cathodic protection systems 17-761.730'</li> </ul>		1.4	
<ul> <li>4. Change of ownership (30 days after) (1)(b)</li> <li>5. Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>6. Change of tank status (in service/out of service) (1)(d)</li> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8. RECORD KEEPING:</li> <li>The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>12. All records including dates of entire system</li> <li>14. Results of maintenance examination of storage tank systems (d)</li> <li>13. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection systems 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>		1.4	
<ul> <li>4. Change of ownership (30 days after) (1)(b)</li> <li>5. Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>6. Change of tank status (in service/out of service) (1)(d)</li> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8. RECORD KEEPING:</li> <li>The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>12. All records including dates of entire system</li> <li>14. Results of maintenance examination of storage tank systems (d)</li> <li>13. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of repairs (g)</li> <li>15. Closure assessment reports if continuing as a facility (h)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection systems 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>		1.4	1
<ul> <li>5. Retrofitting, replacement or installation (10 days prior) (1)(c)</li> <li>6. Change of tank status (in service/out of service) (1)(d)</li> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8.</li> <li>RECORD KEEPING:</li> <li>The following records were maintained for two (2) years and were available for</li> <li>inspection within five (5) working days; 17-761.710(1)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>14. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of repairs (g)</li> <li>15. Closure assessment reports if continuing as a facility (h)</li> <li>16. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>17. Records of maintenance of cathodic protection systems 17-761.730'</li> </ul>		- 1	1.22.23
<ul> <li>6. Change of tank status (in service/out of service) (1)(d)</li> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8.</li> <li>RECORD KEEPING:</li> <li>The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Leasults from checks of release detection systems every 30 days (b)</li> <li>11. Results from checks of release detection systems every 30 days (b)</li> <li>12. All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>13. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of repairs (g)</li> <li>15. Closure assessment reports if continuing as a facility (h)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection systems 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>17. Records of maintenance of cathodic protection systems 17-761.730'</li> </ul>			
<ul> <li>7. Change of facility status (e.g. substances stored) (1)(e)</li> <li>7. 8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8. RECORD KEEPING:</li> <li>The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)</li> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>9. Description and reconciliations of inventory (a)</li> <li>10. 10. 11. Results of tightness tests of entire system</li> <li>14. 15. Description and dates of repairs (g)</li> <li>15. Closure assessment reports if continuing as a facility (h)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>17. 18. Records of maintenance of cathodic protection systems 17-761.730"</li> </ul>	<u> </u>		1
<ul> <li>8. Change of method of financial responsibility (within 30 days) (3)</li> <li>8.</li> <li><u>RECORO KEEPING:</u> The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1) 9. Demonstration of financial responsibility 17-761.480 and 710(j) 10. Measurements and reconciliations of replace detection systems 17-761.600(1)(c) and .710(j) - (i) 17. Records of maintenance of cathodic protection systems 17-761.730 18.</li></ul>	3 30 34 6	177	
<ul> <li><u>RECORD KEEPING:</u> The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17–761.710(1)</li> <li>9 Demonstration of financial responsibility 17–761.480 and 710(j)</li> <li>9. Measurements and reconciliations of inventory (a)</li> <li>10. Measurements and reconciliations of inventory (a)</li> <li>11. Results from checks of release detection systems every 30 days (b)</li> <li>12. All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>14. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17–761.600(1)(c) and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17–761.730'</li> </ul>			1993
The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)          9.       Demonstration of financial responsibility 17-761.480 and 710(j)       9.         10.       Measurements and reconciliations of inventory (a)       10.         11.       Results from checks of release detection systems every 30 days (b)       11.         12.       All records including dates of upgrading or replacement of existing storage tank systems (c)       12.         13.       Results of maintenance examination of storage tank systems (d)       13.         14.       Results of tightness tests of entire system       14.         15.       Description and dates of repairs (g)       15.         16.       Closure assessment reports if continuing as a facility (h)       16.         17.       Performance claims of release detection equipment 17-761.600(1)(c)       17.         18.       Records of maintenance of cathodic protection systems 17-761.730'       18.		1.5.6	1836
The following records were maintained for two (2) years and were available for inspection within five (5) working days; 17-761.710(1)          9.       Demonstration of financial responsibility 17-761.480 and 710(j)       9.         10.       Measurements and reconciliations of inventory (a)       10.         11.       Results from checks of release detection systems every 30 days (b)       11.         12.       All records including dates of upgrading or replacement of existing storage tank systems (c)       12.         13.       Results of maintenance examination of storage tank systems (d)       13.         14.       Results of tightness tests of entire system       14.         15.       Description and dates of repairs (g)       15.         16.       Closure assessment reports if continuing as a facility (h)       16.         17.       Performance claims of release detection equipment 17-761.600(1)(c)       17.         18.       Records of maintenance of cathodic protection systems 17-761.730'       18.			
<pre>inspection-within five (5) working days; 17-761.710(1) 9. Demonstration of financial responsibility 17-761.480 and 710(j) 9. 10. Measurements and reconciliations of inventory (a) 10. 11. Results from checks of release detection systems every 30 days (b) 11. 12. All records including dates of upgrading or replacement of existing storage tank systems (c) 12. 13. Results of maintenance examination of storage tank systems (d) 13. 14. Results of tightness tests of entire system 14. 15. Description and dates of repairs (g) 15. 16. Closure assessment reports if continuing as a facility (h) 17. Performance claims of release detection equipment 17-761.600(1)(c) 17. 18. Records of maintenance of cathodic protection systems 17-761.730' 18.</pre>	13.0	1537	
<ul> <li>9. Demonstration of financial responsibility 17-761.480 and 710(j)</li> <li>10. Measurements and reconciliations of inventory (a)</li> <li>11. Results from checks of release detection systems every 30 days (b)</li> <li>12. All records including dates of upgrading or replacement of existing</li> <li>storage tank systems (c)</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730'</li> </ul>	1		1.83
<ul> <li>10. Measurements and reconciliations of inventory (a)</li> <li>11. Results from checks of release detection systems every 30 days (b)</li> <li>12. All records including dates of upgrading or replacement of existing</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>	្រះវ	有國語	j 🖉
<ul> <li>10. Measurements and reconciliations of inventory (a)</li> <li>11. Results from checks of release detection systems every 30 days (b)</li> <li>12. All records including dates of upgrading or replacement of existing</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>			122
<ol> <li>Results from checks of release detection systems every 30 days (b)</li> <li>All records including dates of upgrading or replacement of existing storage tank systems (c)</li> <li>Results of maintenance examination of storage tank systems (d)</li> <li>Results of tightness tests of entire system</li> <li>Description and dates of repairs (g)</li> <li>Closure assessment reports if continuing as a facility (h)</li> <li>Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>Records of maintenance of cathodic protection systems 17-761.730</li> </ol>	1		Sec.
<ul> <li>storage tank systems (c)</li> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>13. 14. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>	1	<u> </u>	1400
<ul> <li>13. Results of maintenance examination of storage tank systems (d)</li> <li>13. Results of tightness tests of entire system</li> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>	1.14	1 -	12
<ul> <li>14. Results of tightness tests of entire system</li> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>	1	_	_
<ul> <li>15. Description and dates of repairs (g)</li> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>	ا	-!	-
<ul> <li>16. Closure assessment reports if continuing as a facility (h)</li> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>	I	_	
<ul> <li>17. Performance claims of release detection equipment 17-761.600(1)(c)</li> <li>and .710(j) - (i)</li> <li>18. Records of maintenance of cathodic protection systems 17-761.730</li> </ul>		-	-[
and .710(j) - (i) 18. Records of maintenance of cathodic protection systems 17-761.730		_	-!
18. Records of maintenance of cathodic protection systems 17-761.730	1		
	·		-
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	<u> </u>	-	
			-
. REPORTING/DISCHARGE RESPONSE:			
20 Tank System tightness Test Failure within 10 days 17-761,460(1)			-
21. Suspected or Confirmed Discharge within one day 17-761.460(3) 22. System component repaired to prevent further discharge 17-761.700(1)-(6) 22			-
1. "你是我们就是你们的,你们们的你们,你们们的你们,你们们的你们,你们们的你们,你们们的你们,你们不是你的?""你们,你们们们不是你们的,你们都能能能。"			-
INVENTORY REQUIREMENTS: The following information was recorded in inventory records on a ''			
minimum of a veekly basis; 17-761.720(1)			
minimum of de decula nosist it minimum (de decula de decula de decula de decula de decula de de de de de de de	نيەت سى ا		
24. The type of vehicular fuel(1)(a) 24		يونية المرو ا	يحجوه إج
25. Physical inventory performed(1)(b) 25	•		
26. Inputs and outputs of vehicular fuel(1)(c) 26	•		
27. Amount of water in the tank(1)(d) 27			
28. Average of losses/gains provided for a significant loss gain	i		- <b>i</b>
determination: 17-761(2) 28		_	
29. Performed significant loss/gain investigation and follow up			
with precision testing if applicable 17-761(2) 29		_i	
			3 A.
	• 1		1
		2/13	100



		•		
PERFORMANCE STANDARDS/R	EPAIRS/CATHODIC_PROTECTION		Н	
				es No Unk N/A
A. Storage tank crite	ria blo stance took stondords (1)		· · · · · · · · · · · · · · · · · · ·	TRO L NO MAR LINE
	ble storage tank standards (1) siting requirements (4)		31.	
	with spill containment (5)(b)			
33. Tank equipped	with overfill protection (5)(b)			
	ction upgrading schedule 17-761.510		34	
B. Piping criteria 17	s secondary containment (2)		35.	
	e upgraded with properly installed	and maintained liners		
37. Meets constru	ction upgrading schedule 17-761.510		36.	
	tank systems 17-761.700			
	ent properly repaired (1) & (2) & ( ting of the repaired component prio		38.	
	back into service (6)		39.	
	n/Certified Contractors/Tightness T	Testing		
the second second second second second second second second second second second second second second second se	ection system for tank and piping p	provides .	40.  _	
	otection 17-761.730(1)-(4) stractors were utilized for all stor	rana tank		
	allations or renewals 17-761.740(8)	-	41.	
42. Test performe	d by a registered tester with D.P.R		.42.	
。 [1] 《中華語》的「新華語語書書」(1] 《中華語書》 [1] 《中華語書》(1] 《中華語書》(1] 《中華語書》(1] 《中華語書》(1] 《中華語書》(1] 《中華語書》(1] 《中華語書》(1] 《中華語書				
I. LEAK DETECTION/MONITOR	<u>WELLS</u>			Martine and series and the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the series of the ser
43. Approved leak	detection system 17-761.600 & .610	8.620 57 mpl 15 WE	43. 1-	
	ells properly designed, constructed		(1) 44.	
	on wells properly designed, constru	ucted and		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec
	-761.640(2)	17 761 640/21		
	monitoring able to detect a release dequate line leak detection 17-761.6		45.  _ 47.	
	nk gauging systems capable of		Ī	den maren arten gallar anna dan arten arten
detecting 0.2	2 gal/hr. leak 17-761.640(6)			<u>  </u>
ITT VADIANCE				
/II: VARIANCE				
49. Facility appl	lied for Alternate Procedure (Explai	in in comment)	49.	
				17 (2017) 18 - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl - A Common Carl -
VIII OUT-OF-SERVICE STATUS				
50. Corrosion pro	otection devices properly maintained	d	50. 1	
	other ancillary equipment properly		Ī	
secured and n		1	51.  _	
52. Is the leak of	detection maintained for out-of serv	vice requirement	52.	
		•		
•				12/13/90
			26 58	
	•	î ·		
		•	÷.	
· · · · ·		· · · ·	1	
•				a sa a sa a sa ba sa a sa a sa a sa a s
			•.	11142 124 124
te est est	·.			

2/52/91 ...DATE_ DFR Facility # 199518728 Facility Name CITYOR CRIJAN RIVAN PUBLIC W. ELL Facility Address 1000 N.W. 6 CM AVE. CMSTML DIVER EL. 32629 LETTON Contact Person/Telephone_ JUHN Latitude_____ Longitude_ . . . For the items below that may indicate non-compliance or gross negligence, please explain in detail and prov supporting documentation. YES NO UNKNOWN I. Compliance with Chapter 376.3072, Florida Statutes and Chapter 17-769. F.A.C. 1_1 1. Was any contamination discovered prior to January 1, 1989? If yes, explain. 1_1 K 2. Petroleum Liability Insurance Program Affidavit form completed? If yes, give a notarized.___ 3. Is the site insured by FPLIPA? If not, supply the carrier insured with, or otl type of financial responsibility mechanism used. 1....1 Restoration Coverage Notice of Eligibility issued? If yes, give effective dat-5. Has sile access ever been denied?_ -1XI 6. Has a Storage Tank Program compliance inspection ever been performed for this facility? If yes, give the date of the most recent inspection and supply a co 5/22/41 IXI I_I 7. Has the suspected petroleum storage system component responsible for the disc been removed from service within 3 days of discovery. If no, explain. IX 8. Have steps to obtain cleanup services been initiated within 3 days of the disc discovery? If no, explain. FTER DER IN STRUCTIONS MUNITOR ONLY JEE INCIDENT REPORT ATTACKED II. Information Required for Site Scoring and Ranking 9. Is there evidence of a contamination problem? If yes, explain in comment sect If Ives to 9. check one: a. Two or more monitoring wells/boreholes show >2" free product. b. Only I monitoring well shows >2" free product or monitoring wells show <2" free product or petroleum sheen. DER Form No. Page 1 of 2 

•

Site No. 93 Li'l Champ Food Store #111 1943 NW Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098503083

FLORIDA Fl. da Department of Environmental 1 cection Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400 Division of Waste Management Bureau of Petroleum Storage Systems							
Storage Tank Facility Compliance Ins	pection Report						
Facility ID 8503053 County 09CITRUS	Inspection Date 1/16/2021						
Facility Name (IC CHAMP FOOD) STORE III	Facility Type A-RETAK						
Latitude 28°55'34" Longitude 52°36'52	L/L Method A-GPS						
Check box to identify type of inspection performed. Update latitude/longitude as necessary. Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GGPS" (Trimble)). Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	# USTs Inspected 2 # ATSs Inspected						
Compliance Inspection (Annual) TCI X Installation Inspe	ction TIN						
Compliance Inspection (DRF received) TCDI Closure Inspectic	n TXI						
Compliance Inspection (Complaint received) TCPI Compliance Re-1							
Discharge Evaluation ("short form") TDI ** Record the real	sults of the TDI in a Discharge Project						
"Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of electronic of Rule Cite     Description / Inspector's Comments	lata recording of inspection results.						
Both Dispenser lines	s are dren.						
Both STP SUMPS L							
below the pipe inter							
it reccles the p.pe it							
pumped out and pro	party disported						
Placed is concert +	RDRLISON						
file.							
Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and prov	ide Mechanism, if appropriate.						
X Insurance Carrier: GULF UNDERWHENSEffective Date:	7/24/00 Expiration Date: 12/30/2002						
Other Coverage meeting federal financial responsibility requirements. Mechanism:							
None							
Based upon the inspection results and information provided by the owner/operator, this         Florida Administrative Code 62-761.         A re-inspection will be scheduled on or after         days to verify correction of the non-comparison	CWOE - Compliance without Enforcement						
CITRUS ENUIRONMENTAL HEAUTH 352-3 Storage Tank Program Office	27-275 n Office Phone Number						
C. MARK SUMMER No.	ert F Arenburg						
Mark Sa 1/16/01	MA7 M 1/16/01						
Inspector Signature & Date Facility Represe	ntative Signature & Date						

	/	$\cap$
Page [	of	$ \leq $

Florida Department of Environn. La Protection & Bureau of Petroleun 'orage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: <u>(1) Champ 111</u> Facility ID: 8503083 Date: <u>1/16/2001</u>,

.e Cite	Description / Inspector's Comments
	Release detection is Sir by Ust Man
	Version 95-2A. Records clecked
	from Nov99 to Nov 2000. All parc
	except 3/2000 Rey UL tonk INC, and
	4/2000 plus it tonk INC.
	The Sumps and the dispenseilines
	are checked monthly by. SEI INC. and conditions observed are noted
	and conditions observed are noted
	17 the log.
	Boxt Tanks were tested 2/20/99 by Down Under and passed. They are
	Down Under and passed. They are
	due again by 7/2002. The Tanks
	Were internally lined in 5/1992 and
	must be internally in spectral by 5/2002.
	2/14/00 by Down Under both passed. They are dreagain by 2/14/2001.
	7/14/00 by Down Under both passed.
	They are die again by 2/14/2001.
	Piping is Dw and the interstice is open
	atte simps allowing it to be monitored
	Monthly by SEI INC.
	fills vie marked per Apr 1637 No flow
	SLt off. the
L	ploto of avail site was taken.
	•

Page A of 2



Robert G. Brooks, M.D. Secretary

January 26, 2001

Jeb Bush Governor

> Mr. Brent Puzak Lil Champ Food Stores Inc. P.O. Box 23180 Jacksonville, FL 32241

> > RE: ID # 098503083 Lil Champ Food Store #111 1943 N.W. US Hwy. 19 Crystal River, FL 32629

Dear Mr. Puzak:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Enclosed, please find a copy of the Storage Tank Facility Compliance Inspection Report for the inspection recently performed at the above named facility. Please refer to this report for comments regarding the inspection.

If there are any questions concerning this matter, you may contact the Storage Tank Program at (352) 527-5295.

Sincerely,

C. Mark Sumner Environmental Specialist II

Enclosure(s)

CMS/file

CITRUS COUNTY DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH DIVISION STORAGE TANKS INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316

Sprinted on recycled paper

FDEP STCM Cover Page Det

×

This data is current as of: 06-NOV-2000

#### Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information ID#: 8503083 Name: LIL CHAMP FOOD STORE #111 1943 Nw Us Hwy 19 Crystal River, FL 32629 Contact: Lil Champ Stores Inc Phone: 404-464-7219

District: SWD County: Citrus Type: Retail Station Status: Open Latitude: 28:55:34.0000 Longitude: 82:36:52.0000 LL Method: AGPS

С

F

J

K

С

F J

К

С

Η

Κ

 $2^{4}_{S}$ 

Η

Κ

)4

Account Owner Information

Name: Lil Champ Inc Po Box 23180 Attn: Brent Puzak Jacksonville, FL 32241-3180 Phone: 904-464-7219

Tank Owner Information

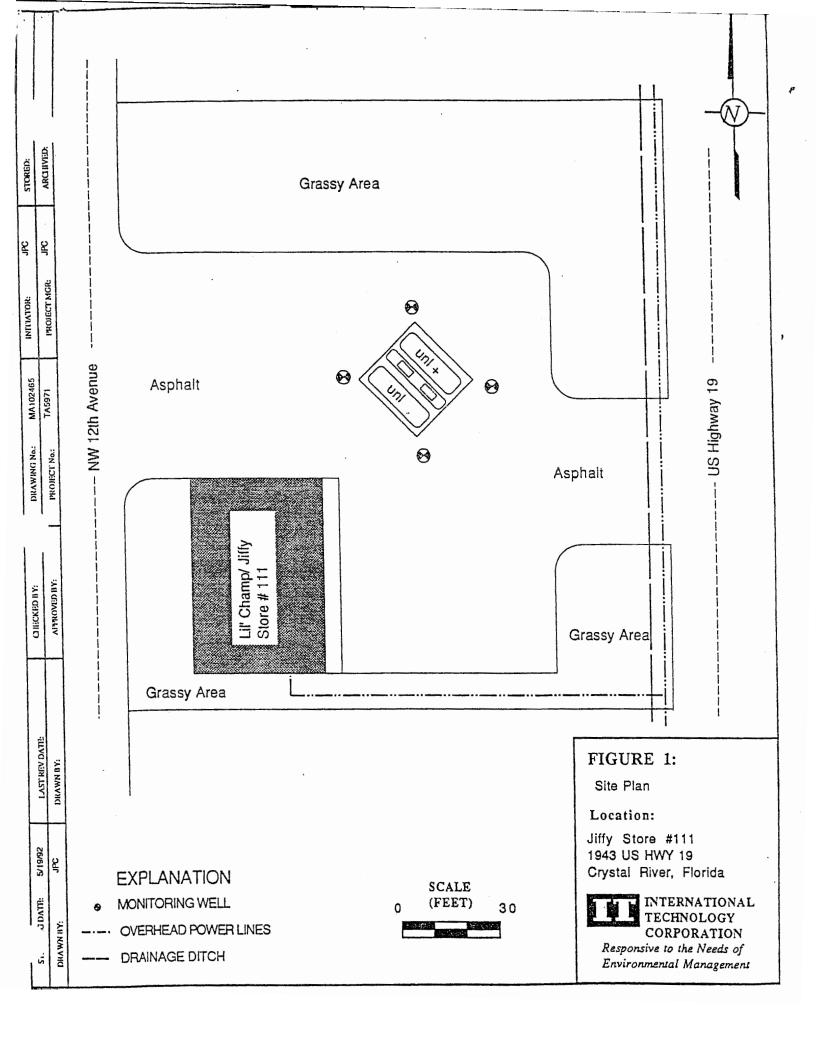
Name: Lil Champ Inc Po Box 23180 Attn: Brent Puzak Jacksonville, FL 32241-3180 Phone: 904-464-7219

Tank # Size Content Installed Placement Status Const Pipe Monitor

 8000 Unleaded Gas 08/01/1978 UNDER U A B M O C
 8000 Unleaded Gas 08/01/1978 UNDER U A B M O O

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found!

11/6/00





May 18, 1990

Mr. Richard Sosna Fire Marshal 1300 S. Lecanto Hwy. Lecanto, Fl. 32661

RE: Vapor Scan at Huntley Jiffy Store # 111, 1943 NW Hwy. 19 Crystal River, Fl.

Dear Mr. Sosna:

On May 16, 1990 a representative of IT Corporation mobilized to Huntley Jiffy store number 111 in Crystal River to preform an organic vapor scan of the four existing compliance wells, in response to your request. A Foxboro model 128GC organic vapor analyzer (OVA) was used to scan for the presence of volatile organic vapors within the compliance wells at the above referenced site. This type of OVA is a flame ionization detector (FID). None of the compliance wells contained any volatile organic vapors (OVA readings of 0). The wells were also found to have no detectable hydrocarbon odor.

It was previously reported that a hydrocarbon odor existed in the water from the tank-pit wells during a compliance visit early this year. However, no vapor monitoring device was used during that visit and only a manual inspection of the ground water was performed.

If you have any further questions, please don't hesitate to call us at (904) 867-0377.

Sincerely,

Orin f Cellezai Chris Callegari

Hydrogeologist

cc Robert Arenburgh (Huntley Jiffy Stores Inc.)

CORPORATION	FIELD ACT	ם אדואוד	AILY L	0G	A SHEE	T / CF /	/
PROJECT NAME HUNTARY J.F.	C, ± 111			PROJECT	NO. 5	95447	<b></b>
-'ELD ACTIVITY SUBJECT:	seed Scent at	winerse k	elle wir				
RIPTION OF DAILY ACTIVIT	TIES AND EVENTS:				Mol	A 45	**
MW-L = Mor Correros							,
MW-2 = 66+ Darres							
Mpl. 3 = Nor Dercers		, , , , , , , , , , , , , , , , , , , ,				И	•
MW-4 = Nor December				A SUPA		T G	)   
						6	<b>,</b>
			111			AH	1
				P+	A LAW	25 0	
			He		S JAT		Ø
	· · · · · ·			ALL Y		C I I V	1
					-		
				107-3			-
					·		!
	E E						:
							1
						E I	
						R	
						5	
					!		
					10000		
		CHCE .			1	<u> </u>	
Nove All wells men	checken usin	1 a Faxt	on Mode	1 12260	OVA -	The WELL	
were Also check	ro En Adur	- abe w	MAREN	as encour	vere .		
		[ ] !			!		
VISITORS ON SITE:		CHANGES FR OTHER SPEC	IAL ORDER	S AND IMPO	RTANT DE	CISIONS.	
	•						
WEATHER CONDITIONS:		IMPORTANT	TELEPHON	E CALLS:		••• ••••••••••••••••••••••••••••••••••	
Hor 20° Lient Airo Mo.	erey Sump				•		
CLOS Developent							
						·.•	
IT PERSONNEL ON SITE	Manura						
SIGNATURE	11				سخی :DATE	116/98	
						1	\$27 4.7

Department of Environ	imental Regulation
Discharge Noti	fication Form
. Form 17-1.	DEPARIMENT OF ENVIRONMENTS MEDDE
Use this form to notify the Department of Environmental R	Regulation of: 3426 BILLS RGAD
1Results of tank testing which reveal a discharge within 3 working	
<ol> <li>Discharges exceeding 100 gallons on pervious surfaces as describe</li> <li>Positive response of a detection device, monitoring well test of sa</li> </ol>	ed in Section 17 61.05(4)(b) within 3 working days of discovery.
Mail to the DER District	Office in your district.
PLEASE PRIN	T OR TYPE
Put "X" where ans	
1. Facility Number:98 50 308 3 2. Tank Number:	3. Date: 3/15/90
	J. Date ,
4. Facility Nallie.	5/05 1/-C-
Escility Address: 1943 NW Hwy 19	crystal River, F1 32629
Telephone Number: (901) 277 - 4640	County: citrus
Mailing Address:	
5. Date of test or discovery:	month/day/year
well, or containment. B. NFPA 329 test (underground tanks only). C. Manual test of monitoring well(s). 7. Estimated number of gallons lost:	<ul> <li>E. Inventory control.</li> <li>F. Odor or visible signs at facility or in vicinity.</li> <li>G. Other:(explain)</li> </ul>
7. Estimated homber of ganons lost.	~
	y) A. Dispenser B. Pipe C. Fitting D. Tank E. Unknown
<ul> <li>9. If a tank is leaking, circle the choices which describe the type.</li> <li>A. Aboveground</li> <li>D. Underground</li> </ul>	H. Sacrificial anode type
B. Factory Welded E. Bare or asphalt-coated steel	I. Impressed current type
C. Field erected F. Fiberglass clad steel G. Fiberglass	J. Double walled M. Other or Unknown (explain)
10. Type of pollutant discharged. (circle one)	
A. Leaded Gasoline.	E. Aviation fuel.
B. Unleaded gasoline.	Y. Other No Tret yet (explain)
C. Gasohol or alcohol-enriched gasoline,	(Z) Unknown No Tret yet (explain)
11. Cause of leak. (circle all that apply) Piping	Tank
(Å) Unknown .B. Split	G. Split J. Installation failure
C. Loose connection - D. Other	H. Corrosion P. Other
9. Other	
12. TO THE BEST OF MY KNOWLEDGE AND BELIEF ALL CURATE, AND COMPLETE.	L INFORMATION SUBMITTED ON THIS FORM IS TRUE, AC
DITENNI	RetrAL
Name of Owner, Operator or Authorized Representative	
Name of Owner, Operator of Authonized Representative	
•	
KEEP A COPY OF THIS F	ORM FOR YOUR RECORDS.
DER FORM 11-1.218(3) 9/1/84 (1/2)	

### Florida Department of Environmental Regulation



Southwest District

3804 Coconut Palm 813-744-6100 Tampa, Florida 33619 Carol M. Browner, Secretary

GED

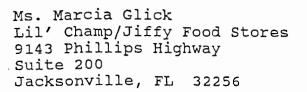
DEC

8 1992

Lawton Chiles, Governor

F0 0 0 4000

DEC 0 2 1992



RE: Jiffy Food Store #111 1943 U.S. Highway 19 Crystal River, Citrus County, Florida DER Facility ID #098503083

Dear Ms. Glick:

Michael Bland of the Bureau of Waste Cleanup has reviewed the Contamination Assessment Report (CAR) and No Further Action Proposal (NFAP) dated September 1992 (received September 30, 1992) submitted for this site. Documentation submitted with the NFAP confirms that criteria set forth in Section 17-770.630(3), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the site, except as set forth below.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 17-770, F.A.C.

Additionally, you are required to properly abandon all monitoring wells except compliance wells required by Chapter 17-761, F.A.C., for release detection. The wells must be abandoned in accordance with the requirements of Rule 17-532.500(4), F.A.C.

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have a right to challenge the Department's decision. Such a challenge <u>may</u> include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 17-103, F.A.C., you may request an extension of time to file the Petition. <u>All requests for extensions of time or</u> <u>petitions for administrative determinations must be filed</u> <u>directly with the Department's Office of General Counsel at the</u> <u>address given below within twenty-one (21) days of receipt of</u> <u>this notice (do not send them to the Bureau of Waste Cleanup).</u>

#### Ms. Marcia Glick Lil' Champ/Jiffy Food Stores

### DEC 0 2 1992

#### Page 3

Please send a copy of the approved CAR documents(s) to Mr. Ken Weber of the Southwest Florida Water Management District within thirty (30) days of receiving this Site Rehabilitation Completion Order.

The DER Facility Number for this site is 098503083. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Laurel Lucado at (813) 744-6100, ext. 427. Contact with the above named person does not constitute a petition for administrative determination.

Sincerely, John M Guddell

John M. Ruddell, Director Division of Waste Management

JMR/11s

cc: William J. Kotziers, P.G., IT Corporation Richard T. Sosna, Citrus County Fire Prevention Division Michael Bland, FDER-BWC Laurel Lucado, FDER-SWD

Site No. 94 Judy Cressey 2051 NW Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 099202341



× . .

### Florida Department of Environmental Protection

Lawton Chiles Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

D0062330

March 17, 1994

Ms. Judy A. Cressey 3971 North Timucua Point Crystal River, Florida 34428

> RE: Cressey Property 2051 Northwest U.S. 98 Crystal River, Florida DEP Facility #099202341

Dear Ms. Cressey:

The Bureau of Waste Cleanup has reviewed the Contamination Assessment Report (CAR) Addendum and No Further Action Proposal (NFAP), dated February 25, 1994 (received March 2, 1994), submitted for this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 17-770.630(3), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the site, except as set forth below.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 17-770, F.A.C.

Additionally, you are required to properly abandon all monitoring wells except compliance wells required by Chapter 17-761, F.A.C., for release detection. The wells must be abandoned in accordance with the requirements of Rule 17-532.500(4), F.A.C.

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have the right to challenge the Department's decision. Such a challenge may include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 17-103, F.A.C., you may request an extension of time to file the Petition. All requests for extensions of time or petitions for administrative determinations must be filed directly with the Department's Office of General Counsel at the Ms. Judy A. Cressey March 17, 1994 Page Two

### address given below within twenty-one (21) days of receipt of this notice (do not send them to the Bureau of Waste Cleanup).

Notwithstanding the above, a person whose substantial interests are affected by this Site Rehabilitation Completion Order may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within twenty-one (21) days of receipt of this notice. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the Department file number (DEP facility number), and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by each petitioner, if any;
  (e) A statement of facts which each petitioner contends
- (e) A statement of facts which each petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes each petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action.

This Site Rehabilitation Completion Order is final and effective on the date of receipt of this Order unless a petition (or time extension) is filed in accordance with the preceding paragraphs. Upon the timely filing of a petition, this Order will not be effective until further order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Ms. Judy A. Cressey March 17, 1994 Page Three

• • •

Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the Clerk of the Department.

Please send a copy of the approved CAR document(s) to Ken Weber of the Southwest Florida Water Management District within thirty (30) days of receiving this Site Rehabilitation Completion Order.

The DEP Facility Number for this site is 099202341. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Michael J. Bland at (904) 921-9986. Contact with the above named person does not constitute a petition for administrative determination.

Sincerely,

- John W. Push M

John M. Ruddell, Director Division of Waste Management

JMR/mjb

cc: Jim Edwards, Imperial Testing Laboratories - Lakeland Dick Sosna, Citrus County Fire Prevention Bureau



## Environmental Protection

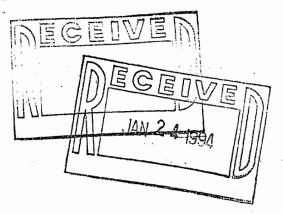
Lawton Chiles Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

January 14, 1994

Ms. Judy A. Cressey 3971 North Timucua Point Crystal River, Florida 34428

> RE: Cressey Property 2051 Northwest U.S. 98 Crystal River, Florida DEP Facility #099202341



Dear Ms. Cressey:

The Bureau of Waste Cleanup has reviewed the Contamination Assessment Report (CAR) and No Further Action Proposal (NFAP), dated November 8, 1993 (received November 12, 1993), submitted for this site. In order to meet the requirements of Chapter 17-770, Florida Administrative Code (F.A.C.), the following comment needs to be addressed:

(1) The NFAP cannot be approved at this time because the total lead concentration detected in the groundwater sample collected from MW-1 exceeds the Department's target cleanup concentration of 50 ppb. As such, MW-1 should be sampled and analyzed for total and dissolved lead to confirm the 9/1/93 groundwater samples analytical results and so that this review can be completed and a decision reached on the type of action that is warranted based on comprehensive data.

The DEP Facility Number for this site is 099202341. Please use this identification on all future correspondence with the Department.

Please provide the results of the supplemental assessment to me within sixty (60) days of receipt of this request. If additional time is needed, a time extension request should be submitted, in accordance with Rule 17-770.800(6), F.A.C. If you should have any questions concerning this review, please contact me at (904) 921-9986.

Please note, all supplemental contamination assessment related documents should be signed and sealed by a registered professional in accordance with Rule 17-770.500, F.A.C. The マツ

Ms. Judy A. Cressey January 14, 1994 Page Two

certification should be made by a registered professional who is able to demonstrate competence in the subject area(s) addressed within the sealed document.

Sincerely,

Michael J. Bland, P.G. Technical Review Section Bureau of Waste Cleanup

/mjb

cc: Jim Edwards, Imperial Testing Laboratories - Lakeland Dick Sosna, Citrus County Fire Prevention Bureau

Bureau of Waste Cleanup

G

NOV 12 1993

Technical Review Section

#### CONTAMINATION ASSESSMENT REPORT

in Xan

Sector Sector

I

2051 N.W. Highway US 98 Crystal River, Florida_ DER Facility No. 099202341

> Prepared for Ms. Judy A. Cressey

#### Prepared by IMPERIAL TESTING LABORATORIES - 3905 Kidron Read Lakeland, Florida 33811

November 1993 Project No. 2877 2877.CAR



10 A A

14

1.50.25

1000

「現金が

10 P 2

Imperial Testing Laboratories

3905 KIDRON ROAD • LAKELAND, FLORIDA 33811 • TELEPHONE: (813) 647-2877

FAX (813) 647-2978

#### November 8, 1993

Bureau of Waste Cleanup

Mr. Tim Bahr Department of Environmental Protection Bureau of Waste Cleanup Twin Towers Office Building 2600 Blair Stone Road Tallahassee, FL 32399

NOV 18 1993

Technical Review Section

Contamination Assessment Report for Re: Judy A. Cressey 2051 N.W. Highway US 98 Crystal River, Florida Facility #099202341

Gentlemen:

A letter dated March 8, 1993 from the FDEP was received by Ms. Cressey which required a contamination assessment be initiated and completed and which notified her of this site's eligibility for reimbursement of clean up costs under the Abandoned Tank Restoration Program.

The underground storage tanks were removed from this site and a closure assessment performed . Imperial Testing Laboratories (ITL) personnel monitored the tank removal and conducted the closure assessment and did not detect any excessively contamination soils within the tank excavation. However, a petroleum odor and sheen on the water present in the excavation prompted the filing of a discharge notification and Abandoned Tank Restoration Program application as directed by the Citrus County Tank Inspector, Richard Sosna.

Soil samples were taken from nine (9) soil borings and four (4) monitor wells installed by ITL to assess the extent of soil and groundwater contamination at the site. The location of the borings and monitor wells are depicted on Figure 1. The boring and monitor well logs are attached as Appendix A. The soil samples were tested for evidence of petroleum soil contamination utilizing a Porta Fid II Organic Vapor Analyzer (OVA) according to methods given in FDEP FAC 17-770. None of the soil boring or monitor well OVA results showed any indication of petroleum soil contamination. The OVA measurement logs are attached as Appendix B.

Mr. Tim Bahr Department of Environmental Protection Page 2 November 8, 1993

1.11.55

120-20

感問

The summary of the permanent monitor wells construction details and the groundwater elevations measured in them on September 20, 1993 are given in Table 1. The field survey notes and water level measurement records are attached as Appendix C. The groundwater elevations given in Table 1 were utilized to construct a groundwater elevation contour map in order to determine the groundwater flow directions at the site. This data is depicted on Figure 1 and shows both monitor wells 2 and 4 to be downgradient of the former tank field and a general groundwater flow direction of south to south-southeast.

Groundwater samples were taken from the four monitor wells during the month of September, 1993 and analyzed for gasoline parameters per 17-770. All of the EPA Methods 601 and 602 results were below detectable limits. One lead analysis indicated slightly above the 50 ppb standard. However, this is believed to be associated with the turbid sample from this well. Unrepresentative elevated lead analysis results associated with the dissolution of soil bearing lead by field acidification of unavoidably turbid groundwater samples is a common finding during 17-770 contamination assessments. The groundwater quality analysis results are attached as Appendix D and the quality assurance documentation is attached as Appendix E.

Based on the Department's guideline document "No Further Action and Monitoring Only Guidelines for Petroleum Contaminated Sites" this site meets all of the criteria for a "No Further Action" classification. A well inventory was not done since the site meets the "No Further Action" criteria even if wells are present. On behalf of Ms. Cressey we respectfully request a classification of this site as "No Further Action".

Please feel free to contact us if there are any questions regarding this submittal.

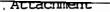
Sincerely,  $Z = 2 = 10^{-1}$  Hoot 11/5/93

Jim R. Edwards, P.G. #601 President, ITL

JRE/mwl cc: DEP - 2 Client File - 3 attachments:

Figure 1 Table 1

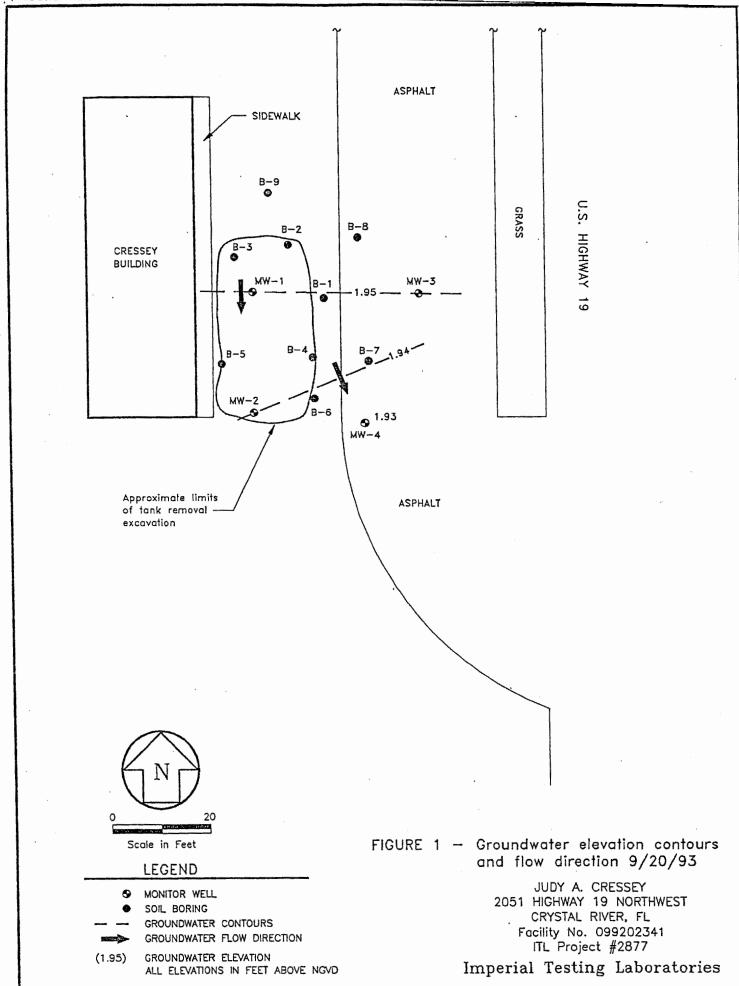
2877\car



1.14 2.511

1998年1

Constant of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s



Page 3

Mr. Tim Bahr Department of Environmental Protection Page 4 November 8, 1993

### Attachment

Strift Strift

States in

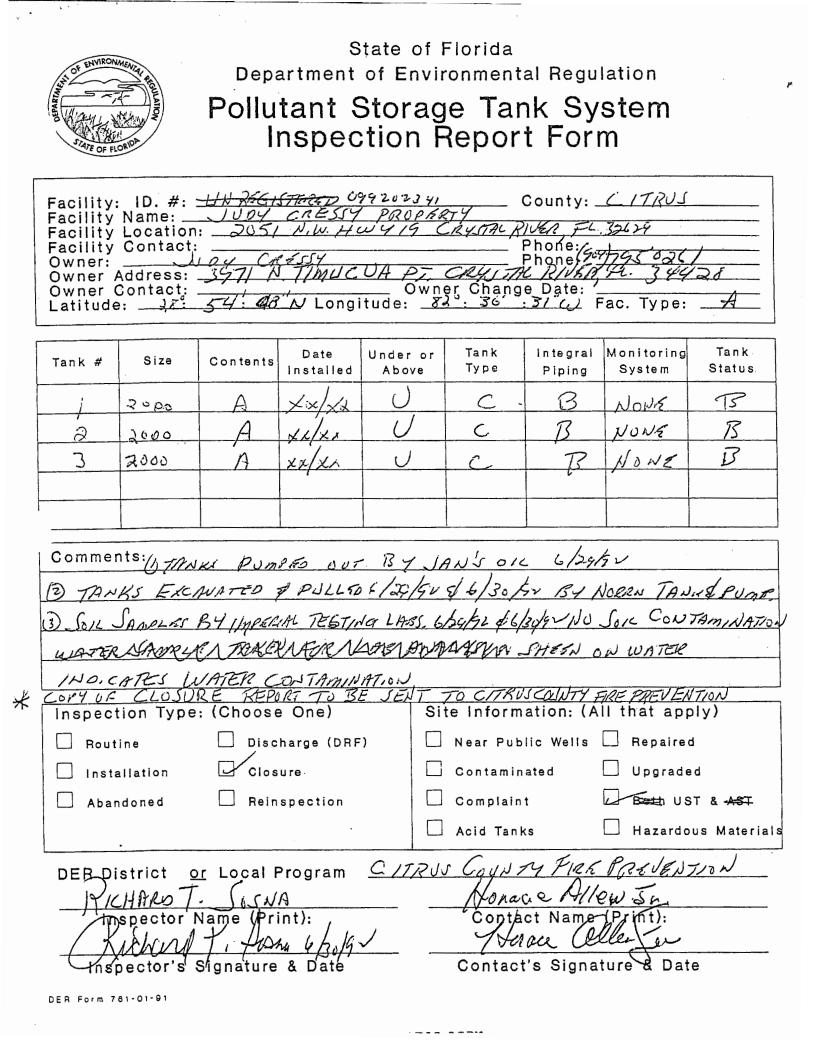
ののため

「ある」という

N. Contraction

TABI	.E 1 - S	UMMA	RY OF I	PERMANE	NT MONITOP	R WELLS
Install Date	Well No.	Well Depth	Casing Depth	MP Elevation	Groundwater Depth	Groundwater Elevations
8/30/93	1	11	2	7.24	5.29	1.95
. 8/30/93	2	- 11	2	7.45	5.51	1.94
8/30/93	3	11	2	7.00	5.05	1.95
9/16/93	4	12	2	6.52	4.59	1.93

MP (measuring point) elevations based on assumed elevations of 7 feet above NGVD for the MW-3 MP estimated from the USGS 7.5 minute "Crystal River" Quadrangle on which the subject site is depicted.





#### UNDERGROUND STORAGE TANK CLOSURE INSPECTION FORM

Facility I.D.#: <u>United Frence</u> Date: <u>(-/25/GU</u> 09920237//

	Yes	No	Unk	N/A
REGISTRATION AND NOTIFICATION 17-761,400 & 450 FAC: Comments:				
	a kana da ka sa sa sa			A
1. All of the facility's tanks properly registered; .400				$\sim$
<ol> <li>Proper notification made 30 days prior to tank(s) closure; .450 (1) (a)</li> <li>2.</li> </ol>				
3. Proper notice given 24 hours prior to storage tank(s) closure; 450 (4)		1.88%		

II. CLOSURE P	ROCEDURES/STATUS: 17.761.800 Comments:		 	]
4	Certified contractor performed the tank removal(s); .740 (2) 4:	$\sim$		(決着)(
5.	Storage tank(s) properly closed and removed from the site; (2) (d) 5.			
6.	Storage tank(s) properly closed and filled in place; (2) (d) 6.			
7.	Storage tank(s) properly closed within 90 days of discovery; (2) (a) 7.			
8.	All liquid & sludge removed from the tank(s); (2) (d)		ta ang sing Tang sing sing sing sing sing sing sing si	
9.	Storage tanks properly purged or inerted prior to transport; (2) (d) 9.			$\square$
10.	All piping capped and/or removed;	<u>ب</u>		
11.	All monitoring wells left in place for contamination assessment purposes; (2) (f) 11.			$\sim$
12.	All monitoring wells have been properly abandoned; /.800 (2) (1)			
13.	A closure assessment was properly performed; .800 (3), 13.	1		

II. DISCHARGE REPORTING 17-761.460. F.A.C.: Comments:				
14. Evidence of contamination or a discharge reported (Explain in comments)		111111		0
460 (1), (2) and (3)	$\overline{M}$		ТППЛ	ΠΠΠ
15. Discharge Reporting Form (DRF) submitted; 460 (2) 15.				<u>``</u>
	and the second second second	An of the second second		

<u>IV.</u>	DISCHARGE RESPONSE:	Comments:	
		esent; (Explain in comments) 16.	
		ing removed; 17-761.800 (3) (d) & 17-761.820 (2) 17.	

Comments: ____NOSOIL CONTAMINATION WATER SIEMELE TAKEN FOR LAG ANACYCIS SHEEN ON WATER INDICATES WATER CONTAMINATION

Site No. 97 Gulf Coast Ford (aka Nick Nicholas Ford) 4020 N. Suncoast Boulevard (@State Park Road) Crystal River, Florida FDEP I.D. Nos. 098518715 and 099201295 EPA I.D. No. FLD981745383

C .



#97

Project No. 92-0050

INITIAL REMEDIAL ACTION and TANK CLOSURE ASSESSMENT REPORT for

Gulf Coast Ford-South Parcel 4020 N Suncoast Blvd. Crystal River, Florida

> F.D.E.R.# Unregistered May 1992

> > Prepared By:

Keith McDonald Hydrogeologist

Prepared For:

Mr. Nick Nicholas Owner



#### Introduction

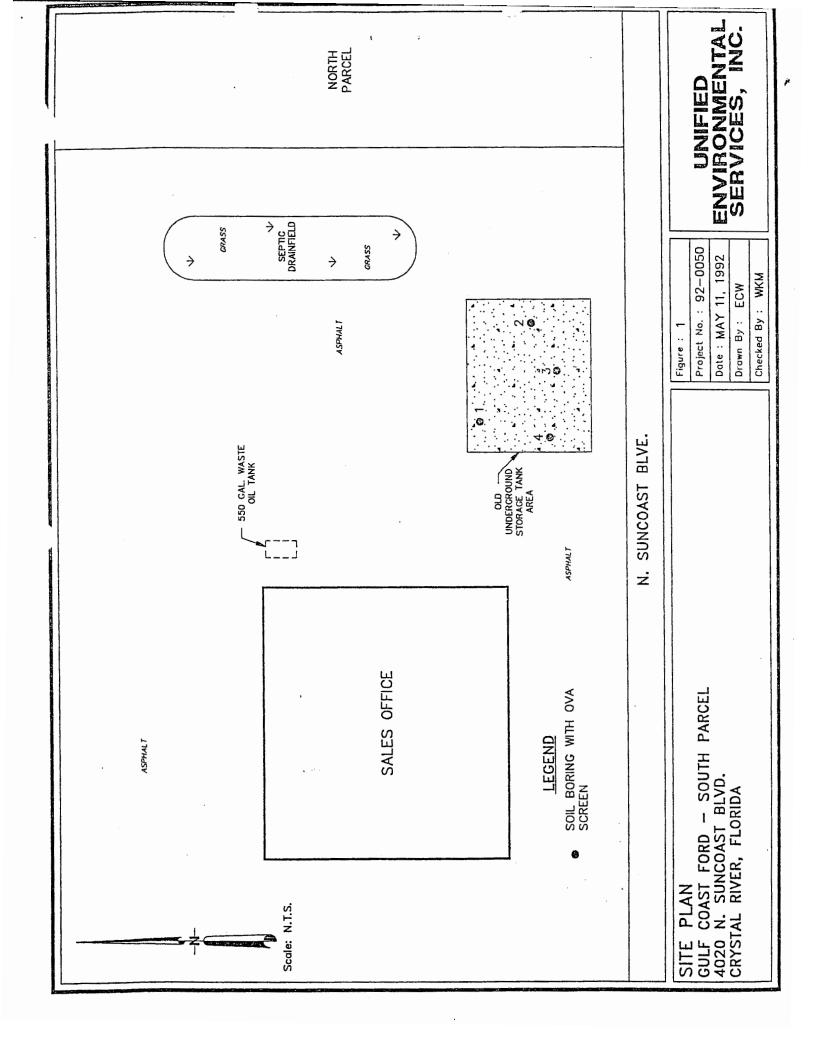
At the request of J&J Equipment, Inc., Unified Environmental Services, Inc., performed the closure assessment of an abandoned waste oil tank. The site previously existed as a Chevron fuel station and utilized the waste oil tank for automotive repair and maintenance activities. The present owner never utilized any of the petroleum tanks on the facility. Additionally, Mr. Nick Nicholas requested that the old undergorund, gasoline tank area be investigated for evidence of a petroleum discharge. Four soil borings and screening was accomplished in the old underground tank area by a UES hydrogeologist and excessively contaminated soils encountered. All petroleum storage tanks have been inactive on the south parcel of the property since at least 1986, when the gasoline tanks were excavated.

After closure of the waste oil tank, initial remedial actions (IRA) were scheduled to remove and treat the excessively contaminated soils encountered in the old gasloine, underground tank area. These activities resulted in the removal of approximately 191 tons of excessively contaminated soils. Prior to backfilling, bubbling of the old gasoline tank area ocurred for approximately 3 days, until no petroleum odor was observed. Soil borings and groundwater sampling and analyses performed approximately 3 days later confirmed the absence of any further petroleum affected soils or groundwater. Two, temporary groundwater wells were previously installed in the old tank area, prior to backfilling, and groundwater analyses confirmed the absence of any analytes exceeding the criteria established in Florida Adminstrative Code. Chapter 17-770. The owner of the property has applied to the Abandoned Tank Restoration Program for financial assistenance. This report discusses the findings of these investigative activities.

#### Tank Removal Activities

On May 5, 1992, J&J Equipment, Inc. performed the removal of one 550 gallon, steel waste oil tank. The tank had remained inactive since 1986. Prior to the waste oil tank removal, the remaining product was removed. A copy of the product manifest can be found in Appendix A and a site plan illustrating the waste oil tank area is illustrated on Figure 1. No evidence of overspill protection or a network of compliance wells was observed.

Upon removal, the tank was inspected for signs of structural breach. Signs of rusting and pitting was evident, but no signs of breach in the structural integrity was observed. The tank was transported to Tampa Scrap for recycling. A photograph of the old waste oil tank area is presented in Appendix B.







Frior to the removal of the waste oil tank, in 1986, four, steel, 4000 gallon, gasoline tanks were excavated and removed from the facility. Figure 1 illustrates the old tank area. The old tanks utilized the suction type of system to feed petroleum, via underground, steel, product lines, to two dispensers located on the south side of the sales office building, approximately 15 feet away.

#### Soil Screening Activities (Phase 1)

On May 5, during the removal of the abandoned waste oil tank, approximately 0.037 cubic yards of oil affected soils were observed around the fill port. The affected soils appeared to be restricted to immediately around the fill port and were observed from approximately 0.50-1.0 feet in depth. No other evidence of a discharge from the old waste oil tank was observed. Screening of the soils in the old waste oil tank area, with a calibrated Foxboro, Model 108, Organic Vapor Analyzer (OVA) indicated that less than 10 parts per million of hydrocarbons were present.

Four soil borings were installed in the old, underground tank, gasoline tank area also on May 5, 1992, to determine the presence of petroleum affected soils. A 2.75 inch diameter, stainless steel hand auger was utilized to perform the four soil borings and a calibrated, Foxboro, Model 108, OVA was utilized to screen the soils in accordance with the criteria established in Florida Adminstrative Code, Chapter 17-770.200. Due to previous backfilling with concrete debris in the gasoline tank area, borings 1-3 resulted in termination at approximately 4 feet in depth. No hydrocarbons were encountered at these first three borings. Soil boring no. 4 did extend to groundwater at approximately 7 feet in depth, with hydrocarbons concentrations at approximately 80 parts per million and methane detected at approximately 80 parts per million (ppm). Photographs of these soil borings are also presented in Appendix B. A discharge reporting form was immediately filed with the Southwest District of the F.D.E.R..

#### INITIAL REMEDIAL ACTION

#### Soil Sampling/Preburn Analyses

On July 12, 1992, a UES hydrogeologist performed three soil borings and obtained soil samples under Comp.QA No. 9200085G. Photographs of the soil borings are presented in Appendix C.





Three soil samples were obtained for pre-burn analyses for TRPH, 8020 and the 8 RCRA Metals. A copy of the preburn analytical reports can be found in Appendix C. All soil samples were obtained in accordance with the criteria established in F.A.C. Cahpter 17-775.

#### Soil Excavation

On July 20, 1992, Initial Remedial Action (IRA) was initiated at the old gasoline, underground petroleum tank area. A trackhoe was utilized to excavate the soils, with a backhoe utilized to transport the soils to a visquene area for temporary stockpiling. Screening of the soils was performed continously during the soil excavation activity. Photographs of the soil excavation and stockpile are presented in Appendix D.

Excavation continued on July 21, 1992, for excessively contaminated petroleum affected soils. After excavation of excessively contaminated soils was complete, the soils were transported off site for thermal treatment.

#### Groundwater Aeration

On July 20, 1992, after excavation of soils was complete, a bubbling unit (BU) was placed into the old underground, gasoline tank area and allowed to operate overnight. A petroleum sheen had been observed on the old tank area groundwater and made OVA interpretation of the soils difficult, if not impossible. By allowing the groundwater concentrations to decrease by the BU and enhanced aeration, determination of soils that were excessively contaminated could more easily assessed the next day.

A groundwater sample was obtained the following morning (7/21/92), prior to further excavation and analyzed for E.P.A. Method 602 analytes. Tank area groundwater samples were obtained by placing a stainless steel bailer into the tank area groundwater and pulling the bailer across the middle of the excavated area. Results of the groundwater analyses indicated that benzene was present at approximately 29.3 parts per billion (ppb) and Total Volatile Organic Aromatics (Total VOA's) were present at approximately 58.8 ppb. These groundwater concentrations still exceeded the criteria established in F.A.C. Chapter 17-770 for benzene and Total VOA's at 1.0 and 50.0 ppb, respectively.





Excavation of all excessively contaminted soils continued on July 21, 1992. After all encountered petroleum, excessively contaminated soils were removed from the old gasoline tank area and the BU was again placed into the tank area and allowed to operate overnight. Again, on the following morning (7/22/92) another groundwater sample was obtained from the old tank area for E.P.A. Method 602 analysis. Results of the groundwater analyses indicated that all E.P.A. Method 602 constituents were within the criteria established in F.A.C. Chapter 17-770. Copies of the laboratory analytical report for the July 21 and 22 tank area groundwater analyses are presented in Appendix E.

#### Temporary Well Installation

During backfilling of the old gasoline tank area on July 23-24, two, 2 inch diameter, Schedule 40, PVC, monitor wells were installed. These wells can be easily removed and backfilled. Each well is equipped with approximately 10 feet of 0.010 inch slotted screen, 2 feet of soild riser attached with stainless steel screws and a coupling and a traffic bearing manhole. The well head is equipped with a watertight, locking plug and has been grouted inside the manhole in the annular space, to approximately 1.5 feet, below land surface. Groundwater was encountered during the soil excavation at approximately 7 feet below land surface. Photographs of the wells are presented in Appendix F.

#### Groundwater Quality Confirmation

On July 23 and 24, 1992, during the backfilling of the old tank area, groundwater samples were obtained from the old underground tank area for analyses. Results of the groundwater analyses on July 23, 1992 for E.P.A. Method 602 analytes confirmed the groundwater quality to be within the criteria established in F.A.C. Chapter 17-770. Methly Tert Buthyl Ether (MTBE) was detected at approximately 1.72 ppb, with all other analytes with the State of Florida's criteria. The groundwater analyses obtained on July 24, 1992, from the old tank area for E.P.A. Method 602 and 610 analytes also indicated that further remediation had ocurred and all analytes tested were below detectable levels and within the criteria established in F.A.C. Chapter 17-770. Copies of these analytical reports can be found in Appendix G.

Typically, several days are allowed to pass before groundwater analyses are obtained from a newly installed well, to allow for equilibrium to establish. Photographs of the well installations are presented in Appendix F. Approximately 5 days after the installation of the two, temporary monitor wells in the old





#### TABLE 1

#### Gulf Coast Ford-South Parcel 4020 N. Suncoast Blvd. Crystal River, Florida

#### SUMMARY OF OVA RESULTS (parts per million)

DEPTH	NORTH	EAST	SOUTH	WEST	CENTER
0-1	< 10	< 10	< 10	< 10	<10
1-2	< 10	< 10	<10	< 10	< 10
2-3	< 10	< 10	<10	< 10	<10
3-4	< 10	< 10	< 10	< 10	< 10
4-5	< 10	< 10	< 10	< 10	~25
5-6	~30	~30	~30	~45 .	~300
6-7	~550	~420	~380	~600	~850
7-8	~800	~600	~1200	~4000	~6500
8-9	~150	~100	~250	~440	~480
9-10	< 5 0	< 50	< 50	< 50	< 5 0

Note: Depth is given in feet. OVA values have had methane removed, through the use of an activated charcoal filter.





gasoline tank area, groundwater analyses for E.P.A. Method 602 analytes was obtained. Results of the analyses indicated that all tested analytes were again within the criteria established in F.A.C. Chapter 17-770. A copy of the temporary monitor well laboratory analytical report can be also found in Appendix G, with the locations of the wells illustrated on Figure 1.

#### Soil Screening Results

During excavation of the soils on July 20 and 21, 1992, screening of the soils was performed continously, utilizing a Foxboro, Model 108, OVA. Results of the soil screening revealed that the petroleum affected soils were between 5-7 feet in depth, and encompassed an area approximately 45x35 feet in diameter. Soil values ranged in hydrocarbon values between approximately 6500 ppm at the water table approximately 7-8 feet in depth and decreased to less than 50 ppm at approximately 5 feet in depth. Table 1 summarizes the OVA values observed in the old gasoline tank area.

Four soil borings to approximately 4 feet in depth were performed at the previously existing fuel island locations and to approximately 8 feet in depth, in the old underground, gasoline tank area on July 24, 1992. Screening of the soils at these borings revealed that no indication of a discharge was observed and all OVA, values were less than 5 ppm.

#### Soil Disposal/Remediation

Because prior soil samples on July 12, 1992 had been obtained and analyzed from the old gasoline tank area, removal of the excavated, excessively contaminated soil from the facility was expediated. Immediately after excavation of the soils, on July 21, 1992, approximately 190.90 tons of excessively contaminted soils were transported to an F.D.E.R. approved thermal incinceration facility. A copy of the disposal manifest can be found in Appendix H.

#### Discharge Reporting/Closure Assessment/IRA Report Form

Enclosed in Appendix I are copies of the Discharge Reporting Form, Closure Assessment Form and IRA report form.

#### Conclusions

Based on the observed groundwater and soil quality after removal of the excessively contaminted soils and confirmation of groundwater quality through several groundwater analyses, the site poses a low environmental risk.

-7-



#### CITAUS COUNTY DEPARTMENT OF DEVELOPMENT SERVICES

1300 South Lecanto Highway Lecanto, Florida 32661-8099 (904) 746-4223

In reply, refer to:

July 27, 1992

Mr. Dennis Morgan Nick Nicholas Ford 2901 Hwy. 44 Inverness, Florida 32650

Ref. Fac. # 098518715 Gulf Coast Ford - South Parsel US Hwy. 19 & State Park Road Crystal River, Florida 32629

Dear Mr. Morgan,

Attached are the 17-761 Florida Administrative Code Compliance inspection results for the above named facility. Our inspector did not indicate violations of Chapter 17-761, F.A.C. at the time of his inspection. We appreciate your firm's attention regarding environmental regulations, for pollutant storage tank system. Also please see comments on front page of inspection report.

If you have any questions concerning this matter, feel free to call upon me.

Sincerely,

Richard T. Sosna Fuel Tank Inspector Citrus County Fire Prevention

RTS/jf

Attachments: FLIRPA Check list

cc: Keith McDonald - Unified Environmental

·	,					•						
	SE ENVIRON	NMENT	_	-	tate of							
	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	A REAL		artment					<i></i>			
Pollutant Storage Tank System												
[					2.		•					
•	Facility	Facility: ID. #:OY8 518715 County: County: Facility Name:(K NICHLAG FUL) (GULF COULT FORD)										
×.	Facility Location: US 19 The State PAUL RD At The RIJER STOP Facility Contact: Phone: Phone:											
	Facility Contact:       Phone:       775       774         Owner:       Phone:       Phone:       Phone:         Owner Address:       Phone:       Phone:       Phone:											
	Owner (	Contact:	WILL NO	HUL AJ DEN	tude	er Chang	e Date:	ac. Type:	11 05 A"			
	Latitud						·	<u>.</u>	~~~~~~			
	Tank #	Size	Contents	Date Installed	Under or Above	Tank Type	Integral Piping	Monitoring System	Tank Status			
	. /	6000	5	XY HI	υ	، ح	ٹے ا	4	73			
	74	6000	A	Xx/71	()	С	C	·	B			
	3	3000	A	Xx/71	Ú	C	C	4	ß			
	4	3.00	Ą	×17,		L.	i ci	4	B			
		3000	R	5/87	Ū	AF		13	$\mathcal{O}$			
	Commer		Cler To ling I	1725/			om SITE		10 CLOJUNE			
	61 54	, Samo	HNRS I	The sum		,	-		JAL WITH			
	E) SOIL SAMPLES TAKEN JUNG IT, H92 BY UNIFIED ENVIRONMENTAL WITH EXCESSIVE CONTAMINATION FOUNDIN SOIL.											
		(3) 130 CU YDS 6 = SOLL REMOVED 7/20/92 = (3) TEMPORTEN WELLS / LITACES										
	APTE	,		TREATED			· ·					
+	CoP1 Inspect	) CLOTA ion Type	6 RALIRE	TO BE	IENT D	CITILUI LU	JUNTY FIRE	PREVENT				
	- Rout		_	harge (DRF	,   🗆	Near Pub	lic Wells	Repaired	4			
	Insta	allation	Clos	ure		Contamin	ated	Upgrade	d			
	Aban	doned	🗌 Rein	spection		Complain	t .	Both US	T a AST			
·						Acid Tank	(s	Hazardo	us Materials			
	DER Dî	strict o	r Local F	rogram	CHRU	I COUN	TY FIRS	PREVENT	500			
	FRANTIE DENNIS MORGAN											
	LIN.	spector N	lame (Pri	ínt):	1	Gonta	ct Name	(Print):				
-	Inst	Sector's S	<u>////</u> Signature	& Date	4/92 _	Contact	's Signat	ure & Dat	e			
	DEA Form 78		-				.:					



#### UNDERGROUND STORAGE TANK CLOSURE INSPECTION FORM

Date:

÷ .

Unk No Yes

REGISTRATION AND NOTIFICATION 17-761.400 & 450 FAC: Comments:

5

۰.

1. All of the facility's tanks properly registered; .400 ÷., ÷., 1 A 44 7 •••• Proper notification made 30 days prior to tank(s) closure; .450 (1) (a) 2. 2. 3. Proper notice given 24 hours prior to storage tank(s) closure; 450 (4) ે 3. . . .

II. CLOSURE PROCEDURES/STATUS: 17.761.800 Comments:				
4. Certified contractor performed the tank removal(s); .740 (2)				
5. Storage tank(s) properly elessed and removed from the site; (2) (d) 5.				
6. Storage tank(s) properly closed and filled in place; (2) (d) 6.		·	611	14.
<ol> <li>Storage tank(s) properly closed within 90 days of discovery; (2) (a)</li> <li>7.</li> </ol>				•
A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A CONTRACT OF A	ريو نوره منه	a station	N 8,79	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
9. Storage tanks properly purged or inerted prior to transport; (2) (d) 9.				
<ol> <li>Storage tanks properly purged or inerted prior to transport; (2) (d)</li> <li><u>All piping-capped and/or removed;</u></li> </ol>				1.72%
11. All monitoring wells left in place for contamination assessment purposes; (2) (f)				
12. All monitoring wells have been properly abandoned; .800 (2) (f)			a e se der	a states
13. A closure assessment was properly performed; .800 (3), 13.				-

<u>.m.</u>	DISCHARGE REPO	RTING 17-761.460, F.A.C	<u>:</u> Comments: _	n an an a than an		9999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	
147.		nce of contamination or a ( 1), (2) and (3)					
		arge Reporting Form (DRF)				15.	
<b>Bernanden</b>		· · ·	•	n an an an ann an Ann ann an r>Ann an Ann an A		en en en en en en en en en en en en en e	* *
<u>. IV.</u>	DISCHARGE RESP	ONSE: Comments:		······································	,		
		roduct present; (Explain in roduct being removed; 17				17.	
	Comments:	CONTAMINA	TEI) SOIL	REINOUED	FROM SITE	TRUCKY	Lo lo
·	To Co	CONTAMINA A MEYER IN C	LERMONT F	E. 7/21/91	I FAR BUI	RNING	ĩ ș
	· .	2	. /			₩.	
						-*	4
	· •	the second second second second second second second second second second second second second second second s		•			
					•		
			¢.	• .		· ·	
		• • • •			· ,		ALCON DE
/ // .		×	···· -		•	*	la de
		••••••••••••••••••••••••••••••••••••••	• • • • • •	e* .			Page 1 of





Project # 93-0049

DEP FEB 2 2 1994

#### CONTAMINATION ASSESSMENT REPORT

for

Gulf Coast Ford-South Parcel Old Gasoline and Waste Oil Tank Area 4020 North Suncoast Boulevard Crystal River, Citrus County, Florida

F.D.E.R. # 099201295

January 1994

Prepared For:

4

Gulf Coast Ford

Keith McDonald

Reg. Fl. Geologist P.G. #001523 1-28-94





TABLE OF CONTENT

SECTI	LON	PAGE No.
1.0	INTRODUCTION	1
<b>1.</b> 1	Site History	1
	Figure 1 (Site Vicinity Map)	2
2.0	ASSESSMENT METHODOLOGY	3
2.1	Monitor Well Installation	3
	Figure 2 (Site Plan)	4
2.2	Soil Boring Methodology	5
2.3	Soil Screening Methodolgy	5
	Figure 3 (Typical Monitor Well Detail)	6
	Figure 4 (Temporary Monitor Well Detail)	7
	Figure 5 (Soil Boring Plan)	8
2.4	Groundwater Sampling	9
2.5	Surface Water/Potable Well Survey	9
2.6	Utility Survey	10
3.0	CONTAMINATION ASSESSMENT RESULTS	10
3.1	Site Geology	10
3.2	Free Product Occurrence	- 10
<b>3.</b> 3	Horizontal Dissolved Hydrocarbon Plume	- 10
	Table 1 (Summary of Groundwater Analyses)	- 11
	Figure 6 (Groundwater Dissolved Map)	- 12
	Table 2 (Summary of Soil Screening)	13
3.4	Soil Contamination Estimate	- 14





Table of Content

Cont	ent Page	e No
3.5	Groundwater Elevations	14
4.0	CONCLUSIONS	14
	Figure 7 (Groundwater Direction Map: 7/1/93)	15
	Figure 8 (Groundwater Direction Map: 9-17-93)	16
5.0	REFERENCES	17





#### 1.0 INTRODUCTION

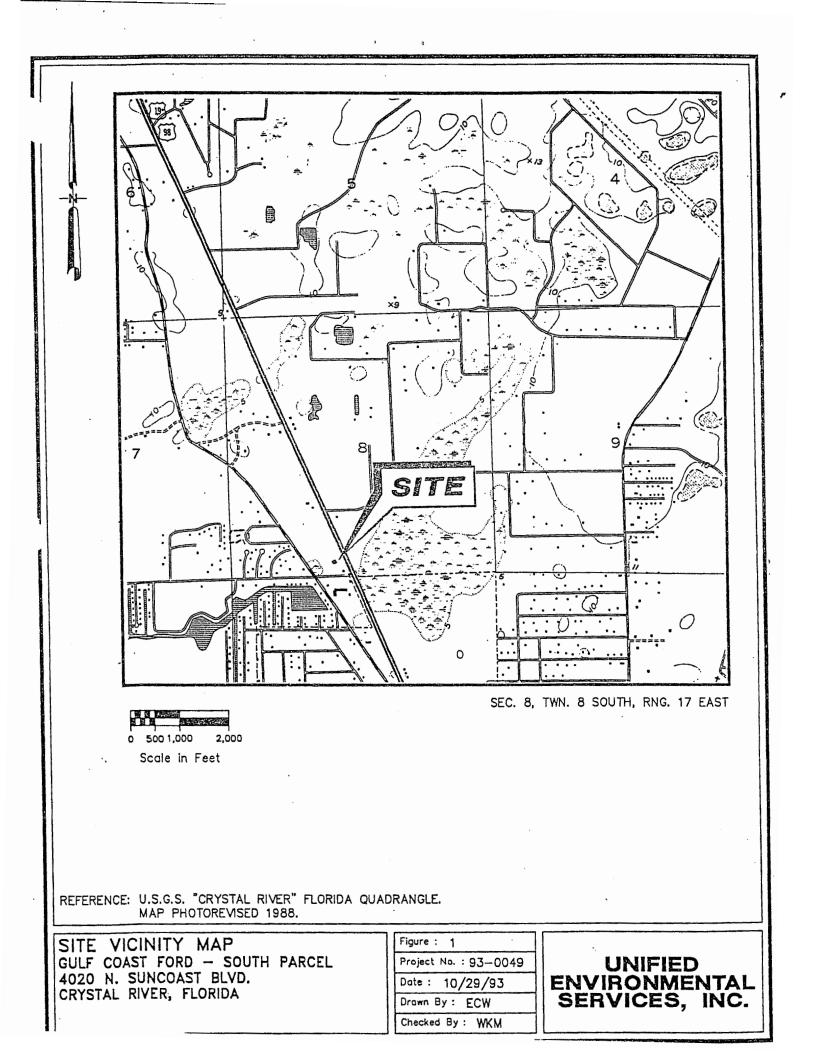
At the request of Gulf Coast Ford, Unified Environmental Services, Inc. (UES) has performed a Contamination Assessment Report for petroleum hydrocarbons, at a previous Chevron facility, located at 4020 North Suncoast Boulevard (Hwy.19), in Crystal River, Citrus County, Florida. Figure 1 illustrates a Site Vicinity Map for the facility. On May 5, 1993, the result of soil borings in the old gasoline tank area revealed the presence of excessively contaminated soils. A low quanity (0.037 yd) of waste oil affected soils was also observed and removed from around the fill port for the waste oil tank, located approximately 35 feet west of the old gasoline tank area. A Discharge Reporting Form was submitted to the onsite Citrus County/F.D.E.P. representative.

Initial Remedial Action (IRA) activities were performed on the gasoline affected soils on July 20, 1992, with 191 tons of excessively contaminated soils excavated and thermally treated. The excavation was allowed to aerate for two days prior to backfilling. Two temporary wells were installed in the excavation during the backfilling activities, with groundwater analyses results indicating groundwater quality for E.P.A. Method 602 and 610 analytes were within the criteria established in Florida Adminstrative Code, Chapter 17-770.

UES supervised the installation of three, permanent, monitor wells to determine the horizontal extent of groundwater contamination. Groundwater samples were obtained by a UES representative and analyzed under Comprehensive Quality Assurance No. 920085G. Analyses was conducted on the groundwater samples for the gasoline group group of parameters, as defined in Florida Administrative Code, Chapter 17-770. The well located adjacent to the previous waste oil tank was also sampled for the gasoline group of parameters as well as E.P.A. Method 625 and 4-RCRA Metals. UES also accomplished the hand auger of eight (8) auger borings in the vicinity of the UST area and dispenser islands to determined if any hydrocarbon contaminated soil existed. Soil screening was accomplished by a UES hydrogeologist, utilizing an Organic Vapor Analyzer, per the criteria set forth in F.A.C. Chapter 17-770.200. This report discusses in detail the investigative methodology and results of findings from the Contamination Assessment.

#### 1.1 SITE HISTORY

The facility had operated as a full service gasoline station for automotive vehicles for approximately 15 years, until 1986, when J&J Equipment, Inc. performed the tank removal. Three (3), underground storage tanks (UST's), single-walled, bare steel were







previously in operation and contained 4,000 gallons of gasoline. Single-walled, steel piping existed from the tanks to the dispensers, with the tanks not being being equipped with overspill/overfill protection. The system was the suction type, with the pump dispensers located approximately 40 feet of the southeast of the tanks. Figure 2 illustrates a Site Plan for the previously existing facility.

On May 5, 1992, during the removal and closure assessment of the exisitng waste oil tank, four soil borings were accomplished at the old gasoline tank area. Excessively contamianted soils were encountered at the south quadrant of the old gasoline tank area. Also, waste oil affected soils (0.037 cubic yard) were encountered at the exisitng waste oil tank fill port area from approximately 0.50-1.0 feet in depth. Groundwater depth at the site is approximately 7 feet. The Citrus County inspector agreed that the extent of the waste oil affected soils was minimal. A copy of the Discharge Reporting Form for the old gasoline tank area is presented in Appendix A.

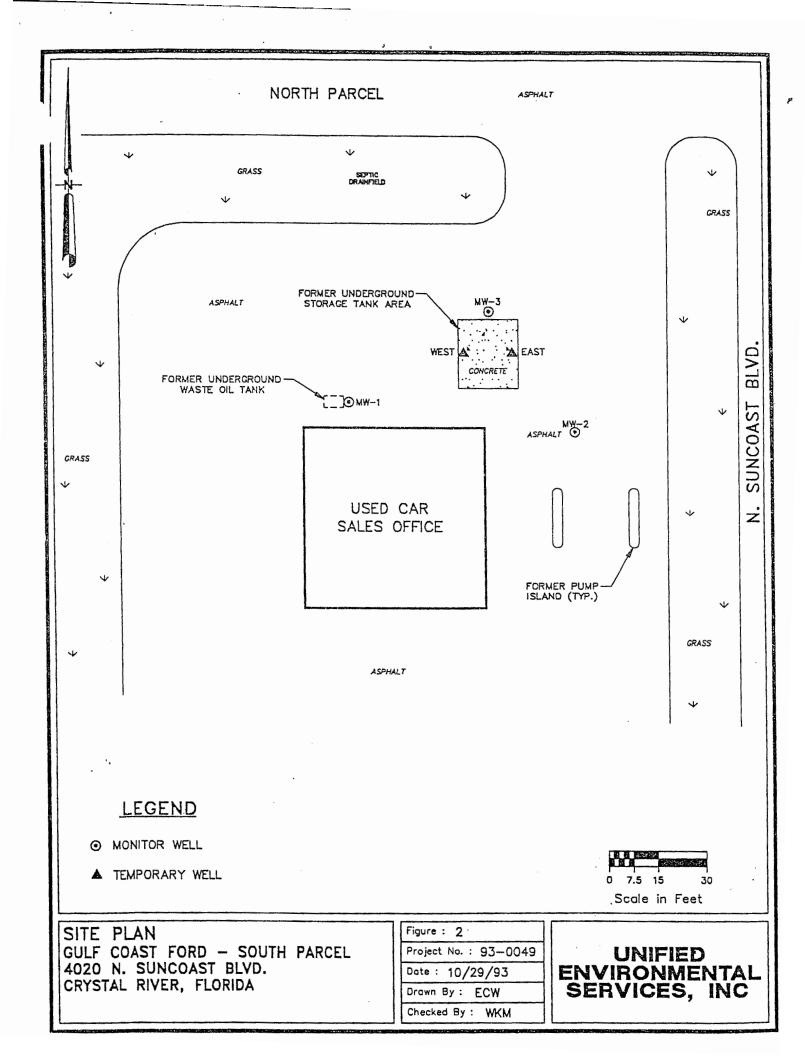
Application to the Abandoned Tank Restoration Program was sought, with elgibility by the F.D.E.P. on January 26, 1993. A copy of the elgibility letter can be found in Appendix B.

#### 2.0 ASSESSMENT METHODOLOGY

#### 2.1 MONITOR WELL INSTALLATION

On May 26, 1993, three permanent monitor wells (MW) were installed by Hydrologic Florida, Inc. to delineate the possible horizontal extent of groundwater contamination. Two, (2) temporary monitor wells (East, West) previously existed in the previous gasoline UST area from the IRA activities. Monitor well (MW-1) was installed adjacent to the former waste oil tank and appproximately 30 feet to the west of the former gasoline tank. Monitor well no. 2 was installed approximately 20 feet to the southeast and monitor well no: 3 was installed approximately 5 feet to the north of the former gasoline tanka area. Figure 2 illustrates a Site Plan, illustrating the well locations. The methodology for the installation of all wells utilized to obtain groundwater data is presented below.

The three monitor wells installed on May 26, 1993, are constructed of two (2) inch diameter, Schedule 40 PVC, and consist of ten (10) feet of 0.010 inch slotted screen and two (2) feet of solid riser. Groundwater was encountered approximately seven (7) feet in depth below land surface (BLS). The wells were installed by utilizing a 6.25 inch diameter, O.D. hollow-stem auger and rotary drilling







procedures. All down hole equipment was steam cleaned and clean gloves were utilized between each well. The annular space in the borehole was packed with a 6/20 quartz, clean, well sorted sand to approximately one (1) foot above the well screen. A bentonite seal was placed above the sand pack for approximately 0.50 feet and the remaining annular space was grouted to the surface. The well was completed with a locking expansion plug and a traffic bearing manhole. The well was developed until the development water was clear. Figure 3 illustrates a Typical Monitor Well Detail.

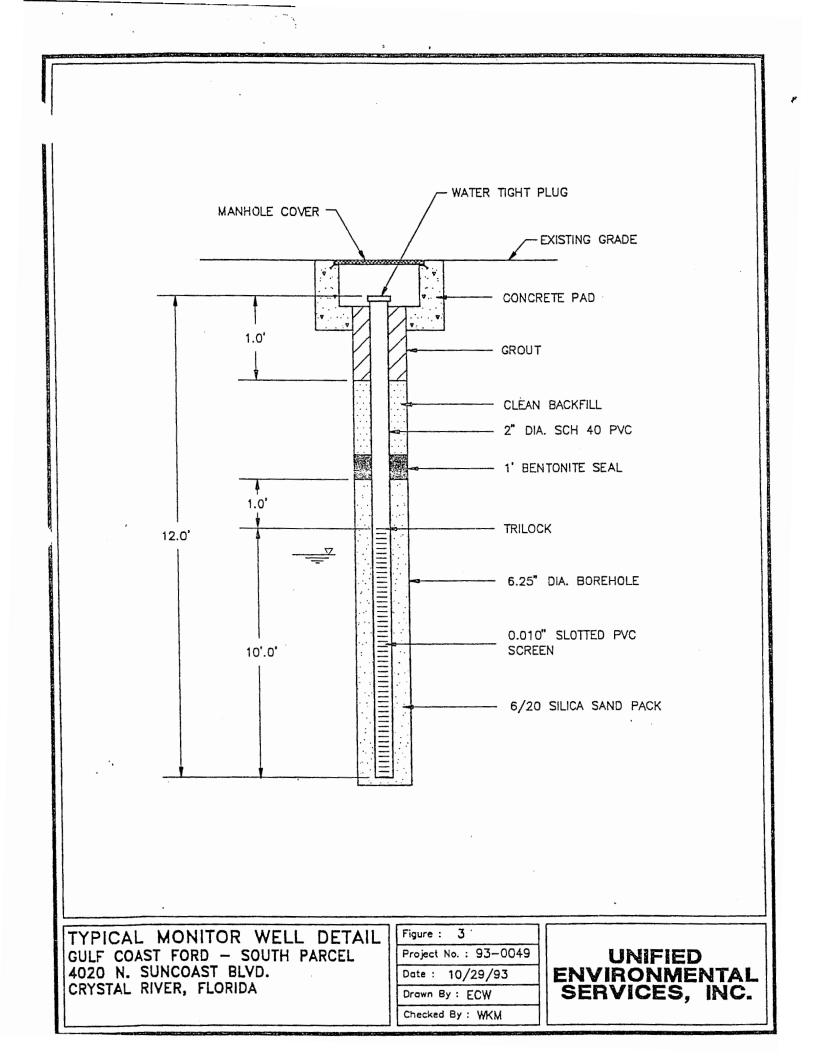
On July 23, 1992, two temporary monitor wells were installed in the previous gasoline tank area soil excavation to allow for groundwater quality correlation. The wells are constructed of PVC well screen approximately 5 feet in length, two inches in diameter, with three feet of soild riser. The borhole was created with a 2 foot wide, trackhoe bucket, during the IRA activities, with the well inserted in the excavation approximately 2 feet into the groundwater. Natural backfill, clean sand was utilized to fill the hole, with the wells held in place by a rope. The top of casing of the temporary wells were then placed into a traffic bearing manhole, with a concrete grout placed from land surface to approximately 2 feet in depth. A water tight plug was placed on top the well. Figure 4 presents a temporary monitor well detail.

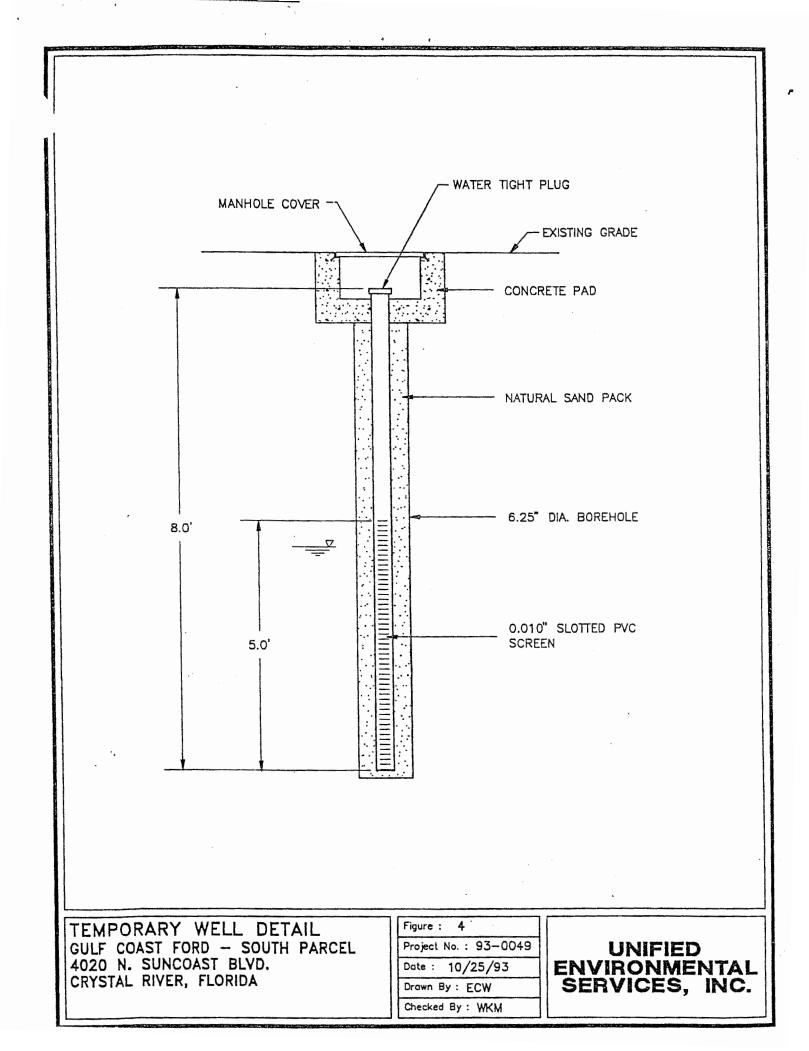
#### 2.2 SOIL BORING METHODOLOGY

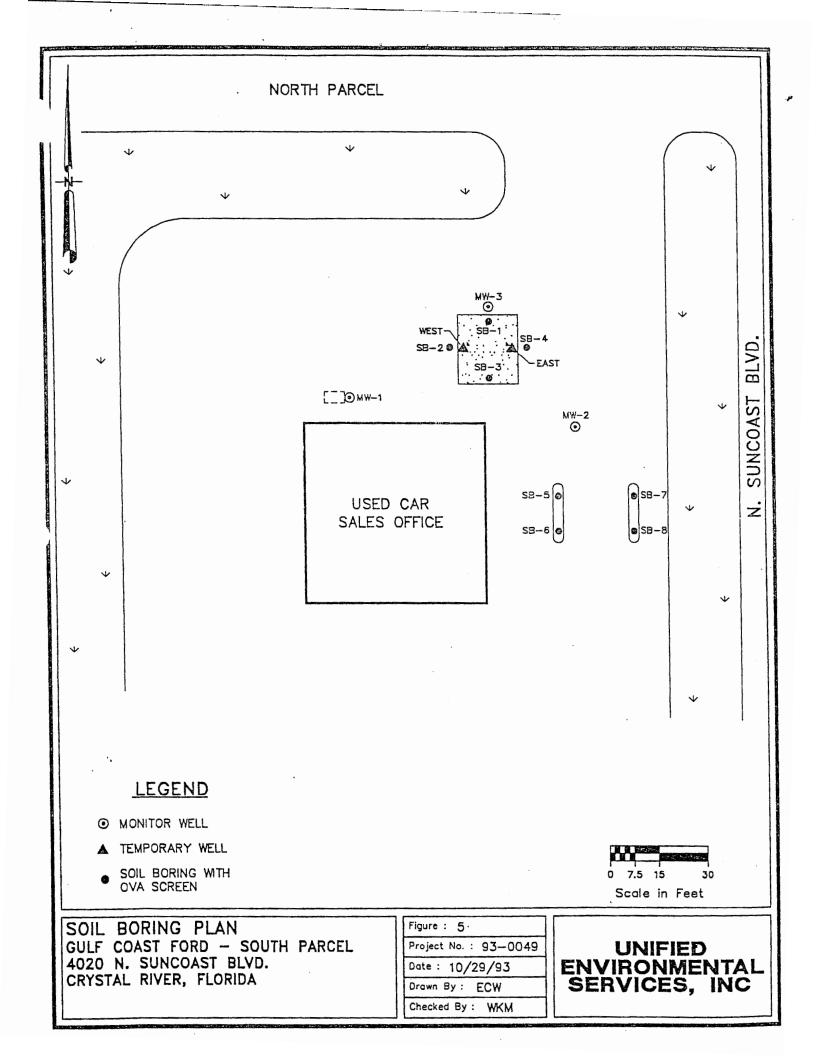
On May 26, 1993, eight (8) soil borings (SB) were drilled. The soil borings were accomplished with a 2.75 inch diameter, stainless steel hand auger. Decontamination between soil borings was accomplished with a soap/water scrub and clean water rinse. Soil samples were obtained at one foot intervals from land surface to approximately 7 feet in depth. Figure 5 presents a soil boring plan. The auger borings were utilized to determine the site geology and to obtain soil samples for OVA analysis.

#### 2.3. SOIL SCREENING METHODOLOGY

During drilling of the soil borings and installation of the permanent monitor wells, the soil cuttings were continuously screened with a Foxboro, Model 108, Organic Vapor Analyzer (OVA). During the drilling activities, grab soil samples were obtained at 2 foot intervals and placed in 500 ml, glass jars and immediately covered with alumimum foil. The OVA was calibrated prior to use with standard gases (methane-95ppm and zero air) to assure proper soil screening values. Periodically; an activated charcoal filter was placed on the OVA pump intake to discern between the presence of hydrocarbons and methane. Decontamination of the soil jars was











accomplished using a mixture of detergent and potable water with potable water being the final rinse. All soil screening was accomplished in accordance with the criteria established in Florida Adminstrative Code, Chapter 17-770.200.

#### 2.4 GROUNDWATER SAMPLING

UES obtained a groundwater samples and analyzed the sample in accordance with EPA procedures and in accordance with UES's approved Comprehensive Quality Assurance Plan, no. 920085G. Appendix C contains a copy of the approved FDER QA Sheet. Prior to obtaining groundwater samples, the well was purged at least five (5) well volumes and allowed to recharge, to assure the collection of a representative groundwater sample.

The groundwater samples were immediately placed on ice and delivered to the laboratory for analyses. Groundwater analyses from MW-1 was performed for E.P.A. Method 601,602,504.1,239.2, 625 and four metal analyses (Ar.Cd, Cr, Pb). MW's 2-3 were sampled for E.P.A. Method 601,602,504.1 and 239.2 analyses and the east and west temporary wells were sampled for E.P.A. Method 602 analyses. A 1.5 inch diameter, stainless steel hand bailer was utilized to purge the five well volumes and obtain the groundwater samples.

#### 2.5 SURFACE WATER/POTABLE WELL SURVEY

As seen by Figure 1, the site is located approximately 700 feet, northeast of a canal that leds to the Gulf Of Mexico. The Gulf of Mexico is located approximately 0.75 mile east of the facility. A wetlands area is located to the east of Highway 19, approximately 200 feet.

Potable water and waste water disposal is provided to Gulf Coast Ford via a potable well and septic tank. The potable well and septic tank are approximately 400 feet to the northwest of the old gasoline tank area. The Crystal River Water Department has water and waste water lines within 0.10 mile of the site and plans to transfer these utilities to the Gulf Coast Ford South Parcel are in progress. No other potable wells were observed within a one-quarter mile radius of the site by a field reconnisance survey performed on May 26, 1993, by a UES hydrogeologist.



#### 2.6 UTILITY SURVEY

The existence of underground utilities at the facility was determined by obtaining site plans of existing utilities. Local utility companies were contacted and clearance was obtained of existing utilities. No utilities were observed that would serve as conduit for hydrocarbon migration.

#### 3.0 CONTAMINATION ASSESSMENT RESULTS

#### 3.1 SITE GEOLOGY

During all monitor well drilling activities, soil samples were collected and field analyzed to determine site lithology. Figure 5 illustrates the location of the soil borings. Drillers logs are provided in Appendix D. As indicated from land surface to approximately 5 feet in depth, a fine grained quartz sand was encountered. Underlying this, a fine grained well sorted quartz sand, with some clay and limestone was encountered to a depth of approximately 8 feet. Limestone was encountered at approximately 8-12 feet, with sand lenses observed. The Crystal River Limestone encountered consisted of a soft texture, white appearance with abundant marine fossils. The Crystal River Formation is part of the Ocala Group and is of late Eocene Age.

#### 3.2 FREE PRODUCT OCURRENCE

No free product has been observed at the facility.

#### 3.3 HORIZONTAL DISSOLVED HYDROCARBON PLUME

The analytical reports for the wells can be found in Appendix E. All of the testing of the five wells indicated that the concentrations were within the criteria outlined in F.A.C. Chapter 17-770, with the exception of dissolved lead. Dissolved lead was detected at 0.110 and .653 parts per million in monitor wells no. 2 and 3, respectively. The State of Florida allowable limit is 0.05 parts per million. Table 1 presents a summary of the groundwater analytical data and Figure 6 presents a groundwater plume map for the facility.

No indication of groundwater impact from waste oil was observed from groundwater analyses of the gasoline group of constituents, E.P.A. Method 625 and four RCRA Metal analyses. The previously



٠.

### UNIFIED ENVIRONMENTAL SERVICES, INC.



#### TABLE 1

#### Gulf Coast Ford 4020 N. Suncoast Blvd. Crystal River, Citrus County, Florida

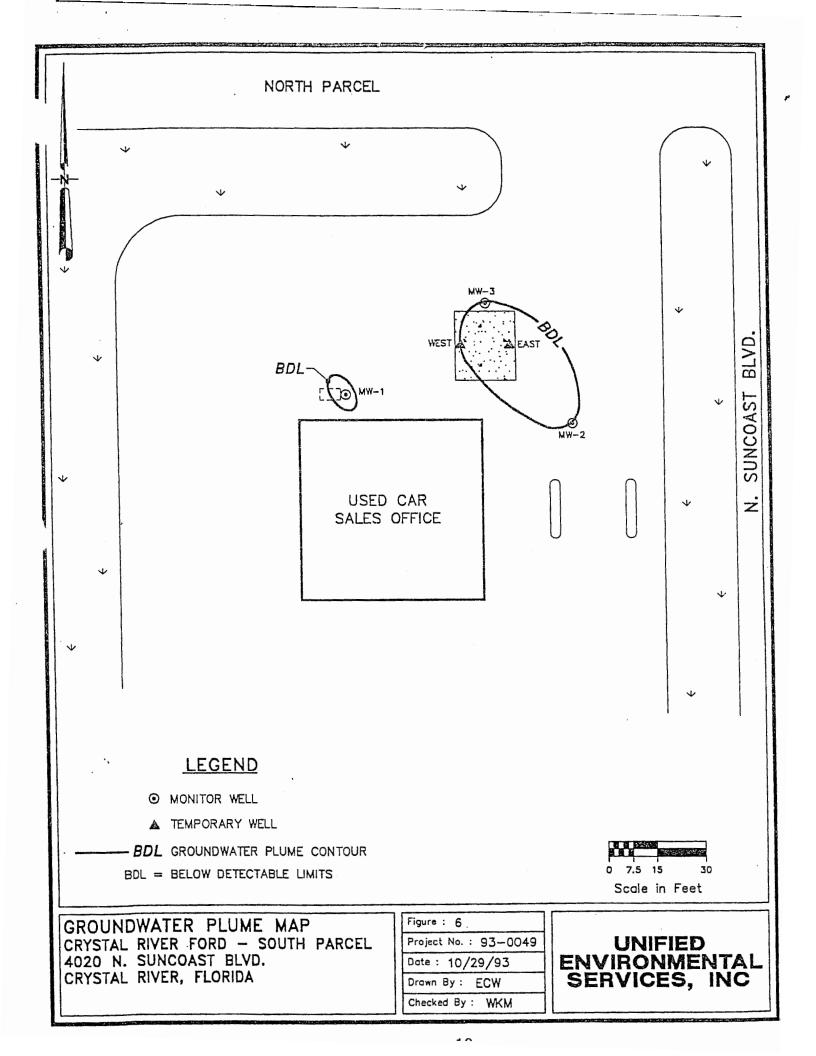
#### SUMMARY OF GROUNDWATER ANALYSES (parts per billion)

	Location	BEN.	T.VOA	MTBE	601	EDB	PB	AR	CD	CR	625	
•	Temp-WEST	<1	< 5	< 5		<del></del>			<u>-</u> -			
	Temp-EAST	< 1	< 1	< 1		<del>_</del>						
	MW-1	< 1	< 1	<1	<1	<.02	.03	. 11	. 02	2.15	< 1	
	MW-2	< 1	< 1	<1	<1	<.02	.11					
	MW-3	< 1	< 1	< 1	<1	<.02	.66					

NOTE:

- 162

All results are expressed in parts per billion (ppb), with the exception of the metal analyses. Metals are expressed in parts per million. BEN-Benzene, T.VOA-Total Volatile Organic Aromatics, KDB-Ethylene Dibromide. MTBE-Methyl Tert Butyl Ether PB-Lead AR-Arsenic CD-Cadmium CR-Chromium 601- E.P.A. Method 601 analyses (SOLVENTS) 625- E.P.A. Method 625 analyses (Base Neutrals/Acid Extractable)





• •

### UNIFIED ENVIRONMENTAL SERVICES, INC.



#### TABLE 2

#### Gulf Coast Ford 4020 N. Suncoast Blvd. Crystal River, Citrus County, Florida

#### SUMMARY OF SOIL SCREENING (parts per million)

Sample Location	Depth	Hydrocarbon	Methane
MH-1	0-12	<1	<3
MW-2	0-12	< 1	<1
MW-3	0-12	<1	< 1
SB-1	0-7	< 10	<1
SB-2	0-7	<10	<1
SB-3	0-7	<10	<1
SB-4	0-7	<10	<1
SB-5	0-7	< 10	<1
SB-6	0-7	< 10	<1
SB-7	0-7	< 10	<1
SB-8	0-7	< 10	<1

Note: All results are expressed in parts per million and were obtained with a calibrated, Foxboro, Model 108, Organic Vapor Analyzer. Depth is given in feet.





observed waste oil affected soils had been documented in the Closure Assessment as being restricted to the 0.50-1.0 feet in depth. Groundwater depth is approximately 7 feet.

#### 3.4 SOIL CONTAMINATION ESTIMATE

The screening of the soils was accomplished to approximately 12 feet in depth to the north, south and west (MW1-3) of the old gasoline tank area and to approximately 7 feet in depth in soil borings no. 1-8. Screening of the soils in all soil screening episodes revealed that no hydrocarbon contaminated petroleum affected soils were encountered. Previously, 191 tons of excessively and contaminated soils were removed and disposed during the IRA activities. Table 2 presents a summary of the soil screening results and Figure 5 presents the locations of the soil borings.

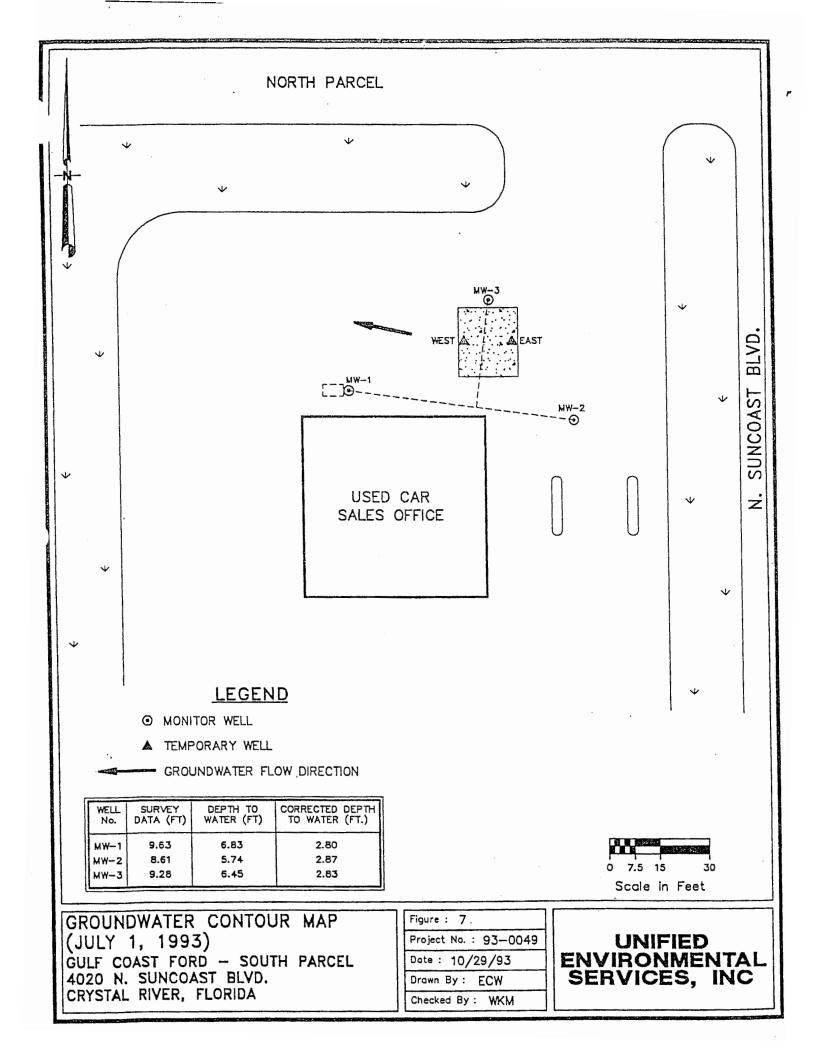
#### 3.5 GROUNDWATER ELEVATIONS

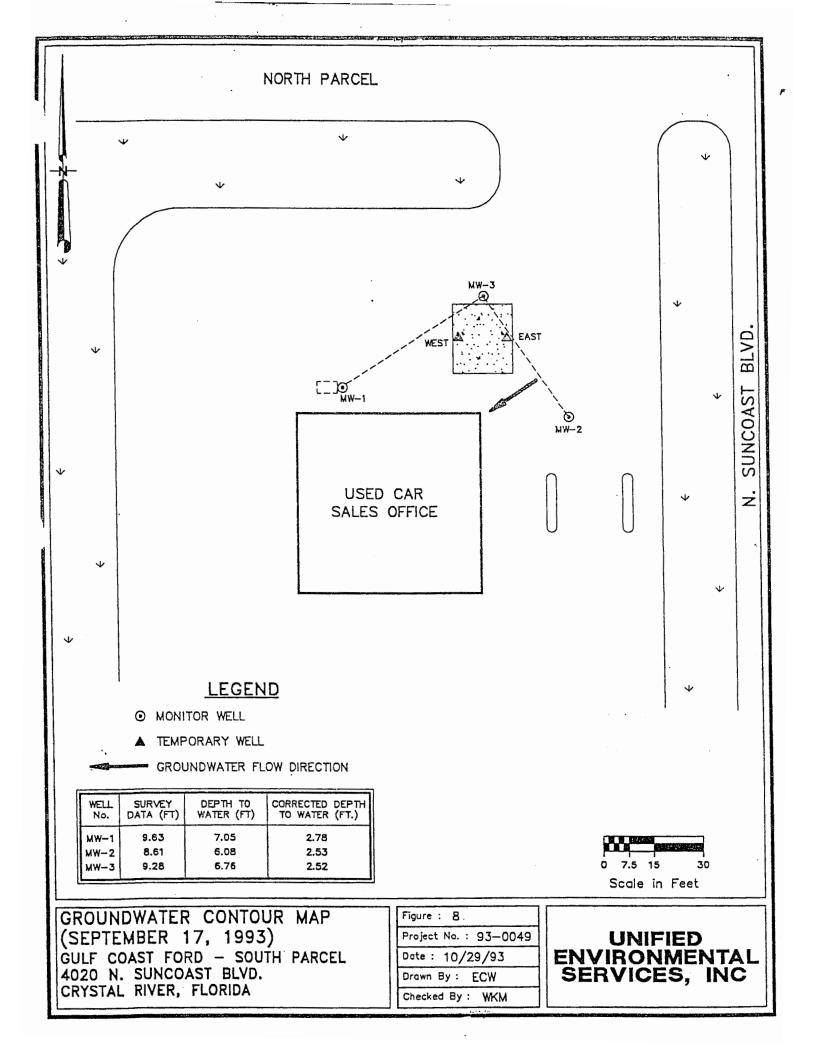
On July 1 and September 17, 1993, groundwater elevations were obtained. The top of casings had previously been surveyed to a common benchmark and depth to groundwater was obtained from monitor wells no. 1-3, with the data presented in tabular form on the figures. As seen by Figures 7 and 8, the groundwater flow direction varies and flowed to the west and southwest, for the respective dates. Hydrualic gradient (i) was calculated by utilizing the hydraulic difference between MW 1 and 2. The distance is approximately 70 feet, with a hydraulic difference of 0.03 feet. With i=g/d, a hydraulic gradient of 0.0004 ft/ft was estaimated. With the close proximity to the canal to the west and a wetlands to the east, shallow aquifer conditions may be influenced tidal and precipitation.

#### 4.0 CONCLUSIONS

Groundwater quality impact appears to be low, with dissolved lead detected above allowable concentrations. Petroleum contaminated soils or free product were observed to not exist. Groundwater flow directions appears to be to the west-southwest, with a hydrualic gradient of approximately 0.0004 ft/ft. Due to presence of low level dissolved lead in the groundwater, it is recommended that a Monitoring Only Plan (MOP) be implemented for one year.

----









Monitor wells no. 1-3 are recommended for Quarterly E.P.A. Method 602 and 239.2 groundwater analyses. Listed below are the sampling and reporting schedule for this MOP recommendation.

1st Quarter: Sample- 3/28/94 2nd Quarter: Sample- 6/28/94 3rd Quarter: Sample- 7/29/94 4th Quarter: Sample 12/28/94 Yearly report: Submittal on 1/28/95

#### 5.0 REFERENCES

Environmental Geology and Hydrogeology of the Ocala Area, Florida 1991, FGS, Lane and Hoenstine

Hydrogeologic Framework: Special Publication No. 32, 1991, F.D.E.R., F.G.S., F.D.N.R.

-17-

Applied Hydrogeology, 1989, Fetter Jr.

Flo a Department o Twin Towers Office Bidg. • 2600 Biair			87)
Division of V Bureau of Petro	Waste Management oleum Storage Syste		
Storen Tark Facility		esting Depart	· · · · ·
Storage Tank Facility C	compliance insp	ection Report	
Facility ID 8518715 County 091	CITRUS	Inspection Dat	e 9/13/00
Facility Name GUG COAST FORD	>	Facility Type [	C-USER
Latitude 28° 55' 12" Longitude 82	° 36' 40"	L/L Method	A-GPS
Check box to identify type of inspection performed. Update latitude/long Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	itude as necessary. "GGPS" (Trimble)).	# USTs Inspected	# ATSs Inspected
Compliance Inspection (Annual) TCI	Installation Inspec	tion	TIN
Compliance Inspection (DRF received) TCDI	Closure Inspection		TXI
Compliance Inspection (Complaint received)         TCPI           Discharge Evaluation ("short form")         TDI	Compliance Re-In:	spection lts of the TDI in a <i>Discha</i>	TCR
"Code" in block below corresponds to the Rule Cite; represents a Data Entry Code			
Bute Cite Description / Inspector's Comme		a recording of hispection resul	Code
		0 00 - 4	1
Usual check a			interstice,
	0	nd the di	spenser
liner. Be Su	reany	Conditio-	-Snoted
during the Ma	softly a	Clecks a	re recarded
in the log.		<u>\</u>	
Citille the time	e of t	Lis inspe	chin
these was to	8-10 in	Joles of	liaurd
En 2 Contraction of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		pensel lin	
Financial Responsibility - Verify owner's coverage. Select Insurance	-		
X Insurance Carrier: C+I	Effective Date: 1/	24/2000 Expiration I	Date: 1/24/2001
Other Coverage meeting federal financial responsibility requirer			· ·
None			
Based upon the inspection results and information provided by the o Florida Administrative Code 62-761 Yes A re-inspection will be scheduled on or after days to verify corre		CWOE - Compliance w	
CITRUS CNTY, ENV. HEALTH	352-527.	5295	
Storage Tank Program Office	Storage Tank Program	Office Phone Number	
C. MARK SUMMER	Facility Representative	Name – Please Print	
" Marke Sun 9/12/m	Run H	han	5-13-00
Linspector Signature & Date	Facility Represent	tative Signature & Date	2

Page ____ of ____

Florida Department of Environme I Protection & Bureau of Petroleum rage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: GULF COAST FORD Facility ID: 8518715 Date: 9/13/00 .

e Cite	Description / Inspector's Comments
Comments	Have the liquid removed with in 7
CONT.	days and if it has any sigs of
	days and if it has any sigs of Contamination (example sleen) be
	Sure H is properly disposed of.
	The tank intel stice is monitored
	Continuously by a pop up" float
	Gauge that indicates no liquid inthe
	Intersticic Space.
	The integral pipe is all above ground
	and is protected from Syphan by annexes Solenoid value mounted
	on top of the tank.
	fill area is painted in accordance
	with API 1637 and is equipped
· ·	with a spill bucket.
	An RDRL 15 on file at the
	facility.
	•
L	

Page 2 of 2



Jeb Bush Governor

September 13, 2000

Mr. Dennis Morgan Nick Nicholas Ford P.O. Box 639 Inverness, FL 34451

> RE: ID # 098518715 Gulf Coast Ford 2440 N.W. Hwy 19 Crystal River, FL 34428

Dear Mr. Morgan:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Enclosed, please find a copy of the Storage Tank Facility Compliance Inspection Report for the inspection recently performed at the above named facility. Please refer to this report for comments regarding the inspection.

If there are any questions concerning this matter, you may contact the Storage Tank Program at (352) 527-5295.

Sincerely,

C. Mark Sumner Environmental Specialist II

Enclosure(s)

CMS/file

CITÉUS COUNTY DEPARTMENT OF HEALTH ENVIRONMENTAL HEALTH DIVISION

STORAGE TANKS INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316



M

LDEL PICHT

This data is current as of: 12-SEP-2000

#### Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information

ID#: 8518715 Name: GULF COAST FORD INC 2440 Nw Hwy 19 Crystal River, FL 34428-6321 Contact: Nick Nicholas & Bill Buckner Phone: 352-795-7371 District: SWD County: Citrus Type: Fuel User/Non-Retail Status: Open Latitude: 28:55:12.0000 Longitude: 82:36:40.0000 LL Method: AGPS

C

Ρ

O R

Κ

Α

I K

В

F Q 4

Account Owner Information Name: Nicholas, Nick & Taylor L E

Po Box 639 Inverness, FL 34451-639 Phone: 904-726-1231

Tank Owner Information

Name: Nicholas, Nick & Taylor L E Po Box 639 Inverness, FL 34451-639 Phone: 904-726-1231

#### Tank # Size Content Installed Placement Status Const Pipe Monitor

5 2000 Unleaded Gas 12/01/1997 ABOVE U

 1
 6000 Unleaded Gas 07/01/1971 UNDER
 B

 1R1
 3000 Unleaded Gas 05/01/1987 UNDER
 B

 2
 6000 Leaded Gas 07/01/1971 UNDER
 B

 3
 3000 Leaded Gas 07/01/1971 UNDER
 B

 4
 3000 Leaded Gas 07/01/1971 UNDER
 B

4 SOOD Leaded Gas ONOTITS/I ONDER B

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found! ÷





May 1, 1999

Ms. Nancy Knight FDEP-Tanks Section Tampa, Florida

RE: Groundwater Quality Assessment Gulf Coast Ford 2440 North Suncoast Boulevard Crystal River, Florida FDEP#(098518715)

Dear Ms. Knight:

At the request of Mr. Nicholas, another groundwater sample was obtained from the temporary well in the former underground gasoline tank area that previously exhibited 16 parts per billion of benzene in December 1997. On February 5, 1999, the groundwater was purged five well volumes from the temporary well and sampled under UES approved Comphrensive Quality Assurance Plan No. 920085. Results of the EPA Method 602 groundwater analyses from the temporary well indicates below detectable levels and clean groundwater for tested analytes. Enclosed is Attachment A is a copy of the February 1999 groundwater analytical reports.

Based on the findings of the soil and groundwater testing and based on current groundwater quality at the previous area of concern, a No Further Action status is requested for the former underground tank area and facility.

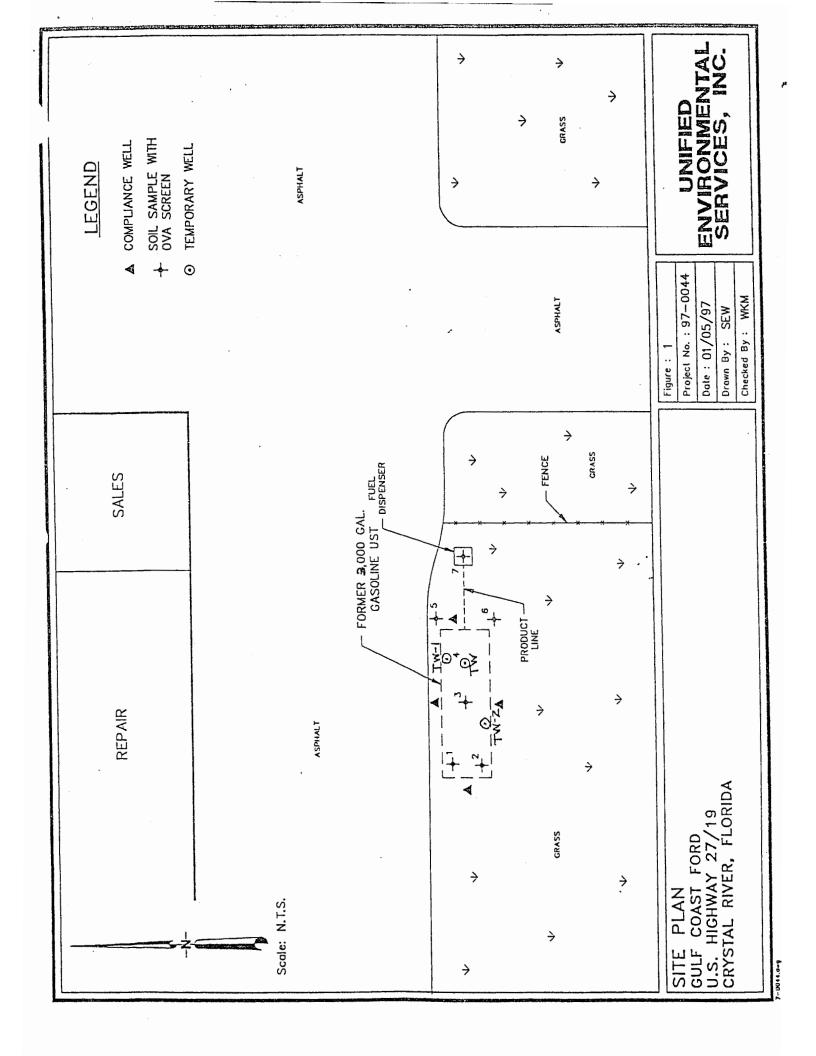
Please contact me with any questions at the telephone number listed below.

Respectfully Submitted.

Keith McDonald

Reg. Fl. Geologist P.G.# 001523

cc: Mr. Nick Nicholas-GC Ford



EP. METHOD 602

Alpha Analytics, Inc. (407)-382-5742

Equip Blank Method Blank 9902013-2 9902013-3 2/5/99 NA 2/11/99 2/11/99 1 1 Liquid Liquid ug/L ug/L	U0.1 U0.1 U0.1 U0.1 U0.1 U0.1 U0.1 U0.1
• <b>MW-1</b> 9902013-1 2/5/99 2/11/99 1 Liquid ug/L	N 01 N 01 N 01 N 01 N 01 N 01 N 01 N 01
Client I.D. Alpha I.D. Date Sampled Date Analyzed Dilution Factor Matrix Units (ppb)	Benzene Toluene Chlorobenzene Ethylbenzene Total xylenes 1,2-Dichlorobenzene 1,4-Dichlorobenzene MTBE MTBE

1

The qualifier "U" denotes that the analyte was not present at the limit of detection shown. Because of interferences sometimes present in environmental samples, the limit may be higher than the published "Method Detection Limit", which was written for pure water. Most often, a higher detection limit will directly reflect a dilution factor.

Alpha Audylics       CHAIN-DATA Audylics       CHAIN-DATA Audylics         Baste E. Colonal Dr. Satti Baste E. Colonal Dr. Satti (a) 382-572 - Fax (dn) 382-178       CHAIN-DFL       CHAIN-DFL         Chainer Dr. Satti (a) 382-572 - Fax (dn) 382-178       CHAIN-DFL       CHAIN-DFL       CHAIN-DFL         Chainer Dr. Satti (a) 382-572 - Fax (dn) 382-178       CHAIN-DFL       CHAIN-DFL       CHAIN-DFL         Chainer Andrean       Anter Chainer Andrean       CHAIN-DFL       CHAIN-DFL       CHAIN-DFL         Alpha Antrial       Anter Chainer Andrean       Anter Chainer Andrean       CHAIN-DFL       CHAIN-DFL         Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Anter Chainer Chainer Anter Chainer Anter Chainer Anter	- Jo		DEP FACILITY 1D #			() BEMARKS	TEMPORALY WEILIN	Former GAS UST	Area.						(1) COOLER TEMP			
Alpha Analytics     GHAN-OF-L       9645 E. Colonial Dr. Suite 114     CHAN-OF-L       (01302, Florida 23817     CHAN-OF-L       (1120, 1322, 1326, 1331, 1331     CHAN-OF-L       (1120, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331, 1331,	Page /	CONTACT PERSOUPHONIN INVOIDE	CONTACT PERSONPHONE # REPORT		NO BUSIC							· ·			(2) ADDITIONAL REMARKS		3 Lind Mark	SAMPLER'S SIGNATURE
Alpha Analytics 9645 E. Colonial Dr. Suite 114 Orlando, Florida 32817 (407) 382-5742 · Fax (407) 382- EFO: Formany and Individual) NAL REPORT TO: (Company and Individual) NAL ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO: DAAJ ADDITIONAL REPORTS SENT TO:	CHAIN-OF-L	SS (City. State, Zip) DC	SS (City, State, Zip)		O CLIENT PROJECT	SAMPLE DESCRIPTION SAMPLE DESCRIPTION	1 Gounduater	•							DATETIME (6) ACCEPTED BY	161		
2 2nd 2 2nd 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Alpha Analytics 9645 E. Colonial Dr. Suite 114 Orlando, Florida 32817 (407) 382-5742 • Fax (407) 382-7195	151 V. SPINICES	AEPORT TO: (Company and Individual)	() (OPTIONAL) ADDITIONAL REPORTS SENT TO: ADDRES	- 1- 1-1	DATE/TIME	599 13:40	SQ B1K		· ·						Kont Mchiel		3rd



Project No. 97-0044

#### TANK CLOSURE ASSESSMENT REPORT AND LIMITED CONTAMINATION ASSESSMENT REPORT for

Gulf Coast Ford 2440 North SunCoast Boulevard Crystal River, Florida

> F.D.E.P.# 098518715 December 1997

Prepared For:

Mr. Nick Nicholas Owner

Keith McDonald

Reg. Fl. Geologist

2-10 -98 1007 Chambord Court • Orlando, Florida 32825 • (407) 382-8126





#### Introduction

At the request of the J&J Equipment, Inc. on December 22, 1997. Unified Environmental Services, Inc. (UES) performed soil screening during the removal of an underground, gasoline tank located at 2440 North SunCoast Boulevard (Hwy. 19) in Cyrstal River, Citrus County, Florida. Screening of the soils at the former dispenser and tank area was performed at one intervals in depth. One temporary well was also installed and sampled for gasoline constituents.

After analyses of the groundwater was received, low level benzene was detected above site rehabiliation levels. In response to this and after discussion with Citrus County and the FDEP in Tampa, Florida, additional activities were requested. Two temporary wells and groundwater analyses for EPA Method 602 and 610 constituents was accomplished and one composite soil sample for Fl Pro Total Petroleum Hydrocarbons was obtained. All environmental activities were accomplished under UES 's approved ComQAPP No. 920085. This report dicusses the findings of these investigative activities.

#### Tank Removal Activities

On December 22, 1997, the removal of one 3000 gallon, underground, single-walled steel tank that utilized suction was accomplished by J&J Equipment, Inc. The tank appeared to be in excellent structural condition. The tank was cleaned onsite and disposed as scrap steel. A copy of the tank removal form, registration, tank disposal and product disposal manifest are provided in Attachment A.

#### Soil Screening Activity

On December 22, 1997, the tank closure assessment activities involved boring and screening the soils at one foot intervals in depth at the dispensers, product line and tank area to the groundwater. This activity was performed by a UES Professional Geologist, utilizing a 3.5 inch diameter, stainless steel hand auger and a calibrated, Foxboro, Model 108, Organic Vapor Analyzer (OVA). During use of the OVA, both a particle and activated charcoal filter were placed over the OVA pump intake, to discern between the presence of hydrocarbons and methane gases. Soils were placed into two separate 16 oz. glass mason jars and immediately covered with aluminum foil. Decontamination between soil samples was accomplished with a soap/water scrub and clean water rinse. A Citrus County/FDEF representative was present for these activities.





Results of the screening episode can be found in Table 1 and Figure 1 illustrates a site plan and the soil boring locations. As seen by the OVA results, no excessively contaminated soils were observed. The greatest soil screening value observed was 2 parts per million located at soil boring no. 4, where the product line, vent line and fill entered the tank. Groundwater was encountered at approximately 7 feet in depth.

#### Groundwater Quality

Following the removal of the underground tank, one 2 inch diameter, temporary monitor well was installed at soil sample location no. 4. The well consist of 5 feet of 0.010 inch slotted screen and 5 feet of riser. The well was sand packed, developed and sampled for EFA Method 602 constituents.

Results of the groundwater analyses are presented in Attachment B. Benzene was detected at 16 parts per billion and Total Volatiles were detected at 357 parts per billion. Regulatory site rehabiliation levels for benzene and Total Volatiles are 1 and 50 parts per billion, respectively.

#### Closure Assessment/Discharge Reporting Form

Enclosed in Attachment C is a copy of the Closure Assessment and Discharge Reporting Forms for the facility.

#### LIMITED CONTAMINATION ASSESSMENT

In response to the detected low level groundwater quality impact from hydrocarbons, two additional temporary monitor wells were installed. The additional wells also consisted of 5 feet of 0.010 inch slotted screen and 5 feet of solid riser. The annular space in the borehole was sand packed and the wells developed on January 7, 1998. The wells are grouted at land surface and have water-tight plugs. During installation of the two additional wells, the soils were screened with the OVA and one composite soil sample obtained for FL FRO Total Petroleum Hydrocarbon analyses. The composite soil sample was obtained from temporary well location no. 1, between 4-7 feet in depth. Also wellhead elevations and depth to groundwater was obtained on January 8, 1998, from the wells prior to purging and sampling. Fresented below are the findings of these investigative activities.





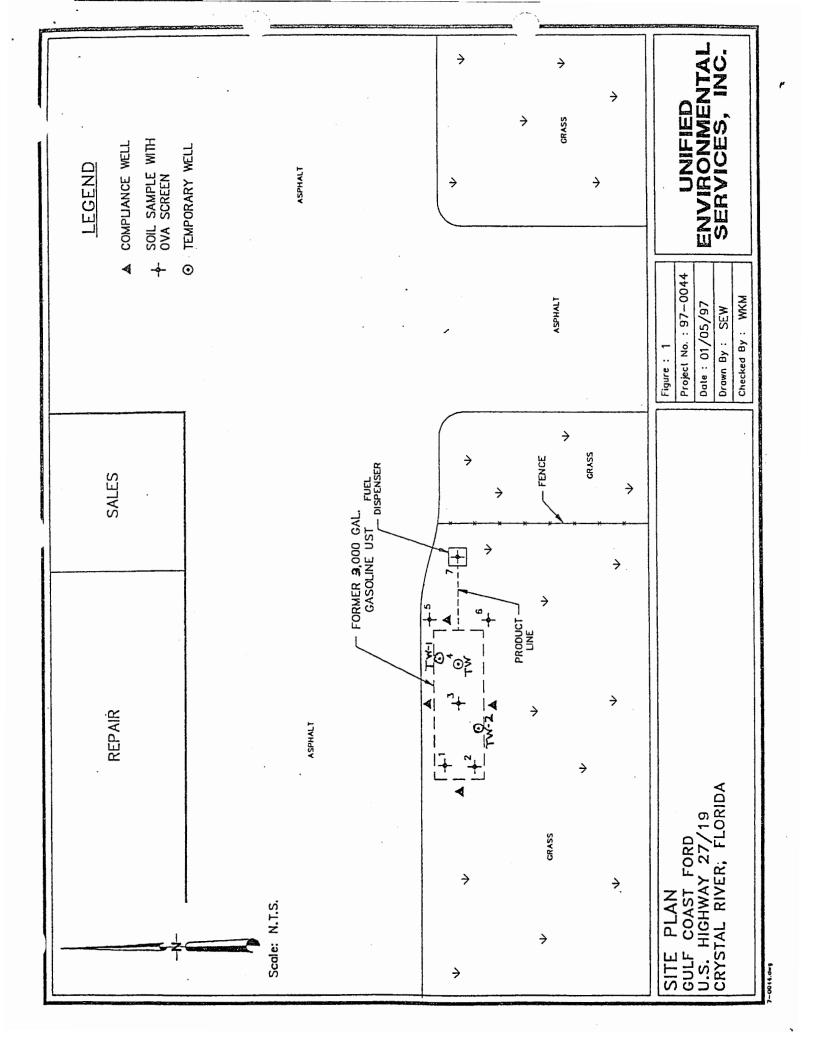
#### TABLE 1

#### Texaco Food Mart 7593 W. Grover/Cleveland Blvd. Homossassa, Florida

#### SUMMARY OF OVA RESULTS (parts per million)

<u>Soil Sample</u>	Depth	Total Value	Methane	Hydrocarbons
1 1	0-6 6-7	Tank ~5	~5	<1
2 2	0-6 6-7	Tank <1	<1	< 1
3 3	0-6 6-7	Tank <1	<1	<1
4	0-6 6-7	Tank ~11	~9	~2
5	0-7	< 1	<1	< 1
6	0-7	<1	< 1	<1
7	0-7	<1	<1	< 1
TMW-1	0-7	<1	< 1	<1
TMW-2	0-7	< 1	<1	<1

NOTE: Depth is presented in feet below land surface, with the greatest value observed in the sample interval presented. TMW: Temporary Monitor Well.





UNIFIED



#### Soil Quality

Results of the soil screening with the OVA are presented on Table 1 and Figure 1 presents the location of the two additional temporary wells. All soil screening values for the two additional wells indicated less than 1 part per million of hydrocarbons were present. The composite soil sample analyses obtained from temporary well no. 1 indicates 9.1 part per million of Total Petroleum Hydrocarbons. A copy of the soil sample (ss-1) analyses is presented in Attachment D.

#### Groundwater Quality

Results of the groundwater quality analyses indicates that all EPA Method 610 constituents are below detectable levels. Temporary well no. 2 also exhibited below detectable levels for EPA Method 602 constituents. Temporary well no. 1 exhibited 11 parts per billion of Toluene and 8 parts per billion of Total Xylenes. Results of the groundwater analyses can also be found in Attachment D.

#### Conclusions

Low level groundwater quality impact was initially observed during Closure Assessment. Due to aeration, dilution, dispersion and natural biodegradation, subsequent groundwater quality analyses via two additional wells indicates acceptable site rehabilitation levels have been acheived. Soil quality indicates acceptable levels. No human receptor were observed within a 0.50 mile radius of the site. A No Further Action status is requested for the site.

Post Fax N	ote 7672	1.0 Maran :	No. O Pages	Today: Data	Ferrer	
TO DAVIL	Chrowister		From the	Nicholas	/0	
Company	e generalista en la composición de la composición de la composición de la composición de la composición de la c		Company	10120 0 100 5	· · · · · · · · · · · · · · · · · · ·	
Location		, . <del>.</del>	Location	Dept. Charge		$a \sim 0^{00}$
Fax #	Telaphone #	• ······ • · · ·	Fax #	Teleptons #	•	THE BE
Come		·	Orginal	Destroy		
••••••	<b>.</b>		Disposition:	Destroy Ritum	Call for pickup	Sol Marine
ter ter ter ter ter ter ter ter ter ter		• • • • • • • • •		· • ·		
	· -· · · · ·					
	, .					
			and a state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the			
;				1.20100 12140	10.002 1.00	
1 Martin Contraction				CAR Pour & UP.781.0		
Flor	<b>ida D</b> epartment (	of Environ	nmental Regula	ston man server	Forman Fran	
141. Why & Twin T	DWITE OFFER HUL 2000 11	al Stone Rund	Tilishassee, Florida 323	P9-2400 Laure Mr. Dragma	er 10, 1980	
TO NOT	:			STA Approxime Harris	WANG W BY BLAY	
	Discha	arria Re	porting For	***		
	Biddild	ngo i ic	porting rol	883		
a this form to shill the	e Department of Environment	lat Déstilation a	ł.			
		- ,		-*.		
	while bessers licht privat see:					
	exceeding 25 gallons on pensi					
. Mazadaus subsignes ans working day of t	(CERCLA loguisiod), dischai he discovery.	1993 22090 <b>0119</b> #	opcilcable reponsible quer	diss exclused in 17.781.	450(2) F.A.G., within	
The fight for the area.	(a) unusual and unaxplained	ຮັບເລດອ ສາກມວກ ຄ	2018000 12005003 (11) 77	COCORD PROVIDE SHOWER IN LOC	it distantian mathematic	••
	a second that indicate a r n gallons per weakly test or	6:23.38 MAY NW	a DOCUMENT. OF (CD manual	tank on marke for t	anka of 550 gallona	
	Mail to the DSR District C	)ilisə in your an	a listed on the reverse s	ರೂ ವ ಕಾಟ form		
		PLEASE PRIN				
		Complete ell ap	<i>d</i> ¹	. 1	-5-98	
L Iny ID Numi	Dor: 098518715	A	Number:	a Dela:	-3-78	
Facking Nama:		Ford			1999-1999-1999-1999-1999-1999-1999-199	
Facility Owner or Ope	Prator: NICK N	<u>ichalas</u>			والفادا التي وحدورة والمستحق ال	
Facility Address:				HARWET, FL	34428	
Telephone Number: C	352 5726-123	County:	CITRUS			
Mailing Address:	P. 0. Bux 639	•	-	34451-0639	· · ·	
		1-2-98				
	nearly or discovery:	1-4 70	<del>الل</del> يب		monih/day/year	
	wery (circle one only)	Providence and t		· into at a -Fact		
A. Liquid deloctor (au B. Vepor datactor (au	-	Emptying and I inventory contra		n crviaible signs d a clad Ane: <u>Gw Results</u>		
C. Tightness test (und			A. Oth			. '
Estimated number of	callons discharged:			•		:
	system has leaked? (circle all	(hat apply)	A. Dispenser B. Pipe	C. Fitting D. Tan	k EUnknown	:
• • • •	•					:
A leaded gasoline	stance dischargod, (circle on Q. vehicular diasal	L used/waste	oli V. hazardous s	ubstance includes pest	icides, ammonia.	
(B) unleaded gasoline	F. aviation gas	M. diesel	chiorina and c	lerivatives (write in name or	Chernical Abstract	
C. gasohoi	G. jet fuel	Q newlubs o	Z. other (write is	number)		1
				1 / Marina		l.
Cause of leak. (circle : (A) Unknown C.		Inclura	G. Spill	Other (specify	A	
		calletion failure				i
Type of linencial respo						
A Third party insuran	ce provided by the state inst	urance contacts	or C. Not applicable			÷
B surance purs	usni to Chapter 17-769.500 F		D. None			
To sat of my kn	newisége and belief all inf	ermetion subm	uitted on this form is tr	ue, securate, and comp	dele.	l I
Nick N	ucho las		Silt	The		
Printed Name of Own	er, Operator or Authorized Re	presentative	Signature of Own	x, Operator or Authorized	Representative	-
2	* u		-			

)



# Department of Environmental Protection

Lawton Chiles Governor Twin Towers Office Building 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Virginia B. Wetherell Secretary

May 28, 1997

Mr. Dennis Morgan Nick Nicholas Ford, Inc. Post Office Box 639 Inverness, Florida 34451-0639

> RE: Nick Nicholas Ford 2901 U.S. Highway 44 West Inverness, Florida DEP Facility #098626580

Dear Mr. Morgan:

The Bureau of Petroleum Storage Systems has reviewed the Contamination Assessment Report (CAR) and No Further Action Proposal (NFAP), dated March 22, 1997 (received April 7, 1997), submitted for this site. Documentation submitted with the NFAP confirms that criteria set forth in Rule 62-770.630(3), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the site, except as set forth below.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentrations to the levels approved through review of the NFAP or otherwise allowed by Chapter 62-770, F.A.C.

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have the right to challenge the Department's decision. Such a challenge <u>may</u> include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 62-103, F.A.C., you may request an extension of time to file the Petition. <u>All requests for extensions of time or</u> <u>petitions for administrative determinations must be filed</u> <u>directly with the Department's Office of General Counsel at the</u> <u>address given below within twenty-one (21) days of receipt of</u> <u>this notice (do not send them to the Bureau of Waste Cleanup)</u>.

Notwithstanding the above, a person whose substantial interests are affected by this Site Rehabilitation Completion Order may petition for an administrative proceeding (hearing)

*Protect, Conserve and Manage Florida's Environment and Natural Resources*

Mr. Dennis Morgan May 28, 1997 Page 2

in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at the Douglas Office Building, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the Department file number (DEP facility number), and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
  - (d) A statement of the material facts disputed by each petitioner, if any;
  - (e) A statement of facts which each petitioner contends warrant reversal or modification of the Department's action or proposed action;
  - (f) A statement of which rules or statutes each petitioner contends require reversal or modification of the Department's action or proposed action; and
  - (g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action.

This Site Rehabilitation Completion Order is final and effective on the date of receipt of this Order unless a petition (or time extension) is filed in accordance with the preceding paragraphs. Upon the timely filing of a petition, this Order will not be effective until further order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, Douglas Office Building, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Please be advised that mediation of this decision, pursuant to Section 120.573, F.S., is not available.

Mr. Dennis Morgan May 28, 1997 Page 3

The DEP Facility Number for this site is 098626580. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Michael J. Bland at (904) 921-9024. Contact with the above named person does not constitute a petition for administrative determination.

> Sincerely, M. R. J. L. M.

John M. Ruddell, Director Division of Waste Management

JMR/mjb

cc: Keith McDonald, Unified Environmental Services - Orlando Laurel Culbreth, DEP Southwest District Office Dick Sosna, Citrus County Fire Prevention Bureau

#### P.G. CERTIFICATION

#### NFAP for 098626580

I hereby certify that in my professional judgement, the components of this NFAP satisfy the requirements set forth in Chapter 62-770, F.A.C., and that the geological interpretations in this report provide reasonable assurances of achieving the assessment objectives stated in Chapter 62-770, F.A.C.

I personally completed this review.

This review was conducted by XXXXXXX working under my direct supervision.

MICHAEL PROFESSIONA LICEN Michael J. Bland, P.G. NO. 1326 Professional Geologist Administrator Petroleum Cleanup Section 4 GEO

Date

Site No. 100 Shell - Seven Rivers (aka Texaco #242030614) 6164 N. Suncoast Boulevard Crystal River, Florida FDEP I.D. No. 098842367 EPA I.D. No. FLD984180067

FLORIDA	Twin Towers Office	: Bldg. • 2600 Blair Division of Bureau of Petr	Waste Management oleum Storage Syste	ssee, morida 32399-2400 S <b>ms</b>		[70]
	Storage T	Cank Facility (	Compliance Insp	ection Report		
Facility ID	2367 0	County 09	CITRUS	Inspection Date	4/19/	01
Facility Name SHE	IL SEVEN	RWERS		Facility Type	A-RET	416
Latitude 28°	<b>τ</b> 'υ[" Ι	ongitude 82	2°37 '35"	] L/L Method [	A-Gps	;
Check box to identify type of ins Provide Lat/Long Determination Provide the count of USTs and/o	Method. ("Map", "A	AGPS" (Magellan),	gitude as necessary. "GGPS" (Trimble)).	# USTs Inspected 4	# ATSs Inspected	
Compliance Inspection (Ann	ual)	TCI A	Installation Inspec	tion	TIN	
Compliance Inspection (DRF		TCDI	Closure Inspectior		TXI	
Compliance Inspection (Com		TCPI	Compliance Re-In		TCR	X
Discharge Evaluation ("short	form")	TDI	** Record the resu	ults of the TDI in a Dischar	ge Project	
"Code" in block below corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the corresponent of the	Description / Ins			ta recording of inspection result		Code
	See	pm	E H	-A		
	60	r Co	d MMe	nts.		
· · · · · · · · · · · · · · · · · · ·						
Financial Responsibility – Ver Insurance Carrier: Other Coverage meetin None	GREAT AN	MERICAN	Effective Date: _/			2
Based upon the inspection res Florida Administrative Code A re-inspection will be schedul	62-761.	🔆 Yes		CWOE - Compliance wi		
CITRUS ENVIRO Storage Tank Program Office	NMEWTAL SUMAER	HEACH	352-57 Storage Tank Program	27-5289 Noffice Phone Number		
Inspector Name - Please Print	ime		Facility Representative Bellu	e Name - Please Print	>	
Inspector Signature & Date	<u></u>	مالد از از میکند. بالای از از میکند میکنور از این از میکنور میکنو	Facility Represen	tative Signature & Date		

	1		$\cap$
Page _	1	_ of	£
			•

Florida Department of Environn tal Protection Sureau of Petroleun torage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: SHELL SEVEN RIVERS Facility ID: 8842367 Date: 4/19/01

• Cite	Description / Inspector's Comments
· ·	Volume in tanks is maintained
	at a level that allows the TLS 350
	TO Perform a passing tunk test
	at least once a month.
·	See print out for 4/19/01 Tank
	tests all 4 PASS
	X Be Sure to keep tapes
	for Passing Tank and line
	tests To be reviewed during each MA annul Tank Compliance
	each MA annul Tank Compliance
	inspection. X
·	
	Vext Compliance in spection, Vill Le saled del grand 04/2002
	VIII Le scledulet avand 04/2002
	Violation # 86 Release detection performed monthly has been
	pertormet monthly has been
	Corrected.
L	

Page 2 of 2

data is current as of: 19-APR-2001 **'**1

×

Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information District: SWD ID#: 8842367 Name: SHELL SEVEN RIVERS County: Citrus 6164 N Suncoast Blvd Type: Retail Station Crystal River, FL 32629-6711 Status: Open Latitude: 28:57:01.0000 Contact: Tom Rushmore Phone: 352-629-0361 Longitude: 82:37:35.0000 LL AGPS Method:

Account Owner Information Name: Rushmore Ltd 109 Ne 9th St Ocala, FL 34428 Phone: 352-629-0361

Tank Owner Information Name: Rushmore Ltd 109 Ne 9th St Ocala, FL 34428 Phone: 352-629-0361

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor	
1	8000	Unleaded Gas	04/01/1988	UNDER	U	A F M O	C F J K	К G L 3 5	
2	8000	Unleaded Gas	04/01/1988	UNDER	U	A F M O	C F J K	K G L 3 5	YCMS
3	8000	Unleaded Gas	04/01/1988	UNDER	U	A F M O	C F J K	K G L 3 5	
	6000	Vehicular Diesel	04/01/1988	UNDER	U	A	С	3	

* >te: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D).

U

F

М

0

Open Violations

4

Insp DateViol Sig<br/>Numb LevelViolation Text01/24/200186BRelease Detection Performed At Least Once A Month

Most Recent Insurance Document

FR Type	Effective Date	Expiration Date	Company	Name
INSURANCE	11/01/1997	01/01/2002	COMMERCE &	INDUSTRY

End of Data for Facility #: 8842367

GROUNDWATER ELEVATION SUMMARY TEXACO FOOD STORE 6164 N. SUNCOAST BOULEVARD CRYSTAL RIVER, FLORIDA FDEP FACILITY NUMBER 098842367 ц Ц

Number         Elevation $9/1/94$ $6$ MW-1         98.25 $4.58$ $93.67$ MW-1         98.25 $4.58$ $93.67$ MW-2 $97.76$ $4.08$ $93.68$ MW-2 $97.94$ $4.14$ $93.69$ MW-3 $97.94$ $4.74$ $93.69$ MW-4 $98.43$ $4.74$ $93.69$ MW-5 $98.46$ $4.74$ $93.69$ MW-6 $98.43$ $4.74$ $93.69$ MW-7 $98.45$ $MM$ $MM$ MW-7 $98.38$ $NM$ $NM$ MW-7 $98.33$ $NM$ $NM$ MW-7 $98.335$ $NM$ $NM$ MO $NM$ $NM$ $NM$ <td< th=""><th>Monitor Well</th><th>Reference</th><th></th><th>•</th><th></th><th></th></td<>	Monitor Well	Reference		•		
9/1/94     9/1/94       N-1     98.25     4.58       N-2     97.76     4.08       N-2     97.94     4.14       N-3     97.94     4.14       N-4     98.43     4.74       N-5     98.46     4.81       N-5     98.51     NM       V-7     98.35     NM       N-1     98.35     NM       V-7     98.35     NM       V-7     98.35     NM       V-7     98.35     NM       V-7     98.35     NM       W-1     98.35     NM	Number	Elevation		-		
N-1     98.25     DTW       N-2     97.76     4.58       N-2     97.76     4.08       N-3     97.94     4.14       N-4     98.43     4.74       N-5     98.46     4.14       N-5     98.45     4.74       N-5     98.51     NM       N-7     98.35     NM       W-1     98.35     NM			9/1/94		11/23/94	
N-1     98.25     4.58       N-2     97.76     4.08       N-2     97.94     4.14       N-3     97.94     4.14       N-4     98.43     4.74       N-5     98.46     4.81       N-5     98.51     NM       N-7     98.35     NM       N-1     98.35     NM       N-1     98.35     NM       N-1     98.35     NM       M-1     98.35     NM       W-1     98.35     NM			DTW	GWE	DTW	GWE
N-2     97.76     4.08       N-3     97.94     4.14       N-3     97.94     4.14       N-4     98.43     4.74       N-5     98.46     4.81       N-5     98.51     NM       V-7     98.35     NM       W-1     98.35     NM	MW-1	98.25	4.58	93.67	4.72	93.53
N-3     97.94     4.14       N-4     98.43     4.74       N-5     98.46     4.81       N-5     98.46     4.81       N-6     98.51     NM       N-7     98.38     NM       N-1     98.35     NM       N-1     98.35     NM       N-1     98.35     NM       N-1     98.35     NM       M-1     98.35     NM	- MW-2	97.76	4.08	93.68	4.22	93.54
W-4     98.43     4.74       W-5     98.46     4.81       W-5     98.51     NM       W-7     98.38     NM       W-1     98.35     NM       W-1     98.35     NM       Image: State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat	MW-3	97.94	4.14	93.80	4.40	93.54
N-5     98.46     4.81       V-6     98.51     NM       V-7     98.53     NM       W-1     98.35     NM       W-1     98.35     NM       V-1     98.35     NM       V1     98.35     NM       W-1     98.35     NM       W-1     98.35     NM       W-1     98.35     NM       W1     98.35     NM       W1     98.35     NM       W1     98.35     NM	MW-4	98.43	4.74	93.69	4.92	93.51
V-6     98.51     NM       V-7     98.38     NM       W-1     98.35     NM       W-1     98.35     NM       W-1     98.35     NM       Image: State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	MW-5	98.46	4.81	93.65	4.98	93.48
W-7     98.38     NM       W-1     98.35     NM       W-1     98.35     NM       Image: State of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	MW-6	98.51	MN	WN	5.01	93.50
W-1 98.35 NM It measurements recorded in feet TW = depth to groundwater	MW-7	98.38	MN	MN	4.85	93.53
Notes: All measurements recorded in feet DTW = depth to groundwater	DMW-1	98.35	MN	MN	4.80	93.55
Notes: All measurements recorded in feet DTW = depth to groundwater						
All measurements recorded in feet DTW = depth to groundwater	Notes:					
DTW = depth to groundwater	All meas	surements re	corded in feet			
CIVIE - aroundurator elevation	DTW = d	epth to grour	ndwater			
GAVE - BIOUILUMARCI CIEVARIOI	GWE = g	proundwater e	elevation			

J

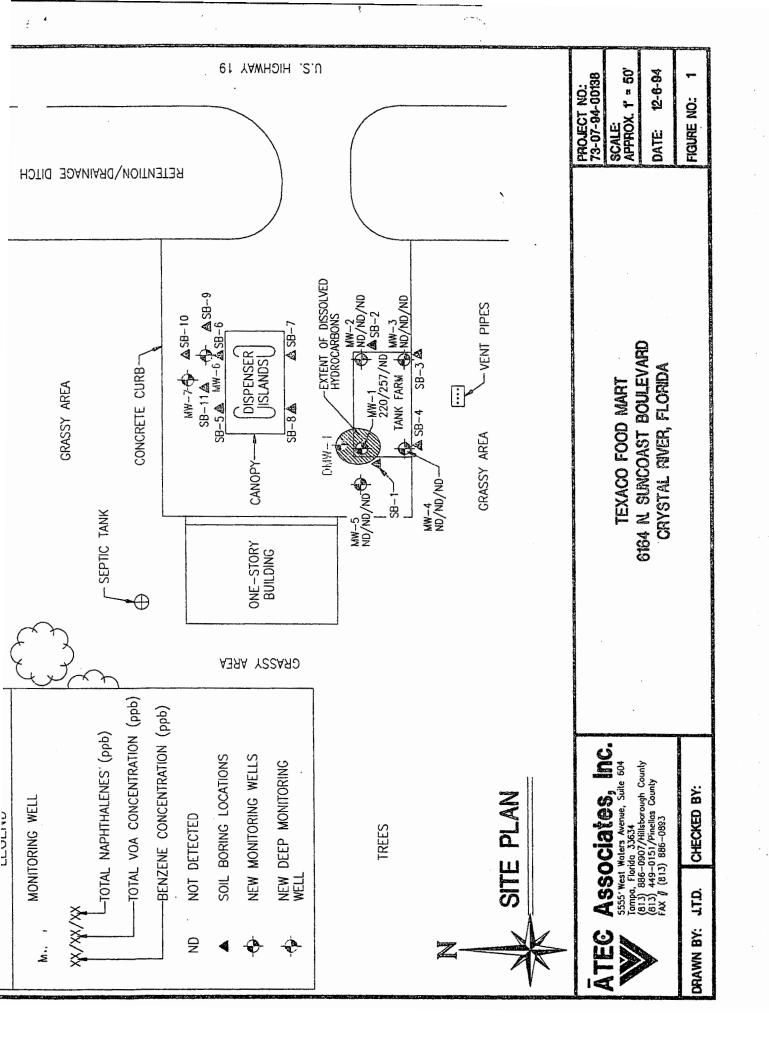
TABLE NO. 2Summary of OVA ReadingsTexaco Food Store6164 N. Suncoast BoulevardCrystal River, FloridaDEP Facility I.D. #098842367							
Soil Boring Location	Depth in Ft.	TOV (ppm)	Filtered (ppm)	Corrected (ppm)			
SB-1	1.5 2.5 3.5	70 120 130	20 15 20	50 105 110			
SB-2	1.5 2.5 3.5	100 180 840	65 60 200	35 120 640			
SB-3	1 2 3	ND ND ND	ND ND ND	ND ND ND			
SB-4	1 2 3	ND ND ND	ND ND ND	ND ND ND			
SB-5	1.5 2.5	65 74	32 20	33 54			
SB-6	1.5 2.5 3.5	800 >1000 >1000	200 420 340	600 > 580 > 660			
SB-7	1.5	ND	ND	ND			
SB-8	1.5	ND	ND	ND			
SB-9	1 2-4	ND 1,000	1,000	ND ND			
SB-10	1 2-4	ND 20	ND	ND 20			
SB-11	1 2-4	ND ND		ND ND			
-	red with an organic vapo		uipped with a flame-io	nization detector.			

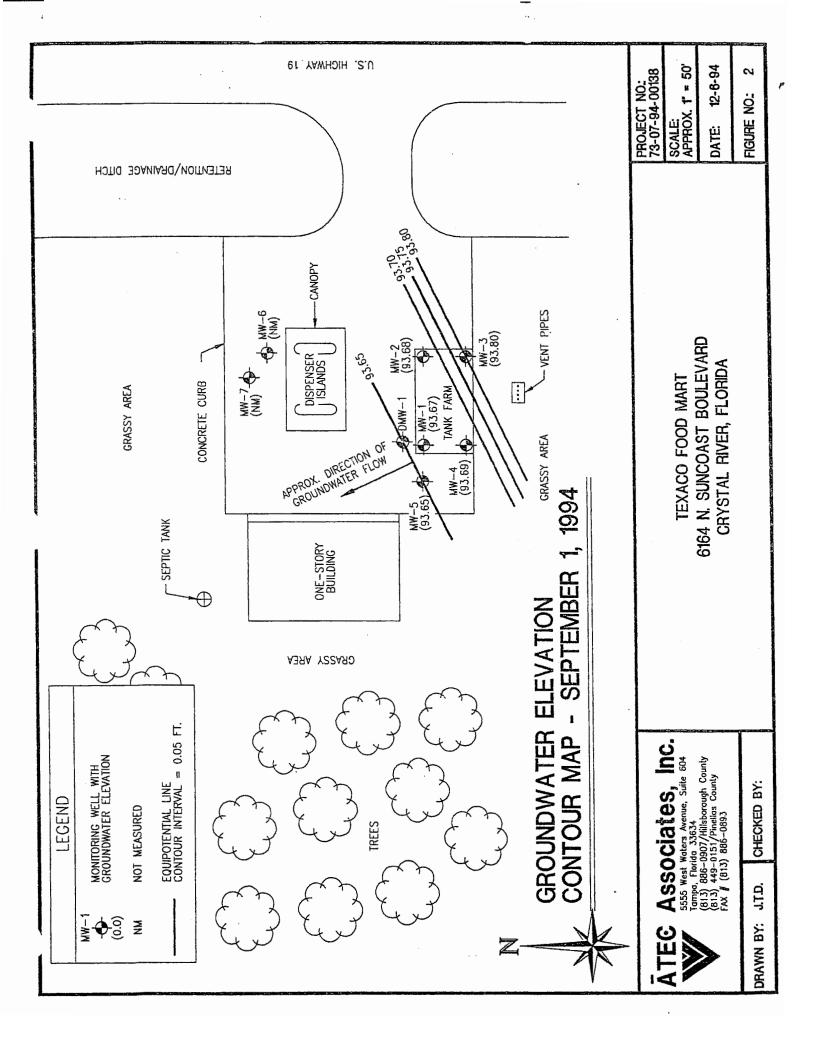
SB-1 Through SB-8 Were Performed on September 1, 1994. SB-9 Through SB-10 Were Performed on November 21, 1994.

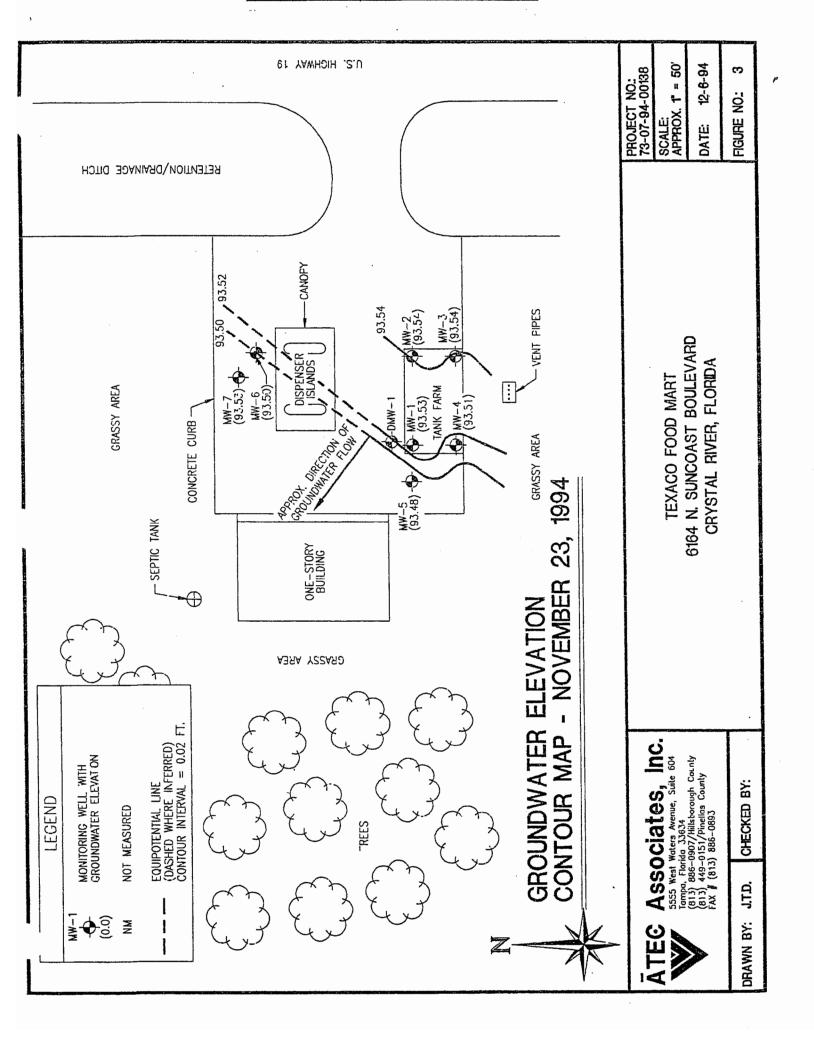
ND-- Not Detectedppm-- Parts Per MillionTOV-- Total Organic VaporsFiltered-- Filtered With CarbonCorrected-- Petroleum Hydrocarbon Vapors (Difference Between TOV and Filtered Readings)>-- Greater Than

TABLE NO. 3         Summary of Compliance Well Construction Details         Texaco Food Store         6164 N. Suncoast Boulevard         Crystal River, Florida         DEP Facility I.D. #098842367         Location       Depth to Top of Screen (ft)				
Location	Location Depth to Top of Screen (ft)			
MW-1	2.4	9.6		
MW-2	2.1	9.0		
MW-3	1.1	11.0		
MW-4 2.5		9.8		
Note: Well construction details were determined by field measurements on September 1, 1994.				

.







Division of Was	nvironmental i tection te Road • Tallahassee, Florida 32399-2400 te Management m Storage Systems
	pliance Inspection Report
Facility ID 730093 County 09 CIT	
Facility Name SEVEN RIVERS HOSPITAC	Facility Type C-USER
Latitude 25°57'06" Longitude 82°3	17'34" L/L Method AGPS
Check box to identify type of inspection performed. Update latitude/longitud Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GG Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	e as necessary. # USTs PS" (Trimble)). Inspected Inspected
Compliance Inspection (Annual) TCI X In	stallation Inspection TIN
	osure Inspection TXI
Compliance Inspection (Complaint received) TCPI Co	ompliance Re-Inspection TCR
Discharge Evaluation ("short form") TDI **	Record the results of the TDI in a Discharge Project
• "Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for	ease of electronic data recording of inspection results.
Rule Cite Description / Inspector's Comments	Code
Comments. Release detection	s a continuous sensul
La lle tank intelst	ice and a locality
	ice, and a weekly etank, its piping, board.
UISUEL CLeck of the	= Tank, Its piping,
and Sensor remote	board.
Be sure the Senso	1 is clecked for operability
annually	
The tank exteriora	nd and piping war
dry with no Signs	of any locks
Financial Responsibility - Verify owner's coverage. Select Insurance or	Other, and provide Mechanism, if appropriate.
Insurance Carrier: Hospital Underwriting	Effective Date: 6/1/2000 Expiration Date: 6/1/2001
Other Coverage meeting federal financial responsibility requirement	s. Mechanism:
None	
	er/operator, this facility appears to meet the requirements of No OCWOE - Compliance without Enforcement n of the non-compliance items noted
CITRUS FURROUMO THE HEARTH 25	7-577-5795
CITRUS ENURONMENTAL HEACTH Storage Tank Program Office	torage Tank Program Office, Phone Number
C. MARK SUMMER	TAY L. UmphrESS JR. acility Representative Name - Please Print
M.J.S. ulular	Lou & Machine 10
Inspector Signature & Date	acility Representative Signature & Date

Page _	of



November 16, 2000

Mr. John Martynowski Seven Rivers Community Hospital 6201 N Suncoast Blvd Crystal River, FL 34428

> RE: ID # 099300093 Seven Rivers Community Hospital 6201 N Suncoast Blvd Crystal River, FL 34428

Dear Mr. Martynowski:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Enclosed, please find a copy of the Storage Tank Facility Compliance Inspection Report for the inspection recently performed at the above named facility. Please refer to this report for comments regarding the inspection.

If there are any questions concerning this matter, you may contact the Storage Tank Program at (352) 527-5295.

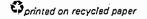
Sincerely,

C. Mark Sumner Environmental Specialist II

Enclosure(s)

CITRUS COUNTY DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH DIVISION STORAGE TANKS INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316



×

#### This data is current as of: 06-NOV-2000

#### Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information ID#: 9300093 Name: SEVEN RIVERS COMMUNITY HOSPITAL 6201 N Suncoast Blvd Crystal River, FL 34428 Contact: MACY in enforcement Phone: 352-795-8322

District: SWD County: Citrus Type: Fuel User/Non-Retail Status: Open Latitude: 28:57:06.0000 Longitude: 82:37:34.0000 LL Method: AGPS

Account Owner Information

Name: Tenet Healthcare 6201 N Suncoast Blvd Crystal River, FL 34429 Phone: 904-795-8322

Tank Owner Information

Name: Tenet Healthcare 6201 N Suncoast Blvd Crystal River, FL 34429 Phone: 904-795-8322

Tank #	Size	Content	Installed	Placement	Status	Const	Pipe	Monitor	$\mathcal{T}$	
2	4000 Dies	el-Emergen	Gen 06/01/1992	ABOVE	U	C M I	B D A	F 1 Q	Sca	33
1	5000 Dies	el-Emergen	Gen 07/01/1978	UNDER	В	P		4		

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found!



## Boald of County Comilissioners Department of Public Safety

285 South Kensington Avenue, Lecanto, Florida 34461

-(352) 726-1606 ------ Fax (352) 726-1001 -

October 14, 1998

W.R.E.C. Attn: Roy Sibley P.O. Box 278 Dade City, Fl. 33526

Ref. Fac. 099700797 W.R.E.C.-Seven Rivers Hospital 6201 N. Suncoast Blvd. Crystal River, Fl. 34428

Dear Mr. Sibley:

On 10/14/98 a representative of the Department of Public Safety conducted a compliance inspection at the above referenced facility. This inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to Chapter <u>62-761</u> Florida Administrative Code (F.A.C), which regulate underground and aboveground stationary storage tank systems. A copy of the completed inspection form is attached.

Should you have any questions, please contact me at (352) 726-1400.

Sincerely,

David E. Chronister Environmental Specialist III Department of Public Safety

DEC/bf

STORAGE TANKS PROGRAM 285 S. Kensington Avenue Lecanto, Florida 34461 (352) 726-1400



## Depa ment of Environmental F gulation Pollutant Storage Tank System Inspection Report Form

Facility: ID. #: 099700797	County: CITAUS
Facility Name: <u>UREC - SEVEN RUVERS HOSPITA</u> Facility Location: <u>6201</u> N. SUNCOAST BLVD, CRYS Facility Contact:	TAL RIVER, FL. 34424
Owner Lu R E C	Phone
Owner Address: <u>P.O. 30x 274 DAOE CITY, FL</u> Owner Contact: <u>ROY SISLEY</u> Owner Cha Latitude: <u>24°: 57': 06"</u> Longitude: <u>F2°: 37'</u>	nge Date: יאַר: Fac. Type:

Tank #	Size	Contents	Date Installed	Under or Above	Tank Type	Integral Piping	Monitoring System	Tank Status
738	1100	G	1/95	A	I	F	к	U
			-					

Comments: '45-'99 PLACARD NOT APPLIED FOR DUE D NEW RULL EXEMPTION

Site Information: (All that apply) Inspection Type: (Choose One) Near Public Wells 🔄 Repaired Discharge (DRF) X Routine Contaminated Upgraded Closure Installation Complaint Both UST & AST Reinspection Abandoned Acid Tanks Hazardous Materials TORACETANT or Local Program Come Course Cubice DER **District** DAVID E. CHROMISTER (Hrint): Name (Print): Inspector Inspector's Signature & Date s Signature & Date Contac A Form 781-01-91

A STATE OF	ALL THE A	Facility ID	<u>VREC - SEVENT RIVER 1965;</u> 0 # <u>CO99700 777</u> 10-14-94 Nes No Unic MA
I. REGIS	STRATI	ION/NOTIFICATION: Comments:	
	2. r notifi 4. 5. 6. 7. 8. 9.	Facility has registered all applicable tanks on site; 17-762.400 Current registration placard is properly displayed; 17-762.410(4) cation has been made for the following; 17-762.450: Abandonment and closure (30 days prior); (1) (a) Change of ownership (30 days after); (1) (b) Retrofitting, replacement or upgrading; (10 days prior); (1) (c) Change of tank status (in service/out-of-service); (1) (d) Change of facility status (e.g. substances stored); (1) (e) Change of method of financial responsibility (within 30 days); (2) The facility owner/operator notified D.E.R. of internal tank inspection 24 hrs prior to the test; (3)	1.     2.       3.     4.       5.     7.       6.     7.       8.     9.
	10.	Loss of greater than 100 gallons on an impervious surface or 500 gallons inside secondary containment within one working day: .450(4)	

AVAIL, Comments: ______ RECORD KEEPING: All records were maintained for two (2) years and were available for inspection within five 11. (5) working days; 17-762.710

within five (5) working days; 17-762.710

11.

12.

11. 12. Some but not all records were maintained for two (2) years and were available for inspection 

<u>III.</u>	REPORTING	/DISCHARGE RESPONSE/REPAIRS: Comments:		•		
		ting requirements met for the following: 17-762.460	//////	ΠΠΠ	777777	Ш
	1. The second second second second second second second second second second second second second second second	Integral piping tightness test failure within 10 days; (1) 13.		1		
		Pollutant discharge exceeding 25 gallons on a pervious surface; (2) 14.				ſ
	15.	Positive response of a release detection device within one working day; (3) 15.				1
	The owner o	r the operator of the system which has discharged has:			//////	//////
	16.	Taken it out-of-service; 17-762.700 (1), had it repaired or replaced; .700, or properly closed 16.			1.64	.1
		it, 800 (Restanding), and the second second second second second second second second second second second second	//////		111111	//////
	17.	Removed any regulated substances from the system; 17-762.820 (1) 17.				/
	18.	Tightness tested all repaired components before placing them back in service; 17-762.700 (5) 18.				1
		& (6)	//////	]]]]]]]		//////
	19.	Begun initial corrective actions for a release; 17-762.820 (2) 19.				/

· 1	INVENTORY	REQUIREMENTS FOR TANKS IN CONTACT WITH SOIL: Comments:	 	 
	Campagaran, Alis and	All inventory requirements maintained in accordance with 17-762.720 (1)		Ź
	21.	Some, but not all inventory requirements maintained in accordance with 17-762.720 (1) 21.	1	 



#### ABOVEGROUND STORAGE TANK COMPLIANCE INSPECTION FORM

···me: <u>WPEC-SEvi~</u> <u>PIVins itesp</u> ility I.D.#: <u>099700757</u> Date: <u>15-19</u>-74-

Yes No Unk N/A

<u>V.</u>	PERFORMANCE STANDARDS/CATHODIC PROTECTION: Comments:				
	Storage tank criteria; 62-762.500				
Sec. 5.	22. Meets construction upgrading schedule; 510 and 520 22.	A ALM	1. A. S. S.	BALL S.	1/0
	23. Meets applicable storage tank standards; (1), (2) & (3) 23.	/			
1997 - A.	24. Tank has secondary containment system; 500 (6) 24.	100	\$7. C. 12		
	25. Tank equipped with overfill protection; (3) (f) 1-4, (g) 25.				
and an an an an an an an an an an an an an	Piping criteria				
	26. Meets new piping standards with secondary containment; 500 (4) & 600 (4) 26.	\$1. M.M.	<u></u>		/
	27. Meets construction upgrading schedule; 62-762.510 (3), & .520 (2) 27.		mm	mm	
The second second	Repairs to storage tank systems; 62-762.700		//////		//////
22222	28. Failed storage tank system component properly required; (1)-(4) 28.	90000	Section 20	149 C 12	d Greene
	29. Tightness testing of the required component prior to being brought back into service; (5) 29.	mm	mm	mm	mm
	Cathodic Protection; 62-762.730	<i></i>		<u>uun</u>	
0.0000000	30. Cathodic protection system for tank and piping provides continuous protection; (1)-(4) 30. Secondary containment; 62-762.500	7/////	mm	mm	TITT
	31. Does containment are have sufficient volume: 500 (6) (a) (2) 31.		<u></u>	<u>aaaa</u>	<u>quuu</u>
	32. Is the containment area made out of impervious material in accordance with Chapter 62-762, 32.	17.201-939.	1850000000	1.000 ( 2.000 (	
	F.A.C., requirements; (6) (a) (1)		mm	mm	Úm
TERMINE CO	33. Is the containment area equipped with drainage system or protected from accuniulation of rain; 33.	<u>anna</u>		<u>,</u>	
1000	(6) (a) (3)	11111	7/////	m	annn
and a set the second of the	34. Hydrant pits equipped with spill prevention equipment; (5) 34.	fund	<u>, , , , , , , , , , , , , , , , , , , </u>		
				1	-

- 1	RELEASE DETECTION/MONITOR WELLS: Comments: MONTHLY VISUALS
	35. Facility has an approved released-detection system; 62-762,600 & 62-762,860
	36. Monitoring wells properly designed, constructed and installed; 62-762.640 or 62-762.600 (6)
	37. Interstitial monitoring adequate to detect a release from integral piping; 62-762.600 (4) & (5) 37.

VII.	OUT-OF SERVICE STATUS: Comments:	N	17	7					
· John Marked Market State State States				National Second					
	38. Are the corrosive protection devices pro				38,		4329333		<u> </u>
	39. Is the vent line and other ancillary equip					an ana amin'ny fi		institution al des	
A second	40. Test performed to insure the integrity of service: (1) (c)	out-of-service system prior to being r	retu	mea	to .40.			mm	mm

ſ	VIII.	VARIANCE: Comments:	~1	A
			1	
	<u> </u>	41. Has the facility for an Alternate Procedure; 62-762.350 (1)	Yşî	41

	<u>IX.</u>	OTHERS: Comments:	1	A
1			/	•
	302.5	42. Any other violation noted during inspection (Explain in comment	ts)	42.

Site No. 102 Commercial Carrier Corporation 6639 N. Tallahassee Road (Old US Highway 19) Crystal River, Florida FDEP I.D. No. 099101140



## Department of Environmental Protection

Jeb Bush Governor Southwest District _ 3804 Coconut Palm Drive Tampa, Florida 33619

David B. Struhs Secretary

June 16, 2000

Mr. James Card Comcar Industries, Inc. Post Office Drawer 67 Auburndale, FL 33823

JUN 7 6 2000

Re: Commercial Carriers Corporation Crystal River Terminal 6659 North Tallahassee Road Crystal River, Citrus County, Florida Facility ID #099101140

Dear Mr. Card:

Paul Gruzlovic of the Bureau of Petroleum Storage Systems has reviewed the Site Assessment Report (SAR), dated January 12, 2000 (received January 13, 2000), prepared and submitted by Universal Solution, Inc., for the discharge discovered on April 13, 1999 at this site. In order to meet the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.), the following comments need to be addressed:

- Well construction detail figures and boring logs were not submitted for TW-1 through TW-6. The construction detail figures and boring logs [OVA readings, lithology (based on a soil classification system specified on the log), and moisture content] should be submitted to the Department.
- 2) Water sampling logs for the groundwater samples obtained between October 1999 through December 1999 were not submitted with the report. As stated in Rule 62-770.400(2)(c), Florida Administrative Code (F.A.C.), water sampling logs are required to be submitted to the Department for each well that is sampled. The water sampling logs should be submitted to the Department.

Mr. James Card Comcar Industries, Inc.

- 3) The screen interval and total depth of the wells were not listed on the groundwater elevation summary table (Table 4) of the SAR. This information should be added to Table 4 and submitted to the Department.
- 4) A statement was included in the SAR that the soil samples for OVA screening and for laboratory analyses were collected from the drill cuttings. Collecting soil samples from the drill cuttings or from off of the auger flights are not approved methods by the Department for OVA screening or for obtaining soil samples for laboratory analyses. Additional soil borings will be required before the Site Assessment will be approved.
- 5) High, medium, and low soil samples (based on the OVA screening results) were not collected. The only soil sample that was obtained was from soil boring SB, which appears to have been completed next to TW-3. Figure 2 should be revised to show the correct designation for the soil boring in which the soil sample was obtained. Additionally, the lab report that was submitted did not include pages 5, 6, 7, 10, 11, 13 and 14. Figure 2 should be revised and the missing pages from the laboratory report should be submitted to the Department.
- 6) The units were not specified on the soil analytical summary table (Table 2) and the concentrations for 1methylnaphthalene and 2-methylnaphthalene should be listed on the table. The report incorrectly stated that the only parameter that was detected above the Department's soil cleanup target levels from sample SS-1 was TRPH. Benzene, ethylbenzene, total xylenes, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene exceeded the Department's leachability-based criteria. A revised Table 2 should be submitted to the Department.
- __7) A potable well search was not completed. All public supply wells within 0.5 mile and all private potable wells within 0.25 mile should be located on a map. The well construction details should also be provided to the Department in a table.
  - 8) Site location (USGS topographic quadrangle) and local vicinity maps were not included in the report. The maps should be submitted to the Department.

Mr. James Card Comcar Industries, Inc.

9) The SAR did not include a statement as to how long diesel has been distributed at the site or if any other petroleum products have been stored and dispensed at the site. A summary of the site history and operations pertaining to petroleum distribution should be provided to the Department.

The comments listed above should be addressed and the supplemental assessment activities listed below should be completed.

- (1) Based on the total PAH concentration measured in TMW-1 and the TRPH concentration measured in MW-1, a doublecased vertical extent well (MW-4D) should be installed. The proposed location of MW-4D is shown on the attached map. During the advancement of the boring for MW-4D, soil samples for OVA screening should be collected at two-foot intervals above the water table and at five-foot intervals below the water table.
- (2) A water-table well (MW-5) should be installed at the location illustrated on the attached map. Soil samples should be obtained at two-foot intervals during the advancement of the boring for the well and screened with an OVA.
- (3) Soil borings SB-A through SB-D should be completed to a depth of one-foot below the water table at the locations indicated on the attached map. Soil samples should be obtained at two foot intervals and screened with an OVA.
- (4) High, medium, and low soil samples (based on OVA screening) should be collected from the vadose zone from the four soil borings, MW-4D, or MW-5. The soil samples should be analyzed for BTEX/MTBE (EPA Method 8021/5035), PAHs, and TRPHs.
- (5) Groundwater samples should be obtained from MW-1, MW-4D and MW-5 and analyzed for BTEX/MTBE (EPA Method 602), PAHs (EPA Method 8310), and TRPHs (FL-PRO). MW-2 and MW-3 should also be sampled and the samples should be analyzed for BTEX/MTBE (EPA Method 602). The top of casing elevations for the new wells should be measured

Mr. James Card Comcar Industries, Inc.

and water levels should be obtained from all of the wells.

Please note, applicable portions of the Site Assessment Report Addendum must be signed and sealed by a registered professional Engineer or a registered Professional Geologist authorized by Chapters 471 or 472, F.S.

Please provide two copies of the results of the supplemental assessment to me within sixty (60) days of receipt of this request.

The Department requests that written notification be provided at least three days prior to performing all future sampling events. If you have any questions concerning this review, please contact me at (813) 744-6100, ext. 427 or Paul Gruzlovic at (850) 921-9036.

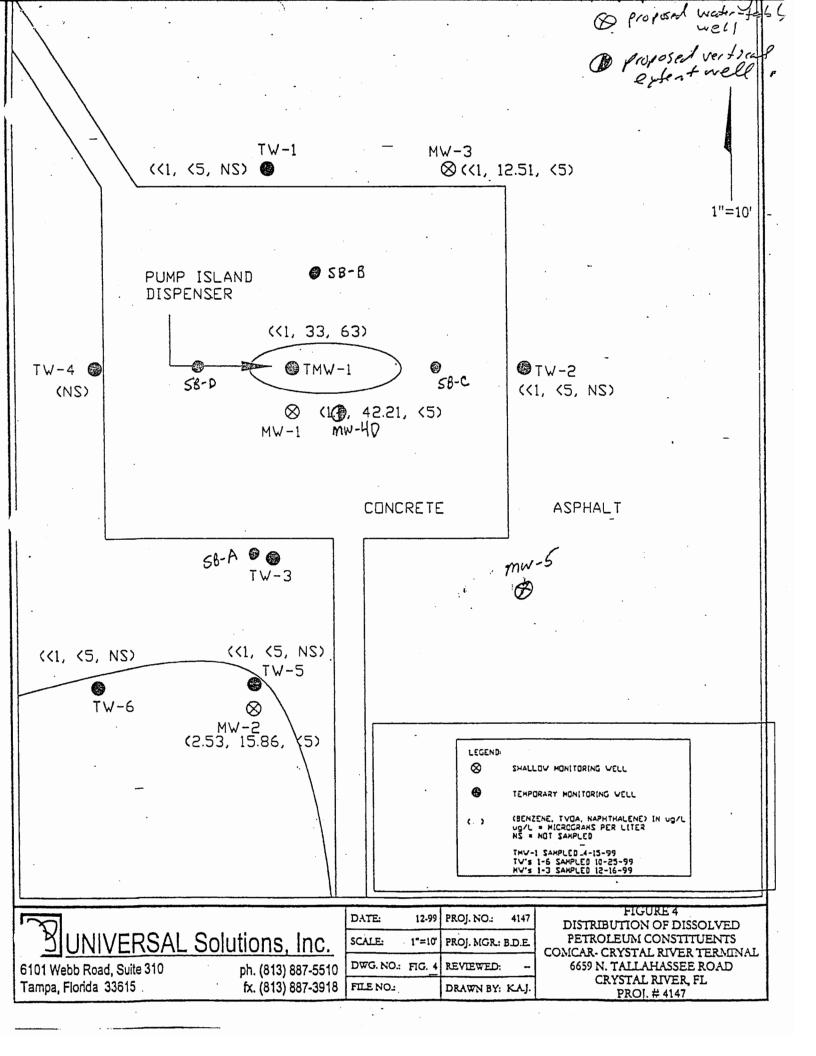
Sincerely,

Varlie E. Z. Roligo

Leslie E.L. Pedigo Environmental Specialist III Tanks Program Division of Waste Management

LELP

cc: Brad Ernst, Universal Solutions, Inc. Mark Sumner, Citrus County Health Department Paul Gruzlovic, FDEP-BPSS



FLORIDA DEPARTMENT OF THEALTH

Jeb Bush Governor Robert G. Brooks, M.D. Secretary

January 26, 2001

Mr. James Card Commercial Carrier Corp. P.O. Drawer 67 Auburndale, FL 33823

RE:

DEP FAC #099101140 Commercial Carrier Corp. 6659 Tallahassee Road Crystal River, FL 32629

3

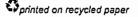
Dear Mr. Card:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Attached are the 62-761, FAC, compliance inspection results for the above named facility. The inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to 62-761, FAC. Alleged violations are noted below.

Due to the alleged violations noted, this facility may not be operating in compliance with Chapter 62-761, FAC. Review the violations referenced below. Submit a response in writing within fourteen (14) days which provides a schedule for correcting the noted violations. Be advised that failure to take corrective action may result in enforcement action and the assessment of penalties.

#### CITRUS COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SECTION STORAGE TANK INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316



62-761.400(3), FAC – Financial Responsibility has not been demonstrated. Financial responsibility is the ability to pay for corrective action and third-party liability resulting from a discharge at the facility. The demonstration of financial responsibility shall be made by the owner or operator in accordance with the Code of Federal Regulations, Title 40, Part 280, Subpart H.

Suggested Corrective Action: Complete the enclosed Certification of Financial Responsibility (Form 62-761.900(3)) and mail a copy to this office. The original must be maintained as part of facility recordkeeping and available for inspection within 5 working days notice.

62-761.600(1)(d), FAC – The release detection method for the storage tank system(s) is not monitored at least monthly. Except as otherwise specified in Rule 62-761.600-640, FAC, the release detection method or combination of methods used at a facility shall be performed at least once a month, but not exceeding 35 days, to determine if a release from the storage tank system has occurred.

Suggested Corrective Action: Begin monitoring the release detection system(s) at least monthly as required.

62-761.640(3)(d), FAC – The small diameter piping in contact with the soil, and connected to an underground storage tank system(s), does not have a line leak detector that meets leak detection requirements. Line leak detectors shall be capable of detecting a discharge of 3.0 gph with a probability of detection of 0.95 and a probability of false alarm of 0.05 at a line pressure of 10 psi within one hour.

Suggested Corrective Action: Have the line leak detectors tested annually as required.

Note that unless otherwise indicated, the schedule for corrective action is 30 days. Any item for which insufficient information was provided to determine compliance status is followed by an asterisk (*) and must also be addressed.

If you have any questions concerning this letter please call the Storage Tank Inspection Program at (352) 527-5295.

Sincerely,

C. Mark Sumner Environmental Specialist II

enclosure(s) CMS/file

Twin Towers Office Eldg. • 2500 B Division	at of Environment lair Stone Road • Tallaha of Waste Management Petroleum Storage Syste	ssee, Fiorida 32399-2400	
Storage Tank Facilit	y Compliance Insp	ection Report	*
Facility ID 90140 County 60	i citrus	Inspection Date	1/17/2001
Facility Name COMMERCIAL CARR	RIER	Facility Type 🚺	C-USER
	2°37'55"	L/L Method 🗹	I-GPS
Check box to identify type of inspection performed. Update latitude/ Provide Lat/Long Determination Method. ("Map", "AGPS" (Magella Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection	n), "GGPS" (Trimble)).		# ATSs Inspected
Compliance Inspection (Annual) TCI	< Installation Inspec	tion	TIN
Compliance Inspection (DRF received) TCDI	Closure Inspection		TXI
Compliance Inspection (Complaint received) TCPI	Compliance Re-Ir		TCR
Discharge Evaluation ("short form") TDI	** Record the res	ults of the TDI in a Discharg	e Project
• "Code" in block below corresponds to the Rule Cite; represents a Data Entry	Code for ease of electronic da	ta recording of inspection results.	
Rule Cite 62-761 Description / Inspector's Con		-	Code
3.400(3) The records	for finan	ciel respo	-sibility
expired 1/11	12001		0
			1
6 600(1)(d) the wells ar	e not be	ng Sample	dat
: least month	as requ	iled.	
	detecter	,	to
be tested 11	122/00.	3e Sure to	
test the (Li	Annally	as require	2.
	0	0	
Financial Responsibility - Verify owner's coverage. Select Insura	ance or Other, and provi	de Mechanism, if appropri	ate.
X Insurance Carrier: CHI	Effective Date: /	1100 Expiration Dat	10: 1/11/01 (and and
A			- Carpier
Other Coverage meeting federal financial responsibility requ	mements. Mechanism:		
None			
Based upon the inspection results and information provided by the			
Florida Administrative Code 62-761. O Yes A re-inspection will be scheduled on or after <u>30</u> days to verify co	prrection of the non-comp	CWOE - Compliance with liance items noted.	iout Enforcement
CITRUS ENURUNMENTAL HEALTH	352-5	27-5295,	م
Storage Tank Program Office		Office Phone Number	
C. MARK SOMMER Inspector Name - Please Print	Facility Representative		<u>``</u>
7710 .11.	00		
"Lack 20 11/10/	Ann	110 Open	,
Inspector Signature & Date	Facility Represen	tative Signature & Date	

_	1 .	9
Page	of	<u> </u>

Florida Department of Environm 'al Protection 
Bureau of Petroleun orage Systems Storage Tank Facility Compliance Inspection Report

Facility Name: ComMERCIAL CARRERFacility ID: 9101140 Date: 1/17/2001

1 Cite	Description / Inspector's Comments
	Release detection is supposed to
	be a monthly sampling of the 4
	Monital wells. The records provided
·	Showed that the wells were only
	Sampled 1/2/2000, 5/8/2000, 6/21/200,
	9/14/2000, + 12/12/2000 last year.
	Also, The depth to Water Measurments.
	Indicate that for the wella last year
	Was only 2-3 feet above the bottom of the well. 62-761.640(2)(a)2.9. FAC
	requires that the well's extend at
	least five feet below the normal
}	graund water Surface level. Since last
	year we were in drought conditions placed
	provide records to demonstrate that
	He NORMAL Ground water Surface level
	IS five feet above bottom of wells. TO Not Your wells
	If Not Your wells will not meet required
	Construction Standards and Ullnot be
	exempt from site Suitability requirements
	Systemalso equipped with veeder Root TLS
	Pipe interstice, and dispenser lines.
	Pipe Simp and dispensed lines wee dry
	Water in hells is clear with no stren ar ador
	fillis marked per Api 1637 Placed is displayed
	Pictures were taken of dispensel and line
L	

Page 2 of 2

F

#### FDEP STCM Cover Page Deta

### ×

This data is current as of: 04-JAN-2001

#### Bureau of Petroleum Storage Systems **Facility Inspection Cover Page**

Facility Information ID#: 9101140 Name: COMMERCIAL CARRIER CORP 6659 N Tallahassee Rd Crystal River, FL 32629-2942 Contact: Paul Carter Phone: 352-795-3723 SHAWN OBRIEN

Account Owner Information Name: Commercial Carrier Corp Po Drawer 67 Attn: James Card Auburndale, FL 33823 Phone: 941-967-1101

Tank Owner Information

Tank

Name: Commercial Carrier Corp Po Drawer 67 Attn: James Card Auburndale, FL 33823 Phone: 941-967-1101

District: SWD County: Citrus Type: Fuel User/Non-Retail Status: Open Latitude: 28:57:26.0000 Longitude: 82:37:55.0000 LL Method: AGPS

Size Content Installed Placement Status Const Pipe Monitor # 12000 Vehicular Diesel 04/01/1991 UNDER U F Κ 1 N⁄ PA F Bг Μ J H٢ Ο  $\boldsymbol{\mathcal{C}}$ 3/ K⁄ 51 C F K N-12000 Vehicular Diesel 02/01/1991 UNDER 2 U Α PF В́́́ H′ Μ J 51 Ο 3 Κ

***Note: Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status of A, B, or D). No OPEN violations found!

Site No. 103 Crystal River Precast Plant 7010 N. Suncoast Boulevard (@ Powerline Road) Crystal River, Florida EPA I.D. No. FLD984178996

#### GROUND WATER ANALYTICAL RESULTS

The ground water sample was analyzed for the kerosene/mix product components specified in FAC 17-770.600(8)(b) as requested by FDER. The certificates of analysis are attached in Appendix C. The analytical parameters detected in the ground water samples are:

Toluene	3200	ug/l
Xylene	120	ug/l
Chlorobenzene	20	ug/l

All other analytical parameters were below analytical detection limits.

At this time the detected parameters can not be attributed to a known on site source. The drums of chemicals and/or petroleum products stored on site did not contain toluene, xylene or chlorobenzene as indicated by their respective material safety data sheets (MSDS). Further the disposal analysis records of the petroleum contaminated soil did not indicate the presence of toluene, xylene or chlorobenzene. Also information obtained from Zurn personnel who formerly worked on the site did not identify an on-site source of the chemicals.

If there are any questions, please contact myself or Robert Stephens at (813) 622-7174.

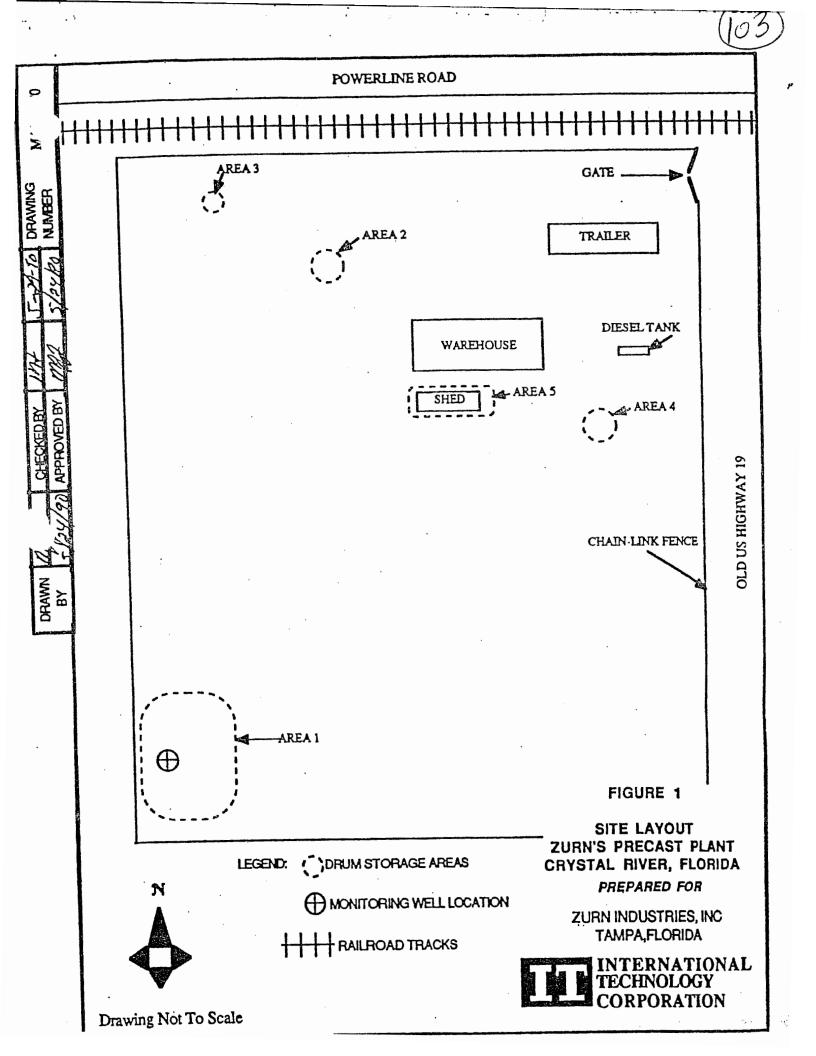
Respectfully,

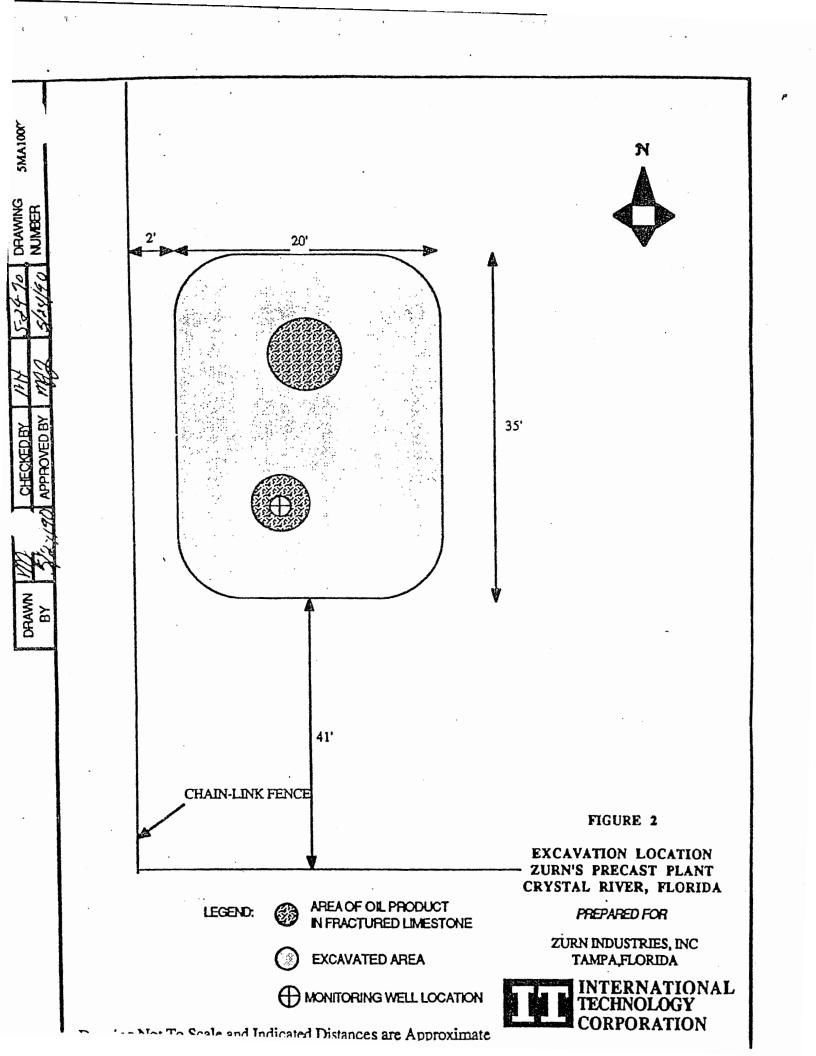
Michael Jones Project Manager

cc: Bill Morton Zurn Industries, Inc. P. O. Box 2000 Erie, PA 16514-2000 (814) 452-2111 Ext. 277

595397\PISMMRY1.MJ3

3





Site No. 104 Crystal River Quarries, Inc. 7040 N. Suncoast Boulevard Crystal River, Florida FDEP I.D. Nos. 098518659 and 099045639

Fi da Department of Environmental: tection Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400 Division of Waste Management Bureau of Petroleum Storage Systems	54)
Storage Tank Facility Compliance Inspection Report	
Facility ID 9045639 County 09 CITRUS Inspection Date 11/22/00	
Facility Name CIRYSTAL RIVER QUARRIES RL Facility Type C-USER	·]
Latitude 28°5750" Longitude 82°3757" L/L Method AGPS.	
Check box to identify type of inspection performed. Update latitude/longitude as necessary. Provide Lat/Long Determination Method. ("Map", "AGPS" (Magellan), "GGPS" (Trimble)). Provide the count of USTs and/or ASTs reviewed <i>during</i> this inspection H USTs Inspected H USTs Inspected H OSTs	)
Compliance Inspection (Annual) TCI X Installation Inspection TIN	
Compliance Inspection (DRF received) TCDI Closure Inspection TXI	
Compliance Inspection (Complaint received) TCPI Compliance Re-Inspection TCR	
Discharge Evaluation ("short form") TDI ** Record the results of the TDI in a Discharge Project	
• "Code" in block below corresponds to the Rule Cite; represents a Data Entry Code for ease of electronic data recording of inspection results. Rule Cite 62-76 ( Description / Inspector's Comments Code 510(1)(2) Valles Meeting the requirements of	
NEPA 30-A (2-17) have not	
been installed on the Storage	
tanks that produce a gravity	
head on Small diameter piping	
57 1/13/177.	
Financial Responsibility - Verify owner's coverage. Select Insurance or Other, and provide Mechanism, if appropriate.	
X Insurance Carrier: CHI Effective Date: Q-31-59 Expiration Date: Q-30-20	50
Other Coverage meeting federal financial responsibility requirements. Mechanism:	
None	
	ł
Based upon the inspection results and information provided by the owner/operator, this facility appears to meet the requirements of Florida Administrative Code 62-761. O Yes No O CWOE - Compliance without Enforcement A re-inspection will be scheduled on or after. A verify correction of the non-compliance items noted	
CITRUS ENVIRONMENTAL HEALTH 352-527-5295 Storage Tank Program Office Phone Number CHARK SUMPER From J. 6/17	
Inspector Name - Please Print Facility Representative Name - Please Print	
Whate Sa 1/22/07 - 4/1/17 12/12/0	0
Inspector Signature & Date Facility Representative Signature & Date	

Daga	of 2
Page	⁰¹

Florida Department of Environm ul Protection @ Bureau of Petroleum srage Systems Storage Tank Facility Compliance Inspection Report

Facility Name CRYSTAL RIVER QUARRIES Facility ID: 9045639 Date: 11/22/00

i eite	Description / Inspector's Comments
Connents.	Release Detection for the three
	10,000 Gal ASTS IS & documented
	Visual inspection performal monthly of
	the tertis, the containment wall the
	associated piping, and the dispenser
· · ·	Liners
·	Monthly inspections were checked from
	1/2000 to 11/2000
	At the time of this inspection the
	Containment alea was dry and clean
	With a Liell maintained coating, the
	Diesel # 2 Dispenser was dry, Ac
	gas #3 dispenser hatt less flan Dre inch
	of liquid, and the Desel #1 dispersed
	hed less then one incl. of liquid.
	There were no signs of a valuese
	around the prove The fill areas
	to be marked As per Api 1637
· ·	- for the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
	Plotos were taken of the tanks, the
	piping, the dispenses the containment
	piping, the dispenses, the containment wall, and the auto shot off fire Values
	•
	200/2001 placed Las displayed.
	•

Page 2 of 2



Robert G. Brooks, M.D. Secretary

November 27, 2000

Jeb Bush Governor

> Mr. Frank Colitz Crystal River Quarries P.O. Box 216 Crystal River, FL 34423

> > RE: DEP FAC #099045639 Crystal river Quarries 7040 N. Suncoast Blvd. Crystal River, FL 34428

#### Dear Mr. Colitz:

The Storage Tank Program of the Citrus County Health Department (County) has been authorized, by contract with the Florida Department of Environmental Protection (Department), to perform compliance, discharge, closure and installation inspections at facilities regulated under Chapter 62-761 of the Florida Administrative Code (FAC).

Attached are the 62-761, FAC, compliance inspection results for the above named facility. The inspection was conducted under the authority of Chapter 376, Section 303, Florida Statutes, and is designed to determine the compliance status of the facility with regard to 62-761, FAC. Alleged violations are noted below.

Due to the alleged violations noted, this facility may not be operating in compliance with Chapter 62-761, FAC. Review the violations referenced below. Submit a response in writing within fourteen (14) days which provides a schedule for correcting the noted violations. Be advised that failure to take corrective action may result in enforcement action and the assessment of penalties.

CITRUS COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH SECTION STORAGE TANK INSPECTION PROGRAM 3600 West Sovereign Path, Suite 125, Lecanto, FL 34461 Phone (352) 527-5289 / SC 632-5295 / Fax (352) 527-5316 62-761.510(1)(d), FAC – The storage tank system(s) installed before July 13, 1998, and which produces a gravity head on the dispenser and/or integral piping is not equipped with the proper valves. Valves meeting the requirements of Section 2-1.7 of National Fire Protection Association Code 30A, shall be installed by January 13, 1999, on any storage tank system located at an elevation that produces a gravity head on the dispenser or on small diameter piping. Suggested Corrective Action: Install the correct valves on the storage tank system(s).

Note that unless otherwise indicated, the schedule for corrective action is 30 days. Any item for which insufficient information was provided to determine compliance status is followed by an asterisk (*) and must also be addressed.

If you have any questions concerning this letter please call the Storage Tank Inspection Program at (352) 527-5295.

Sincerely,

C. Mark Sumner Environmental Specialist II

enclosure(s) CMS/file FDEP STCM Cover Page Det.

This data is current as of: 06-NOV-2000

×

#### Bureau of Petroleum Storage Systems Facility Inspection Cover Page

Facility Information ID#: 9045639 Name: CRYSTAL RIVER QUARRIES INC 7040 N Suncoast Blvd Crystal River, FL 34428 Contact: Crystal River Quarries Inc Phone: 352-795-2409

District: SWD County: Citrus Type: Fuel User/Non-Retail Status: Open Latitude: 28:57:50.0000 Longitude: 82:37:57.0000 LL Method: AGPS

Account Owner Information

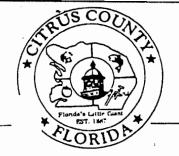
Name: Crystal River Quarries Inc Po Box 216 Crystal River, FL 34423-216 Phone: 904-795-2409

Tank Owner Information

Name: Crystal River Quarries Inc Po Box 216 Crystal River, FL 34423-216 Phone: 904-795-2409

Tank #	Size	Content	Installed ]	Placement	Status (	Const	Pipe I	Monitor
1	10000	Vehicular Diesel	11/01/1989	ABOVE	U	K C O	A B I K	$\left(\begin{array}{c} Q \\ 4 \end{array}\right)$
2	10000	Unleaded Gas	11/01/1989	ABOVE	U	K C O	A B I K	¢ cms
3	10000	Vehicular Diesel	11/01/1989	ABOVE	U	K C O	A B I K	Q 4
10	15000	Fuel Oil-Onsite He	07/01/1959	ABOVE	В			
11	500	Waste Oil	07/01/1981	UNDER	В			
4	4000	Vehicular Diesel	07/01/1959	ABOVE	В			
5	4000	Vehicular Diesel	07/01/1959	ABOVE	·B			
6	1000	Leaded Gas	07/01/1960	UNDER	В			
7	1000	Unleaded Gas	07/01/1981	UNDER	В			
8	6000	Vehicular Diesel	07/01/1959	ABOVE	В			•

Site No. 204 Berryman & Henigar (aka Henigar & Ray Engineering Association, Inc.)



# **Board of County Commissioners** Department of Public Safety

March 16, 1999

Ms. Debbie Sparks Berryman & Henigar 640 E. Hwy 44 Crystal River, Fl. 34429

Ref: Tank Closure Assessment Report Berryman & Henigar 640 E. Hwy 44 Crystal River, Fl. 34429 ID# 098628562

Ms. Sparks:

A Tank Closure Assessment Report dated December 1998, was received by this office March 16, 1999, which outlined closure activities that took place on December 9, 1998 at the referenced facility. Based on the data presented in the aforementioned report, and on field observations conducted during the tank removal, it appears no further assessment will be required at this time for this former underground storage tank area.

Should you have any questions please call me at (352) 726-1400.

David E. Chronister Environmental Specialist III Citrus County Public Safety-Storage Tanks Program

DEC/bf



## ∟ partment of Environmen. al Regulation

## Pollutant Storage Tank System Inspection Report Form

Facility Name: HENIGER & RAY	County: CITRUS
Facility Location: 640 E. HWY. 44 CRYSTAL NIVER, FL.	34429
Facility Contact: STEVE SHAW Owner:HENIGEN & MAY	Phone: (352) 795-6551
Owner Address: 640 E. Itwy. 44 CRYSTAL RIVER, FC. 3	4429
Owner Contact: <u>575-5 544</u> Owner Char Latitude: <u>24°: 53': 23"</u> Longitude: <u>62': 35</u> '	nge Date:

Tank #	Size	Contents	Date Installed	Under or Above	Tank Type	Integrai Piping	Monitoring System	Tank Status
1	2000	В	12/86	U	AEM	<	ß	ß
			<u> </u>					

Comments: JiJ REMOVED UST. UNIFIND PARFORMED CLOSURE PESSESSMENT

· · · ·	
Inspection Type: (Choose One)	Site Information: (All that apply)
Routine Discharge (DRF)	Near Public Wells Repaired
Installation 🕅 Closure	🗌 Contaminated 🗌 Upgraded
Abandoned 🗌 Reinspection	Complaint Doth UST & AST
	🗌 Acid Tanks 🗌 Hazardous Materials
DER District or Local Program Cimus	County Public SAFETY - STORAGE TANKI PROGRAM
DAVIN E. CHRONISTER	
Inspector Name (Print):	Contact Name Print:
181 Dala	Korpmald
Inspector's Signature & Date	Contact's Signature & Date
ER Form 781-01-91	. <b>\</b>

1



#### UNDERGROUND STORAGE TANK CLOSURE INSPECTION FORM

Facility I.D.#: 096626562 Date: 12-9-54

ديد ويستعنين فتخفيني ك

VE OF RUM	Ye	es	No	Unk	N/A
REGISTRATION AND NOTIFICATION 17-761.400 & 450 FAC: Comments:					
1. All of the facility's tanks properly registered: .400	1.	<	i North	5 C 9	44. 1
<ol> <li>Proper notification made 30 days prior to tank(s) closure; .450 (1) (a)</li> </ol>	2. L				
3. Proper notice given 24 hours prior to storage tank(s) closure; 450 (4)	3. 2		u ^h énye		

II. CLOSURE PROCEDURES/STATUS: 17.761.800 Comments:		 	
4. Certified contractor performed the tank removal(s); .740 (2) J / J / J 4.	~	a de la compañía de l Compañía de la compañía	
<ol> <li>Storage tank(s) properly closed and removed from the site; (2) (d)</li> <li>5.</li> </ol>	/		
6. Storage tank(s) properly closed and filled in place; (2) (d) 6.			/
<ol> <li>Storage tank(s) properly closed within 90 days of discovery; (2) (a)</li> <li>7.</li> </ol>			1
8. All liquid & sludge removed from the tank(s); (2) (d)	1		
9. Storage tanks properly <u>purged</u> or inerted prior to transport; (2) (d) 9.	/		
10. All piping capped and/or removed;	/		
11. All monitoring wells left in place for contamination assessment purposes; (2) (f) 11.			1
12. All monitoring wells have been properly abandoned; .800 (2) (f) 12.			1
13. A closure assessment was properly performed; .800 (3), UNIFIED - O-COINC 13.		1	

111.	DISCHARGE REPORTING 17-761.46	60, F.A.C.: Comments:	N		
	•		· · · · · · · · · · · · · · · · · · ·	 771	
	14. Evidence of contamination	on or a discharge reported (	Explain in comments)	 //	-
	460 (1), (2) and (3)		방법, 해양은 의견은 그는 것은 것이야?	[[][[][]][][][][][][][][][][][][][][][][	V/////
	15. Discharge Reporting For	m (DRF) submitted; 460 (2)	15.		-

IV.	DISCHARGE RESPONSE:	Comments:	MA			
-			/			
	16. Free product pr	esent; (Explain in c	omments)	$(\pi, \chi_{1})$	//////	
	17. Free product be	eing removed; 17-7	61.800 (3) (d) & 17-761.820 (2) 17.			/

Comments:	Jéj	Removed	TANK AND	PIPING.	UNIFISO	Artomso	CLOSUNE ASSESS	mer.
	Sore Sc	reserve j	10 NOT IND	ICATE IA	PACTO SOI	KS. WATTA	SOIL SAMPER	OSTAINS

For REPORT

. .

.

.

.

•

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

Pollutant Storage Systems Contractor as defined in Section 489.113, Florida Statutes (certified contractors as defined in Section 62-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the underground age tank system(s) located at the address listed below was performed in accordance with Department Reference Standards. This les system components such as dispenser liners, piping sumps, and overfill protection devices.

#### **General Facility Information**

Facility Name: Berryman & Henigar	DEP Facility Identification No.: 098628562	
Street Address (physical location): 640 E. Highway 44	Crystal River	
County: Citrus	Telephone #: (352)_795-6551	
Owner Name: Berryman & Henigar, Inc.	Telephone #: (352)_795-6551	
Owner Address: 640 E. Highway 44 Crystal River, FL 34429		

### Storage Tank System Information

Number of Tanks Installed: 0	Number of Tanks Removed: 1	
Date Work Initiated: 12/10/98	Date Work Completed: 12/10/98	
Tank(s) Manufactured by: N/A		
Description of work Completed: Removed and disposed of 1-1000 galon underground		
I tank. Took water/soil samples as required by County Inspector.		

### Certification

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

John H. Dunseth	PCC050790
(Type or Print) Certified Pollutant Tank Contractor Name	PSSC Number Pollutant Storage Systems Contractor License Number 12/17/98
Certified Tank Contractor Signature	Date
William Morgan	12/17/98
Field Supervisor Name	Date

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

## Site No. 208 Secret Garden Gift Shop 941 N.E. Highway 19 Crystal River, Florida FDEP I.D. No. 099801727

SCANNED DOCUMENT SCORE TRACKING SHEET 099801727 5 17/97 Discharge Date ____ Facility ID Row (nonent Old Score_ Site Name Type File : Requested By: Rescore Score Initials Date STB Discharge # Scoring Packet Received by STB 10 1 Well Survey Checked/Requested 2 _____ No, go to # 8 Owner Verification Needed? : _____Yes Written Request to DEP for courthouse check 3 Written Approval received from DEP 4 Assigned to STB Field Office for Owner Verification 5 Branch Location _ Verification Received from STB Field Office 6 DEP Database Updated with Correct Owner Information 7 All Information Received for Scoring 8 Scored with PCT Updated & Letter Printed 9 Letter Mailed & Packet sent to STB Scanning 10 Letter Type (Circle One) A = Low Score, No CDF New Score B = High Score, CDF Requested C = PCPP High, CDF Requested (Date CDF requested must be transferred to CDF list) Scanned 11 Indexed Number of Pages: 13 NOTES ۰. 1AR1

208

Site Priority Ranking Sheet 099801727 Facility #: Low Site Name: Site Address: Latitude A Longitude Discharge Date: Criteria: No Yes Points Fire/Explosion Hazard: 1. Free product or volatilized petroleum products at or above 20% of the Lower Explosive Limit (LEL) in existing utility conduits or vaults, buildings or other inhabited confined spaces (60 points). 2. Ignitable free product on surface waters or impoundments (60 points). Threat to Uncontaminated Drinking Water Supplies: 1. Uncontaminated municipal or community well fields of greater than 100,000 gallons per day permitted capacity with a well within 1/2 mile of the site (30 points). PWS 6090317 DWDB SI HRS  $\langle ($  $\sqrt{1}$ Additionally: a. If the well field's 1 foot draw down contour is known to encompass the site regardless of the well field's distance from the site (20 points). or b. If the well field is located down gradient of the site (15 points). well's L.25mi 2. Uncontaminated private wells constructed prior to date of contamination discovery, or uncontaminated public water system well field with less than 100,000 gallons per day permitted capacity with a well within 1/4 mile of the site (20 points). SI HRS DWDB Additionally: a. If the well field's 1 foot draw down contour is known to encompass the site regardless of the well field's distance from the site (10 points). 0ľ b. If the well field is located down gradient of the site (5 points). 3. Uncontaminated surface water body used as a public water system supply within 1/2 mile of the site (10 points).

#### **Migration Potential:**

1. Source Characteristics (select only one)

a. Recent spills or free product found in wells/ boreholes (4 points) <u>except</u> free product of 2 inches or more in 2 or more wells/boreholes (6 points).

b. Recent product loss or wells/groundwater contaminated but no free product (2 points).

2. Product Type (select only one):

a. Light petroleum product (kerosene, gasoline, aviation fuel and similar petroleum products) with water soluble additives or enhancers (MTBE, ethanol and similar substances) (3 points).

b. Light petroleum product with no additives or enhancers (2 points).

c. Heavy petroleum product (fuel oil, diesel and similar petroleum products) (1 point).

#### **Environmental Setting:**

- 1. Site located in G-1 aquifer (4 points).
- 2. Site located in a G-2 aquifer (2 points).
- 3. Site located in high recharge/permeability geological area (4 points).
- 4. Site located within 1/2 mile of an Outstanding Florida Water (1 point).

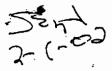
No

Points

Yes

**Total Points:** 

Comments: Date Signature



Well ID

LBIE

#### SUPER Act Survey Form 2112-Facility ID: 9801727 -County: 09 Number of Large public well (>100,00 gpd) within 1/2 mile: 1 Name: CRYSTAL RIVER CITY ROW PROPERTY Number of small public and private wells within 1/4 mile: 0 Address: 941 NE HWY 19 Investigator: Will Bryant Investigation: 1/25/02 City: CRYSTAL RIVER Comments: Central Water Area FL 32629 Signature: Well Use Case Material Capacity - GPM Name Diameter

AAC1479 40 Community Well

***CRYSTAL RIVER WELL 1** NW 5TH ST WELL Crystal River

FL 34429

**CITY ARTESIAN WELL** 

Black Steel

10

960

No petroleum indicator compounds (BTEX & MTBE) were detected in the most recent sample from this well Sample ID: 000309-022 Sample Date: 2/29/00

