

**DO NOT FILE ANY
CORRESPONDENCE AFTER
12/31/01 IN THIS FILE**

Sumter Co Compost
Op permit
file

Photo made 5/1/01

Time _____

Location SE BAC, Gainesville
for Summer COMP permit

Photo Taken By STP, SIS

Photo made _____, of _____

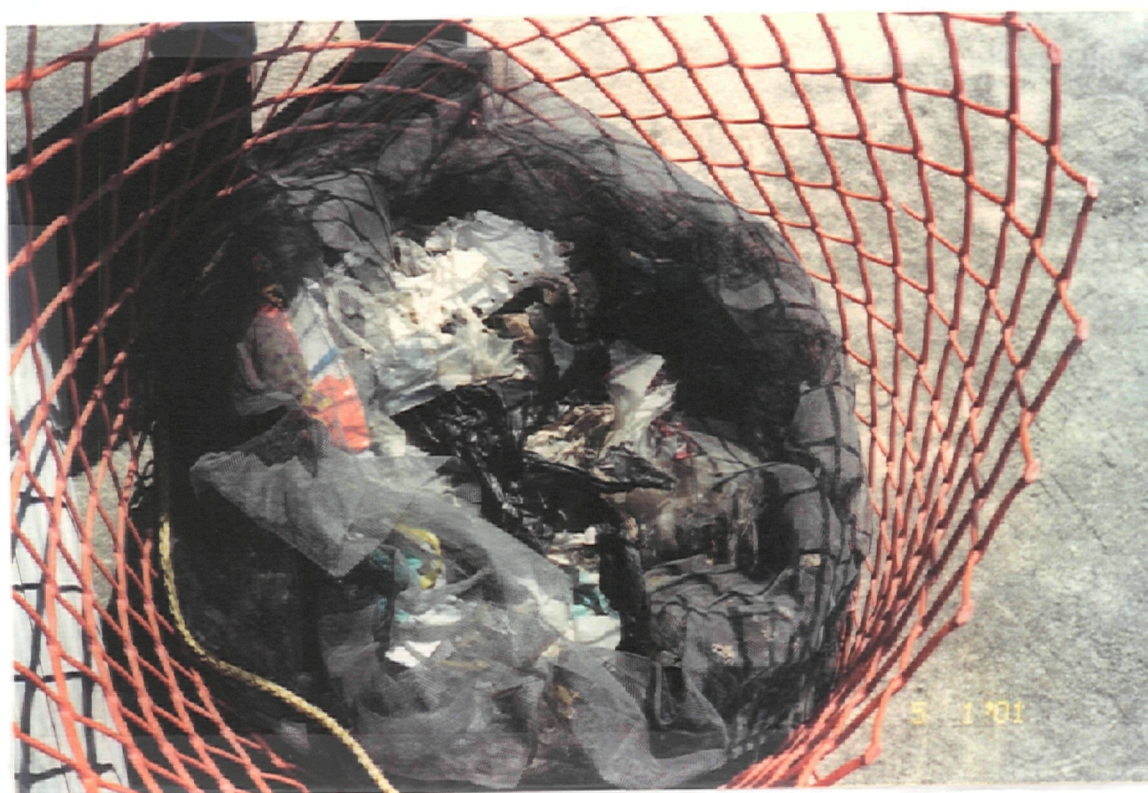
Time _____

Location _____

Photo Taken By _____

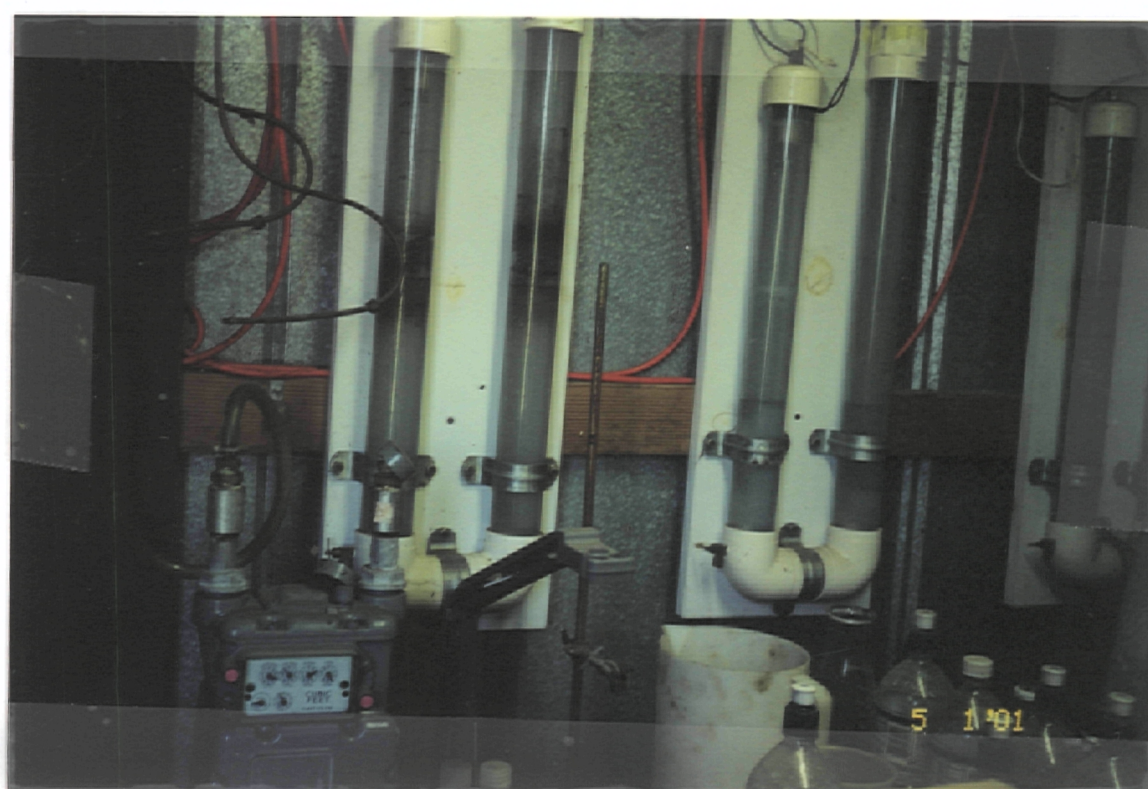


SEBAC,
GAINSVILLE
For Sumter
Lomp Permi
Sumter
County
5/01/01
SSP/
SIS











229.26
AD

**Sumter County Public Works
4th Quarter Air & Wastewater Sampling Event**

CTL FILE NO. 0084003.300

Conducted for

Mr. Gary Breeden

December 14, 2001

**D.E.P.
DEC 21 2001
Southwest District Tampa**



CENTRAL TESTING

LEESBURG, FLORIDA

LABORATORY

**Conducted and Prepared by
Patricia Snowdon, Environmental Specialist**

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

December 14, 2001

Sumter County Public Works
Mr. Garry Breeden
319 E. Anderson St.
Bushnell, FL 33513

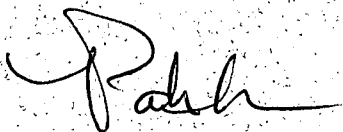
RE: Scrubber & Bio-filter Test Results
Sumter County Solid Waste Management Facility
Fourth Quarter 2001

Dear Mr. Breeden,

Central Testing Laboratory (CTL) has completed the Fourth quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. These samples were taken on November 26, 2001. The air was sampled prior to entering the scrubber, "A1", and at the outlet of the bio-filter, "A2". The air samples were tested for BTEX and TRPH. The results are attached for your use.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory



Patricia Snowdon
Environmental Specialist

Attachments

cc: Ms. Susan Pells, P.E.
Mr. Garry Breeden





Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9616
FAX (813) 630-4327

Client: Central Testing Lab
723 S. 14th St
Leesburg, FL 34748
Contact: Patricia Snowdon
Project Location: Sumter County Public Works


Report Number: T017080
Date Reported: 12/13/2001
Date/Time Sampled: 11/26/01 1335
Date/Time Received: 11/26/01 1730
Total Pages: 2 of 2

Project Number:
Matrix: Air
Date Analyzed: 11/27/2001
Analyst: ZAP

Volatile Aromatic in Air
EPA Method TO-3 Modified
Units: mg/m³

		Lab Code:	T017080-02
		Dilution Factor:	1
Analytes	MRL	Sample Name:	Before
Benzene	0.005		U
Toluene	0.005		0.051
Ethylbenzene	0.005		U
Total Xylene	0.01		U
Naphthalence	0.005		U
TRPH	0.1		0.2

Surrogate	Acceptance Limits	Percent Recovery
1-Bromo-4-chlorobenzene	70-135	104

Approved by: 

Michael L. Cammarata-Lab Manager

Lab ID: E82574
Compqap: 940242
U: Not detected above the MRL
MRL: Method Reporting Limit



Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9616
FAX (813) 630-4327

Client: Central Testing Lab
723 S. 14th St
Leesburg, FL 34748
Contact: Patricia Snowdon
Project Location: Sumter County Public Works

Report Number: T017080
Date Reported: 12/13/2001
Date/Time Sampled: 11/26/01 1325
Date/Time Received: 11/26/01 1730
Total Pages: 1 of 2

Project Number:

Matrix: Air

Date Analyzed: 11/27/2001

Analyst: ZAP

Volatile Aromatic in Air
EPA Method TO-3 Modified
Units: mg/m³

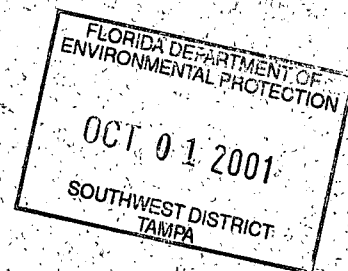
		Lab Code:	T017080-01
		Dilution Factor:	1
Analytes	MRL	Sample Name:	After
Benzene	0.005		0.0089
Toluene	0.005		0.41
Ethylbenzene	0.005		0.019
Total Xylene	0.01		0.053
Naphthalence	0.005		U
TRPH	0.1		4.6

Surrogate	Acceptance Limits	Percent Recovery
1-Bromo-4-chlorobenzene	70-135	105

Approved by: _____

Michael L. Cammarata - Lab Manager

Lab ID: E82574
Compqap: 940242
U: Not detected above the MRL
MRL: Method Reporting Limit



THIRD QUARTER 2001 AIR & WASTEWATER SAMPLING EVENT

CTL FILE NO. 0084003.300

Conducted for

**Sumter County Public Works
Mr. Gary Breeden**

September 18, 2001



**CENTRAL TESTING LABORATORY
LEESBURG, FLORIDA**

**Conducted and Prepared by
Patricia Snowden, Environmental Specialist**

229226

EB 0002407

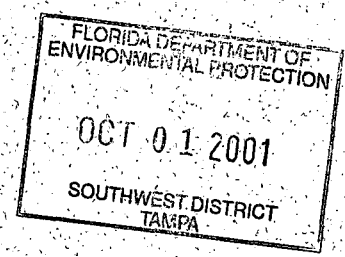
Central Testing Laboratory

Engineering and Materials Testing

Reply to:

September 19, 2001

F.D.E.P.
3804 Coconut Palm Dr.
Tampa, FL 33619
Attn: Ms. Susan Pells *Pells*



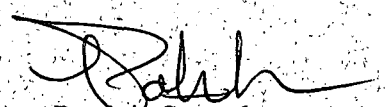
RE: Scrubber & Bio-filter Test Results
Sumter County Solid Waste Management Facility
Third Quarter 2001

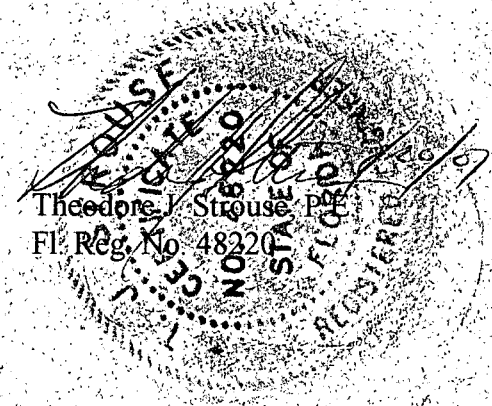
Dear Ms. Pells:

Central Testing Laboratory (CTL) has completed the Second quarter **air and scrubber water** sampling as required by Specific Conditions No. 10D of the composting permit. These samples were taken on 8/23/2001. The air was sampled prior to entering the scrubber, "A1", and at the outlet of the bio-filter, "A2". The air samples were tested for BTEX and TRPH. The results are attached for your use.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory


Patricia Snowdon
Environmental Specialist



Attachments

cc: Mr. Gary Breeden
Mr. Terry Hurst

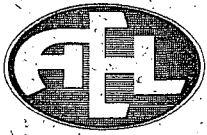
P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186





Client: Central Testing Lab.

Project Name: Sumter Co. Landfill

Project Number:

Report No.: J012979

Date Sampled: 8/23/01

Date Received: 8/24/01 10:00

Date Reported: 9/4/01

Attention: Patricia Snowdown

Phone Number: 352-787-1268

Address: 723 S. 14th Street
Leesburg, FL 34748

Project Description

The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody.

Project Name: Sumter Co. Landfill

Approved By:


Sean C. Hyde, Laboratory Manager

If you have any questions, the above named should be contacted at 904-363-9350.

Advanced Environmental Laboratories certifies that the test results in this report meet all requirements of the NELAC standards.

Advanced Environmental Laboratories, Inc.

Analytical Report

Client: Central Testing Lab.

Project Name: Sumter Co. Landfill

Matrix: Air

Report No.: J012979

Date/Time Sampled: 8/23/01 12:30

Date/Time Received: 8/24/01 10:00

Date Reported: 9/4/01

Sampled By: C.Coates

Shipping Method: Florida Overnight

Lab Code: J012979-01

Client Sample ID: A1

Volatile Organic Hydrocarbons

Analytes:	Lab	Dilution	MRL	Results	Units	Qual.	Analysis Method	Analysis Date/Time	Prep Method	Prep Date/Time	Analyst
Benzene	J*	1	0.005	U	mg/m3		Method 18	8/24/01			KB
Ethylbenzene	J*	1	0.005	U	mg/m3		Method 18	8/24/01			KB
Naphthalene	J*	1	0.005	U	mg/m3		Method 18	8/24/01			KB
Toluene	J*	1	0.005	U	mg/m3		Method 18	8/24/01			KB
TRPH	J*	1	0.1	U	mg/m3		Method 18	8/24/01			KB
Xylene (Total)	J*	1	0.01	U	mg/m3		Method 18	8/24/01			KB

Surrogates:	Control Limits	Percent Recovery	Qual.	Method	Analysis Date	Prep Method	Prep Date	Analyst
1-Bromo-4-chlorobenzene	70 - 135	85 %		Method 18	8/24/01			KB

U Not Detected Above the MRL

MRL Method Reporting Limit

J* Compqap certification #940242

Comment

Advanced Environmental Laboratories, Inc.

Analytical Report

Client: Central Testing Lab.

Project Name: Sumter Co. Landfill

Matrix: Air

Report No.: J012979

Date/Time Sampled: 8/23/01 12:35

Date/Time Received: 8/24/01 10:00

Date Reported: 9/4/01

Sampled By: C.Coates

Shipping Method: Florida Overnight

Lab Code: J012979-02

Client Sample ID: A2

Volatile Organic Hydrocarbons

Analytes:	Lab	Dilution	MRL	Results	Units	Qual.	Analysis Method	Analysis Date/Time	Prep Method	Prep Date/Time	Analyst
Benzene	J*	1	0.005	0.11	mg/m3		Method 18	8/24/01			KB
Ethylbenzene	J*	1	0.005	0.13	mg/m3		Method 18	8/24/01			KB
Naphthalene	J*	1	0.005	U	mg/m3		Method 18	8/24/01			KB
Toluene	J*	10	0.05	1.4	mg/m3		Method 18	8/24/01			KB
TRPH	J*	1	0.1	5.4	mg/m3		Method 18	8/24/01			KB
Xylene (Total)	J*	1	0.01	0.52	mg/m3		Method 18	8/24/01			KB

Surrogates:	Control Limits	Percent Recovery	Qual.	Method	Analysis Date	Prep Method	Prep Date	Analyst
1-Bromo-4-chlorobenzene	70 - 135	112 %		Method 18	8/24/01			KB

U Not Detected Above the MRL

MRL Method Reporting Limit

J* Compqap certification #940242

Comment



Complaint

Florida Department of Environmental Protection

COMPLAINT #: _____ PROGRAM AREA: SW OFFICE: Tampa COUNTY: Sumter
OPEN DATE: 7/18/01 STATUS: _____ PRIORITY: _____ REVIEWER: _____

COMPANY OR PERSON LODGING THE COMPLAINT

COMPANY: _____ JOB TITLE: _____
NAME: Richard Johnson
ADDRESS: 1160 CR 543 B TYPE: _____
CITY: Sumterville ST: FL ZIP: _____ - _____ PHONE: 352-793-3228
COUNTRY: USA

COMPANY OR PERSON AGAINST WHOM THE COMPLAINT IS LODGED

COMPANY: Sumter County Public Works JOB TITLE: _____
NAME: _____
ADDRESS: _____ TYPE: _____
CITY: _____ ST: _____ ZIP: _____ - _____ PHONE: _____
COUNTRY: USA

COMPLAINT DETAILS

DESCRIPTION: County is spreading compost on the shoulders of the roads. Resident objects due to the s
of the glass bits in the compost. Kids are playing in glass.

DIRECTIONS: Shoulders of CR 543B & 543A

RECEIVED BY: Steve Morgan MODE: Phone RECONTACT REQUESTED: _____
TIME EXISTED: _____ INITIAL DISPOSITION: _____

INVESTIGATION PROCEDURE & FINDINGS:

7/18/01 - Call Terry Hurst at the Sumter County Landfill and discuss his contacting the resident about this issue.

Terry to go & look & talk to Gary Breeden about rounded glass & filling compost into ground

-compost had been sold to Public Works

CONCLUSION/ACTION

Terry Hurst to handle complaint & contact Mr. Johnson

INVESTIGATION DATES:

7/18/01

TIME SPENT FIELD:

0

OFFICE:

0.5

TOTAL HOURS:

0.5

INVESTIGATED BY:

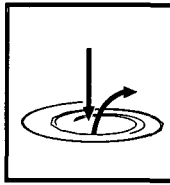
[Signature]

INVESTIGATION CLOSED:

yes

DATE:

7/18/01



kessler consulting inc.
innovative waste solutions

Sumter Co
Compost permit

TRANSMITTAL MEMORANDUM

TO: FORCE Technical Advisory Group Members
FROM: Miriam Zimms
DATE: September 27, 2001
SUBJ: June 13, 2001 Meeting – Follow-up Correspondence
KCI Project No. 9999

DEP.
OCT 03 2001
Southwest District Tampa

Thank you for attending the June 13 meeting of the Technical Advisory Group for the Florida Organics Recycling Center for Excellence. Activities are well underway, and I am pleased to say that things are moving forward in many areas.

As a follow-up to that meeting, I am enclosing the following items:

- Minutes of the June 13th Meeting
- Technical Advisory Group Contact List
- DEP Approved Year 1 Operating Plan and Budget
- DEP Approved Projected Activities for Years 2-5
- DEP Approved Quarterly Report to Florida Dept. of Environmental Protection
- FORCE Project Educational Brochure

A toll-free phone number was recently established for the FORCE project to handle any incoming calls regarding the project. This toll free number is: **800-566-4413**. As it was discussed during the June meeting, any project recommendations, questions and comments should be directed to me, Miriam Zimms. Please utilize the 1-800# for your inquiries.

The contact list is provided for your convenience and contains contact information for the TAG members. The contact list that is enclosed is only being distributed to TAG members and will not be

FORCE: TAG 092701.mem

distributed outside the FORCE project team.

Additionally, a website has been established to help in our efforts to promote the FORCE project to as wide an audience as possible. The web address is www.floridaforce.org, and I invite you to take a moment to browse the site. As you are aware, websites are “works in progress” and the site will be updated quarterly relative to project activity.

Our next TAG meeting has been scheduled for **Wednesday, January 23, 2002**. The meeting will commence at 9:30 am at the Public Works Department in Bushnell, Florida (the site of our previous meeting). Lunch will be provided. I encourage you to mark your calendar now. You will receive another reminder notice closer to the date of the meeting.

Please don't hesitate to contact me with any comments or suggestions you may have.

/ams

Enc.

Xc: Garry Breeden, FORCE Co-Director
Wayne Smith, FORCE Co-Director
Everett Emينو, Project Manager
Denise Warnock, Sumter County
Mitch Kessler, Kessler Consulting, Inc.

Minutes of the Technical Advisory Group Meeting
Florida Organics Recycling Center for Excellence
Sumter County Public Works Department
Bushnell, Florida
June 13, 2001

Co-Director Garry Breeden welcomed everyone to Sumter County, and thanked everyone for attending. Miriam Zimms provided a broad overview of the FORCE project. The participants then introduced themselves, stating their name and what entity they represented, and their objectives for the project.

- Mike Pape, representing the citrus industry.
- Josh Boan, representing the Florida Dept of Transportation. Mr. Boan is a soil scientist at Univ. of Florida. What organic measurement - finish soil layer - end user. Mr. Boan suggested that FORCE through University of Florida submit a research proposal to FDOT and mentioned that he would guide it through the proper channels so that it receives consideration.
- Amy Maxwell, attending for Myra Campbell, representing Georgia Pacific. Ms. Maxwell, Forestry Land - 15-20 miles delivery.
- Dr. Wayne Smith, Co-Director of FORCE. Dr. Smith is the Director and a Professor at the School of Forest Resources & Conservation at the Univ. of Florida and has been involved with the solid waste industry and composting since the 1970s. Dr. Smith's interest in the FORCE project is academic in nature, but is very hopeful that the project will provide solutions for many composting questions and dilemmas in Florida.
- Dr. Everett Emino introduced himself as the FORCE project manager for the University of Florida IFAS. Dr. Emino mentioned that he would be responsible for managing the research and demonstration portion as well as the education component of the FORCE project.
- Jeff Rogers, currently of Synagro, and previously affiliated with Allgro Compost. His company markets compost to high end users such as the turf grass industry and the citrus industry. Mr. Rogers asked if the FORCE project could support future research projects relative to his industry's issues. Mr. Rogers mentioned that his company might be willing to fund a research project. He also mentioned that his company might be able to provide some transportation assistance to the FORCE project through backhaul opportunities.
- David Shelley, representing Shelley's Septic, a company that land-applies septic waste. He services municipal and residential customers. Believes FORCE should provide educational services to government agencies. He'd like to see more uniformity between the DEP districts. Interested in the "yard trash" definition and the

creation of a BMP manual for the composting industry. Mr. Shelly mentioned that he is in need of product.

- Chris Snow, representing the Florida Organics Recyclers Association (FORA) division of RecycleFlorida Today (RFT), the state's recycling organization. Mr. Snow wants to work closely with FORCE to help advance the composting industry in Florida.
- Dr. Joan Bradshaw, representing the Institute of Food & Agricultural Sciences at the Univ. of Florida. Dr. Bradshaw is also a member of FORA and is interested in the education emphasis and providing education assistance. Dr. Bradshaw encouraged FORCE staff to pursue funding utilizing Florida's drought conditions as a marketing point for securing additional funds for the project.
- Francine Joyal of the Florida Dept of Environmental Protection. Ms. Joyal is the Project Manager and is attending the TAG meetings to listen and manage the project.
- Ken Ezell of the Clifton, Ezell & Clifton Golf Design Group. As it is difficult to ascertain permitting for new golf courses, Mr. Ezell's objectives are to utilize organics, use less water, and improve the soil on courses his company designs. Mr. Ezell indicated the possibility of his suppliers donating irrigation equipment to the FORCE project, and would like to see a demonstration site consisting of a model fairway and green built (CA Green & USGA Green) at FORCE to showcase organic product usage.
- Dick Hufnagel - MSW compost. Dust produced goes into air pocket space of compost mix, therefore, compost mix he receives is often "lousy." Sarasota County is about the only good compost product in Florida that he has utilized. Would like to see FORCE staff provide a quarterly progress report to TAG and count the services of the TAG as in-kind contributions. Mr. Hufnagel requested a tour of the existing Sumter County Solid Waste Facility. Mr. Hufnagel was asked to contact Miriam Zimms to arrange a tour.

Other Items Discussed Included:

Composting in the Southeast Conference & Expo: FDEP: 1) local issue; 2) state

The installation timeline for the digester was discussed and the DEP mentioned that additional information might be needed within 60 days regarding the proposed Year 1 Operating Plan and Budget.

The TAG agreed that committee meetings would take place twice per year; next meeting will be scheduled for late January 2002. Quarterly reports will be mailed to TAG members.

As the meeting drew to a close, using the procedures of general consent, the FORCE Year 1 Operating Plan and Budget passed unanimously.

Florida Organics Recycling Center for Excellence – Contact Information

Sector	LastName	FirstName	Company	Telephone	Fax	E-mail Address	2nd E-mail
<u>FORCE CO-DIRECTORS</u>							
	Breeden	Garry	Sumter County	(352) 793-0240	(352) 793-0247	gbreeden@scpw.org	dwarnock@scpw.org
	Wayne	Smith	University of Florida	(352) 846-0850	(352) 392-1707	whsmith@ufl.edu	mlme@ufl.edu
<u>TECHNICAL ADVISORY GROUP (TAG)</u>							
Department of Transportation							
	Boan	Josh	Florida Department of Transportation	(850) 922-7208	(850) 922-7217	joshua.boan@dot.state.fl.us	
Dept. of Agriculture - Organic Foods							
	Dubberly	Dale	Dept. of Agriculture & Consumer Services	(850) 488-8731	(850) 488-8498	dubberd@doacs.st.fl.us	
End Users: Citrus Industry							
	Pape	Mike	Agricultural Resources Management				
	Zeigler	Mike					
End Users: Golf Industry							
	Ezell	Kenneth C.	Clifton, Ezell & Clifton Golf Design Group	(407) 860-1223	(407) 860-4322	cecgolf@bitstorm.net	
End Users: Horticulture							
	Batson	Gene	Batson's Greenhouse Inc.	(352) 383-1621/735-6835			
End Users: Peat/Soil Blender							
	Hufnagel	Dick	C&C Peat Co., Inc.	(352) 429-5808	(352) 429-5808		
End Users: Sod							
	Todd	Charles E.	Zellwin Farms Co. - Sod	(352) 315-8783	(352) 315-1792	zellwinfarmssod@earthlink.net	
End Users: Thoroughbred Breeding							
	DiMare	Sheila	Rising Hill Farm	(352) 237-5170	(352) 854-0755	risinghi@atlantic.net	
Feedstock: Forestry							
	Carpenter	Myra	Georgia Pacific	(386) 325-2001	(386) 328-0014	mjcarpen@GAPAC.com	ajmaxwel@gapac.com

Sector	LastName	FirstName	Company	Telephone	Fax	E-mail Address	2nd E-mail
Feedstock: Poultry							
	Smith	Charles R.	Florida Poultry Federation	(813) 628-4551	(813) 620-4008	fof290@prodigy.net	
Horticulture - Field Crops							
	Roe	Nancy	Farming Systems Research, Inc.	(561) 638-2755	(561) 737-4402	nroe@bellsouth.net	
Marketing & Education							
	Bradshaw	Joan P.	City of St. Petersburg	(727) 892-5688	(727) 823-9152	jpbradsh@stpete.org	
	Rogers	Jeffrey F.	AllGro Compost	(863) 869-8939	(863) 869-9530	twindi@earthlink.net	
Private Sector Processing							
	Peterson	Roger	Peterson Organics	(727) 898-7488	(727) 898-7498		
Processing: Biosolids							
	Shelley, Jr.	David	Shelley's Septic Tanks	(407) 889-8042	(407) 889-4408	bshelley@shelleysseptic.com	
Trade Associations							
	Snow	Chris	Hillsborough County	(813) 276-8408	(813) 276-2960	snowc@hillsboroughcounty.org	
<u>EX-OFFICIO MEMBERS</u>							
Project Manager, FORCE							
	Emino	Everett	University of Florida	(352) 392-7935	(352) 392-3870	everettemino@mail.ifas.ufl.edu	
Research Manager, FORCE							
	Zinati	Gladis	University of Florida	(352) 392-9806	(352) 392-3870	gmz@mail.ifas.ufl.edu	
Project Coordinator, FORCE							
	Kessler	Mitch	Kessler Consulting, Inc.	(813) 971-8333	(813) 971-8582	mkessler@kesconsult.com	asummitt@kesconsult.com
	Zimms	Miriam	Kessler Consulting, Inc.	(813) 971-8333	(813) 971-8582	mzimms@kesconsult.com	asummitt@kesconsult.com
Dept of Environmental Protection							
	Joyal	Francine	DEP FORCE Project Manager	(850) 488-0300	(840) 414-0414	francine.joyal@dep.state.fl.us	
	Pelz	Susan	DEP – Southwest District	(813) 744-6100	(813) 744-6084	susan.pelz@dep.state.fl.us	

Note: (All correspondence and communication regarding the FORCE project should go through Miriam Zimms.)

Florida Organics Recycling Center for Excellence – FORCE

Initial Operating Plan

The Florida Organics Recycling Center for Excellence (FORCE) represents a cooperative effort involving the Florida Department of Environmental Protection (FDEP), Sumter County, and the University of Florida's Institute of Food and Agricultural Sciences (UF/IFAS). Organics represents a highly recyclable portion of the state's waste stream. The need for environmentally sound, economically feasible methods, and practical and applicable solutions for recycling and utilizing organics, and agricultural wastes will be addressed through this project. Sumter and UF/IFAS will cooperate in numerous organics research projects, and the partnership will offer an ideal combination of practical experience, research capability, and public education resources.

The following outline represents the necessary tasks for Year One and the contributions by the program partners.

1. Design

- 1.1. Engineering, planning, construction and inspection
 - 1.1.1. Prepare site plan modifications
 - 1.1.2. Finalize site plan modifications
 - 1.1.3. Implement site plan modifications
- 1.2. Plan certification and permitting
 - 1.2.1. Meet with DEP regarding modifications.
 - 1.2.2. Draft necessary DEP permits to construct and operate Center
 - 1.2.3. Seek county approval of documents.
 - 1.2.4. Prepare documents for DEP certification.

2. Construction

- 2.1. Office space/trailer
 - 2.1.1. Determine functioning needs for and size of trailer
 - 2.1.2. Gather quotes from vendors
 - 2.1.3. Prepare site at SCSWF for trailer placement
 - 2.1.4. Procure and install trailer for functional use
- 2.2. Demonstration farm site preparation
 - 2.2.1. Perform necessary site preparations for farm
- 2.3. Installation of digester
 - 2.3.1. Prepare design, delivery, and installation requirements
 - 2.3.2. Secure vendor
 - 2.3.3. Order equipment
 - 2.3.4. Install digester

2.4. Laboratory

- 2.4.1. Design and equip laboratory
- 2.4.2. Identify equipment needs
- 2.4.3. Purchase equipment
- 2.4.4. Secure, install and make operational

2.5. Irrigation system

- 2.5.1. Review current system and irrigation needs
- 2.5.2. Secure vendor
- 2.5.3. Order and install equipment
- 2.5.4. Coordinate and oversee installation

3. Operation

3.1. Process technology procurement and testing

- 3.1.1. Develop criteria for technology
- 3.1.2. Prepare Statement of Expression of Interest
- 3.1.3. Identify composting technology
- 3.1.4. Evaluate composting technology
- 3.1.5. Recommend equipment technology for testing

3.2. Feedstock procurement and processing

- 3.2.1. Identify potential feedstock
- 3.2.2. Identify feedstock sources
- 3.2.3. Determine processing requirements
- 3.2.4. Initiate processing as appropriate

3.3. Administrative costs, supplies, and travel

- 3.3.1. Travel to and from site
- 3.3.2. Purchase appropriate administrative support

4. Market Development, Education, and Training

4.1. Educational analysis, outreach and website

- 4.1.1. Identify composting education sources and outlets in the state
- 4.1.2. Recommend types of education material
- 4.1.3. Develop and market education material
- 4.1.4. Develop FORCE website

4.2. Technical Advisory Committee (TAC)

- 4.2.1. Conduct TAC meeting
- 4.2.2. Notify TAC as appropriate

4.3. Market Development

- 4.3.1. Partner with RecycleFlorida Today (RFT) and other industry organizations to develop markets for public and private agencies

D.E.P.
OCT 03 2001
Southwest District Tampa

- 4.4. Conferences and meetings
 - 4.4.1. Present the FORCE project at conference(s)
 - 4.4.2. Participate in organizational association meetings to promote FORCE
- 4.5. Demonstration farm operations
 - 4.5.1. Identify appropriate demonstrations
 - 4.5.2. Select organic products to employ
 - 4.5.3. Install demonstrations
- 5. Evaluation, monitoring and testing**
 - 5.1. SAC protocol development
 - 5.1.1. Identify SAC members
 - 5.1.2. Convene SAC meeting
 - 5.1.3. Develop protocol
 - 5.2. Feedstock and products testing
 - 5.2.1. Develop sampling protocol
 - 5.2.2. Implement testing protocol
 - 5.3. Environmental monitoring
 - 5.3.1. Develop monitoring protocol
 - 5.3.2. Implement monitoring protocol
- 6. Project Management**
 - 6.1. Personnel
 - 6.1.1. Identify personnel needs
 - 6.1.2. Recruit personnel
 - 6.1.3. Hire personnel
 - 6.1.4. Initiate project tasks
 - 6.2. Administration Fees
 - 6.2.1. Indirect Costs
 - 6.3. Annual work plans and budgets
 - 6.3.1. Develop annual workplans and review budgets
 - 6.4. Project coordination and administration
 - 6.4.1. Coordinate project meetings, deliverables and project tasks
 - 6.4.2. Facilitate project meetings and project communication

FLORIDA ORGANICS RECYCLING CENTER FOR EXCELLENCE
Year 1 Operating Budget

Project Task	Task Manager	Year 1 03/01 - 06/02	Year 2 06/02 - 06/03	Year 3 06/03 - 06/04	Year 4 06/04 - 06/05	Year 5 06/05 - 06/06	
1. DESIGN							
1.1 engineering, planning, construction and inspection	Sumter County (SC)	\$25,000	\$7,500	\$7,500	\$5,000	\$5,000	
1.2 plan certification and permitting	Sumter County	\$25,000	\$7,500	\$7,500	\$5,000	\$5,000	
Total for DESIGN		\$50,000	\$15,000	\$15,000	\$10,000	\$10,000	\$100,000
2. CONSTRUCTION/MAINTENANCE							
2.1 office space/trailer	Sumter County	\$34,000	\$0	\$0	\$0	\$0	
2.2 demonstration farm site preparation & maintenance	University of FL/Sumter Cty.	\$10,000	\$10,000	\$10,000	\$10,000	\$5,000	
2.3 installation & maintenance of digester	Sumter County	\$1,700,000	\$3,000	\$2,500	\$2,500	\$2,000	
2.4 laboratory	University of Florida (UF)	\$10,000	\$5,000	\$2,000	\$1,000	\$500	
2.5 irrigation system and maintenance	Sumter County	\$3,000	\$1,000	\$1,000	\$1,000	\$1,000	
Total for CONSTRUCTION		\$1,757,000	\$19,000	\$15,500	\$14,500	\$8,500	\$1,814,500
3. OPERATION							
3.1 process technology procurement and testing	Kessler Consulting (KCI)	\$25,000	\$25,000	\$25,000	\$15,000	\$0	
3.2 feedstock procurement / processing	University of Florida	\$5,000	\$25,000	\$30,000	\$30,000	\$2,000	
3.3 admin. costs - supplies, travel	University of Florida	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
Total for OPERATION		\$35,000	\$55,000	\$60,000	\$50,000	\$7,000	\$207,000
4. MARKET DEVELOPMENT, EDUCATION, TRAINING							
4.1 educational analysis and outreach, website	SC, UF, KCI	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	
4.2 technical advisory committee (TAC)	Kessler Consulting	\$5,000	\$7,500	\$7,500	\$7,500	\$7,500	
4.3 market development	SC, UF, KCI	\$0	\$25,000	\$30,000	\$30,000	\$30,000	
4.4 conferences and meetings	SC, UF, KCI	\$5,000	\$7,000	\$7,000	\$7,000	\$7,000	
4.5 demonstration farm operations	University of Florida	\$5,000	\$20,000	\$25,000	\$25,000	\$10,000	
Total for MARKET DEVT, EDUC, TRAINING		\$40,000	\$84,500	\$94,500	\$94,500	\$79,500	\$393,000
5. EVALUATION/MONITORING/TESTING							
5.1 SAC protocol development	University of Florida	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	
5.2 feedstock and products testing	University of Florida	\$5,000	\$20,000	\$25,000	\$25,000	\$25,000	
5.3 environmental monitoring	University of Florida	\$5,000	\$10,000	\$15,000	\$20,000	\$20,000	
Total for EVALUATION/MONITORING/TESTING		\$15,000	\$35,000	\$45,000	\$50,000	\$50,000	\$195,000
6. PROJECT MANAGEMENT							
6.1 personnel	University of Florida	\$100,000	\$102,000	\$102,000	\$102,000	\$102,000	
6.2 administration fees - indirect costs	University of Florida	\$8,035	\$0	\$0	\$0	\$0	
6.3 annual work plans and budgets	SC, UF, KCI	\$15,000	\$10,000	\$10,000	\$10,000	\$10,000	
6.4 project coordination and administration	Kessler Consulting	\$50,000	\$42,500	\$42,500	\$42,500	\$41,965	
Total for Project Management		\$173,035	\$154,500	\$154,500	\$154,500	\$153,965	\$790,500
GRAND TOTAL		\$2,070,035	\$363,000	\$384,500	\$373,500	\$308,965	\$3,500,000
Balance Remaining		\$0					
Total Appropriated Funds		\$3,500,000					

FORCE Activities – SW204

Projection for Years 2 - 5

The Florida Organics Recycling Center for Excellence (FORCE) was created to centralize a facility capable of promoting and supporting focused, comprehensive, and integrated organics recycling throughout the State of Florida. The FORCE project is a cooperative effort between Sumter County, the University of Florida, and the Department of Environmental Protection. The partnership between these entities offers an ideal combination of practical experience, research capability, and public education resources. FORCE is designed to provide the structure necessary to develop Florida's organics recycling infrastructure and to support it with research and development of processing and marketing technologies.

The general projection of activities for Years Two through Five will be accomplished in the following six areas: design, construction, operation, market development, education and training, evaluation, monitoring and testing, and project management. These six project activities to meet the FORCE objectives are listed and described below.

1.0 Design

It is anticipated that the installation of the in-vessel compost digester dedicated to FORCE research activities will be completed in Year One. Following Year One, design activities will include ongoing engineering site work activities to construct the 40-acre demonstration farm, education facility, and compost processing equipment for FORCE technology testing activities.

2.0 Construction

It is anticipated that the installation of the in-vessel compost digester dedicated to producing compost feedstock and an office laboratory dedicated to University research activities will be on site by the end of Year One. Following Year One, construction activities for the 40-acre demonstration farm and installation and maintenance of an irrigation system will continue. Laboratory enhancements or expansions will be made as needed during the duration of the project to support research and demonstration activities. Additionally, maintenance to the in-vessel digester will continue.

3.0 Operation

It is anticipated that operational activities will include but not be limited to active compost

processing operations; procuring and transporting feedstock; identifying, procuring and testing processing equipment and technology; and activities for preparing finished compost for demonstration farm and market applications.

4.0 Market Development, Education, and Training

It is anticipated that market development will include a wide range of activities such as organics product development and testing; distribution of organics products and product information to Florida end-use markets; and outreach programs for end-use markets. The project team will take existing knowledge about organic waste as well as research results and the beneficial impacts of processing technology innovation from the FORCE project and develop that information into educational materials. Further, as research results become available mini field days will be conducted so interested parties can see the results of the demonstration projects firsthand. This aspect will focus both on feedstock end-use so organic waste is viewed as a resource for organic products rather than a waste stream dilemma.

The farm demonstration aspect will take the best results of research and compare with traditional methodology. For example, yard trash composted with biosolids could result after screening into a stabilized wood chip for landscape mulch and a smaller fraction for flowerbed amendment.

The FORCE Technical Advisory Group (TAG) will continue to meet twice per year to discuss and review FORCE activities, project objectives and annual operating plans and budgets.

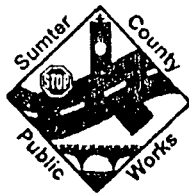
5.0 Evaluation, monitoring and testing

It is anticipated that FORCE will evaluate organics feedstock blends and end-products and demonstrate their safe, beneficial use to support market development and educational outreach activities and to address environmental concerns. The evaluation, monitoring and testing component will utilize the research and demonstration farm site at the Sumter County landfill and potentially other sites to accomplish the goals and objectives of FORCE. Emphasis will be placed on feedstocks resulting in products to accomplish a desired end product use. Examples include such factors as water holding capacity and water use, mineralization of organic matter and fertilizer use, and leaching. These are contemporary issues that organic waste converted to useful products may

address.

6.0 Project Management

The FORCE project team will continue to coordinate and manage all project activities and administrative functions as well as develop annual work plans and budgets as required by the DEP contract. Currently, the FORCE project team meets on a monthly basis and corresponds via other venues throughout the month for completing project activities. The project team will continue to correspond and meet through this same process for the duration of the project term.



319 E Anderson Avenue
Bushnell, FL 33513-6152
(352) 793-0240
(352) 793-0247 Fax

Sumter County Public Works

July 18, 2001

Francine Joyal
Project Manager
Florida Department of Environmental Protection
MS 4565, 2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: DEP Agreement No. SW204 – Sumter County FORCE Documents

Dear Francine:

Thank you for your comments with regard to the Initial Operating Plan and other FORCE related project management issues in your July 11, 2001 letter correspondence. As you requested, I have enclosed a revised Plan and Budget, wherein the bullets have been replaced with numbers to allow for easier tie-in to the Tasks on the Operating Budget. Additionally, I will provide to you the general projected activities for Years Two through Five within 30 days or by August 11th, the deadline referenced in your letter.

In addition, in accordance with Sumter County's agreement SW204 with the Department of Environmental Protection, I have attached and am submitting the following two documents for your review.

- 1) Year 1, Quarterly Report of the Activities Performed During the Period Ending June 30, 2001
- 2) Attachment D of Agreement SW204, Advance Payment - Interest Earned Memorandum

In regards to Attachment D, Sumter County submitted a correspondence letter and check in the amount of \$284.22 on July 12, 2001 to the Department for the amount of interest earned on SW204- FORCE advances during June 2001.

In regards to invoicing for the period ending June 30, 2001, invoices from subcontractors or for services performed were not paid until after July 1, 2001. Since there was no expenditure activity for the period, the County is not submitting Attachment E, Payment Request Summary Form. We anticipate submitting Attachment E for expenditures shortly.

We welcome any comments or suggestions on any of these items and appreciate a timely review of these documents.

Garry Breeden, Director
Tommy Hirst, Assistant Director

Should you have any further questions, please contact me at your earliest convenience.

Sincerely,



Garry Breeden
Grantee Project Director
FORCE

cc: Wayne Smith, Co-Director, FORCE
Miriam Zimms, Kessler Consulting, Inc.

GB/mz

Enclosures

Revised Year 1 Operating Plan

Revised Year 1 Budget

Quarterly Report, Period Ending 6/30/01

Attachment D: Advance Payment – Interest Earned Memorandum

Florida Organics Recycling Center for Excellence (FORCE) – SW204
YEAR 1 QUARTERLY REPORT
For the Period Ending June 30, 2001

1.0 Design:

1.1 Engineering, Planning, Construction, and Inspection:

No activity to report for the period.

1.2 Plan Certification and Permitting:

Sumter County prepared for the meeting and met with the Southwest district DEP office in Tampa on April 3rd to discuss the FORCE project and proposed site modifications to the solid waste facility, as well as invite the regional representative to attend the Technical Advisory Group committee meetings.

2.0 Construction and Maintenance:

2.1 Office Space Trailer:

Preliminary discussions with vendor regarding modular office/laboratory and layout design. Identification and design discussions of modular office/laboratory layout design.

2.2 Demonstration Farm Site Preparation and Maintenance

No activity to report for the period.

2.3 Installation and Maintenance of Digester:

The county made preparations for and began preliminary dialogue with vendor(s) regarding the construction, delivery and installation of the digester at the Sumter County Solid Waste Facility in Lake Panasoffkee, FL. Preliminary discussions indicate that the digester can be delivered and installed by the end of calendar year 2001.

2.4 Laboratory:

Same as 2.1.

2.5 Irrigation System and Maintenance

No activity to report for the period.

3.0 Operation

3.1 Process Technology Procurement and Testing:

No activity to report for the period.

3.2 Feedstock Procurement/Processing:

No activity to report for the period.

FORCE

Quarterly Report

Period Ending June 30, 2001

3.3 Administrative Costs – Supplies and Travel:

No activity to report for the period.

4.0 Market Development, Education, and Training

4.1 Educational Analysis and Outreach, Website

Press releases were prepared and distributed to three trade publications, Composting News, Biocycle, and RecycleFlorida Today (RFT). A presentation was made by FORCE Co-Director, Wayne Smith, at the RFT Annual Conference in St. Petersburg Beach on June 7th. The Southeast Composting Conference will be held in the North Tampa area in the fall of 2002 and the FORCE co-directors are evaluating sponsorship and hosting opportunities.

4.2 Technical Advisory Group (TAG) Committee Meetings:

Preparation for FORCE TAG meeting, including agenda items, handouts, notification to and follow-up with TAG members regarding meeting. As required by the contract, Sumter County published an announcement in the Florida Administrative Weekly and notified DEP of this forthcoming announcement. On June 13th, the FORCE co-director's prepared and held a technical advisory group committee meeting at the Sumter County Public Works Department conference room in Bushnell, Florida. The TAG was presented with and unanimously passed the FORCE Annual Work Plan and Budget presented by Sumter County at the June 13th meeting.

4.3 Market Development

FORCE project team members prepared for and participated in the FORA sponsored Department of Transportation networking reception in DeLand on May 14, 2001 targeting the Highway Beautification DOT regional staff members.

4.4. Conferences and Meetings

No activity to report for the period.

5.0 Evaluation, Monitoring, and Testing

5.1 SAC Protocol Development

No activity to report for the period.

5.2 Feedstock and Products Testing:

(Plant Growth Studies)

Dr. Everett R. Emimo, as part of his ongoing research with cultural systems of specialty cut flowers has added a compost component to this work. Three ground beds have been created and divided into four sections at the University of Florida. The sections were treated with 0, 5, 10, and 20 cubic feet of Sumter County compost roto-tilled into the existing soil at a depth of six inches. The compost rates approximate 0, 25, 50, and 100 tons per acre at a 50 percent moisture level. Sunflower

(*Helianthus annuus*) and Zinnia (*Zinnia elegans*) are the model plants used in this study and planted sequentially at weekly intervals. Preliminary observations indicate the compost treatments are supporting growth the same as and in some cases better than the controls. No deleterious effects have been observed.

Similarly, a greenhouse pot experiment using compost as a growing media component is underway at the University of Florida with two commercial growing media being supplemented with 25, 50 and 100 percent rates of compost. Again, no deleterious effects have been noted even at the 100 percent rate.

5.3 Environmental Monitoring

No activity to report for the period.

6.0 Project Management

6.1 Personnel:

(University of Florida)

A job description was developed for the postdoctoral position. The description was distributed to three national disciplinary mailing lists and one list targeting researcher/educators who focus on compost research. Applicants were evaluated against the position description and Dr. Gladis Zinati was identified as the most qualified person that applied. Dr. Zinati was offered the job and accepted and will start September 4, 2001. Dr. Zinati has a Ph.D. in soil science from Michigan State University and has an established record of accomplishment with compost research. Currently, position descriptions are under development for the Agricultural Assistant and for the Multi-county Extension Educator.

6.2 Administrative Fees – Indirect Costs:

No activity to report for the period.

6.3 Annual Work Plans and Budgets:

The co-directors prepared the Year One Operating Plan and Budget to the DEP for approval on June 15, 2001.

6.4 Project Coordination and Administration:

(Co-Director's Monthly Planning Meeting)

The co-directors, Garry Breeden, Sumter County, and Dr. Wayne Smith, University of Florida, meet on the second Wednesday of every month and generally hold their meetings at the SCSWF. FORCE Project Manager, Everett Emينو, and Sumter County subcontractor, Kessler Consulting, also attend these monthly planning meetings.

ATTACHMENT D
ADVANCE PAYMENT – INTEREST EARNED MEMORANDUM

TO: Francine Joyal
MS 4565
FROM: Gail Odom, Finance and Accounting Director
Bureau of Finance and Accounting
DATE: July 18, 2001
SUBJECT: Advance Payment - Contract No. SW204
Interest Due to DEP: (As per the contract, all interest earned shall either be returned to the Department within 30 days of each calendar quarter or be applied against the Department's obligation to pay under this agreement.)

Pursuant to Section 216.181(15)(b), Florida Statutes, advance payments may be required to be deposited into an interest bearing account until all funds have been depleted. In order to comply with this statute, advance approval of the Comptroller, and the terms of the above referenced contract, the following information is needed for our records **no later than July 25, 2001.**

	Advance funding disbursed (<u>June 5, 2001</u>)	<u>\$ 150,000.00</u>
1.	Advanced funds expended by contractor covering period of (<u>March 21, 2001</u>) to (<u>June 30, 2001</u>)	<u>\$ -0-</u>
2.	Balance advance funding principle available	<u>\$ 150,000.00</u>
3.	Interest earned on advanced funds covering period of (<u>March 21, 2001</u>) to (<u>June 30, 2001</u>)	<u>\$ 284.22</u>
4.	Amount of interest paid to DEP as of (<u>June 30, 2001</u>)	<u>\$ 284.22</u>
5.	Balance Due to DEP as of (<u>June 30, 2001</u>)	<u>\$ -0-</u>

(DEP Grant Manager's Signature) (Date)

Special Instructions: If the grant/contract specifies that any accrued interest, which is based upon a grant/contract advance payment(s) will not be paid to DEP until after termination of the grant/contract, the advance fund recipient shall complete report items 1 and 2 only for the first three quarters of the state's fiscal year. The report for the state's fourth fiscal year quarter shall include items 1, 2, 3, 4, and 5. Items 3, 4, and 5 will be the life to date interest

If the contract states that no interest is due, quarterly reports of unexpended advances are required, lines 1 and 2.

The line 1 and 2 reported amounts are on a cash basis for the advance payment principle. Do not include receivables, payables, or interest previously paid to DEP.

If the grant/contract requires quarterly accrued interest payments to DEP, the fund recipient must complete items 1 through 5 for each quarterly report.

Payments of interest due to DEP shall be paid within the specifications of the contract/grant.

Thank you for your cooperation in providing the above information. If you have questions, please contact Michael Clark (850) 488-6439 in the Contracts Disbursement Section.

GO/mc

SP-

LOOK WHAT
I FOUND!
MAYBE THIS IS
THE THING THAT
MJ WAS
REFERRING TO?

JM JRM
Draft

TO: Directors of District Management
District Waste Program Administrators

FROM: John M. Ruddell, Director
Division of Waste Management

DATE: January 2001

SUBJECT: Reuse of Solid Waste

This memo is a follow-up to our discussion at the December 6-7 Waste Program Administrators meeting and is intended to summarize the current policies and procedures used to evaluate requests to land apply solid waste for beneficial reuse. In addition, this memo will also serve as instructions to you and your staff for how to proceed with the review of these requests on a case-by-case basis.

The Solid Waste Section has been instructed to initiate rulemaking as soon as practical on a rule which would regulate the reuse of solid waste. The actual drafting of this rule will not start until after the amendments to Chapter 62-701, Florida Administrative Code (F.A.C.) are adopted which should be sometime in February or March, 2001. This new rule will attempt to accomplish the following:

1. Establish clear procedures to be followed by the regulated community and Department staff in submitting and reviewing reuse requests;
2. Codify acceptable sampling and testing protocols for various different kinds of solid waste proposed for reuse;
3. Establish target levels for contaminants in the solid waste which, if met, would provide reasonable assurance that the reuse would not result in a significant threat to public health or the environment; and
4. Set forth alternate mechanisms which might allow reuse of solid waste which contained contaminants exceeding the target levels.

As a reminder, no one should be using the soil cleanup target levels (SCTLs) found in Chapter 62-777, F.A.C. when evaluating reuse projects. Understanding that the SCTLs have been used

MEMORANDUM
January, 2001
Page Two

only as guidance in the past, it is nonetheless inappropriate to use Chapter 62-777, F.A.C. for anything outside of the programs referenced in that rule. This means that when a request to reuse solid waste is received, it should be evaluated on a case-by-case basis. Until a reuse rule is adopted, such requests should be evaluated based solely on the potential impacts to ground water, surface water, and air quality, in accordance with Sections 403.7045(1)(e) and (f), Florida Statutes, (F.S.). Generally speaking, the Department does not have the authority to approve or deny the use of products, and our response to reuse requests should reflect this. All we should be saying is that the reuse project either meets the criteria of Section 403.7045 F.S. and is therefore exempt from regulation as solid waste, or it isn't. If we are asked to give written approval or endorsement of a product as being safe, we should decline to do so since we are not able to require an evaluation of potential affects on public health.

There are, however, two exceptions to this direction not to evaluate the public health impacts of reuse projects. First, if the public health impacts from the reuse of a particular kind of waste are specifically addressed in statute, then we must evaluate them. For example, the reuse of ash residue from the burning of solid waste and the reuse of construction and demolition debris must both be evaluated for impacts on public health. Second, if an applicant voluntarily provides information on the potential public health impacts of a reuse project and specifically asks us to review that information, we should do so. In these particular cases it is acceptable to offer to the applicant the SCTLs found in Chapter 62-777 F.A.C., as one possible demonstration of reasonable assurance as long as it is clear that they are used for guidance purposes only, and that applicants are free to use alternate risk-based approaches to demonstrate that a reuse project will be safe for the public.

If you have any questions concerning this protocol, please contact Mary Jean Yon at Suncom: 291-9976.

JMR/mjy/pl

cc: Mary Jean Yon
Chris McGuire

22926
Sumter Co.
Compost file
Op/ permit

Sumter County Solid Waste Disposal

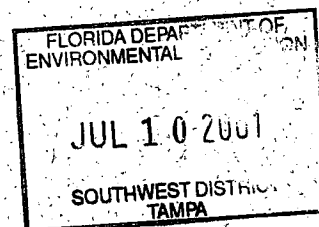
Bushnell, Fl

**SUMTER COUNTY, FLORIDA
0084003.300**

CONDUCTED FOR

**Mr. Gary Breeden
And
Mr. Terry Hurst**

June 29, 2001



CENTRAL TESTING LABORATORY

**Conducted and prepared by
Patricia Snowdon, Environmental Specialist**

Central Testing Laboratory

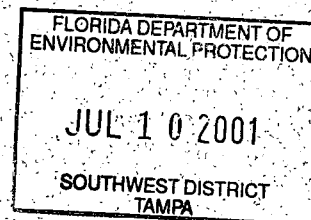
EB 0002407

Engineering and Materials Testing

Reply to:

June 29, 2001
Ms. Susan Pelz, P.E.

F.D.E.P.
3804 Coconut Palm Dr.
Tampa, FL 33619



RE: Scrubber & Bio-filter Test Results
Sumter County Solid Waste Management Facility
Second Quarter 2001

Dear Ms. Pelz

Central Testing Laboratory (CTL) has completed the Second quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. These samples were taken on June 21, 2001. The air was sampled prior to entering the scrubber, "1", and at the outlet of the bio-filter, "2". The air samples were tested for BTEX and TRPH. The results are attached for your use.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory

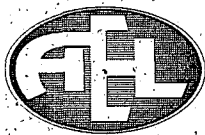
A handwritten signature in black ink, appearing to read "Patricia Snowdon".

Patricia Snowdon
Environmental Specialist

Attachments

cc: Ms. Susan Pelz, P.E.
Mr. Garry Breeden
Mr. Terry Hurst





Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9616
FAX (813) 630-4327

Client: Central Testing Lab
723 S. 14th St.
Leesburg, FL 34748
Contact: Patricia Snowdon
Project Location: Sumter County Public Works


Report Number: T013045
Date Reported: 6/21/2001
Date/Time Sampled: 6/4/01@0830
Date/Time Received: 6/5/01@1800

Project Number:
Matrix: Wastewater

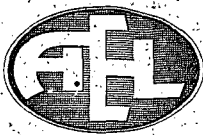
Miscellaneous Analytes

Analytes	Method	MRL	Units	Lab Code:	T013045
				Date Analyzed	Wastewater Eff
PH(S.U.)	150.1	0.1	Units	6/5/01@1700	6.6
Flashpoint	1010	N/A	°F	6/11/2001	>140
Cyanide	4500CNE	0.005	mg/l	6/14/01@1200	U
Sulfide	376.1	1	mg/l	6/15/2001	U

Approved by:


Michael L. Cammarata-Lab Manager

Lab ID: E84589
Compqap: 940242
U Not detected above the MRL
MRL Method Reporting Limit



Client: Central Testing Lab
Project Name: Sumter County Public Works
Project No.:

Report No.: J012147
Date Sampled: 6/19/01
Date Submitted: 6/21/01
Date Reported: 6/25/01

Address: 723 South 14th Street
Leesburg, FL

Project Chemist: KB/PW

Attention:

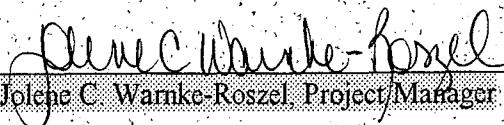
Sample Description

The following air samples were submitted by Central Testing Lab on 6/21/01 for analysis outlined on the attached Chain of Custody:

Project Name: Sumter County Public Works

1. A-1 Air Before @ 10:50
2. A-2 Air After @ 11:00

Approved by:


Jolene C. Warnke-Roszel, Project Manager

Analytical Report

Client: Central Testing Lab
 Project No.: Sumter County Public Works
 Matrix: Air

Report No.: J012147
 Date Sampled: 6/19/01
 Date Submitted: 6/21/01
 Date Reported: 6/25/01

Volatile Aromatics in Air
 EPA Method TO-3 Modified
 Units: mg/m³

Analytes	MRL	Lab Code:	J012147-1	J012147-2	J012147-mb
		Dilution Factor:	1	1	1
		Date Analyzed:	6/21/01	6/21/01	6/21/01
		Sample Name:	A-1	A-2	Method Blank
Benzene	0.005		U	0.19	U
Toluene	0.005		U	0.23	U
Ethylbenzene	0.005		U	0.09	U
Total Xylene	0.010		0.015	0.25	U
Naphthalene	0.005		U	U	U
TRPH	0.10		U	3.0	U
Surrogate	Acceptance Limits	Percent Recovery	Percent Recovery	Percent Recovery	Percent Recovery
1Bromo4chlorobenzene	70-135	107	123	100	

U Not detected above the MRL
 MRL Method Reporting Limit



P. O. Box 1066
Bushnell, FL 33513
(352) 793-3368
(352) 568-0166 Fax

0292
22926
Sumter County
Of Permit

Sumter County Solid Waste

June 11, 2001

RECEIVED
JUN 13 2001

Department of Environmental Protection
Attention: Susan J. Pelz, P.E. *JUP*
Solid Waste Division
3804 Coconut Palm Dr.
Tampa, FL 33619-8318

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Dear Ms. Pelz:

Please accept this as our report for regeneration of the bio-filter.

The regeneration was completed as of June 15, 2001 as per FDEP Permit #SC60-298996, Specific Condition 8B.

Should you have any questions, please feel free to contact me.

Sincerely,

Terry Hurst
Solid Waste Superintendent

Terry Hurst, Solid Waste Superintendent

Site visit
352/392-5950

Apr. 30 '01 10:11

FAX

P. 1

5/1/01

5/23

RB RB

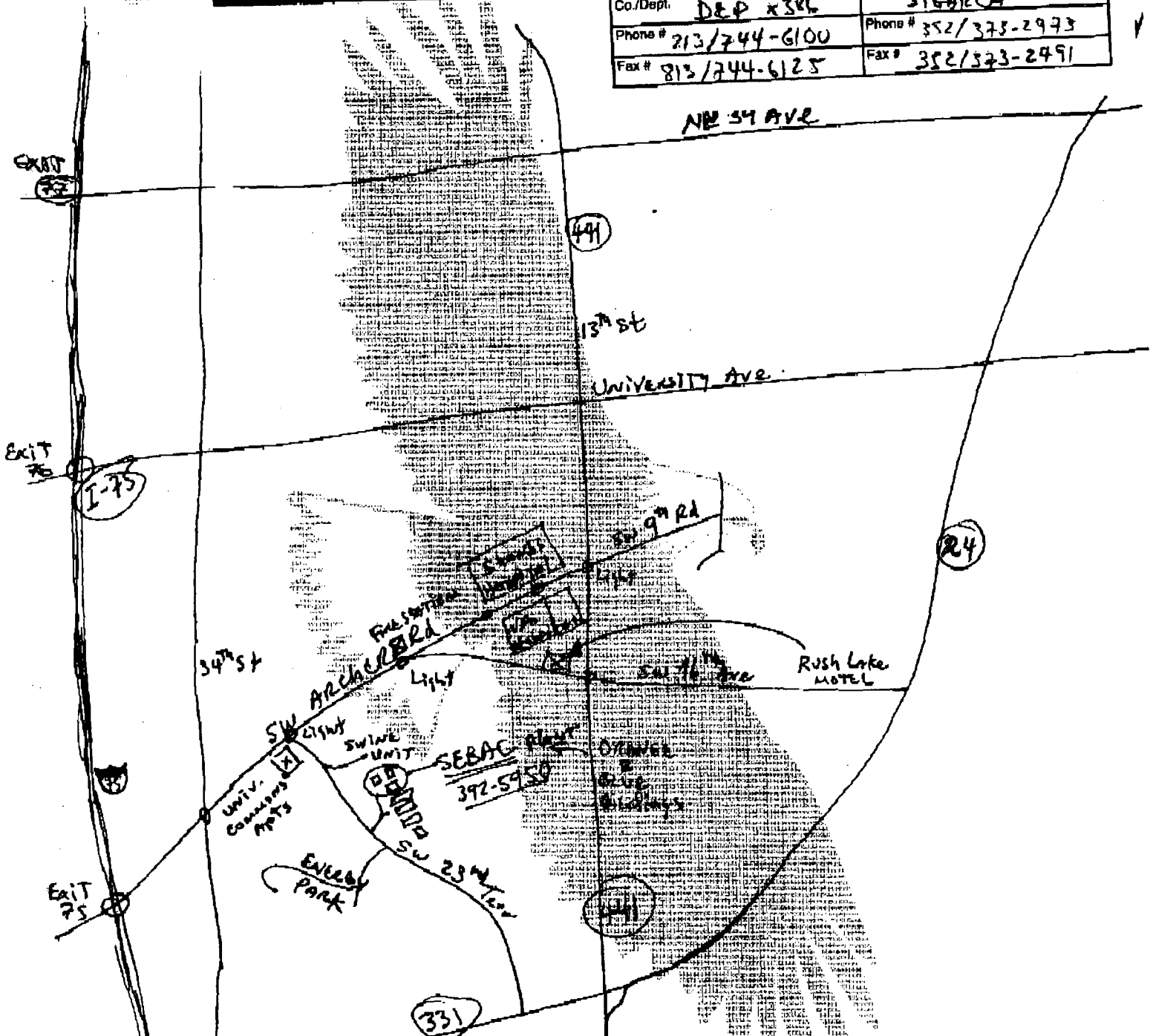
SIGARCA, Inc.

3856 NW 41st Pl
Gainesville, FL 32605-1469

Post-It® Fax Note

7671

Date	4/30/01	# of pages	1
To	SUSAN FELE	From	JOSE SIFONTES
Co./Dept.	DEP X386	Co.	SIGARCA
Phone #	213/744-6100	Phone #	352/373-2973
Fax #	813/744-6125	Fax #	352/373-2491



Working for the sustainability of the environment

Phone (352) 373-2973

Fax (352) 373-2491

**SUMMARY OF LABORATORY ANALYSIS
FOR SLUDGE DISPOSED
AT SUMTER COUNTY SOLID WASTE
COMPOST FACILITY**

Sumter Co Compost permit file
Ath: Kim Ford
Solid waste
FE Smith Bob 10

PARAMETER	Collection Date				Average
	2/17/00	6/28/00	8/24/00	11/17/00	Concentration
% Solids	1.42	1.25	1.50	1.57	1.44
Arsenic	BDL	BDL	BDL	BDL	BDL
Cadmium	4.683	4.176	3.653	2.720	3.808
Chromium	49.57	71.30	51.32	105.90	69.52
Copper	391.48	536.70	474.30	329.40	432.97
Lead	18.0	24.6	20.5	15.2	19.6
Mercury	BDL	BDL	BDL	BDL	BDL
Molybdenum	10.14	14.63	11.74	23.20	14.93
Nickel	70.28	74.15	105.50	108.50	89.61
Potassium (%)	0.718	0.588	0.473	0.643	0.606
Selenium	BDL	BDL	BDL	BDL	BDL
Total Nitrogen (%)	5.45	3.81	3.28	4.65	4.30
Total Phosphorus (%)	3.80	3.36	2.18	2.44	2.95
Zinc	438.45	552.00	469.40	379.70	459.89
Ph	6.55	7.00	7.08	6.89	6.88

	TOTAL				
WASTED TO DIGESTOR (MGD)	3.803	2.702	2.267	2.618	11.390
GALLONS PRESSED (MGD)	1.542	1.277	0.943	1.306	5.068
DRY TONS HAULED	467.29	418.17	314.97	455.40	1655.83

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

APR 24 2001

SOUTHWEST DISTRICT
TAMPA

Central Testing Laboratory

Engineering and Materials Testing

Sumter Co.
Composting
Permit File
EB 0002407

Reply to:

December 18, 2000

Ms. Susan Pelz, P.E. *8/14/01*
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RECEIVED
JAN 02 2001
Department of Environmental Protection
BY SOUTHWEST DISTRICT

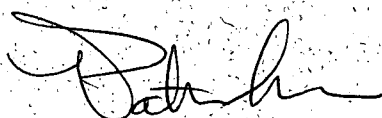
RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Fourth Quarter 2000

Dear Ms. Pelz:

Central Testing Laboratory (CTL) has completed the Fourth quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, "A", and at the outlet of the biofilter, "B". The air samples were tested for BTEX and TRPH.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory



Patricia Snowdon
Environmental Specialist



Theodore J. Strouse, P.E.
Fl. Registration No. 48220

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler

P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

D.E.P.

Reply to:

DEC 26 2000

Southwest District Tampa

December 18, 2000

Ms. Susan Pelz, P.E.
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619


RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Fourth Quarter 2000

Dear Ms. Pelz:

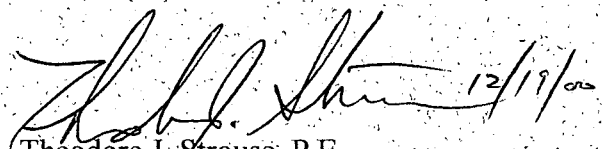
Central Testing Laboratory (CTL) has completed the Fourth quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, "A", and at the outlet of the biofilter, "B". The air samples were tested for BTEX and TRPH.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory



Patricia Snowden
Environmental Specialist

 12/19/00

Theodore J. Strouse, P.E.
Fl. Registration No.: 48220

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler

*Patricia Snowden called
12/28/00 in regards to
a sealed copy of this
report. She said
she would mail it
out today. STS*

P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186




**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter Co. Public Works
c/o Cent. Testing Lab
723 S. 14th Street
Leesburg, FL 34748

Date Reported : Dec11 2000
Project Number : Sumter
PO Number : n/a
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Nov29 2000 Date Received: Nov29 2000 Lab Numbers: 31938-31939

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec %RSD	31938	31939
				AIRA	AIRB
Tot_Pet_Hydrocarbons	mg/m3	1.00		5.60	205.
Benzene	mg/m3	0.500		<0.500	<0.500
Toluene	mg/m3	0.500		<0.500	2.80
Ethylbenzene	mg/m3	0.500		<0.500	<0.500
Xylene	mg/m3	0.500		<0.500	<0.500
Total_BTEX	mg/m3	0.500		<0.500	2.80
Methyl-tert-butyleth	mg/m3	0.500		<0.500	<0.500

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

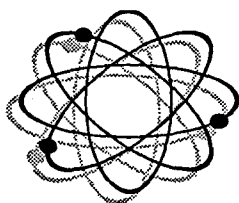
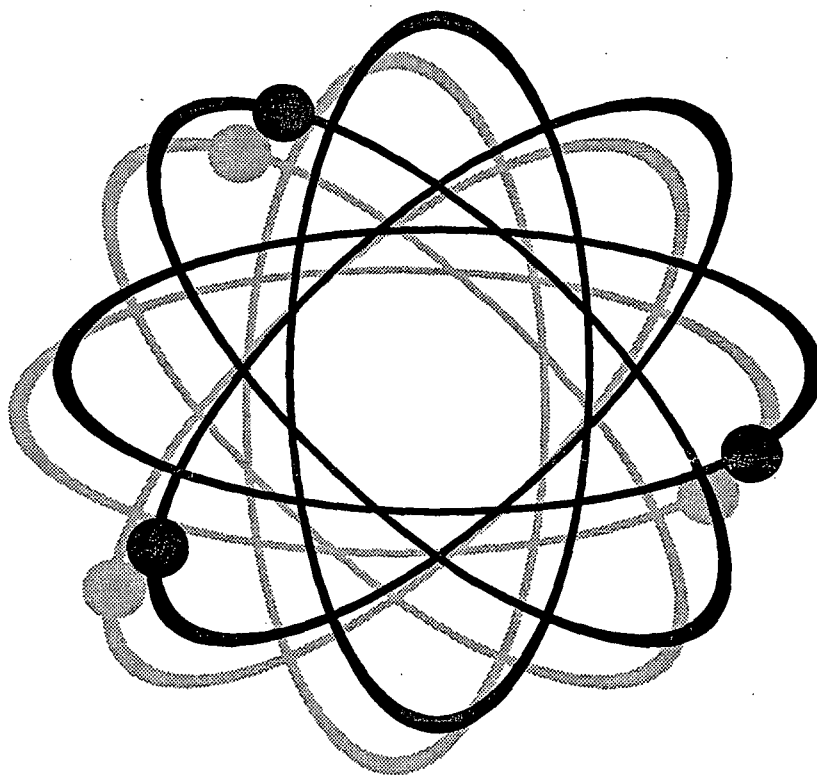
Jefferson S. Flowers, Ph.D.
President/Technical Director

1199			FLOWERS CHEMICAL LABORATORIES															
			ANALYTICAL RESULTS FORM										FLDOH Number E83018					
Parameter	Symbol	Unit	air A	air B									QA	Section				
			31938	31939									Method	MDL	%RSD	%Rec	Analys	Date
Tot Pet Hydrocarbons	*	mg/m3	5.6V	205V									EPA18	1			CLS	11-30-00
Benzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	11-30-00
Toluene	*	mg/m3	<0.5U	2.80									EPA18	0.5			CLS	11-30-00
Ethylbenzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	11-30-00
Xylene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	11-30-00
Total BTEX	*	mg/m3	<0.5U	2.80									EPA18	0.5			CLS	11-30-00
MTBE	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	11-30-00
			Date Received:		11-29-00		Typed:		12-11-00		Sent:		12-11-00					
Project Number	Sumter		Qualifier Key															
PO Number	n/a		J		Surrogate recovery limits have been exceeded;													
Date Sampled	1 11-29-00 *				No known quality control criteria exists for the component;													
Date Analyzed	0				The sample matrix interfered with the ability to make any accurate determination.													
Compacted			Q		Sample held beyond the accepted holding time.													
Format	NormRR		U		Indicates that the compound was analyzed for but not detected.													
Unit Cost	Exted		V		Indicates that the analyte was detected in both the sample and the associated method blank.													
Rush EPA18	12500 2 *																	

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter
Lab Numbers: 31938 - 31939

Report date: 11-Dec-00



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client:	Cent. Testing Lab
Project Number:	Sumter
P.O. Number:	n/a
Date Sampled:	29-Nov-00
Lab Numbers:	31938 - 31939

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

The requested analytes did not require surrogates.

Accuracy / Precision:**Method Blanks:**

1 target compound was found in the method blank in excess of the method limit as shown in section 3. This represents a 85.7% success rate.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

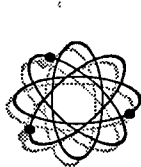
Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



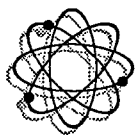
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: n/a
Date Sampled: 29-Nov-00
Lab Numbers: 31938 - 31939

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	11-30-00	9.70
Benzene	mg/m3	EPA18	11-30-00	<0.5
Toluene	mg/m3	EPA18	11-30-00	<0.5
Ethylbenzene	mg/m3	EPA18	11-30-00	<0.5
Xylene	mg/m3	EPA18	11-30-00	<0.5
Total_BTEX	mg/m3	EPA18	11-30-00	<0.5
MTBE	mg/m3	EPA18	11-30-00	<0.5



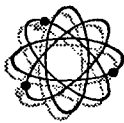
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: n/a
Date Sampled: 29-Nov-00
Lab Numbers: 31938 - 31939

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	11-30-00	400	369	92.3%	289 - 503
Benzene	mg/m3	EPA18	11-30-00	400	353	88.3%	274 - 479
Toluene	mg/m3	EPA18	11-30-00	400	398	99.5%	299 - 490
Ethylbenzene	mg/m3	EPA18	11-30-00	400	409	102%	307 - 497
Xylene	mg/m3	EPA18	11-30-00	1200	1224	102%	896 - 1489
Total_BTEX	mg/m3	EPA18	11-30-00	2400	2383	99.3%	1816 - 2904
MTBE	mg/m3	EPA18	11-30-00	400	345	86.3%	270 - 492



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: n/a
Date Sampled: 29-Nov-00
Lab Numbers: 31938 - 31939

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Tot_Pet_Hydrocarbons QCCS Matrix Spike	Ultra Aldrich	R0540 05162LG	1397 113	CLS DO	10-12-00 01-05-95	08-30-02 02-04-05	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	11.2 14.7	>1.68 >1.65	0.985 0.985	0.042 0.042	0.985 1.01	0.069 0.071
Benzene QCCS Matrix Spike	Ultra Aldrich	R0540 05162LG	1397 113	CLS DO	10-12-00 01-05-95	08-30-02 02-04-05	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	11.2 14.7	>1.68 >1.65	0.985 0.985	0.042 0.042	0.985 1.01	0.069 0.071
Toluene QCCS Matrix Spike	Ultra Aldrich	R0540 06446BG	1397 111	CLS DO	10-12-00 01-05-95	08-30-02 02-04-05	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	11.2 14.7	>1.68 >1.65	0.985 0.985	0.042 0.042	0.985 1.01	0.069 0.071
Ethylbenzene QCCS Matrix Spike	Ultra Aldrich	R0540 02954HF	1397 112	CLS DO	10-12-00 01-05-95	08-30-02 02-04-05	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	9.43 0.681	>1.68 ±1.97	0.975 1.02	0.047 0.059	0.974 1.08	0.086 0.595
O-Xylene QCCS Matrix Spike	Ultra Aldrich	R0540 07452JZ	1397 116	CLS DO	10-12-00 01-05-95	08-30-02 02-04-05	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	10.7 14.1	>1.68 >1.65	0.991 0.991	0.043 0.043	0.985 1.01	0.068 0.079
M&P-Xylene QCCS Matrix Spike	Aldrich	05541TF	105	jeff	01-05-95	02-04-08	1375	jess	08-19-99	08-19-01	9.01	>1.66	0.999	0.060	0.986	0.058
Total_BTEX QCCS Matrix Spike	Aldrich	05541TF 05541TF	105 105	jeff jeff	01-05-95 01-05-95	02-04-08 02-04-08	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	11.2 14.7	>1.68 >1.65	0.985 0.985	0.042 0.042	0.985 1.01	0.069 0.071
MTBE QCCS Matrix Spike	Aldrich	08065KG 08065KG	115 115	DO DO	01-05-95 01-05-95	02-04-05 02-04-05	1375 1373	jess jess	08-19-99 08-19-99	08-19-01 08-19-01	5.76 5.82	>1.70 >1.65	0.951 0.951	0.066 0.066	0.896 1.04	0.052 0.091

Central Testing Laboratory

Engineering and Materials Testing

Reply to:

RECEIVED
OCT 23 2000

October 4, 2000

Department of Environmental Protection
SOUTHWEST DISTRICT

Ms. Susan Pelz, P.E.

Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Third Quarter 2000

Dear Ms. Pelz:

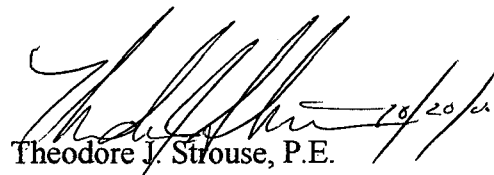
Central Testing Laboratory (CTL) has completed the third quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, "A", and at the outlet of the biofilter, "B". The air samples were tested for BTEX and TRPH.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory



Patricia Snowdon
Environmental Specialist



Theodore J. Strouse, P.E.
Fl. Registration No.: 48220

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler



Sumter
composting
permit
File
EB 0002407
✓
J



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter Co. Public Works
c/o Cent. Testing Lab
723 S. 14th Street
Leesburg, FL 34748

Date Reported : Oct 2 2000
Project Number : Sumter-eff
PO Number : n/a
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: CN FP H2S NACE

Date Sampled: Sep18 2000 Date Received: Sep18 2000 Lab Number : 10955

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	10955 EFF
Cyanide	mg/L	0.0100	98.0	3.13	<.0100
Flash_Point	oF	75.0	102.	.000	>200.
Hydrogen Sulfide	mg/L	0.500			1.54
NACE	mm/yr	.00100			0.455

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.D.
President/Technical Director

1199			FLOWERS CHEMICAL LABORATORIES														
			ANALYTICAL RESULTS FORM										FLDOH Number E83018				
Parameter	Symbol	Unit	eff									QA		Section			
			10955									Method	MDL	%RSD	%Rec	Analys	Date
Cyanide	*	mg/L	<0.01U									EPA335.2	0.01	3.13	98.0	VPM	09-27-2000 09:00
Flash Point	*	oF	0.000									EPA1010	75		102	DRP	09-20-2000 09:00
Hydrogen Sulfide	*	mg/L	1.54									EPA376.1	0.5			DRP	09-19-2000 11:00
NACE Corrosivity	*	mm/yr	0.455J									-	0.001			DRP	09-25-2000 11:00
			Date Received:		09-18-00		Typed:		10-02-00		Sent:		10-02-00				
Project Number	Sumter-eff		Qualifier Key														
PO Number	n/a		J Surrogate recovery limits have been exceeded;														
Date Sampled	1 09-18-00 *		No known quality control criteria exists for the component;														
Date Analyzed	0		The sample matrix interfered with the ability to make any accurate determination.														
Compacted			Q Sample held beyond the accepted holding time.														
Format	NormRR		U Indicates that the compound was analyzed for but not detected.														
Unit Cost	Exted		V Indicates that the analyte was detected in both the sample and the associated method blank.														
CN	3000	1 *															
FP	4500	1 *															
H2S	1000	1 *															
NACE	3000	1 *															

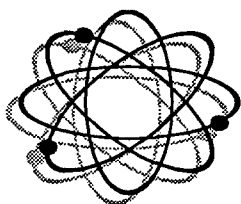
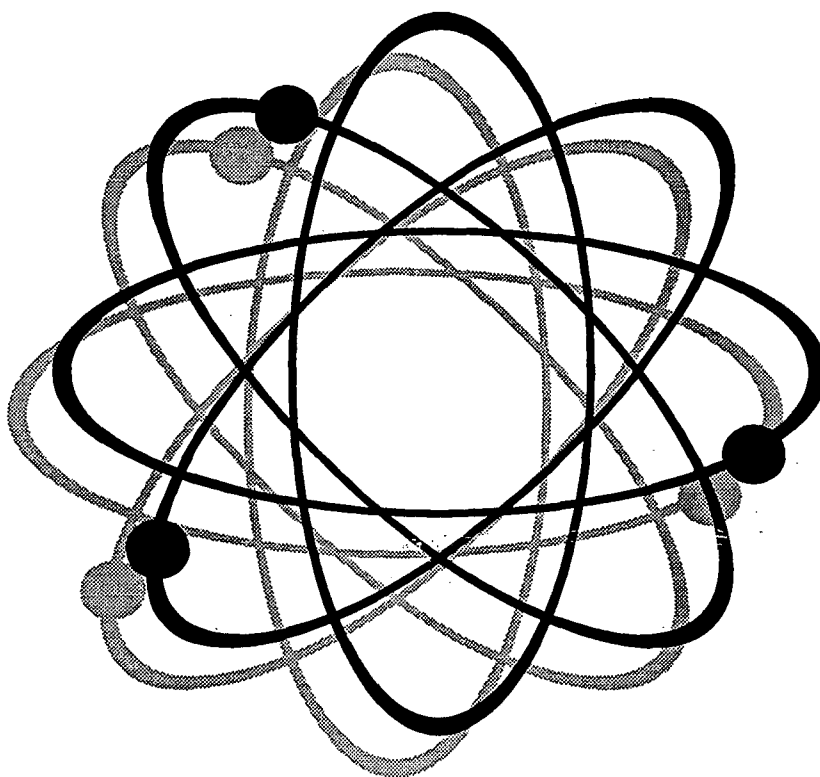
Quality Assurance Report

Prepared for: Cent. Testing Lab

Project Number: Sumter-eff

Lab Numbers: 10955 - 10955

Report date: 2-Oct-00



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client:	Cent. Testing Lab
Project Number:	Sumter-eff
P.O. Number:	n/a
Date Sampled:	18-Sep-00
Lab Numbers:	10955 - 10955

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.

The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

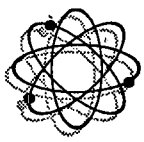
The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

There were 3 standard blanks.

The t-test limits were met for all surrogate spike standards as shown in section 5.



FLOWERS CHEMICAL LABORATORIES, INC.

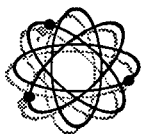
QA Section 2

Matrix Spike Recovery

Client:
Project Number:
P.O. Number:
Date Sampled:
Lab Numbers:

Cent. Testing Lab
Sumter-eff
n/a
18-Sep-00
10955 - 10955

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Cyanide	mg/L	EPA335.2	09-27-2000 09:00	0.2	<0.01	0.196	98.0%	0.189	94.6%	0.093 - 0.285	0.005	0 - 0.058

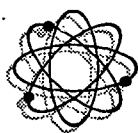


QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter-eff
P.O. Number: n/a
Date Sampled: 18-Sep-00
Lab Numbers: 10955 - 10955

Analyte	Unit	Method	Date	Concentration
Cyanide	mg/L	EPA335.2	09-27-2000 09:00	<0.01
Flash_Point	oF	EPA1010	09-20-2000 09:00	<75
Hydrogen Sulfide	mg/L	EPA376.1	09-19-2000 11:00	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter-eff
P.O. Number: n/a
Date Sampled: 18-Sep-00
Lab Numbers: 10955 - 10955

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Cyanide	mg/L	EPA335.2	09-27-2000 09:00	0.100	0.102	102%	0.069 - 0.127
Flash_Point	oF	EPA1010	09-20-2000 09:00	81.0	83.0	102%	70.6 - 93.0



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter-eff
P.O. Number: n/a
Date Sampled: 18-Sep-00
Lab Numbers: 10955 - 10955

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Cyanide	EMS	34341536	442	DRP	03-12-96	12-31-99	1763	VPM	07-20-00	01-20-01	3.00	>1.72	0.966	0.104	0.919	0.066
QCCS	Baker	3080-01	44	DRP	04-07-95	12-31-99	1760	VPM	07-20-00	01-20-01			0.966	0.104	0.979	0.044
Matrix Spike	EMS	34341536	442	DRP	03-12-96	12-31-99	1763	VPM	07-20-00	01-20-01	3.00	>1.72	0.966	0.104	0.919	0.066
Flash_Point																
QCCS	Fisher	992111	1077	EAB	10-07-99	10-07-01	1436	EAB	12-08-99	10-07-01			0.998	0.017	1.01	0.006
Matrix Spike																
EPA1010 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-01	14	JSF	01-01-95	01-01-01						
EPA335.2 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-01	14	JSF	01-01-95	01-01-01						
EPA376.1 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-01	14	JSF	01-01-95	01-01-01						



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter Co. Public Works
c/o Cent. Testing Lab
723 S. 14th Street
Leesburg, FL 34748

Date Reported : Sep19 2000
Project Number : Sumter-air
PO Number : n/a
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Sep18 2000 Date Received: Sep18 2000 Lab Numbers: 31757-31758

REPORT OF ANALYSIS

Parameter	Unit	Reportable %Rec %RSD Detection Limit	31757	31758
			AIRA	AIRB
Tot_Pet_Hydrocarbons	mg/m3	1.00	8.66	182.
Benzene	mg/m3	0.500	<0.500	<0.500
Toluene	mg/m3	0.500	<0.500	<0.500
Ethylbenzene	mg/m3	0.500	<0.500	<0.500
Xylene	mg/m3	0.500	<0.500	<0.500
Total_BTEX	mg/m3	0.500	<0.500	<0.500
Methyl-tert-butyleth	mg/m3	0.500	<0.500	<0.500

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

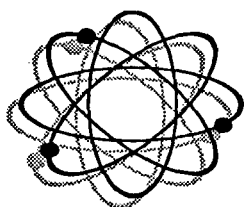
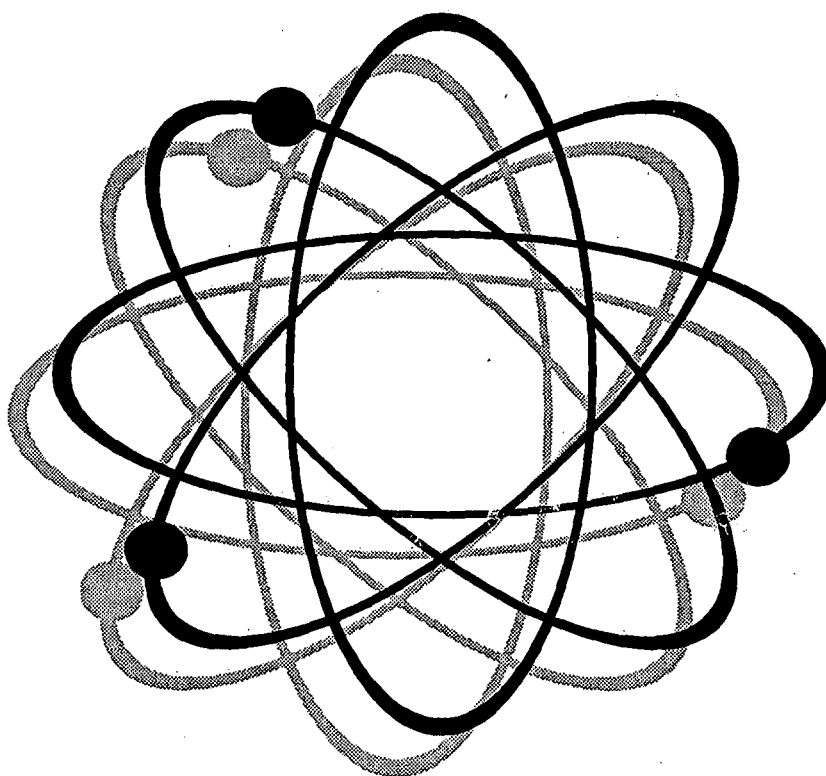
Jefferson S. Flowers, Ph.D.
President/Technical Director

1199			FLOWERS CHEMICAL LABORATORIES															
			ANALYTICAL RESULTS FORM										FLDOH Number E83018					
Parameter	Symbol	Unit	air A	air B									QA		Section			
			31757	31758									Method	MDL	%RSD	%Rec	Analysis Date	
Tot Pet Hydrocarbons	*	mg/m3	8.66V	182V									EPA18	1			CLS	09-19-00
Benzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	09-19-00
Toluene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	09-19-00
Ethylbenzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	09-19-00
Xylene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	09-19-00
Total BTEX	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	09-19-00
MTBE	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			CLS	09-19-00
			Date Received:		09-18-00		Typed:		09-19-00		Sent:		09-19-00					
Project Number	Sumter-air		Qualifier Key															
PO Number	n/a		J		Surrogate recovery limits have been exceeded;													
Date Sampled	1 09-18-00 *				No known quality control criteria exists for the component;													
Date Analyzed	0				The sample matrix interfered with the ability to make any accurate determination.													
Compacted			Q		Sample held beyond the accepted holding time.													
Format	NormRR		U		Indicates that the compound was analyzed for but not detected.													
Unit Cost	Exted		V		Indicates that the analyte was detected in both the sample and the associated method blank.													
Rush EPA18	6250 2 *																	

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter-air
Lab Numbers: 31757 - 31758

Report date: 19-Sep-00



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client:	Cent. Testing Lab
Project Number:	Sumter-air
P.O. Number:	n/a
Date Sampled:	18-Sep-00
Lab Numbers:	31757 - 31758

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

The requested analytes did not require surrogates.

Accuracy / Precision:**Method Blanks:**

1 target compound was found in the method blank in excess of the method limit as shown in section 3. This represents a 85.7% success rate.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



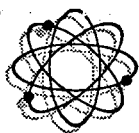
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter-air
P.O. Number: n/a
Date Sampled: 18-Sep-00
Lab Numbers: 31757 - 31758

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Tot_Pet_Hydrocarbons QCCS Matrix Spike	Accustandard Aldrich	A7040209 05162LG	866 113	DO DO	01-15-99 01-05-95	06-01-02 02-04-05	1375 1373	DO DO	08-25-99 08-19-99	12-31-99 08-19-01	7.48 9.69	>1.68 >1.67	0.976 0.976	0.052 0.052	0.993 1.03	0.099 0.079
Benzene QCCS Matrix Spike	Accustandard Aldrich	A7040209 05162LG	866 113	DO DO	01-15-99 01-05-95	06-01-02 02-04-05	1375 1373	DO DO	08-25-99 08-19-99	12-31-99 08-19-01	7.48 9.69	>1.68 >1.67	0.976 0.976	0.052 0.052	0.993 1.03	0.099 0.079
Toluene QCCS Matrix Spike	Aldrich Aldrich	06446BG 06446BG	111 111	DO DO	01-05-95 01-05-95	02-04-05 02-04-05	1375 1373	JXJ JXJ	08-19-99 08-19-99	08-19-01 08-19-01	7.18 8.66	>1.68 >1.67	0.986 0.986	0.068 0.068	0.985 1.05	0.092 0.070
Ethylbenzene QCCS Matrix Spike	Accustandard Aldrich	A7040209 02954HF	866 112	DO DO	01-15-99 01-05-95	06-01-02 02-04-05	1375 1373	DO JXJ	08-25-99 08-19-99	12-31-99 08-19-01	8.79 10.5	>1.68 >1.67	0.975 0.975	0.047 0.048	0.971 0.954	0.091 0.098
O-Xylene QCCS Matrix Spike	Aldrich Aldrich	07452JZ 07452JZ	116 116	DO DO	01-05-95 01-05-95	02-04-05 02-04-05	1375 1373	JXJ JXJ	08-19-99 08-19-99	08-19-01 08-19-01	6.02 4.11	>1.70 >1.71	0.965 0.965	0.058 0.058	0.994 0.916	0.097 0.133
MTBE QCCS Matrix Spike	Aldrich Aldrich	08065KG 08065KG	115 115	DO DO	01-05-95 01-05-95	02-04-05 02-04-05	1375 1373	JXJ JXJ	08-19-99 08-19-99	08-19-01 08-19-01	5.59 4.42	>1.70 >1.67	0.951 0.951	0.067 0.067	0.900 1.03	0.057 0.116



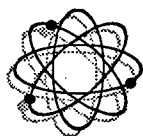
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter-air
P.O. Number: n/a
Date Sampled: 18-Sep-00
Lab Numbers: 31757 - 31758

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	09-19-00	400	414	104%	286 - 507
Benzene	mg/m3	EPA18	09-19-00	400	351	87.8%	275 - 485
Toluene	mg/m3	EPA18	09-19-00	400	380	95.0%	299 - 493
Ethylbenzene	mg/m3	EPA18	09-19-00	400	401	100%	307 - 501
Xylene	mg/m3	EPA18	09-19-00	1200	1093	91.1%	896 - 1504
Total BTEX	mg/m3	EPA18	09-19-00	2400	2226	92.8%	1810 - 2937
MTBE	mg/m3	EPA18	09-19-00	400	429	107%	274 - 498



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter-air
P.O. Number: n/a
Date Sampled: 18-Sep-00
Lab Numbers: 31757 - 31758

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	09-19-00	7.75
Benzene	mg/m3	EPA18	09-19-00	<0.5
Toluene	mg/m3	EPA18	09-19-00	<0.5
Ethylbenzene	mg/m3	EPA18	09-19-00	<0.5
Xylene	mg/m3	EPA18	09-19-00	<0.5
Total_BTEX	mg/m3	EPA18	09-19-00	<0.5
MTBE	mg/m3	EPA18	09-19-00	<0.5



RECEIVED
OCT 06 2000

Department of Environmental Protection
SOUTHWEST DISTRICT

P.O. Box 1066
Bushnell, FL 33513
(352) 793-3368
(352) 568-0166 Fax

SIS *[Signature]*

Sumter Compost
Op. permit

Sumter County Solid Waste

10-2-00

Department of Environmental Protection
Attention: Susan J. Pelz, P.E. *[Signature]* 10/11
Solid Waste Division
3804 Coconut Palm Dr.
Tampa, FL 33619-8318

Dear Ms. Pelz:

I am confirming our phone conversation on October 2, 2000 about the digester being down.

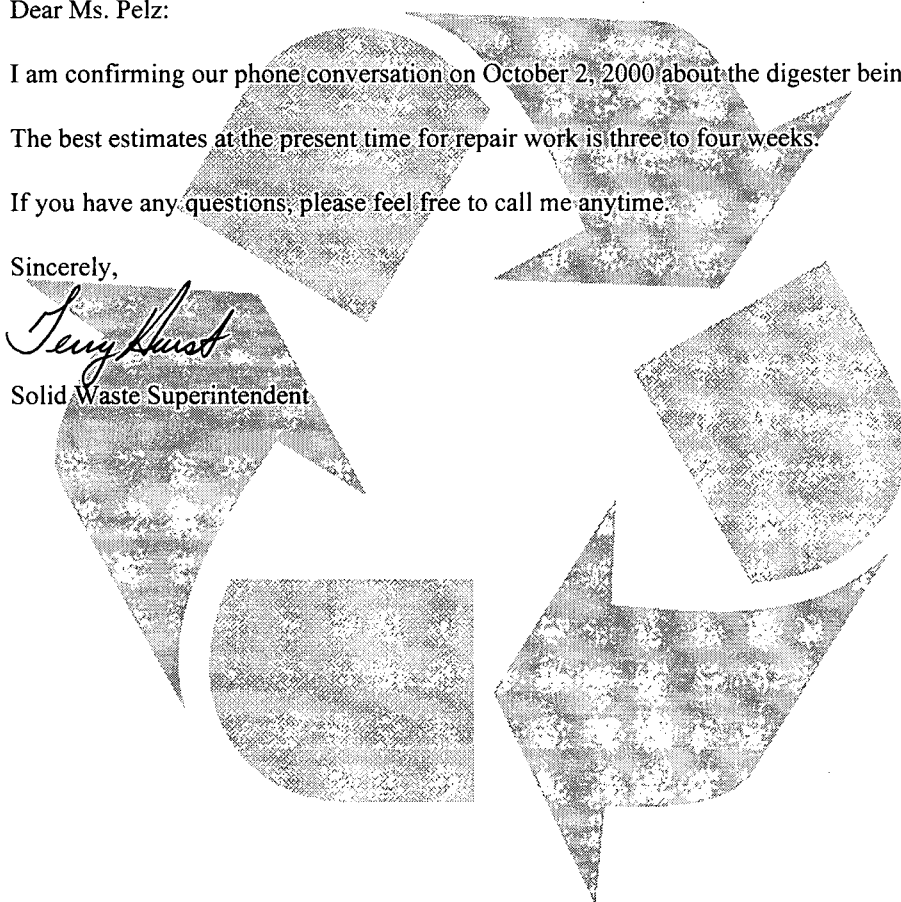
The best estimates at the present time for repair work is three to four weeks.

If you have any questions, please feel free to call me anytime.

Sincerely,

Terry Hurst

Solid Waste Superintendent



Terry Hurst, Solid Waste Superintendent

Memorandum

TO: John M. Ruddell, Director
Division of Waste Management

FROM: *J* Joseph Aita, Director of Auditing
Office of Inspector General

DATE: September 27, 2000

SUBJECT: Recycling and Education Grants RE98-59 and RE99-59 awarded to
Sumter County

RECEIVED
SEP 29 2000

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Enclosed is the final audit report number IA-02-12-2000-042, a financial and compliance audit of the Solid Waste Management Program Recycling and Education Grants awarded by the Department of Environmental Protection (Department), Division of Waste Management, to Sumter County, Florida, for Recycling and Education Grants RE98-59 and RE99-59 awarded to Sumter County for the FY97-98, and FY98-99 grant periods.

If you have any questions regarding the report, please call me at 488-2287.

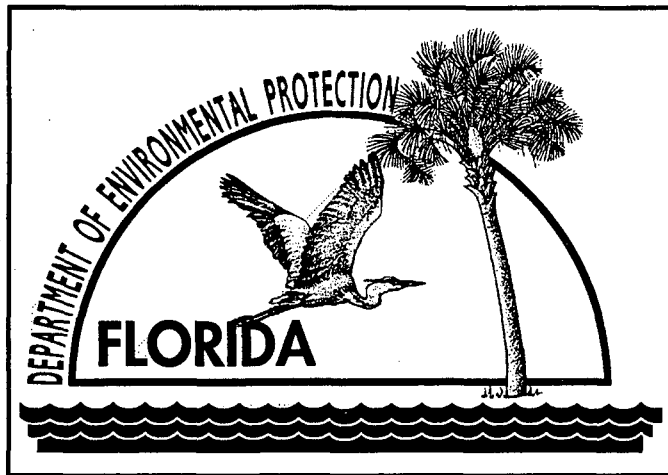
JA/rcs

Enclosures: 1. Audit Report

cc: Michael W. Sole, Assistant Division Director, DWM (Enclosure 1)
Linda Frohock, Senior Management Analyst Supervisor, DWM (Enclosure 1)
Bill Hinkley, Chief, Bureau of Solid and Hazardous Waste (Enclosure 1)
Mary Jean Yon, Environmental Administrator, BSHW (Enclosure 1)
Bobby Adams, Operations and Management Consultant II, BSHW (Enclosure 1)
Deborah Getzoff, Southwest District Director (Enclosure 1)

DEPARTMENT OF ENVIRONMENTAL PROTECTION

OFFICE OF INSPECTOR GENERAL



**Financial and Compliance Audit of
Recycling and Education Grants
RE98-59 and RE99-59 Awarded by
the Department of Environmental Protection
to Sumter County, Florida
For the Period
October 1, 1997 Through September 30, 1999**

FINAL REPORT

TABLE OF CONTENTS

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SEP 29 2000

Department of Corrections
SOUTHWEST DISTRICT
BY _____

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METHODOLOGY	1
BACKGROUND	2
CONCLUSION	4
AUDITEE RESPONSE (None Required)	

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF INSPECTOR GENERAL
August 11, 2000**

Audit Report IA-02-12-2000-042

Final Report

SUBJECT

Financial and compliance audit of the Solid Waste Management Program Recycling and Education Grants awarded by the Department of Environmental Protection (Department), Division of Waste Management, to Sumter County, Florida.

SCOPE AND OBJECTIVES

The scope of this audit covers Recycling and Education Grants RE98-59 and RE99-59 awarded to Sumter County for the FY97-98, and FY98-99 grant periods.

OBJECTIVES

The objectives are to determine whether:

1. Sumter County complied with the grant award agreement conditions;
2. Expenses from grant funds were properly accounted for and met the conditions of the recycling program;
3. Assets procured with grant funds exist, are being used in the grant program, and are properly safeguarded; and,
4. Sumter County retained adequate documentation to support the tons reported as recycled in their annual report.

METHODOLOGY

Our audit was conducted under the authority of section 20.055, Florida Statutes (F.S.), and was a component of our annual audit plan. The Recycling and Education Grants are awarded to local governments pursuant to chapter 403, F.S. Our audit was conducted in accordance with the Institute of Internal Auditors' *Standards for the Professional Practice of Internal Auditing*, and accordingly, included such tests of records in Sumter County (County), and the Department, and such other procedures as we considered necessary under the circumstances.

The criteria used in the determination of program compliance and audited costs included: applicable sections of the Florida Statutes and the Florida Administrative Code (F.A.C.); grant agreement conditions; and, Department communications with local governments.

BACKGROUND

Sumter County owns and operates the Sumter County Solid Waste Facility (SCSWF) in Sumterville, Florida. This facility serves the County's residential, commercial, and governmental/institutional sectors. It is the only facility of its kind operated by a county in Florida.

The County constructed a new SCSWF during the 1996-1997 grant year. The facility includes a 100-tons-per-day (TPD) materials recovery facility (MRF) and a 50-TPD compost digester system. This integrated solid waste management system is designed to meet and exceed County and State solid waste and recycling goals by recovering up to 75% of the incoming waste stream through combined recycling and composting processes.

During the 1997-1998 grant year, Sumter County carried out a project titled, *Maximizing Diversion of Municipal Solid Waste through Municipal Solid Waste Recycling and Composting*, funded by a grant through the United States Environmental Protection Agency (EPA), Region 4. The project's primary task was to determine diversion rates by material type and analyze the marketability of the types of recovered materials.

If this project documents attractive diversion rates and successful marketing of targeted materials, including high quality compost produced from MSW feedstock, it will help establish the facility's integrated technology as a viable alternative for other small to mid-size communities in Region 4.

Also during the 1997-1998 grant year, Sumter County received a second grant through EPA, Region 4, to study the effects of various processing modifications (*i.e.*, reduced material size, increased temperature, and special inoculants) on the maturity, stability, and quality of compost produced from MSW.

Sumter County has completed both projects and the results have been published. Copies have been furnished to the auditors. *However, the scope of this audit does not include an evaluation and/or conclusion for either project.*

The SCSWF served as a featured tour for the National Recycling Coalition (NRC) at its 16th Annual Congress & Exposition in Lake Buena Vista, Florida on September 22 through 24, 1997. Thirty participants visited the SCSWF from locations as far away as Tokyo, Japan, Wailuku, Hawaii, and Slovakia in Central Europe. Tour participants also represented several large municipalities throughout the U.S. In connection with the NRC, the County conducted an educational session, produced and distributed a brochure describing Sumter County's recycling and MSW composting operations.

Sumter County staff conducted over 70 formal tours of the SCSWF during the 1997-1998 grant year. A number of special tours were also conducted in connection with the completion of the MRF and construction of the compost digester system and compost finishing building.

On the following page is a recap of the Grant vs. Local expenditures and encumbrances on the County's recycling program for the past three grant years.

GRANT YEAR	GRANT VERSES LOCAL FUNDS		
	GRANT FUNDS	LOCAL FUNDS	TOTAL
1995-1996	\$102,517	\$2,020,490	\$2,123,007
1996-1997	102,108	3,125,958*	3,228,066
1997-1998	102,108	1,400,001	1,502,109
Totals	<u>\$306,733</u>	<u>\$6,546,449</u>	<u>\$6,853,182</u>
% of Total	4.48%	95.52%	100.00%

*Includes \$2,400,000 expended for Building and Equipment. The County issued Bonds to cover these costs.

The latest recycling data available (for the periods January-December 1995, 1996 and 1997) is shown in the table below:

OVERALL		SPECIAL CATEGORIES				
YEAR	RATE	NEWSPRINT	GLASS	PLASTIC	ALUMINUM	STEEL CANS
1995	33%	51%	52%	1%	17%	38%
1996	29%	42%	1%	1%	11%	2%
1997	19%	40%	12%	0%	36%	15%

Note: Section 403.706, Florida Statutes, sets the recycling goal at 30%. The Overall Rate is the total municipal solid waste percentage that was recycled. It includes the five minimum wastes (newspaper, glass, plastic, aluminum, and steel), other wastes, and the special wastes (construction and demolition debris, yard trash, white goods, tires, and process fuel). The total of the special wastes can count towards no more than one half of the recycling goal for each county. The County achieved 33% in 1995) and 29% (see above) in 1996. The County met two of the 50% reduction goals (newsprint and glass) from the five special categories in 1995. Recycling rates, overall rates, and calculations of those rates are reported in *Solid Waste Management in Florida*, July 1999, (using 1997 data), published by the Bureau of Solid and Hazardous Waste, Division of Waste Management, Florida Department of Environmental Protection.

The table below depicts the amounts awarded and spent/reimbursed for contracts RE98-59 and RE99-59:

	RE98-59 1997-98	RE99-59 1998-99
Awarded	\$102,108	\$ 81,686
Spent/Reimbursed		
Capital Costs	58,948	54,909
Operating Subsidies	12,001	2,271
Planning Studies	30,559	24,505
Education Pilot Project	600	-0-
Unused	<u>\$ -0-</u>	<u>\$ 1</u>

In order to track the success of the recycling program, counties provide the Department with data annually concerning materials **collected** and those **recycled**. Recycled data is provided from two sources, Public (county) and Private (certified recyclers). This audit is concerned only with the Public (County) portion. Each recycling source sends their data to the Department for inclusion in the Department's annual *Solid Waste Management in Florida* report

The table below compares the Sumter County Revised Recovered Materials Report (RMR) of materials recycled with those reported to the Department for inclusion in the annual report.

DESCRIPTION OF RECYCLING CATEGORY	TONS PER ANNUAL REPORT For FY 1997	TONS PER COUNTY REVISED RMR. For FY 1997	VARIANCE FROM SCSWF DATABASE
	(1)	(2)	(1)-(2)
CANS, ALUMINUM	33	33	-0-
CANS, STEEL	139	139	-0-
GLASS	153	153	-0-
NEWSPAPER	961	961	-0-
PLASTIC BOTTLES	-0-	-0-	-0-
TOTALS	<u>1,286</u>	<u>1,286</u>	<u>-0-</u>

There is no variance between the recycling data from the County Revised Recovered Materials Report and those shown in the annual report. The County has adequate documentation to support the tons of recycled materials reported to the Department.

CONCLUSION

Based on our tests, Sumter County materially complied¹ with grant award conditions and the laws and regulations governing the Solid Waste Management Recycling and Education Program.

Expenses from grant funds were properly accounted for, met the conditions of the Recycling and Education Grant Program, and were allowable under Section 61-716.430, Florida Administrative Code.

Assets procured with grant funds exist, are being used in the grant program, and are properly safeguarded.

Sumter County retained adequate documentation to support tonnage reported in their annual report.

Audit Conducted by:

Audit Supervised by:

Audit Approved by:

Harlan E. Ard

Harlan E. Ard
Management Review
Specialist

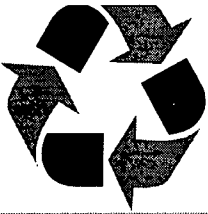
Randal C. Stewart

Randal C. Stewart
Audit Administrator

Joseph Aita

Joseph Aita
Director of Auditing

¹ Several internal control weaknesses were noted. These weaknesses were reported in Sumter County single audit dated January 28, 1999.



22926

P.O. Box 1066
Bushnell, FL 33513
(352) 793-3368
(352) 568-0166 Fax

Sumter County Solid Waste

6-19-00

Department of Environmental Protection
Attention: Susan J. Pelz, P.E. *J 6/22*
Solid Waste Division
3804 Coconut Palm Dr.
Tampa, FL 33619-8318

Dear Ms. Pelz:

Please accept this as our report for regeneration of the bio-filter.

The regeneration was completed as of June 15, 2000 as per FDEP Permit # SC60-298996, Specific Condition 8B.

Should you have any questions, please feel free to contact me.

Sincerely,

Solid Waste Superintendent

TH/ct

RECEIVED
JUN 22 2000
Department of Environmental Protection
BY SOUTHWEST DISTRICT

Terry Hurst, Solid Waste Superintendent

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

June 13, 2000

Ms. Susan Pelz, P.E.
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

D.E.P.
JUN 19 2000
Southwest District Tampa

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Second Quarter 2000

Dear Ms. Pelz:

Central Testing Laboratory (CTL) has completed the second quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, Before, and at the outlet of the biofilter, After. The air samples were tested for BTEX and TRPH.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

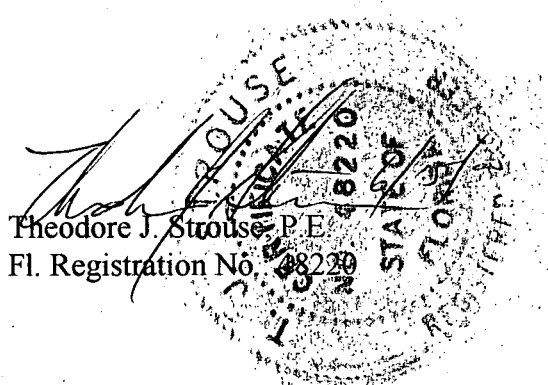
Very Truly Yours,
Central Testing Laboratory



Judi M. Kelch
Environmental Specialist

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler

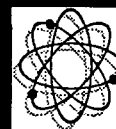

Theodore J. Strouse, P.E.
Fl. Registration No. 48220

P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14TH Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Central Testing
PO Box 883
FloralCity, FL 34436

Date Reported : Apr28 2000
Project Number : Sumter Co PW
PO Number : 0084003.300
FLDOH Number : 83139/E83018
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

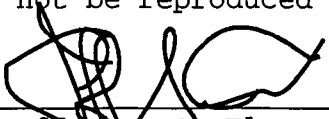
Date Sampled: Apr27 2000 Date Received: Apr27 2000 Lab Numbers: 31511-31512

REPORT OF ANALYSIS

Parameter	Unit	Reportable %Rec %RSD	31511 BEFORE	31512 AFTER
		Detection Limit		
Tot_Pet_Hydrocarbons	mg/m3	1.00	25.3	7.00
Benzene	mg/m3	0.500	<0.500	<0.500
Toluene	mg/m3	0.500	1.07	<0.500
Ethylbenzene	mg/m3	0.500	<0.500	<0.500
Xylene	mg/m3	0.500	<0.500	<0.500
Total_BTEX	mg/m3	0.500	1.07	<0.500
Methyl-tert-butyleth	mg/m3	0.500	<0.500	<0.500

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.


Jefferson S. Flowers, Ph.D.
President/Technical Director

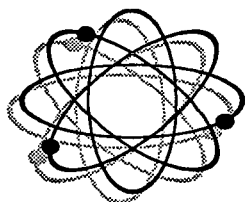
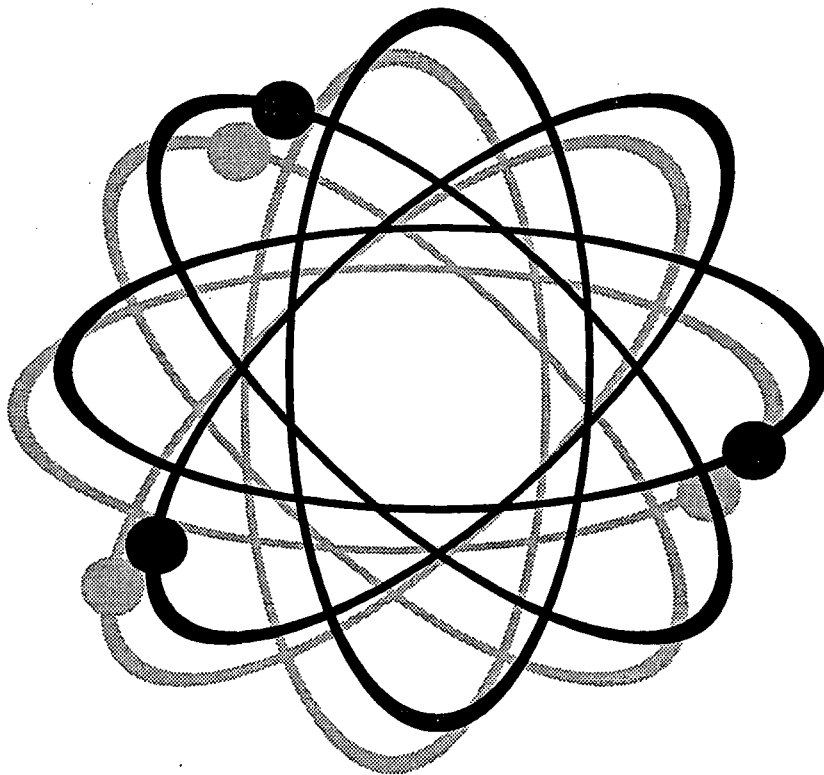
2520			FLOWERS CHEMICAL LABORATORIES															
			ANALYTICAL RESULTS FORM										HRS Number 83139					
Parameter	Symbol	Unit	Before 31511	After 31512									QA		Section			
													Method	MDL	%RSD	%Rec	Analys Date	
Tot Pet Hydrocarbons	*	mg/m3	25.3V	7V									EPA18	1			JXJ 04-27-00	
Benzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			JXJ 04-27-00	
Toluene	*	mg/m3	1.07J	<0.5U									EPA18	0.5			JXJ 04-27-00	
Ethylbenzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			JXJ 04-27-00	
Xylene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			JXJ 04-27-00	
Total BTEX	*	mg/m3	1.07J	<0.5U									EPA18	0.5			JXJ 04-27-00	
MTBE	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			JXJ 04-27-00	
			Date Received: 04-27-00		Typed: 04-28-00		Sent: 04-28-00											
Project Number	Sumler Co PW		Qualifier Key															
PO Number	0084003.300		J		Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;													
Date Sampled	1 04-27-00 *				The sample matrix interfered with the ability to make any accurate determination;													
Date Analyzed	0				The reported value is between the MDL and the PQL.													
Compacted			Q		Sample held beyond the accepted holding time.													
Format	NormRR		U		Indicates that the compound was analyzed for but not detected.													
Unit Cost	Exted		V		Indicates that the analyte was detected in both the sample and the associated method blank.													
Bush EPA18	18750 2 *																	

D.E.P.
 JUN 19 2000
 Southwest District Tampa

Quality Assurance Report

Prepared for: Central Testing
Project Number: Sumter Co PW
Lab Numbers: 31511 - 31512

Report date: 28-Apr-00



**FLOWERS
CHEMICAL
LABORATORIES**



QA SDG Narrative Summary

Client:	Central Testing
Project Number:	Sumter Co PW
P.O. Number:	0084003.300
Date Sampled:	27-Apr-00
Lab Numbers:	31511 - 31512

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

The requested analytes did not require surrogates.

Accuracy / Precision:

Method Blanks:

1 target compound was found in the method blank in excess of the method limit as shown in section 3. This represents a 85.7% success rate.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

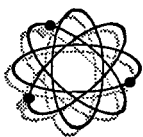
The t-test limits were exceeded for 2 calibration standards as shown in section 5.

This represents a 71.4% success rate.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



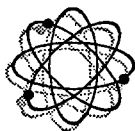
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Central Testing
Project Number: Sumter Co PW
P.O. Number: 0084003.300
Date Sampled: 27-Apr-00
Lab Numbers: 31511 - 31512

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	04-27-00	9.52
Benzene	mg/m3	EPA18	04-27-00	<0.5
Toluene	mg/m3	EPA18	04-27-00	<0.5
Ethylbenzene	mg/m3	EPA18	04-27-00	<0.5
Xylene	mg/m3	EPA18	04-27-00	<0.5
Total_BTEX	mg/m3	EPA18	04-27-00	<0.5
MTBE	mg/m3	EPA18	04-27-00	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Central Testing
Project Number: Sumter Co PW
P.O. Number: 0084003.300
Date Sampled: 27-Apr-00
Lab Numbers: 31511 - 31512

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	04-27-00	400	377	94.3%	289 - 501
Benzene	mg/m3	EPA18	04-27-00	400	368	92.0%	272 - 489
Toluene	mg/m3	EPA18	04-27-00	400	370	92.5%	294 - 495
Ethylbenzene	mg/m3	EPA18	04-27-00	400	371	92.8%	298 - 502
Xylene	mg/m3	EPA18	04-27-00	1200	1113	92.8%	888 - 1497
Total BTEX	mg/m3	EPA18	04-27-00	2400	2222	92.6%	1785 - 2943
MTBE	mg/m3	EPA18	04-27-00	400	367	91.8%	270 - 496



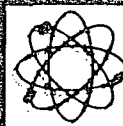
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Central Testing
Project Number: Sumter Co PW
P.O. Number: 0084003.300
Date Sampled: 27-Apr-00
Lab Numbers: 31511 - 31512

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Tot_Pet_Hydrocarbons QCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	9.69	>1.67	0.976	0.052	1.03	0.079
Benzene QCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	9.69	>1.67	0.976	0.052	1.03	0.079
Toluene QCCS Matrix Spike	Aldrich Aldrich	06446BG 06446BG	111 111	DO DO	01-05-95 01-05-95	12-04-99 02-04-05	1374 1373	DO DO	08-19-99 08-19-99	08-19-00 08-19-00	7.35 8.66	>1.68 >1.67	0.986 0.986	0.067 0.067	0.969 1.05	0.037 0.069
Ethylbenzene QCCS Matrix Spike	Aldrich	02954HF	112	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	10.5	>1.67	0.975	0.047	0.954	0.096
O-Xylene QCCS Matrix Spike	Aldrich Aldrich	07452JZ 07452JZ	116 116	DO DO	01-05-95 01-05-95	12-04-99 02-04-05	1374 1373	DO DO	08-19-99 08-19-99	08-19-00 08-19-00	50.8 4.11	±2.06 >1.71	0.930 0.965	0.033 0.056	2.02 0.916	0.077 0.119
M&P-Xylene QCCS Matrix Spike	Aldrich Aldrich	05249HG 05249HG	124 124	DO DO	01-05-95 01-05-95	12-04-99 02-04-05	1374 1373	DO DO	08-19-99 08-19-99	08-19-00 08-19-00	16.2 16.2	±2.02	0.991	0.043	1.35	0.014
MTBE QCCS Matrix Spike	Aldrich	08065KG	115	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	4.42	>1.67	0.951	0.066	1.03	0.114



**CHEMICAL
LABORATORIES
INCORPORATED**

**Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.**

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client Sumter Co Public Works
Address C/O Central Testing Lab
7275 14th St
Leesburg FL 34745
Phone 352 781-1265

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: 10 day

P.O. Number _____

Project Name / No. 0084003.300

Contact _____

Sampled By (PRINT):

Sampler Signature

Date Sampled

Judi Kelle

Judi Kelle

4/21/00

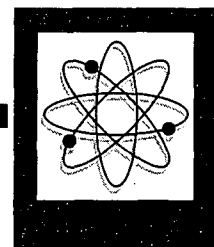
ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST					
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Zn (Acid)						
1	EFF	10:30	EFF	10995	3	1				1	1	<div style="display: flex; flex-direction: column; align-items: center;"> <div>Corrosivity</div> <div>Reactivity</div> <div>Ignitability</div> <div>Explosivity</div> <div>Bioreactivity</div> <div>Other</div> </div>					
2																	
3																	
4	Before			31511	1												
5	After	10:00	Air	31512	1												
6																	

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									
							<u>LS Mangan</u>	<u>4/21/00</u>	<u>15:15</u>

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
FloralCity, FL 34436

Date Reported : Jun 2 2000
Project Number : 0084003300
PO Number : N/A
FLDOH Number : 83139/E83018
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: CN

Date Sampled: May 24 2000 Date Received: May 25 2000 Lab Number : 12433

REPORT OF ANALYSIS

	Cyanide
	mg/L
Accuracy:	94.9
Precision:	26.3
Det. Limit:	0.0100
Client ID	
Lab Number	

EFF

12433

<0.0100

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.



Jefferson S. Flowers, Ph.D.
President/Technical Director

1199				FLOWERS CHEMICAL LABORATORIES													
				ANALYTICAL RESULTS FORM								HRS Number 83139					
Parameter	Symbol	Unit	eff										QA		Section		
Cyanide	*	mg/L	12433										Method	MDL	%RSD	%Rec	Analys
			<0.01U										EPA335.2	0.01	26.390119	94.948017	EAB
				Date Received:		05-25-00		Typed:		06-02-00		Sent:		06-02-00			
Project Number	0084003300		Qualifier Key														
PO Number	N/A		J Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;														
Date Sampled	1 05-24-00 *		The sample matrix interfered with the ability to make any accurate determination;														
Date Analyzed	0		The reported value is between the MDL and the PQL.														
Compacted			Q Sample held beyond the accepted holding time.														
Format	NormL		U Indicates that the compound was analyzed for but not detected.														
Unit Cost	Exted		V Indicates that the analyte was detected in both the sample and the associated method blank.														
CN	0		1 *														

FLOWERS



CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client Sumter Co Public Works
Address CIO Central Testing Lab
7275 14th St
Leesburg FL 34145
Phone 352 781 1265

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: 10 day

P.O. Number _____

Project Name / No. 0084003.300

Contact _____

Sampled By (PRINT): Jud. Kel...
Sampler Signature Jud. Kel... Date Sampled 4/27/00

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES					ANALYSES REQUEST									
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Ascorbic Acid	Corros. Wt. %	React. Wt. %	Ign. Stability	Grav. Wt. %	Grav. Wt. %	Grav. Wt. %	Grav. Wt. %	Grav. Wt. %	Grav. Wt. %	Grav. Wt. %
1	EFF	10:30	EFF	12433	3	1														ph > 10
2																				
3																				
4	Before				1															
5	After	10:00	Air		1															
6																				

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS 5/24/00 Effluent sample replaces 4/27/00 EFF sample (held to long)									

FIELD COPY/RETAIN FOR YOUR RECORDS



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter Co Pub Works
c/o Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Jun 2 2000
Project Number : Sumter Pub Works
PO Number : 0084003.300
FLDOH Number : 83139/E83018
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: reactivity FP NACE

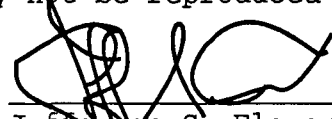
Date Sampled: Apr 27 2000 Date Received: Apr 27 2000 Lab Number : 10995

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	10995 EFF
Cyanide	mg/L	0.0100			<.0100
Hydrogen Sulfide	mg/L	0.500	100.	3.30	2.87
Reactivity -		y/n			No
Flash_Point of		75.0	100.	.920	>200.
NACE mm/yr		.00100			0.0400

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

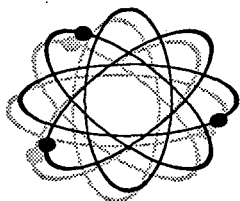
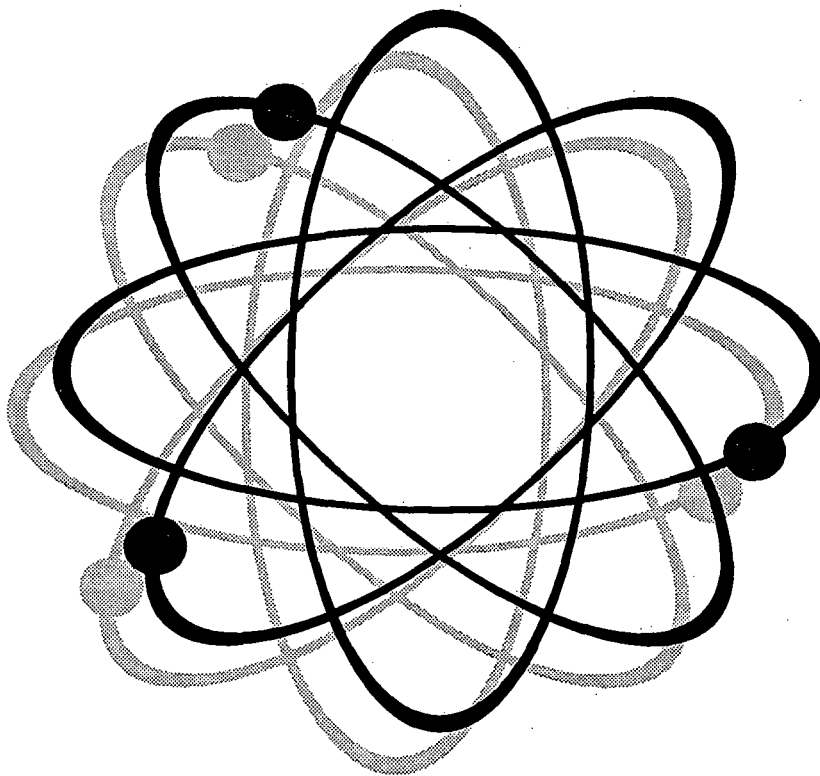

Jefferson S. Flowers, Ph.D.
President/Technical Director

1199				FLOWERS CHEMICAL LABORATORIES															
				ANALYTICAL RESULTS FORM								HRS Number 83139							
Parameter	Symbol	Unit	Eff											QA		Section			
			10995											Method	MDL	%RSD	%Rec	Analys	Date
Cyanide	*	mg/L	<0.01U											EPA9014	0.01			EAB	05-15-00
Hydrogen Sulfide	*	mg/L	2.87											EPA9034	0.5	3.3094362	100	TRB	05-02-00
Reactivity	*	-	No											SW846-7	y/n				
Flash Point	*	oF	>200											EPA1010	75	0.9266552	100	EAB	05-04-00
NACE Corrosivity	*	mm/yr	0.04J											-	0.001			MAN	05-04-00
				Date Received:		04-27-00		Typed:		06-02-00		Sent:		06-02-00					
Project Number				Sumter Pub Works				Qualifier Key											
PO Number				0084003.300				J Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;											
Date Sampled				1 04-27-00 *				The sample matrix interfered with the ability to make any accurate determination;											
Date Analyzed				0				The reported value is between the MDL and the PQL.											
Compacted								Q Sample held beyond the accepted holding time.											
Format				NormRRR				U Indicates that the compound was analyzed for but not detected.											
Unit Cost				Exted				V Indicates that the analyte was detected in both the sample and the associated method blank.											
reactivity				7500 1 *															
FP				4500 1 *															
NACE				3000 1 *															

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter Pub Works
Lab Numbers: 10995 - 10995

Report date: 2-Jun-00



**FLOWERS
CHEMICAL
LABORATORIES**



FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Cent. Testing Lab
Project Number:	Sumter Pub Works
P.O. Number:	0084003.300
Date Sampled:	27-Apr-00
Lab Numbers:	10995 - 10995

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter.

The cyanide was run out of holding time. It was resampled and analysed as FCL lab number 12433.

The report for 12433 is attached.

The requested analytes did not require surrogates.

Accuracy / Precision:

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

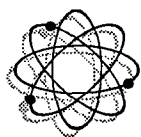
Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

There were 2 standard blanks.



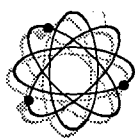
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084003.300
Date Sampled: 27-Apr-00
Lab Numbers: 10995 - 10995

Analyte	Unit	Method	Date	Concentration
Hydrogen Sulfide	mg/L	EPA376.1	05-02-00	<0.5
Flash_Point	oF	EPA1010	05-04-00	<75



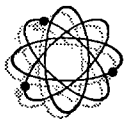
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084003.300
Date Sampled: 27-Apr-00
Lab Numbers: 10995 - 10995

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Flash_Point	oF	EPA1010	05-04-00	81.0	81.0	100%	70.5 - 93.2



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter Pub Works
P.O. Number: 0084003.300
Date Sampled: 27-Apr-00
Lab Numbers: 10995 - 10995

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Flash Point QCCS Matrix Spike	Fisher	970450	1076	JSF	10-07-97	10-07-01	1434	JSF	12-07-99	12-07-00			1.00	0.017		
EPA1010 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA376.1 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATEDJefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client Sumter Co. Public Works
CLC Central Testing Lab
 Address 7275 14th St
Leesburg FL 34745
 Phone 352-781-4265

FCL Client No. _____

FCL Project Manager _____

P.O. Number _____

FCL Lab Coordinator _____

Project Name / No. 0084003.300Requested Due Date: 10 day

Contact _____

Sampled By (PRINT):

Sampler Signature

Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST					
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Zn (conc.)	Corrosivity	Reactivity	Ignitability	Bioreactivity	Biodegradability	Other
1	EFF	10:30	EFF	10995	3	1				1	1	X	X				
2																	
3																	
4	Before			31511	1											X	
5	After	10:00	Air	31512	1											X	
6																	

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									
							<i>JS mngn</i>	4/2/00	15:15

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

Central Testing Laboratory

Engineering and Materials Testing

May 1, 2000

Ms. Susan Pelz, P.E. *SP*
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RECEIVED
MAY 04 2000
Department of Environmental Protection
BY SOUTHWEST DISTRICT

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
First Quarter 2000

Dear Ms. Pelz:

Central Testing Laboratory submitted a first quarter air and scrubber water partial report on April 11, 2000. At the time of the submittal, the corrosivity had not been tested because of a delayed shipment of the reagent Antimony Trichloride from Germany to Flowers Chemical Laboratory. Flowers has not yet received this shipment to date and it is unknown when it will be received. The corrosivity is not going to be analyzed for the first quarter due to the holding time and an uncertain arrival date of the reagent.

Central Testing Laboratory has sampled for the second quarter and hope to have all the required results for you on the next submittal.

Also, the report submitted April 11, 2000 indicated that Central Testing Laboratory completed the fourth quarter sampling, this should have stated the first quarter.

If you should have any questions, or need additional information, please feel free to contact me.

Respectfully Submitted,
CENTRAL TESTING LABORATORY



Judi M. Kelch
Environmental Specialist

cc: Garry Breeden
Terry Hurst

P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14TH Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:
D.E.P.
APR 14 2000
Southwest District Tampa

April 11, 2000

Ms. Susan Pelz, P.E.
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
First Quarter 2000

Dear Ms. Pelz:

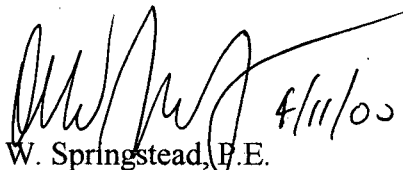
Central Testing Laboratory (CTL) has completed the fourth quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, Before, and at the outlet of the biofilter, After. The air samples were tested for BTEX and TRPH. The scrubber water has been analyzed for ignitability and reactivity at this time. Due to a delayed shipment of Antimony Trichloride to Flowers Chemical Laboratory, the corrosivity has not yet been completed. We expect this analysis to be completed within the next two weeks and will forward the results upon completion.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory



Judi M. Kelch
Environmental Technician



David W. Springstead, P.E.
Fl. Registration No.: 48229

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler

P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14TH Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter County Public Works
c/o Central Testing Lab.
P.O. Box 883
Floral City, FL 34436

Date Reported : Mar13 2000
Project Number : 0084003.300
PO Number : Sumter County Public Work
FDHRS Number : 83139
FDER Number : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

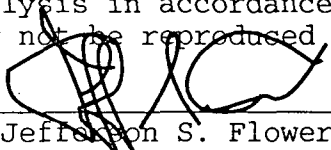
Date Sampled: Mar 1 2000 Date Received: Mar 1 2000 Lab Numbers: 31431-31432

REPORT OF ANALYSIS

Parameter	Unit	Reportable %ACC %PRC	31431 BEFORE	31432 AFTER
		Detection Limit		
Tot_Pet_Hydrocarbons	mg/m3	1.00	261.	5.00
Benzene	mg/m3	1.59	<1.59	<1.59
Toluene	mg/m3	1.59	<1.59	<1.59
Ethylbenzene	mg/m3	1.59	<1.59	<1.59
Xylene	mg/m3	1.59	<1.59	<1.59
Total_BTEX	mg/m3	1.59	<1.59	<1.59
Methyl-tert-butyleth	mg/m3	1.59	<1.59	<1.59

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

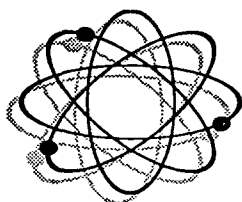
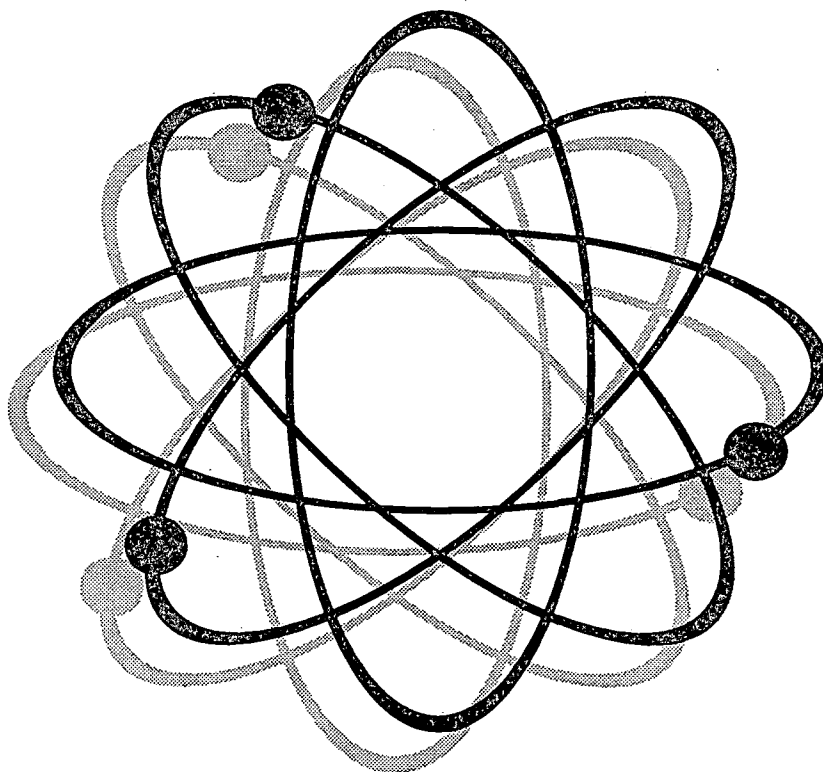

Jefferson S. Flowers, Ph.d.
President/Technical Director

1199			FLOWERS CHEMICAL LABORATORIES														
			ANALYTICAL RESULTS FORM										HRS Number 83139				
Parameter	Symbol	Unit	Before	After									QA		Section		
			31431	31432									Method	MDL	%RSD	%Rec	Analys Date
Tot Pet Hydrocarbons	*	mg/m3	261V	5V									EPA18	1			DO 03-01-00
Benzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			DO 03-01-00
Toluene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			DO 03-01-00
Ethylbenzene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			DO 03-01-00
Xylene	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			DO 03-01-00
Total BTEX	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			DO 03-01-00
MTBE	*	mg/m3	<0.5U	<0.5U									EPA18	0.5			DO 03-01-00
			Date Received:		03-01-00		Typed:		03-13-00		Sent:		03-13-00				
Project Number	0084003.300		Qualifier Key														
PO Number	Sumter County Public Works		J Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;														
Date Sampled	1 03-01-00 *		The sample matrix interfered with the ability to make any accurate determination;														
Date Analyzed	0		The reported value is between the MDL and the PQL.														
Compacted			Q Sample held beyond the accepted holding time.														
Format	NormRR		U Indicates that the compound was analyzed for but not detected.														
Unit Cost	Exted		V Indicates that the analyte was detected in both the sample and the associated method blank.														
Bush EPA18	11406 2 *																

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: 0084003.300
Lab Numbers: 31431 - 31432

Report date: 13-Mar-00



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client:	Cent. Testing Lab
Project Number:	0084003.300
P.O. Number:	Sumter County Public Works
Date Sampled:	1-Mar-00
Lab Numbers:	31431 - 31432

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

The requested analytes did not require surrogates.

Accuracy / Precision:**Method Blanks:**

1 target compound was found in the method blank in excess of the method limit as shown in section 3. This represents a 85.7% success rate.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

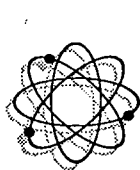
The t-test limits were exceeded for 2 calibration standards as shown in section 5.

This represents a 71.4% success rate.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



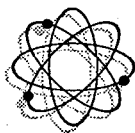
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: 0084003.300
P.O. Number: Sumter County Public Works
Date Sampled: 1-Mar-00
Lab Numbers: 31431 - 31432

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	03-01-00	15.7
Benzene	mg/m3	EPA18	03-01-00	<0.5
Toluene	mg/m3	EPA18	03-01-00	<0.5
Ethylbenzene	mg/m3	EPA18	03-01-00	<0.5
Xylene	mg/m3	EPA18	03-01-00	<0.5
Total_BTEX	mg/m3	EPA18	03-01-00	<0.5
MTBE	mg/m3	EPA18	03-01-00	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: 0084003.300
P.O. Number: Sumter County Public Works
Date Sampled: 1-Mar-00
Lab Numbers: 31431 - 31432

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	03-01-00	400	378	94.5%	289 - 505
Benzene	mg/m3	EPA18	03-01-00	400	376	94.0%	270 - 493
Toluene	mg/m3	EPA18	03-01-00	400	395	98.8%	291 - 494
Ethylbenzene	mg/m3	EPA18	03-01-00	400	404	101%	297 - 501
Xylene	mg/m3	EPA18	03-01-00	1200	1221	102%	882 - 1506
Total_BTEX	mg/m3	EPA18	03-01-00	2400	2396	99.8%	1775 - 2958
MTBE	mg/m3	EPA18	03-01-00	400	369	92.3%	270 - 495



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: 0084003.300
P.O. Number: Sumter County Public Works
Date Sampled: 1-Mar-00
Lab Numbers: 31431 - 31432

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Tot_Pet_Hydrocarbons QCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	9.69	>1.67	0.976	0.052	1.03	0.079
Benzene QCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	9.69	>1.67	0.976	0.052	1.03	0.079
Toluene QCCS Matrix Spike	Aldrich Aldrich	06446BG 06446BG	111 111	DO DO	01-05-95 01-05-95	12-04-99 02-04-05	1374 1373	DO DO	08-19-99 08-19-99	08-19-00 08-19-00	7.35 8.66	>1.68 >1.67	0.986 0.986	0.067 0.067	0.969 1.05	0.037 0.069
Ethylbenzene QCCS Matrix Spike	Aldrich	02954HF	112	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	10.5	>1.67	0.975	0.047	0.954	0.096
O-Xylene QCCS Matrix Spike	Aldrich Aldrich	07452JZ 07452JZ	116 116	DO DO	01-05-95 01-05-95	12-04-99 02-04-05	1374 1373	DO DO	08-19-99 08-19-99	08-19-00 08-19-00	50.8 4.11	±2.06 >1.71	0.930 0.965	0.033 0.056	2.02 0.916	0.077 0.119
M&P-Xylene QCCS Matrix Spike	Aldrich Aldrich	05249HG 05249HG	124 124	DO DO	01-05-95 01-05-95	12-04-99 02-04-05	1374 1373	DO DO	08-19-99 08-19-99	08-19-00 08-19-00	16.2	±2.02	0.991	0.043	1.35	0.014
MTBE QCCS Matrix Spike	Aldrich	08065KG	115	DO	01-05-95	02-04-05	1373	DO	08-19-99	08-19-00	4.42	>1.67	0.951	0.066	1.03	0.114



FAX: (407) 260-6110

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS



**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Sumter County Public Works
c/o Central Testing Labs
727 S. 14th Street
Leesburg, FL 34748

Date Reported : Apr 6 2000
Project Number : 0084003.300
PO Number : Sumter County Public Work
FDHRS Number : 83139
FDER Number : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: FP CN H2S NACE

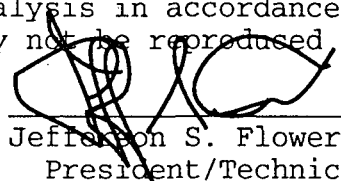
Date Sampled: Mar 1 2000 Date Received: Mar 1 2000 Lab Number : 7538

REPORT OF ANALYSIS

Parameter	Unit	Reportable	%ACC	%PRC	7538 EFF
		Detection			
		Limit			
Flash_Point of		75.0			>200.
Cyanide mg/L		.00330	60.7	6.69	<.0033
Hydrogen Sulfide mg/L		0.500			<0.500
NACE mm/yr		.00100			-

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced, in part, results relate only to items tested.

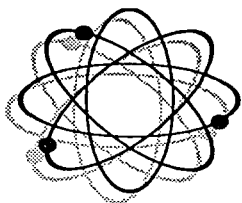
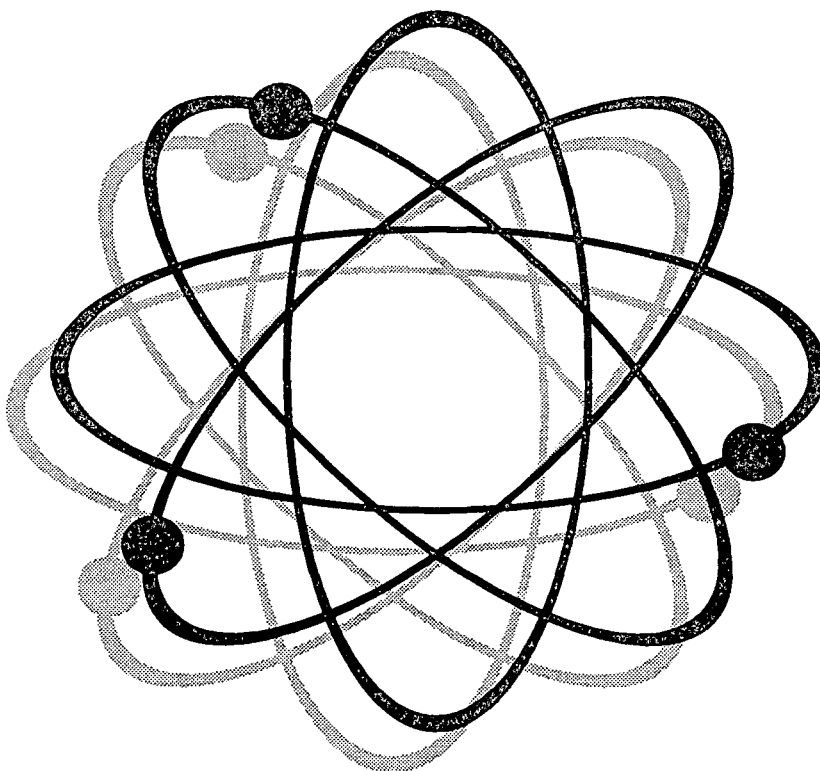

Jefferson S. Flowers, Ph.D.
President/Technical Director

1199			FLOWERS CHEMICAL LABORATORIES																
			ANALYTICAL RESULTS FORM										HRS Number 83139						
Parameter	Symbol	Unit	EFF											QA		Section			
Flash Point	*	oF	7538											Method	MDL	%RSD	%Rec	Analys	Date
Cyanide	*	mg/L	0.000											EPA1010	75		100	EAB	03-13-2000 08:15
Hydrogen Sulfide	*	mg/L	<0.0033U											EPA335.2	0.0033	6.6992599	60.771275	EAB	03-02-2000 09:15
NACE Corrosivity	*	mm/yr	<0.5											EPA376.1	0.5			TRB	03-05-00
			Date Received:		03-01-00		Typed:		04-06-00		Sent:		04-06-00						
Project Number	0084003.300		Qualifier Key																
PO Number	Sumter County Public Works		J	Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;															
Date Sampled	1 03-01-00 *			The sample matrix interfered with the ability to make any accurate determination;															
Date Analyzed	0			The reported value is between the MDL and the PQL.															
Compacted			Q	Sample held beyond the accepted holding time.															
Format	NormRR		U	Indicates that the compound was analyzed for but not detected.															
Unit Cost	Exted		V	Indicates that the analyte was detected in both the sample and the associated method blank.															
FP	4500	1 *																	
CN	3000	1 *																	
H2S	1000	1 *																	
NACE	3000	1 *																	

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: 0084003.300
Lab Numbers: 7538 - 7538

Report date: 6-Apr-00



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client:	Cent. Testing Lab
Project Number:	0084003.300
P.O. Number:	Sumter County Public Works
Date Sampled:	1-Mar-00
Lab Numbers:	7538 - 7538

Sample Handling

Sample handling and holding time criteria were met for all samples.
Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.
The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.
The RSD was met for all compounds as shown in section 2.

Method Blanks:

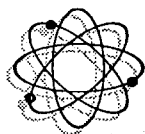
No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.
The t-test limits were met for all QCCS standards as shown in section 5.
The t-test limits were met for all matrix spike standards as shown in section 5.
There were 3 standard blanks.



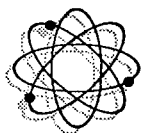
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Cent. Testing Lab
Project Number: 0084003.300
P.O. Number: Sumter County Public Works
Date Sampled: 1-Mar-00
Lab Numbers: 7538 - 7538

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Cyanide	mg/L	EPA335.2	02-2000 09	0.1	0.005	0.066	60.8%	0.061	55.9%	0.056 - 0.147	0.003	0 - 0.028



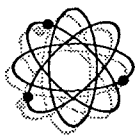
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: 0084003.300
P.O. Number: Sumter County Public Works
Date Sampled: 1-Mar-00
Lab Numbers: 7538 - 7538

Analyte	Unit	Method	Date	Concentration
Flash_Point	oF	EPA1010	03-13-2000 08:15	<75
Cyanide	mg/L	EPA335.2	03-02-2000 09:15	<0.0033
Hydrogen Sulfide	mg/L	EPA376.1	03-05-00	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: 0084003.300
P.O. Number: Sumter County Public Works
Date Sampled: 1-Mar-00
Lab Numbers: 7538 - 7538

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Flash_Point	oF	EPA1010	3-13-2000 08:1	81.0	81.0	100%	70.5 - 93.2
Cyanide	mg/L	EPA335.2	3-02-2000 09:1	0.050	0.052	104%	0.035 - 0.063

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110


**CHEMICAL
LABORATORIES
INCORPORATED**

Contact

2/29/00

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. C	UNPP	H ₂ SO ₄	HNO ₃	HCl	Cd	Zn	Pb	Cu	Van	BTR				
1	EFF		ww	7538	3	1				1	1		X						pH > 10
2																			
3	before		Air	31431	1	1									X				
4	after		Air	31432	1	1									X				
5																			
6																			

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									


 FEL 2/1/00 0737

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS



**Springstead
Engineering, Inc.**

Consulting Engineers - Architects - Planners - Surveyors

22926
95061

EB - 0001723
AA - 0002820
LB - 0001723

727 South 14th Street
Leesburg, Florida 34748

Lake (352) 787-1414
Sumter (352) 793-3639
Fax (352) 787-7221

February 18, 2000

Ms. Susan J. Pelz, P.E. 2/13/00
Solid Waste Section
Southwest District
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
FEB 22 2000
SOUTHWEST DISTRICT
TAMPA

**RE: Sumter County Solid Waste Management Facility
Statement of Operational Changes
Permit No. 126941-001-SO
SEI File No. 921100.008**

Dear Ms. Pelz:

This letter presents the statement of operational changes as required by Specific Conditions 8(b) of the permit for the above referenced facility.

The only changes which have occurred in the operation at the facility have been the use of the direct-feed conveyor which was permitted as a construction change. The details of operation of the conveyor were presented in the construction permit application. No other changes to the operation and maintenance manual or operations plan have occurred.

Please review this information and contact me if you have any questions or comments.

Very truly yours,
Springstead Engineering, Inc.

David W. Springstead, P.E.
Florida Registration No. 48229

cc: Garry Breedén - SCPW
Terry Hurst - SCSWMF

DWS/jal
(March 4, 1999 b:operation.chg)

**Fax Cover Sheet
Sumter County Solid Waste**

P.O. Box 1066
Bushnell, Florida 33513
Phone (352) 793-3368
Fax (352) 568-0166
Terry Hurst, Solid Waste Superintendent

To: Susan J. Pelz, P.E. 11/31/00

Company: FDEP

From: Terry Hurst

Company: _____

Number of Pages Including Cover Sheet 3

Please Notify Us If You Do Not Receive All The Pages Or They Are Not Legible.



UNIVERSITY OF
FLORIDA

TREEO CENTER

Center for Training, Research and Education for Environmental Occupations

certifies that

Lonnie Cash

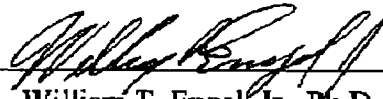
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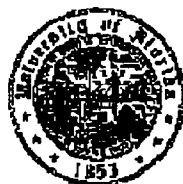
***Construction and Demolition Debris Landfills:
A Short Course for Operators***

January 24-26, 2000
and is awarded this

Certificate of Attendance

Date issued: 01/26/00
CEU's : 2.0


William T. Engel, Jr., Ph.D.
Director



UNIVERSITY OF
FLORIDA

TREEO CENTER

Center for Training, Research and Education for Environmental Occupations

certifies that

Reginald Hurst

attended

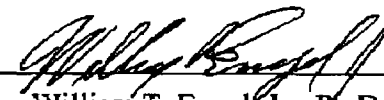
***Construction and Demolition Debris Landfills:
A Short Course for Operators***

January 24-26, 2000
and is awarded this

Certificate of Attendance

Date issued: 01/26/00

CEU's : 2.0


William T. Engel, Jr., Ph.D.
Director

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

November 9, 1999

Ms. Susan Pelz, P.E.
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

DER.
NOV 15 1999
Southwest District Tampa

Leesburg

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Fourth Quarter 1999

Dear Ms. Pelz:

Central Testing Laboratory (CTL) has completed the fourth quarter air and scrubber water analysis as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, Before, and at the outlet of the biofilter, After. The air samples were tested for BTEX and TRPH. The scrubber water was tested for characteristics of hazardous waste.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory

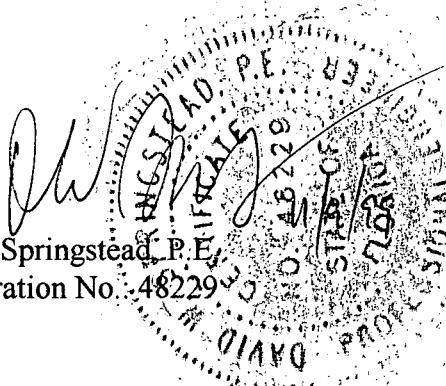


Judi M. Kelch
Environmental Technician

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler

David W. Springstead, P.E.
Fl. Registration No. 48229



P.O. Box 883
Floral City, FL 34436
(352) 726-6447

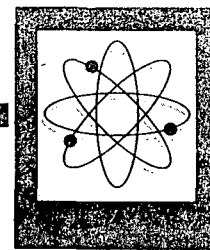
727 S. 14TH Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Oct20 1999

Project Number : Sumter Co.

PO Number : N/A

FDHRSW Number : 83139

NYSDOH Number : 11595

FDER COMQAPNum : 86-0008G

LDHH Number : 94-23

NCDEHNR Number : 296

SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Oct19 1999 Date Received: Oct19 1999 Lab Numbers: 31205-31206

REPORT OF ANALYSIS

Parameter	Unit	Practical Quantitative Limit	31205 31206	
			%ACC %PRC BEFORE	AFTER
Tot_Pet_Hydrocarbons	mg/m3	3.18	132.	11.0
Benzene	mg/m3	.00059	<.0006	<.0006
Toluene	mg/m3	.00089	<.0009	<.0009
Ethylbenzene	mg/m3	0.636	<0.636	<0.636
Xylene	mg/m3	.00121	<.0012	<.0012
Total_BTEX	mg/m3	1.59	<1.59	<1.59
Methyl-tert-butyleth	mg/m3	.00080	<.0008	<.0008

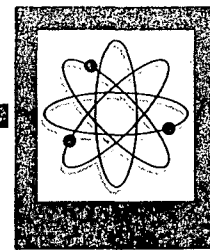
Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.d.
President/Technical Director

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Oct20 1999
Project Number : Sumter Co.
PO Number : N/A
FDHRS Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Oct19 1999 Date Received: Oct19 1999 Lab Numbers: 31205-31206

REPORT OF INFORMATION

Parameter Unit	Limit	Expected Value	Range	Correlation
			31205	
Tot_Pet_Hydrocarbons mg/m3	134000	12400	132.	
			31206	
Tot_Pet_Hydrocarbons mg/m3	134000	12400	11.0	

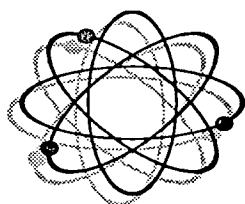
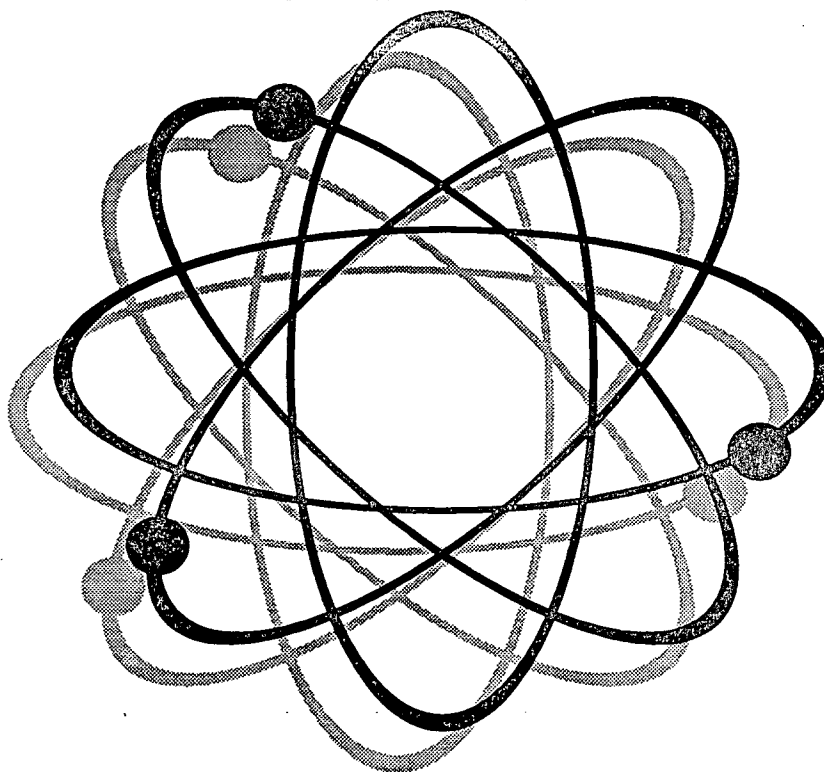
The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

1199			FLOWERS CHEMICAL LABORATORIES													
			ANALYTICAL RESULTS FORM										HRS Number 83139			
Parameter	Symbol	Unit	Before	After									QA	Section		
			31205	31206									Method	MDL	%RSD	%Rec
Tot Pet Hydrocarbons	*	mg/m3	132V	11V									EPA18	1		
Benzene	*	mg/m3	<0.000186U	<0.000186U									EPA18	0.000186		
Toluene	*	mg/m3	<0.000279U	<0.000279U									EPA18	0.000279		
Ethylbenzene	*	mg/m3	<0.2U	<0.2U									EPA18	0.2		
Xylene	*	mg/m3	<0.000382U	<0.000382U									EPA18	0.000382		
Total BTEX	*	mg/m3	<0.5U	<0.5U									EPA18	0.5		
MTBE	*	mg/m3	<0.000253U	<0.000253U									EPA18	0.000253		
			Date Received:		10-19-99		Typed:		10-20-99		Sent:		10-20-99			
Project Number	Sumter Co.															
PO Number	N/A															
Date Sampled	1 10-19-99 *															
Date Analyzed	0															
Compacted																
Format	NormRR															
Unit Cost	Exted															
EPA18	6250 2 *															

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter Co.
Lab Numbers: 31205 - 31206

Report date: 20-Oct-99



**FLOWERS
CHEMICAL
LABORATORIES**

QA Conformance Summary

Client:	Cent. Testing Lab
Project Number:	Sumter Co.
P.O. Number:	N/A
Date Sampled:	19-Oct-99
Lab Numbers:	31205 - 31206

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter

The requested analytes did not require surrogates.

Accuracy / Precision:

Method Blanks:

1 target compound was found in the method blank in excess of the method limit as shown in section 3. This represents a 85.7% success rate.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

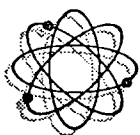
Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



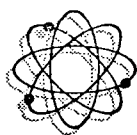
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter Co.
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 31205 - 31206

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	10-20-99	11.4
Benzene	mg/m3	EPA18	10-20-99	<0.000186
Toluene	mg/m3	EPA18	10-20-99	<0.000279
Ethylbenzene	mg/m3	EPA18	10-20-99	<0.2
Xylene	mg/m3	EPA18	10-20-99	<0.000382
Total_BTEX	mg/m3	EPA18	10-20-99	<0.5
MTBE	mg/m3	EPA18	10-20-99	<0.000253



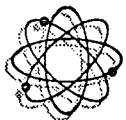
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter Co.
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 31205 - 31206

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	10-20-99	400	414	104%	287 - 506
Benzene	mg/m3	EPA18	10-20-99	400	344	86.0%	274 - 494
Toluene	mg/m3	EPA18	10-20-99	400	347	86.8%	296 - 498
Ethylbenzene	mg/m3	EPA18	10-20-99	400	348	87.0%	302 - 506
Xylene	mg/m3	EPA18	10-20-99	1200	1067	88.9%	875 - 1518
Total_BTEX	mg/m3	EPA18	10-20-99	2400	2105	87.7%	1759 - 2983
MTBE	mg/m3	EPA18	10-20-99	400	338	84.5%	275 - 495



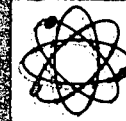
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter Co.
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 31205 - 31206

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Tot_Pet_Hydrocarbons OCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99			1.02	0.031	1.07	
Benzene OCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99			1.02	0.031	1.07	
Toluene OCCS Matrix Spike	Aldrich	06446BG	111	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.54	>1.68	1.02	0.059	0.999	0.023
Ethylbenzene OCCS Matrix Spike	Aldrich	02954HF	112	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.04	>1.68	0.975	0.047	1.04	0.016
O-Xylene OCCS Matrix Spike	Aldrich Aldrich	07452JZ 07452JZ	116 116	DO DO	01-05-95 01-05-95	01-05-99 12-04-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99			0.965 0.965	0.056 0.056	0.993 1.05	0.020 0.107
M&P-Xylene OCCS Matrix Spike	Aldrich Aldrich	05249HG 05249HG	124 124	DO DO	01-05-95 01-05-95	01-05-99 12-04-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
MTBE OCCS Matrix Spike	Aldrich	08065KG	115	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.54	>1.68	1.02	0.059	0.999	0.023



CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client Central Testing Lab
Address 727 S. 14th St.
Leesburg A 34748
Phone 352-781-1268

Sampled By (PRINT):

Judi Keld

Sampler Signature

Date Sampled

Judi Keld

10/19/99

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: _____

P.O. Number _____

Project Name / No. Sumter Co.

Contact _____

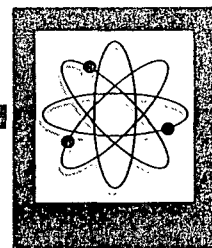
ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST					
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Zn	As						
1	EFF	9:30	EFF		3	1				1	1	<div>Ignitability Corrosivity Reactivity BTEX, TPH</div>					
2	Before	9:45	air	31205	1	1											
3	After	10:00	air	31206	1	1											
4																	
5																	
6																	

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									
							<u>Chad L. Flowers</u>	10/19/99	2:44PM

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:
Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Oct27 1999
Project Number : Sumter Co
PO Number : N/A
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: H2S CN FP NACE

Date Sampled: Oct19 1999 Date Received: Oct19 1999 Lab Number : 7268

REPORT OF ANALYSIS

Parameter	Unit	Practical Quantitative Limit	%ACC	%PRC	7268 EFF
Hydrogen Sulfide	mg/L	0.500			<0.500
Cyanide	mg/L	0.0105	129.	.510	<.0105
Flash_Point of		75.0	103.	.000	>200.
NACE	mm/yr	.00318			0.0398

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

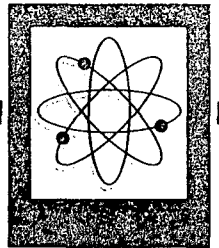
Jefferson S. Flowers, Ph.d.
President/Technical Director

Section 1 of 5

Page 1 of 1

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Oct27 1999

Project Number : Sumter Co

PO Number : N/A

FDHRS Number : 83139

FHRS ENV Number : E83018

FDER COMQAP Num : 86-0008G

LDHH Number : 94-23

NCDEHNR Number : 296

SCDHEC Number : 96019

For: H2S CN FP NACE

Date Sampled: Oct19 1999 Date Received: Oct19 1999 Lab Number : 7268

REPORT OF INFORMATION

Parameter Unit	Limit	Expected Value	Range	Correlation
			7268	
Flash_Point oF	300.	172.	200.	
NACE mm/yr	3.09	0.322	0.0398	

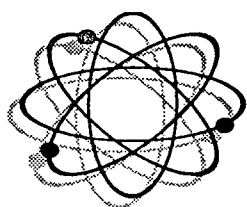
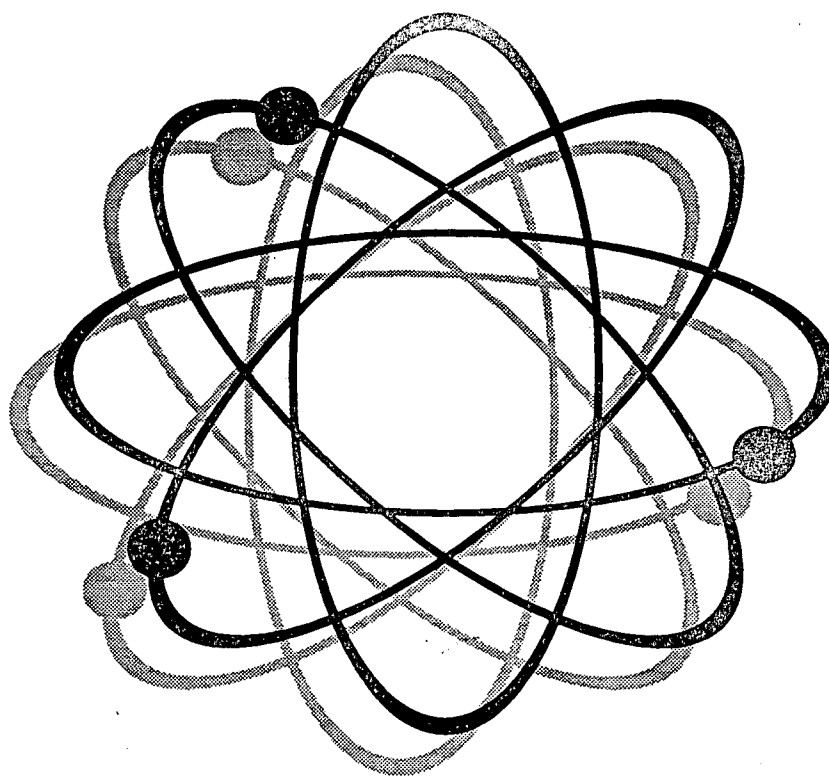
The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

1199			FLOWERS CHEMICAL LABORATORIES																
			ANALYTICAL RESULTS FORM										HRS Number 83139						
Parameter	Symbol	Unit	EFF												QA		Section		
			7268												Method	MDL	%RSD	%Rec	Analys Date
Hydrogen Sulfide	*	mg/L	<0.5												EPA376.1	0.5			TRB 10-25-99
Cyanide	*	mg/L	<0.0033U												EPA335.2	0.0033	0.5179082	129.87143	BLB 10-25-99
Flash Point	*	oF	<200												EPA1010	75		103.89610	BLB 10-20-99
NACE Corrosivity	*	mm/yr	0.0398U												-	0.001			MAN 10-26-99
			Date Received:		10-19-99		Typed:		10-27-99		Sent:		10-27-99						
Project Number		Sumter Co																	
PO Number		N/A																	
Date Sampled		1 10-19-99 *																	
Date Analyzed		0																	
Compacted																			
Format		NormRR																	
Unit Cost		Exted																	
H2S		1000 1 *																	
CN		3000 1 *																	
FP		4500 1 *																	
NACE		3000 1 *																	

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter Co
Lab Numbers: 7268 - 7268

Report date: 27-Oct-99



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
SDG Narrative
Summary**

Client: Cent. Testing Lab
Project Number: Sumter Co
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 7268 - 7268

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.

The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

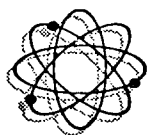
Standards Traceability:

The t-test limits were exceeded for 1 calibration standard as shown in section 5. This represents a 50.0% success rate.

The t-test limits were exceeded for 1 QCCS standard as shown in section 5. This represents a 50.0% success rate.

The t-test limits were met for all matrix spike standards as shown in section 5.

There were 2 standard blanks.



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Cent. Testing Lab
Project Number: Sumter Co
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 7268 - 7268

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Cyanide	mg/L	EPA335.2	10-25-99	0.1	-0.005	0.124	130%	0.124	129%	0.052 - 0.130	0.001	0 - 0.026



**FLOWERS CHEMICAL
LABORATORIES, INC.**

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter Co
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 7268 - 7268

Analyte	Unit	Method	Date	Concentration
Hydrogen Sulfide	mg/L	EPA376.1	10-25-99	<0.5
Cyanide	mg/L	EPA335.2	10-25-99	<0.0033
Flash_Point	oF	EPA1010	10-20-99	<75



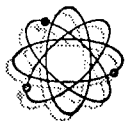
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter Co
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 7268 - 7268

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Cyanide	mg/L	EPA335.2	10-25-99	0.050	0.049	97.7%	0.035 - 0.063
Flash_Point	oF	EPA1010	10-20-99	77.0	80.0	104%	66.7 - 88.7



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

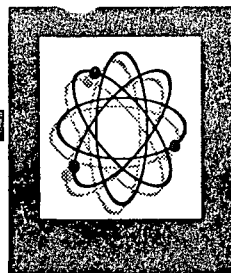
Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter Co
P.O. Number: N/A
Date Sampled: 19-Oct-99
Lab Numbers: 7268 - 7268

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Cyanide	EMS	34341536	442	DRP	03-12-96	12-31-99	1228	DRP	05-24-99	11-23-99	5.59	±2.00	0.918	0.092	1.20	0.312
OCCS	Baker	3080-01	44	DRP	04-07-95	12-31-99	1328	DRP	07-13-99	12-31-99			1.60	2.39	0.897	0.109
Matrix Spike	EMS	34341536	442	DRP	03-12-96	12-31-99	1228	DRP	05-24-99	11-23-99	5.59	±2.00	0.918	0.092	1.20	0.312
Flash_Point																
OCCS	Fisher	983085	870	DPL	02-04-99	12-31-99	1180	DPL	04-06-99	12-31-99						
Matrix Spike																
EPA335.2 Blank	Flowers Chemical Laboratories	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA376.1 Blank	Flowers Chemical Laboratories	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						

FLOWERS

**CHEMICAL
LABORATORIES
INCORPORATED**



Internal Custody Record

Lab Number: 7268

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**CHEMICAL
LABORATORIES
INCORPORATED**

Jefferson S. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-59
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client Central Testing Lab
Address 727 S. 14th St.
Leesburg A 34748
Phone 352-787-1268

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: _____

P.O. Number _____

Project Name / No. Sumter co.

Contact _____

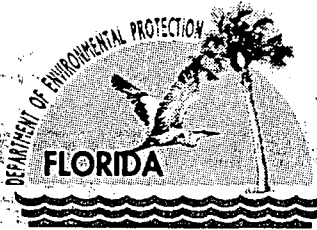
Sampled By (PRINT): _____

Sampler Signature Judi Keld Date Sampled 10/19/99

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST.
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Zn Chloride	NaOH	
1	EFF	9:30	EFF	7268	3					1	1	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Ignitability</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Corrosivity</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Reactivity</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX, TPH</div> </div>
2	Before	9:45	air		1	1						
3	After	10:00	air		1	1						
4												
5												
6												

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									
							<i>J. Stout</i>	10/14/99	1515

J. Stant 10/19/99 1515



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Garry Breeden, Director
Sumter County Public Works Dept.
319 E. Anderson Ave.
Bushnell, Fl. 33513

October 11, 1999


RE: Sumter County Digester Finishing Building #2
Permit No.: 126940-006-SC, Sumter County
Certification of Construction Completion-
Completeness Inspection

Dear Mr. Breeden:

On September 27, 1999, an inspection of the above-referenced facility relative to construction completion and adherence to the permit issued by the Florida Department of Environmental Protection (FDEP) was made by Terry Hurst (Sumter County), and John Morris, Art Julian and Susan Pelz (FDEP).

Certification of Construction Completion dated August 24, 1999 (received August 25, 1999), and Record Drawings Sheets 1 through 7 of 7 (received August 25, 1999), have been received by the Department. Based on the information submitted, and the site inspection, the Department approves operations of the above referenced facility in accordance with modified Operations Permit No. 126940-001-SO (sent under separate cover).

Sincerely,


Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp

cc: David Springstead, P.E., Springstead Engineering, 727 S. 14th St.,
Leesburg, Fl. 34748
Terry Hurst, Sumter County, PO Box 1066, Bushnell, Fl. 33513
Mitch Kessler, TIA, 10012 N. Dale Mabry, Ste. 223, Tampa, Fl. 33613
Robert Butera, P.E., FDEP Tampa

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

Printed on recycled paper.

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: X DEBORAH A. GETZOFF, Director of District Management

FROM/THROUGH:

William Kutash

Robert Butera, P.E. *10/13*

Susan Pelz, P.E. *10/11*

WJ 10/14/99
ENVIRONMENTAL ADMINISTRATOR

SUPERVISOR

ENGINEER

DATE: October 11, 1999

FILE NAME: Sumter County Composting

PROGRAM : Solid Waste

Mod #126940-007-SO to

PERMIT #: 126940-001-SO

COUNTY : Sumter

TYPE OF PERMIT ACTION: X ISSUE DENY X MODIFY
 TRANSFER OWNER NOD
 PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? PETITION FILED?

PERMIT SUMMARY: This modification is to operate the recently constructed finishing building expansion. The expansion will provide additional area for composting and curing the materials.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: Certification of Construction Completion was received on August 25, 1999. A site inspection was conducted on September 27, 1999. The construction was completed in substantial compliance with the Department approved plans.

Application received - October 7, 1999

Application complete - October 7, 1999

Department processing time - 5 days (to 10-11-99).

Total processing time - 5 days (to 10-11-99).

DAY 90/30 FOR THIS ACTION IS: ASAP

Is your RETURN ADDRESS completed on the reverse side?

Permit Mod # 126940-007-50

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

SUMTER COUNTY PUBLIC WORKS DEPT.
MR. GARRY BREEDEN, DIRECTOR
319 E. ANDERSON AVENUE
BUSHNELL, FL 33513

4a. Article Number

Z352 608 342

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

10/15

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Addressee or Agent)

Ronda Bland

Thank you for using Return Receipt Service.

Z 352 608 342

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to <i>Sarasota County Public Int</i>	
Street & Number <i>Dept - Larry Brewer</i>	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>10-14-99</i> <i>126940-007-80</i>	

PS Form 3800 April 1995

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

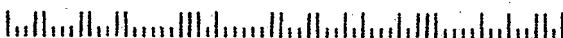
• Print your name, address, and ZIP Code in this box •

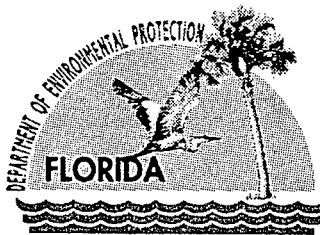
State of Florida
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Southwest District Tampa

0CT 18 1999

D.E.P.
Susan Pelz - Solid Waste





Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

October 14, 1999

NOTICE OF PERMIT

Sumter County Public Works Department
Mr. Garry Breeden, Director
319 E. Anderson Ave.
Bushnell, Florida 33513

RE: Modification number 126940-007-SO to existing Operation
Permit No. 126940-001-SO; Sumter County
Sumter County Composting

Dear Mr. Breeden:

Attached is modified permit number 126940-001-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 126940-005-SO:

<u>SPECIFIC CONDITIONS</u>	<u>FROM</u>	<u>TO</u>	<u>TYPE OF MODIFICATION</u>
#2.u.	N/A	New	Permit documentation to include requested modification
#7.d.	Existing	Amended	Slopes on floors
#12.a.	Existing	Amended	Drainage

This letter and its attachments constitute a **complete permit** and **replace** all previous permits and permit modifications for the above referenced facility.

A person whose substantial interests are affected by this modification of permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000, within fourteen (14) 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 fourteen (14) days shall constitute a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes.

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 Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of 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 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 statement of which rules or statutes petitioner contends warrant 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 and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. 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 28-5.207, F.A.C. Mediation is not available in this proceeding.

This modified permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rules 62-110 and 28-106, F.A.C. Upon timely filing of a petition or a request for an extension of time this transfer of permit 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, Florida Statutes, by the 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, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 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.

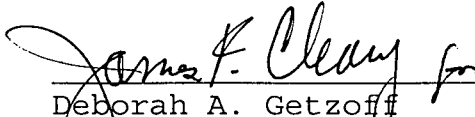
Sumter County Public Works Department
Mr. Garry Breeden, Director

Mou. #126940-007-SO to
Permit No:126940-001-SO

Page 4

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
Director of District Management
Southwest District

RDG/sjp
Attachment


Copies furnished to:

Sumter County Board of County Commissioners
David Springstead, P.E., Springstead Engineering, 727 S. 14th St.,
Leesburg, Fl. 34748
Terry Hurst, Sumter County, PO Box 1066, Bushnell, Fl. 33513
Mitch Kessler, TIA, 10012 N. Dale Mabry, Ste. 223, Tampa, Fl. 33618
Douglas Beason, OGC Tallahassee
Francine Joyal, FDEP Tallahassee
Fred Wick, FDEP Tallahassee
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa (Permit Notebook)

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby
certifies that this **NOTICE OF PERMIT** and all copies were mailed
before the close of business on Oct. 14, 1999 to the listed
persons. (date stamp)

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant
to Section 120.52(10), Florida
Statutes, with the designated
Department, Clerk, receipt of
which is hereby acknowledged.


Clerk

10-14-99
Date



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Sumter County Public Works Dept.
Mr. Garry Breeden, Director
319 E. Anderson Ave.
Bushnell, Florida 33513

PERMIT/CERTIFICATION

GMS ID No: 4060C00092
Permit No: 126940-001-SO
Date of Issue: 05/29/1998
Expiration Date: 05/01/2003
County: Sumter
Lat/Long: 28°44'30"
82°05'20"
Sec/Town/Rge: 15/20S/22E
Project: Sumter County
Composting Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-3, 62-4, 62-25, 62-330, 62-520, 62-522, 62-550, 62-701, and 62-709, F.A.C. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To **operate** a solid waste Composting Facility (approximately 100 tons per day), referred to as the Sumter County Solid Waste Management (Composting) Facility, subject to the specific and general conditions attached, for materials recovery, sorting and recycling, located 1 mile east of Interstate 75, along the south side of C.R. 470, north of Bushnell, Sumter County, Florida. The specific conditions attached are for the operation of:

1. Composting Facility

Replaces Permit Numbers:

SO60-211179, SC60-298996, 126940-002-SC, and 126940-006-SC.

Includes previous modifications dated 6-18-98 and 10-22-98.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breedon, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

GENERAL CONDITIONS:

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT)
 - (b) Determination of Prevention of Significant Deterioration (PSD)
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

GENERAL CONDITIONS:

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

(a) All reports or information required by the Department shall be certified as being true, accurate and complete.

(b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance, and all information required by Rule 62-28.230(4)(b), F.A.C.

(d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the State.

GENERAL CONDITIONS:

17. The following conditions also shall apply to a hazardous waste facility permit.

- (a) The following reports shall be submitted to the Department:
 - 1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
 - 2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
 - 3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.
- (b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:
 - 1. A description and cause of the noncompliance.
 - 2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
- (c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.
- (d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

SPECIFIC CONDITIONS:

1. **Facility Designation.** This site shall be classified as a solid waste management facility for composting of solid waste materials and shall be constructed and operated in accordance with all applicable requirements of Chapters 62-3, 62-4, 62-330, 62-520, 62-522, 62-550, 62-701, and 62-709, Florida Administrative Code (F.A.C.) and all applicable requirements of Department Rules.

2. **Permit Application Documentation.** This permit is valid for operation of the composting facility (finishing building and digester) and related facilities in accordance with the reports, plans and other information, submitted by **Springstead Engineering, Inc.**, as follows:

a. Request for Additional Information Composting Facility Expansion- Digester, dated February 17, 1997 (received February 18, 1997);

b. Bedminster Digester System Operation and Maintenance Manual, dated January 13, 1997 (received February 24, 1997);

c. Plan Sheets titled, Sumter County Solid Waste Management Facility MSW Compost Digester, signed and sealed December 24, 1996, including the following revised sheets:

- 1) Sheet 5 of 5 received February 18, 1997;
- 2) Sheet SUM EL01 received February 18, 1997;

d. Request for Additional Information Composting Facility Expansion- Digester, dated April 14, 1997 (including drawings which have not been subsequently revised);

e. Additional information dated May 6, 1997 (received May 7, 1997);

f. Record Drawings Sheets 1, 2, 3, 4, and 5 of 5, received August 14, 1997;

g. Certification of Construction Completion dated October 29, 1997 (received October 30, 1997) including Record Drawings received October 30, 1997:

- 1) Digester Location Plan, Sheet 2 of 6
- 2) SUM-EL01 Digester Plan and Elevation
- 3) SUM-BF01 Biofilter General Arrangement, and
- 4) SUM-BF02 Biofilter Plan and Sections;

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

SPECIFIC CONDITIONS:

(Specific Condition #2., cont'd)

- h. Application to Renew Operating Permits for Sumter County Recycling, Processing and Composting Facility, dated August 1, 1997 (received August 4, 1997);
- i. Request for Additional Information, Composting Facility Operation Renewal/Expansion... dated October 1, 1997 (received October 2, 1997);
- j. Contract Documents for the Construction of the Sumter County Finishing Building, dated September 11, 1997 (received October 27, 1997);
- k. Request for Additional Information Composting Facility Expansion..., dated October 24, 1997 (received October 27, 1997);
- l. Sumter County Solid Waste Facility Operations Manual, dated December 1997 (received January 9, 1998);
- m. Request for Additional Information, Composting Facility Operation Renewal... dated January 9, 1998 (received January 9, 1998);
- n. Additional information (concerning financial assurance) dated March 5, 1998 (received March 6, 1998);
- o. Plan Sheets titled, Sumter County Composting, Processing and Recycling Facility- Compost Finishing Building, (7 sheets) dated August 29, 1997 (received September 3, 1997), including the following revised sheets dated October 24, 1997 (received October 27, 1997):
 - 1) Sheet 3 of 7, Floor Plan,
 - 2) Sheet 4 of 7, Foundation Plan,
 - 3) Sheet 5 of 7, Elevations,
 - 4) Sheet 6 of 7, Elevations, and
 - 5) Sheet 7 of 7, Electrical Plan;
- p. Sheet 2 of 3, "Site Plan," dated October 24, 1997 (received October 27, 1997);

SPECIFIC CONDITIONS:

(Specific Condition #2., cont'd)

q. Plan Sheets signed and sealed August 4, 1997 (received August 4, 1997) as follows:

- 1) Sheet 1 of 1, "Overall Site Plan," dated August 4, 1997;
- 2) Record Drawing, Sheet 2 of 5, "Proposed Materials Recovery Building Floor Plan," dated August 4, 1997;
- 3) Sheet 3 of 5, "Composting Site Plan;"
- 4) Sheet 4 of 5, "Zoning Map;"
- 5) Aerial Photograph dated 2-1-97.

r. In accordance with all applicable requirements of Department rules, and

s. Information dated June 11, 1998 concerning reporting dates.
New 6-18-98.

t. Modification of Permit and Operation Sumter County Composting Facility, dated July 24, 1998 (received July 28, 1998); and Additional Information dated September 4, 1998 (received September 9, 1998) concerning the building modifications.
New 10-22-98.

u. The following information concerning Finishing Building #2:
1) Information dated October 6, 1999 (received October 7, 1999);
2) Certification of Construction Completion dated August 24, 1999 (received August 25, 1999); and
3) Record Drawings, Sumter County Composting, Processing and Recycling Facility Compost Finishing Building - 2,... (7 sheets) dated August 24, 1999 (received August 25, 1999).

New OCT 14 1999.

3. Permit Modifications.

a. This permit is valid for the operation of the finishing building, digester and related appurtenances (e.g. biofilter and scrubber).

b. This permit does not authorize the management of waste tires, used oil or other special wastes (e.g. white goods, scrap metal) at the site.

SPECIFIC CONDITIONS:

(Specific Condition #3, cont'd)

c. Any activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts, and which requires a detailed review by the Department, is considered a substantial modification.

4. **Permit Renewal.** No later than one hundred eighty (180) days before the expiration of this Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules.

5. **Certification of Construction Completeness.** No later than thirty (30) days after the completion of construction, and prior to operation of finishing building, and the digester system building extension and digester by-pass system, the following activities shall be completed:
Amended 10-22-98.

a. The owner or operator shall submit a Certification of Construction Completion, DEP Form 62-701.900(2), signed and sealed by the professional engineer of Record, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

b. The owner or operator shall submit Record Drawings of the facility. The Record Drawings shall include, but not be limited to:

- 1) As-built details of the finishing building such as the floor slopes (leachate collection system);
- 2) Processing equipment installation (if applicable);
- 3) Piping, electrical, and fire suppression systems;
- 4) Building eave heights, clearances and floor elevations;
- 5) Other details as necessary.

c. A final survey shall be provided which demonstrates that the as-built floor elevations, grades and wall heights were constructed in accordance with the Department-approved plans.

SPECIFIC CONDITIONS:

(Specific Condition #5., cont'd)

- d. The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification by the design engineer to the Department.
6. Prohibitions. The prohibitions of 62-701.300, F.A.C., shall not be violated.
7. Facility Operation Requirements.
 - a. Material shall not be processed in the finishing building systems prior to submittal of, and Department approval of, the Certification of Construction requirements of Specific Condition #5 above.
 - b. The permittee shall operate this facility in accordance with Chapter 62-709, F.A.C.; the information and drawings as listed in Specific Condition #2 above; and any other applicable requirements.
 - c. Waste or leachate shall not be stored in the "lined emergency storage cell."
 - d. Each finishing building floor (buildings #1 and #2) shall be sloped to the center as shown on *Sheet 3 of 7, Floor Plan*, dated October 24, 1997. In the event that liquids accumulate on the floor, the liquids shall be removed by the end of the working day. These liquids may be placed back on the compost piles, may be removed for offsite disposal, or may be disposed of in another appropriate manner.
Amended OCT 14 1999.
 - e. Litter shall be collected at least once daily.
 - f. In the event of extended downtime (greater than 72 hours) of equipment, or other emergency conditions, additional feedstock materials shall not be placed in the digester system until equipment is operable or the emergency condition has ceased. The feedstock materials shall be removed to an appropriate off-site disposal facility.
 - g. In order to minimize the potential for explosions and fires, explosive items (e.g. fireworks, ammunition, some aerosol cans) shall be removed from the waste stream prior to processing in the digester unit.

SPECIFIC CONDITIONS:

(Specific Condition #7., cont'd)

h. All processed and unprocessed waste materials and compost additives shall be unloaded inside the building or into trucks or containers on paved areas. Spillage inside the building from the loading, unloading or sampling activities may be cleaned up at the end of each business day. Spillage in the digester discharge area shall be cleaned up **immediately** upon completion of the loading, unloading or sampling activity (prior to continuing with other facility operations).

i. Leakage of fuels, oil, grease, other lubricants or fluids, from the digester equipment which is discharged to soils outside the building, or leachate collection system, shall be cleaned up **immediately** upon discovery (prior to continuing with other facility operations) and stored in a covered container for off-site disposal.

j. Dust shall be controlled at the facility to prevent potential fire hazards and nuisances.

k. Materials shall remain a minimum of 72 hours in the digester unit, unless the permittee demonstrates that a reduced time period does not adversely affect effectiveness of the composting process. The permittee may request Department approval of temporary reductions in the residence time for experimental purposes.

l. Composted materials which utilize different feedstocks and additives shall be cured, finished and stored in separate piles. (ref. Specific Condition #2.d., page 4) These materials may be mixed or commingled after the finished compost analyses are received and the analyses demonstrate that the piles are the same classification of compost (pursuant to 62-709.550, F.A.C.).

m. All compost additives (e.g. biosolids, domestic waste residuals/sludge, animal manure, urea, lime, etc.) shall be stored in covered containers or under roof in areas with leachate collection. Additives shall not be stored for greater than **ninety (90) days**. Additives shall be managed and stored in a manner which sufficiently controls odors or vectors.

n. The number, size, location and orientation of the windrows in the finishing building shall be such that the movement of the turning equipment is not impaired.

o. Final screening of compost material shall be conducted inside the main finishing building or "lean to" portion of the building.

SPECIFIC CONDITIONS:

(Specific Condition #7., cont'd)

p. Finished compost materials shall be sampled and analyzed in accordance with Rule 62-709.530, F.A.C. Finished compost for which test results have not been received, shall be stored separate from other materials (e.g. unfinished compost, residuals, etc.) until the test results are received. Finished compost which is classified Types A, B and C may be stored outside the building after the test results are received.

q. The outside asphalt pads shall not be used for composting without prior Department approval. The pads may be used for storage of Type A compost.

8. Scrubber and Biofilter.

a. A copy of a permit issued by the Department's Air Resources Section, or documentation that no permit is required, for the digester system shall be submitted to the Solid Waste Section within 30 days of receipt.

b. At a minimum, the biofilter media shall be regenerated or replaced, **annually, by June 15th each year**, unless the permittee provides documentation to the Department which demonstrates that the biofilter efficiency has not significantly decreased for the previous year.

c. The temperature of the air flow to the biofilter, the back pressure to the biofilter, and the biofilter bed depth shall be monitored to evaluate the efficiency of the unit.

d. Liquids which discharge from the scrubber shall be recirculated into the digester system, discharged to the leachate management system at the site, or removed for off-site disposal at a permitted wastewater treatment facility.

e. Liquids which discharge from the scrubber shall be sampled and analyzed to adequately demonstrate that the liquids are not a hazardous waste, and to monitor the effectiveness of the scrubber unit. The quality of the air flow to the scrubber and out of the scrubber shall be monitored to allow for the evaluation of the effectiveness of the scrubber unit.

f. The 3000 gallon "mixing basin" (digester make-up water holding tank) shall be emptied each day the digester is loaded. (ref. Specific Condition #2.h., Section 3, page 2 and Specific Condition #2.i, page 5)

SPECIFIC CONDITIONS:

9. Operation Plan and Operating Record.

a. A copy of the Department-approved permit, information listed in Specific Condition #2. above, Operation and Maintenance Manual, Operations Plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. These records shall be maintained at the facility for a minimum of five years, or as otherwise requested by the Department.

b. The Operations Plan shall be reviewed, and all changes, or a statement indicating that no changes have occurred, shall be submitted to the Department **annually, by March 15th** each year.

10. Recordkeeping and Reporting.

a. Unless otherwise specified, all records shall be maintained at the facility and copies provided to the Department upon request.

b. The owner or operator of the composting facility shall record, in tons (and cubic yards) per day, the amount of material input and removed from the digester system.

c. The permittee shall maintain records on the quantity (tons and cubic yards) of material placed in windrows in the finishing building, the quantity of finished compost produced, and the length of time required to finish the compost.

d. The following information shall be recorded daily, compiled **monthly**, and submitted to the Department **quarterly**:

1) The quantity, in tons (and cubic yards) of each additive and feedstock material which are input into the digester, and the quantity of materials removed from the digester. This information may be based on the average daily quantity for each month.

2) The total quantity (gallons) of make-up water, leachate, recirculated liquids or other liquids added to the digester system.

3) Moisture content and temperature of each compartment of the digester unit.

4) Which combination of air pollution control units were utilized, i.e. scrubber, biofilter.

e. The following information shall be submitted to the Department **quarterly**:

SPECIFIC CONDITIONS:

(Specific Condition #10.e., cont'd)

- 1) Analytical results for:
 - a) Scrubber discharge water;
 - b) Scrubber air discharge; and
 - c) Finished compost.
- 2) Average residence time for material in the digester each month.
- 3) Quantity of finished compost.

f. Reporting required by Specific Conditions #10.d and e., above, shall be in accordance with the following schedule:

- 1) Activity from July 1st through September 30th, report due October 15th;
- 2) Activity from October 1st through December 31st, report due January 15th;
- 3) Activity from January 1st through March 31st, report due April 15th; and
- 4) Activity from April 1st through June 30th, report due July 15th.

Amended 6-18-98.

g. After the first year of operation, the reporting requirements (frequency and/or information required) may be reduced based on the data provided. However, unless specifically authorized otherwise, the permittee shall continue to submit reports on the dates required by Specific Condition #10.f. above.

11. **Monitoring of Waste.** The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous waste is a waste in Chapter 62-730, F.A.C. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule.

12. **Drainage Requirements.**

a. All areas shall be cleaned at the end of each day's operation, at a minimum, or as needed, to prevent odors and vectors. All washdown water shall be contained within the building(s) or leachate management system. Except for the center sump of the finishing buildings, floors shall be free of standing liquids. Materials in the finishing buildings (in-process, finished, in windrows, etc.) shall not be located in ponded water.

Amended OCT 14 1999.

SPECIFIC CONDITIONS:

(Specific Condition #12., cont'd)

- b. Except for discharges to the leachate management system, liquids shall not discharge from the digester system or finishing building at any time.
 - c. Use of the existing leachate surface impoundments (or sumps) for the management of leachate shall cease within 120 days of issuance of this permit.
 - d. The "lean-to" portion of the finishing building shall be constructed and operated to prevent the accumulation of liquids in the digester discharge area. Liquids which accumulate in this area, and have contacted waste, shall be managed as leachate.
13. **Closure Requirements.** The facility owner or operator shall notify the Department of the facility's closure, no later than **180 days prior** to the date when the facility is expected to close. The facility shall be closed in accordance with 62-709.510(4), F.A.C.
14. **Financial Assurance.** Since the digester system is an integral part of the materials recovery facility (MRF) located at the site, the owner or operator shall provide financial assurance for this solid waste management facility, pursuant to Rules 62-4.110, and 62-701.700, F.A.C. The costs for loading, transportation and disposal of the maximum quantity of feedstock which may be at the facility at any time must be included with the financial assurance cost estimates for the MRF. All costs for closure and proof that the financial mechanism has been funded adequately shall be submitted annually shall be submitted in accordance with Permit Number 126941-001-SO, Specific Condition #13, or its successors.
15. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this construction. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take **immediate (within 24 hours)** corrective action to abate the nuisance. The owner or operator shall control disease vectors so as to protect the public health and welfare.
16. **Facility Maintenance and Repair.**
- a. The site shall be properly maintained including building maintenance, and maintenance of equipment, drainage systems, leachate collection and removal systems, and stormwater systems.

SPECIFIC CONDITIONS:

(Specific Condition #16., cont'd)

b. Except for minor equipment repairs and maintenance, in the event of the following occurrences, the permittee shall **immediately (within 24 hours)** notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken and time needed for repairs:

- 1) Damage to any portion of the site facilities;
- 2) Failure of any portion of the associated systems;
- 3) Emergency incidents such as fires or explosions;
- 4) Extended downtime (greater than 72 hours) for any component of the digester system.

c. Written detailed notification, including a plan for corrective actions, shall be submitted to the Department **within seven (7) days** following the occurrence.

d. Within 48 hours of use, the Department shall be notified of operation of the digester by-pass system. The Department shall also be notified when normal operations utilizing the digester resume. [ref. SC#2.t.]

New 10-22-98.

17. **Stormwater System.** The site shall continue to have a stormwater management system operated and maintained to prevent surface water flow into waste processing and storage areas. The stormwater management system shall be operated and maintained in accordance with Chapter 62-330, F.A.C., and any other applicable Department or water management district rules.

18. **Fire Safety.**

a. **Annually**, the permittee shall arrange for a fire safety inspection by the local fire protection authorities. The inspection shall be conducted no later than **June 15th** each year. The fire safety inspection report, which includes a statement from the local protection authorities that the site meets the requirements of the local fire protection authorities, shall be maintained at the facility for five years, and copies shall be provided to the Department upon request.

b. In the event that deficiencies are noted, **within 30 days** of completion, the permittee shall provide documentation to the Department indicating correction of any deficiencies noted in the annual Fire Safety Survey. The documentation shall include approval of the corrections by the local fire authority.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

PERMIT NO.: 126940-001-SO
Composting Facility-Operation

SPECIFIC CONDITIONS:

19. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

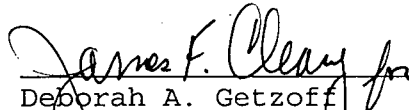
20. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

21. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

22. **Regulations.** Chapter 62-709, F.A.C. (effective 12-17-96), and Chapter 62-701, F.A.C. (effective 4-23-97), are incorporated into this permit by reference. The permittee shall comply with all applicable requirements of Department rules.

Executed in Tampa, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
Director of District Management
Southwest District

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration (November 2, 2002)	Permit Renewal Application
5.a., 5.b., 5.c.	Within 30 days of completion of construction	Certification of Construction Completion submitted; Record Drawings submitted
8.b.	Annually, by June 15th each year	Regenerate biofilter media
9.b.	Annually, by March 15th each year	Revised Operations Plan
10.d., 10.e., 10.f.	Quarterly, by October 15th, January 15th, April 15th, and July 15th	Waste quantity reports, analytical results
12.c.	Within 120 days of permit issuance	Cease use of leachate impoundments
13.	180 days prior to date of final material acceptance	Closure notification
14.	Annually	Revised financial assurance cost estimates, proof that financial mechanism is adequately funded
16.b.	Within 24 hours, of occurrence	Notification of failure of systems
16.c.	Within 7 days, of occurrence	Written notification & description of corrective actions
18.a.	Annually, by June 15th	Fire safety survey/inspection completed
18.b.	Within 30 days of completion	Documentation of approved completion of fire safety corrective actions



**Springstead
Engineering, Inc.**

Consulting Engineers - Architects - Planners - Surveyors

EB - 0001723

AA - 0002820

LB - 0001723

727 South 14th Street
Leesburg, Florida 34748

Lake (352) 787-1414

Sumter (352) 793-3639

Fax (352) 787-7221

October 6, 1999

Ms. Susan J. Pelz, P.E.
Solid Waste Section
Southwest District
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

D.E.P.
OCT 07 1999
Southwest District Tampa

**RE: Request to Modify Operation Permit
Sumter County Solid Waste Management Facility
Sumterville, Sumter County Florida
Permit No. 126940-001-SO
SEI File No. 921100.010**

Dear Ms. Pelz:

This letter is to request a modification to our operation permit utilizing Sumter County to operate the Phase II portion of the finish building which was recently completed and inspected. The operation of windrowing of compost will be the same as previously described for the original finishing building with the exception that the windrows will continue across the length of both Phase I and Phase II of the finish building.

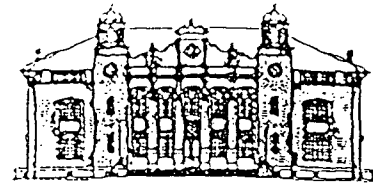
Attached you will find the authorization letter and resolution for Sumter County relating to permit fees for small counties. Please review this information and contact me if you have any questions.

Very truly yours,
Springstead Engineering, Inc.


David W. Springstead, P.E.
Vice President
Florida Registration No. 48229

DWS/jal
cc: Garry Breeden
Terry Hurst

Sumter County Government



Board of Sumter County Commissioners

209 North Florida Street, Bushnell, Florida, 33513 Room 206 Telephone (352) 793-0200 SUNCOM 665-0200 FAX (352) 793-0207

October 6, 1999

Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Request to Modify Operation Permit
Sumter County Solid Waste Management Facility
Sumterville, Sumter County, Florida

Dear Sir:

In compliance with Chapter 94-278, Florida Statutes, relating to permit fees for small counties, you will find attached herewith a resolution duly adopted by the Board of Sumter County Commissioners in open session.

I certify that the attached resolution specifically applies to the project listed above and request that the provisions of the statute be used to calculate the appropriate permit fee.

Please contact me at the telephone number of letterhead address if you need additional information or clarification of this request.

Very truly yours,

OFFICE OF COUNTY ADMINISTRATOR

BY

BERNARD DEW
COUNTY ADMINISTRATOR

BD:th

Enclosure

Benny G. Strickland, Chairman
Dist. 1 (352) 748-5015 or 748-2060
P. O. Box 207
Wildwood, FL 34785

Joey A. Chandler, Dist. 2
(352) 568-8184
P. O. Box 530
Lake Panasoffkee, FL 33538

Robin Cox, Dist. 5
(352) 793-6910
P. O. Box 1482
Webster, FL 33597

Randall N. Thornton
County Attorney
(352) 793-4040, P.O. Box 58
Lake Panasoffkee, FL 33538

Billy "Tiny" Ruttlor, Vice Chairman
Dist. 3, (352) 748-4220
P.O. Box 37
Coleman, FL 33521-0037

Karon S. Krauss, Dist. 4
(352) 793-0259 or 793-7704
309 Center Street
Bushnell, FL 33513

Gloria R. Hayward, Clerk & Auditor
(352) 793-0215
209 North Florida Street
Bushnell, FL 33513

Bernard Dew, County Administrator
(352) 793-0200
209 North Florida Street
Bushnell, FL 33513

SUMTER COUNTY RESOLUTION

A RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF SUMTER COUNTY, FLORIDA, CERTIFYING A FISCAL HARDSHIP JUSTIFYING A WAIVER OR REDUCTION IN FEES BY FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND WATER MANAGEMENT DISTRICTS AND AUTHORIZING COUNTY ADMINISTRATOR BERNARD DEW TO APPLY FOR SUCH WAIVERS AND EXEMPTIONS PURSUANT TO SENATE BILL 1780.

WHEREAS, Sumter County has been at the 10 mil ad valorem limit for several years, and

WHEREAS, the Board has been required to pay various permit fees to Florida Department of Environmental Protection (DEP) and Southwest Florida Water Management District (SWFWMD), which permit fees have presented a fiscal hardship to the Board, and

WHEREAS, the Florida Legislature adopted Senate Bill 1780 which provides for exemptions and waivers of such permit fees to qualified counties and cities, and Sumter County qualifies under Section 1, subsection (4) and possibly other subsections.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Sumter County, Florida, as follows:

1. Sumter County does hereby certify that the cost of permit processing fees from DEP and SWFWMD is a fiscal hardship due to the fact that Sumter County has been at the 10 mil ad valorem cap for the past several years.

2. County Administrator Bernard Dew is hereby authorized to formally apply for waivers and exemptions from such permit processing fees.

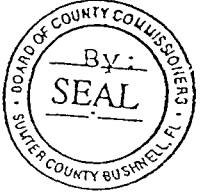
2. A copy of this resolution shall be spread among the minutes of this Board and shall be furnished to the DEP, SWFWMD

and such other appropriate authorities and agencies as needed.

DONE and RESOLVED at Bushnell, Sumter County, Florida, this

24th day of May, 1994.

ATTEST: SARA H. MASON
Clerk of Circuit Court



Jan Kirkpatrick
Deputy Clerk

BOARD OF COUNTY COMMISSIONERS
OF SUMTER COUNTY, FLORIDA

Jim Allen
Jim Allen - Chair

SOUTHWEST DISTRICT
FDEP

**Solid Waste Program
Permitting Application**

New Site

Site Name:
Site Address:
County:
Type/Subcode:

Existing Site

Site ID:	126940 - 007
Project Name:	Finishing building 2
Type/Subcode:	SO MM
Fee Submitted:	<input checked="" type="checkbox"/> correct () incorrect
Fee Refund \$	Small Co. Waiver
Fee Request \$	

Related Party

Role:	Applicant
Name:	Garry Breeden
Company:	
Street:	ON file
City:	
Zip Code:	
Phone:	

Distribution Date: _____

Fee Checked By: PELZ

Date: 10/8/99

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

September 23, 1999

Ms. Susan Pelz, P.E.
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

D.E.P.
SEP 27 1999
Southwest District Tampa

Leesburg

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Third Quarter 1999

Dear Ms. Pelz:

Central Testing Laboratory (CTL) has completed the Third quarter air and scrubber water analysis as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, B, and at the outlet of the biofilter, A. The air samples were tested for BTEX and TRPH. The scrubber water was tested for characteristics of hazardous waste.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

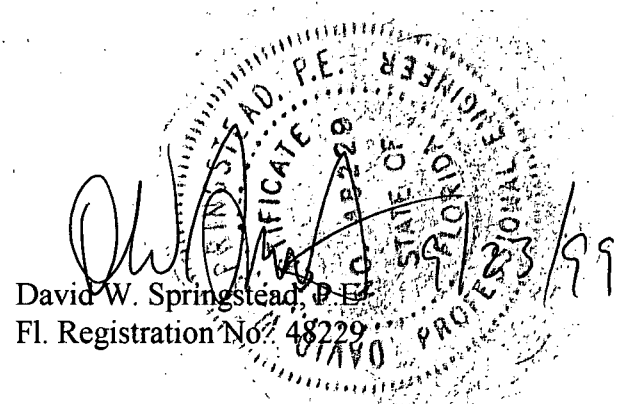
Very Truly Yours,
Central Testing Laboratory



Judi M. Kelch
Environmental Technician

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler



David W. Springstead, P.E.
Fl. Registration No. 48229

P.O. Box 883
Floral City, FL 34436
(352) 726-6447

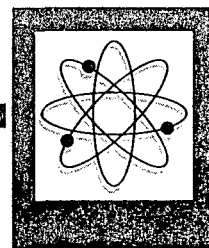
727 S. 14TH Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Sep 7 1999
Project Number : Sumter
PO Number : N/A
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

D.E.P.
SEP 27 1999
Southwest District Tampa

For: BTEX TRPH

Date Sampled: Sep 2 1999 Date Received: Sep 3 1999 Lab Numbers: 31135-31136

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	31135	31136
					AFTER	BEFORE
		Detection Limit				
Tot_Pet_Hydrocarbons	mg/m3	1.00			3.11	44.2
Benzene	mg/m3	0.200			<0.200	<0.200
Toluene	mg/m3	0.500			<0.500	<0.500
Ethylbenzene	mg/m3	0.500			<0.500	<0.500
Xylene	mg/m3	0.500			<0.500	<0.500
Total_BTEX	mg/m3	0.500			<0.500	<0.500
Methyl-tert-butyleth	mg/m3	0.500			<0.500	<0.500

Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.


Jefferson S. Flowers, Ph.d.
President/Technical Director

Section 1 of 5

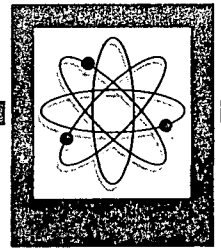
Page 1 of 1

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ALTAMONTE SPRINGS,
FLORIDA 32701
P.O. BOX 150597
ALTAMONTE SPRINGS,
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110
WEB: www.flowerslabs.com

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:
Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Sep 7 1999
Project Number : Sumter
PO Number : N/A
FDHRS Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Sep 2 1999 Date Received: Sep 3 1999 Lab Numbers: 31135-31136
REPORT OF INFORMATION

Parameter Unit	Limit	Expected Value	Range	Correlation
			31135	
Tot_Pet_Hydrocarbons mg/m3	134000	12400	3.11	
			31136	
Tot_Pet_Hydrocarbons mg/m3	134000	12400	44.2	

The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

Section 2 of 5

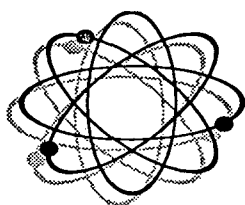
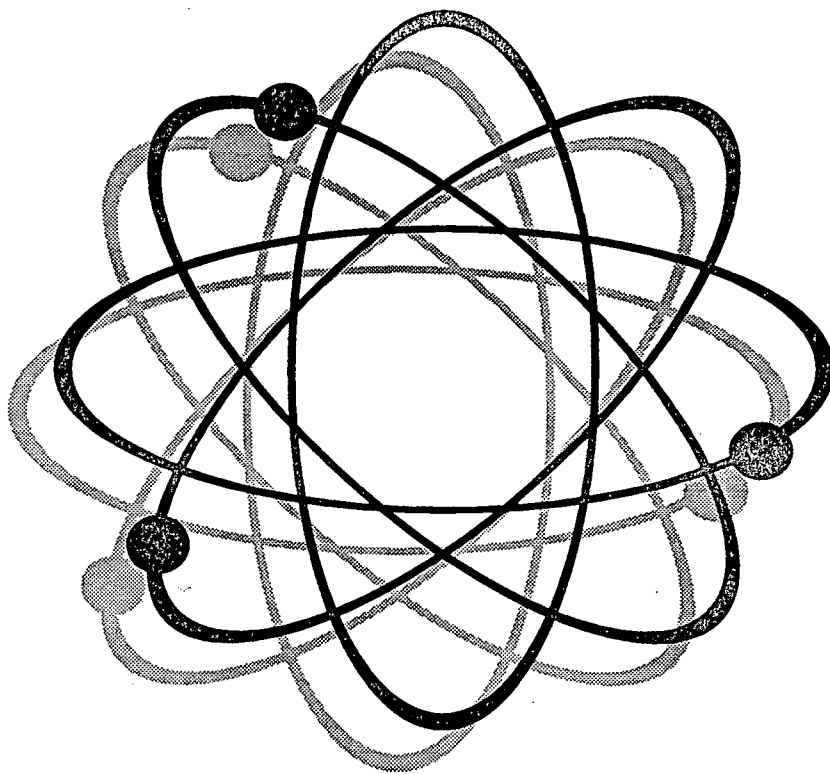
Page 1

1199		FLOWERS CHEMICAL LABORATORIES															
		ANALYTICAL RESULTS FORM										HRS Number 83139					
Parameter	Symbol	Unit	after	before								QA		Section		Analyt	Date
			31135	31136									Method	MDL	%RSD		
Tot Pet Hydrocarbons	*	mg/m3	3.11V	44.2V								EPA18	1			DO	09-03-99
Benzene	*	mg/m3	<0.2U	<0.2U								EPA18	0.2			DO	09-03-99
Toluene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			DO	09-03-99
Ethylbenzene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			DO	09-03-99
Xylene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			DO	09-03-99
Total BTEX	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			DO	09-03-99
MTBE	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			DO	09-03-99
			Date Received: 09-03-99		Typed: 09-07-99		Sent: 09-07-99										
Project Number	Sumter																
PO Number	N/A																
Date Sampled	1 09-02-99 *																
Date Analyzed	0																
Compacted																	
Format	NormRR																
Unit Cost	Exted																
Bush EPA18	12500 2 *																

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter
Lab Numbers: 31135 - 31136

Report date: 7-Sep-99



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
Conformance
Summary**

Client:	Cent. Testing Lab
Project Number:	Sumter
P.O. Number:	N/A
Date Sampled:	2-Sep-99
Lab Numbers:	31135 - 31136

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter

The requested analytes did not require surrogates.

Accuracy / Precision:**Method Blanks:**

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

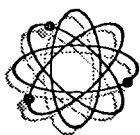
The control limits were met for all compounds as shown in section 4.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.



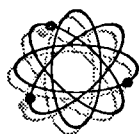
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 31135 - 31136

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	09-03-99	3.17
Benzene	mg/m3	EPA18	09-03-99	<0.2
Toluene	mg/m3	EPA18	09-03-99	<0.5
Ethylbenzene	mg/m3	EPA18	09-03-99	<0.5
Xylene	mg/m3	EPA18	09-03-99	<0.5
Total_BTEX	mg/m3	EPA18	09-03-99	<0.5
MTBE	mg/m3	EPA18	09-03-99	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 31135 - 31136

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	09-03-99	400	343	85.8%	295 - 496
Benzene	mg/m3	EPA18	09-03-99	400	330	82.5%	277 - 492
Toluene	mg/m3	EPA18	09-03-99	400	366	91.5%	298 - 497
Ethylbenzene	mg/m3	EPA18	09-03-99	400	387	96.8%	303 - 505
Xylene	mg/m3	EPA18	09-03-99	1200	1147	95.6%	905 - 1519
Total_BTEX	mg/m3	EPA18	09-03-99	2400	2230	92.9%	1785 - 2991
MTBE	mg/m3	EPA18	09-03-99	400	322	80.5%	279 - 491



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

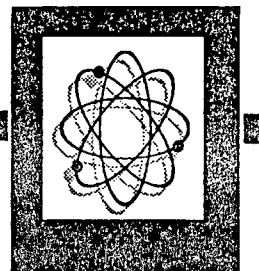
Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 31135 - 31136

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Tot_Pet_Hydrocarbons QCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99			1.02	0.031	1.07	
Benzene QCCS Matrix Spike	Aldrich	05162LG	113	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99			1.02	0.031	1.07	
Toluene QCCS Matrix Spike	Aldrich	06446BG	111	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.54	>1.68	1.02	0.059	0.999	0.023
Ethylbenzene QCCS Matrix Spike	Aldrich	02954HF	112	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.04	>1.68	0.975	0.047	1.04	0.016
O-Xylene QCCS Matrix Spike	Aldrich Aldrich	07452JZ 07452JZ	116 116	DO DO	01-05-95 01-05-95	01-05-99 12-04-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99			0.965 0.965	0.056 0.056	0.993 1.05	0.020 0.107
M&P-Xylene QCCS Matrix Spike	Aldrich Aldrich	05249HG 05249HG	124 124	DO DO	01-05-95 01-05-95	01-05-99 12-04-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
MTBE QCCS Matrix Spike	Aldrich	08065KG	115	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.54	>1.68	1.02	0.059	0.999	0.023

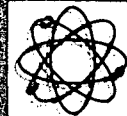
FLOWERS

**CHEMICAL
LABORATORIES
INCORPORATED**



Internal Custody Record Lab Numbers: 31135 - 31136

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**CHEMICAL
LABORATORIES**
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

 481 NEWBURYPORT
 P.O. BOX 150-597
 ALTAMONTE SPRINGS
 FLORIDA 32715-0597
 BUS: (407) 339-5984
 FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

 Client Central Testing Lab
 Address 727 S. 14th St.
Leesburg FL 34748
 Phone 352-787-1268

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: 10-day

P.O. Number _____

Project Name / No. Sumter

Contact _____

Sampled By (PRINT):

Judi Keld

Sampler Signature

Date Sampled

Judi Keld9-2-99

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST									
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Zn (1:1:1)	None	Reactivity	Corrosivity	Ignitability	TOX. TPH						
1	W#1	9:45	EFF	11839	3	1				1	1	X									2400/pH 7.0
2	Air After	10:15	Air	31135	1	1									X						
3	Air Before	10:00	Air	31136	1	1									X						
4																					
5																					
6																					

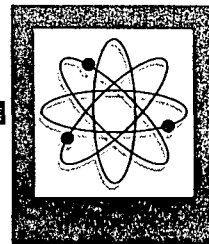
CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

9/3/99 0913

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Sep17 1999

Project Number : Sumter

PO Number : N/A

FDHRSW Number : 83139

NYSDOH Number : 11595

FDER COMQAPNum : 86-0008G

LDHH Number : 94-23

NCDEHNR Number : 296

SCDHEC Number : 96019

For: CN H2S FP NACE

Date Sampled: Sep 2 1999 Date Received: Sep 3 1999 Lab Number : 11839

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	11839 W1
		Detection Limit			
Cyanide	mg/L	.00500	107.	2.90	<.0050
Hydrogen Sulfide	mg/L	0.500			<0.500
Flash Point	oF	75.0	106.	.000	>200.
NACE	mm/yr	.00100			.00475

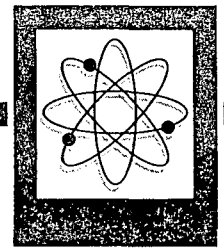
Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.d.
President/Technical Director

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Sep17 1999

Project Number : Sumter

PO Number : N/A

FDHRS Number : 83139

FHRS ENVNumber : E83018

FDER COMQAPNum : 86-0008G

LDHH Number : 94-23

NCDEHNR Number : 296

SCDHEC Number : 96019

For: CN H2S FP NACE

Date Sampled: Sep 2 1999 Date Received: Sep 3 1999 Lab Number : 11839

REPORT OF INFORMATION

Parameter Unit	Limit	Expected Value	Range	Correlation
			11839	
Flash_Point of	300.	172.	200.	
NACE mm/yr	3.09	0.322	.00475	

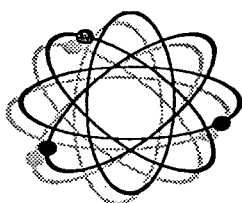
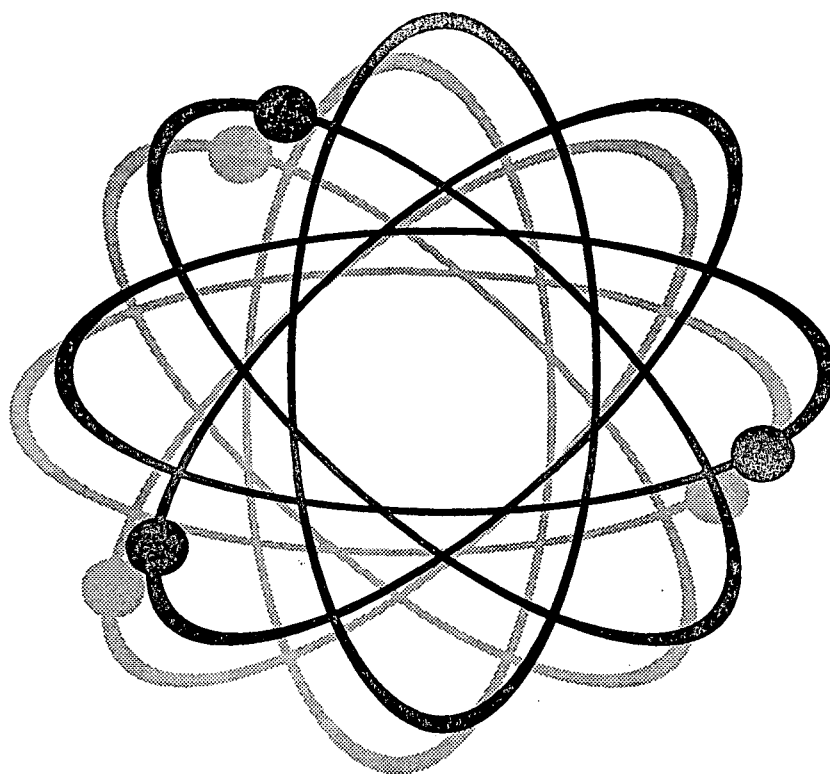
The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

1199			FLOWERS CHEMICAL LABORATORIES														
			ANALYTICAL RESULTS FORM										HRS Number 83139				
Parameter	Symbol	Unit	W#1										QA		Section		
			11839										Method	MDL	%RSD	%Rec	Analys Date
Cyanide	*	mg/L	<0.005U										EPA335.2	0.005	2.9055633	107.74572	DRP 09-09-99
Hydrogen Sulfide	*	mg/L	<0.5U										EPA376.1	0.5			TRB 09-17-99
Flash Point	*	oF	0J										EPA1010	75		106.49350	DRP 09-03-99
NACE Corrosivity	*	mm/yr	0.00475J										-	0.001			RJB 09-10-99
			Date Received:		09-03-99		Typed:		09-17-99		Sent:		09-17-99				
Project Number			Sumter														
PO Number			N/A														
Date Sampled			1 09-02-99 *														
Date Analyzed			0														
Compacted																	
Format			NormRR														
Unit Cost			Exted														
CN			3000 1 *														
H2S			1000 1 *														
FP			4500 1 *														
NACE			3000 1 *														

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter
Lab Numbers: 11839 - 11839

Report date: 17-Sep-99



**FLOWERS
CHEMICAL
LABORATORIES**

QA Conformance Summary

Client:	Cent. Testing Lab
Project Number:	Sumter
P.O. Number:	N/A
Date Sampled:	2-Sep-99
Lab Numbers:	11839 - 11839

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.

The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

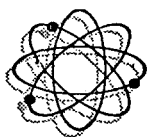
Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

There were 2 standard blanks.



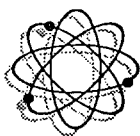
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 11839 - 11839

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Cyanide	mg/L	EPA335.2	09-09-99	0.1	0.000	0.108	108%	0.112	111%	0.056 - 0.138	0.003	0 - 0.026



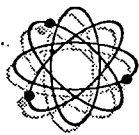
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 11839 - 11839

Analyte	Unit	Method	Date	Concentration
Cyanide	mg/L	EPA335.2	09-09-99	<0.005
Hydrogen Sulfide	mg/L	EPA376.1	09-17-99	<0.5
Flash_Point	oF	EPA1010	09-03-99	<75



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 11839 - 11839

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Cyanide	mg/L	EPA335.2	09-09-99	0.050	0.048	96.2%	0.035 - 0.063
Flash_Point	oF	EPA1010	09-03-99	77.0	82.0	106%	66.7 - 88.7



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

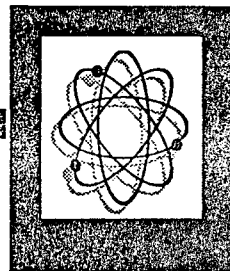
Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter
P.O. Number: N/A
Date Sampled: 2-Sep-99
Lab Numbers: 11839 - 11839

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Received	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
					Standard				Lot							
Cyanide	EMS	34341536	442	DRP	03-12-96	12-31-99	1228	DRP	05-24-99	11-23-99			1.60	2.39	0.928	0.064
OCCS	Baker	3080-01	44	DRP	04-07-95	12-31-99	1328	DRP	07-13-99	12-31-99			1.60	2.39	0.897	0.109
Matrix Spike	EMS	34341536	442	DRP	03-12-96	12-31-99	1228	DRP	05-24-99	11-23-99			1.60	2.39	0.928	0.064
Flash_Point																
OCCS	Fisher	983085	870	DPL	02-04-99	12-31-99	1180	DPL	04-06-99	12-31-99						
Matrix Spike																
EPA1010 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA335.2 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						

FLOWERS

**CHEMICAL
LABORATORIES
INCORPORATED**



Internal Custody Record

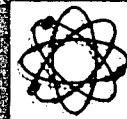
Lab Number: 11839

Lab # 11839

Container 210651 Plastic Bottle 500 ml:

Shpped to custome:Check-in Station Wed, 07/07/99 01:05PM

FLOWERS

CHEMICAL
LABORATORIES
INCORPORATEDJefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client Central Testing Lab
Address 727 S. 14th St.
Leesburg FL 34748
F. 352-787-1268

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: 10-day

P.O. Number _____

Project Name / No. Sumter

Contact _____

Sampled By (PRINT):

Judi Keld

Sampler Signature

Date Sampled

Judi Keld9-2-99

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST									
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Zn (ultra)	As	Reactivity	Corrosivity	Ignitability	Exp. TPH						
1	W#1	2:45	EFF	11839	3	1				1	1	X									2400/pH > 10
2	air After	10:15	Air	31135	1	1								X							
3	air Before	10:00	Air	31136	1	1								X							
4																					
5																					
6																					

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									

9/3/99 0913



Springstead Engineering, Inc.

Consulting Engineers - Architects - Planners - Surveyors

EB - 0001723

AA - 0002820

LB - 0001723

727 South 14th Street
Leesburg, Florida 34748

Lake (352) 787-1414

Sumter (352) 793-3639

Fax (352) 787-7221

TO: Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

Date: August 24, 1999

Job No.: 921100.010

Attention: Department of Environmental Protection

RE: Sumter County Finishing Building Addition
Permit No. 126940-006-SC

GENTLEMEN:

WE ARE SENDING YOU ☐ Enclosed ☐ under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐ Facsimile

☐ Copy of Letter ☐ Change Order _____

Copies	Date	No.	Description
1			Certification of Construction Completion of a Solid Waste Management Facility Permit No. 126940-006-SC (Signed & Sealed by David W. Springstead, P.E. 8/24/99)
1			Set of Asbuilts (Sheets 1-7 of 7) Signed & Sealed by David W. Springstead, P.E. 8/24/99

RECEIVED
AUG 25 1999
Department of Environmental Protection
BY SOUTHWEST DISTRICT

THESE ARE TRANSMITTED as checked below:

- ☐ For Approval ☐ Approved as submitted ☐ Approved for payment
- ☐ For your use ☐ Approved as noted ☐ Resubmit _____ copies for approval
- ☐ As Requested ☐ Returned for corrections
- ☐ For Review and Comment _____
- ☐ Material and/or prints returned after loan to us

REMARKS

COPY TO:
Garry Breedon

SIGNED: _____
David W. Springstead, P.E.

Member of American Consulting Engineers Council



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

DEP Form # 62-701.900(2)
Form Title Certification of Construction Completion
Effective Date May 19, 1994
DEP Application No. _____
(Filed by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: 126940-006-SC County: Sumter
Name of Project: Sumter County Composting Facility - Finishing Building
Name of Owner: Sumter County Board of County Commissioners
Name of Engineer: Springstead Engineering, Inc. - David W. Springstead, P.E.
Type of Project: Construction of a Compost Finishing Building Addition

Cost: Estimate \$ 182,000.00 Actual \$ 182,000
Site Design: Quantity: 100 ton/day Site Acreage: 110 Acres
Deviations from Plans and Application Approved by DEP: None

Address and Telephone No. of Site: 835 CR 529, Sumterville, Florida
1 mile east of I-75 on CR-470; (352) 793-3368

Name(s) of Site Supervisor: Terry Hurst

Date Site inspection is requested: September 1, 1999

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction

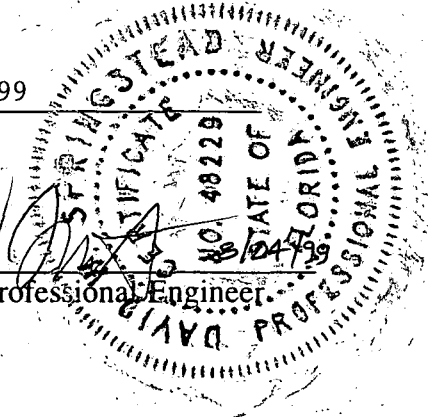
Permit No.: 126940-006-SC Dated: 8/24/99

Date: 8/24/99

Signature of Professional Engineer

Page 1 of 1

RECEIVED
AUG 25 1999
Department of Environmental Protection
BY SOUTHWEST DISTRICT



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

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

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

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

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

REGfiles: 10/1998

Sumter County Recycling

Recycling plays an important part in Sumter County's solid waste program. By separating their recyclable materials and dropping them off at the Recycling Drop-Off Center located adjacent to the new solid waste facility, residents help the environment and their community.

Recycling helps Sumter County:

- ✦ reduce the amount of solid waste that must be handled and processed at the facility
- ✦ lower disposal costs by reducing the amount of waste that must be disposed of
- ✦ provide a steady supply of good quality recyclables, like aluminum, cardboard, or newspaper, for marketing

In addition to collections at the Drop-Off Center, the new Solid Waste Facility also accepts the following materials for recycling or disposal:

- ⊗ Metals
- ⊗ Construction Debris
- ⊗ Batteries
- ⊗ Used Motor Oil
- ⊗ Yard Waste
- ⊗ Tires

Sumter County Public Works

Garry Breeden
Director

Terry Hurst
Facility Manager

835 County Road 529
Sumterville, Florida 33538
(352) 793-3368

Hours of Operation:

Monday through Saturday
8 a.m. to 4 p.m.

Sumter County Board of County Commissioners

Benny Strickland, District 1
Joey A. Chandler, District 2
Billy "Tiny" Rutter, District 3
Karen S. Krauss, District 4
Robin Cox, District 5

S umter County Solid Waste Facility



WELCOME TO
"PARADISE"

Sumter County Solutions

No two communities are exactly alike, so choosing the best way to handle Sumter County's solid waste meant designing a facility that would be practical, convenient, and economical for our residents.

The new Sumter County Solid Waste Facility, which combines several ways of processing solid waste in one integrated system, offers the best possible solution.

To accommodate Sumter facility is designed to eliminate and services.



County's mostly rural population, the new nate the need for expensive collection equip-

By maximizing the recovery of recyclable materials, the new facility reduces the amount of waste that must be transported to an appropriate disposal site.

After as much material as possible is recovered for recycling, the remaining waste is processed to produce a high quality compost that can be marketed for agricultural and horticultural uses.

The residue remaining after composting represents a small portion of the initial waste stream

Sumter County Processing

In addition to the materials collected at the Recycling Drop-Off Center, the County receives about 60 tons of mixed solid waste each day. To lower disposal costs, the new Solid Waste Facility is designed to maximize the recovery of recyclables and reduce the amount of waste for disposal.

Inside the facility, solid waste is sorted, and recyclable and baled for marketing. The facility is designed to solid waste per day but can process additional tons by hours.



materials are removed handle 100 tons of adding operating

The facility is designed for flexibility in other ways, too. Currently, ferrous metals, aluminum, plastic containers, and plastic film are recovered. But because markets for recyclables change, processing can be easily modified to recover additional materials.

Sumter County recycles hundreds of tons of materials every year, and the metals, aluminum, plastic containers, plastic film, glass, newspaper, and tires removed from the County's solid waste and collected at the Drop-Off Center are processed and reused in the manufacture of thousands of products

Sumter County Composting

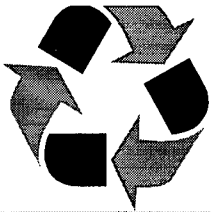
A portion of the waste stream can not be recovered as recyclables. For example, no market exists for materials like food wastes and dirty paper. Other materials like grass clippings are impossible to sort. The new Solid Waste Facility puts these materials to good use by using them to make compost.

Sumter County has been composting solid waste naturally for years, but the new facility includes a "digester" that improves compost production.



Once re- materials have been re- moved, the re- maining waste is fed into the digester, a huge metal cylinder 12 1/2 feet in diameter and 185 feet long. This giant rotating barrel speeds up the natural biological breakdown of organic waste, composting materials in three days rather than the three weeks the process takes under natural conditions.

When the compost leaves the digester it is screened and "cured" naturally for several weeks to produce high quality compost. Farmers and growers can use compost to enrich Florida's sandy soil and to improve water retention and resistance to diseases and pests.



22926
P. O. Box 1066
Bushnell, FL 33513
(352) 793-3368
(352) 568-0166 Fax

Sumter County Solid Waste

June 9, 1999

Department of Environmental Protection
Attention: Susan J. Pelz, P.E.
Solid Waste Division
3804 Coconut Palm Dr.
Tampa, FL 33619-8318

D.E.P.
JUN 10 1999
Southwest District Tampa

Dear Ms. Pelz:

Please accept this as our report for regeneration of the bio-filter.

The regeneration was completed on June 8, 1999 as per FDEP Permit # SC60-298996, Specific Condition 8B.

Should you have any questions, please feel free to contact me.

Sincerely,

Solid Waste Superintendent

Terry Hurst, Solid Waste Superintendent





Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

May 19, 1999

Mr. Garry Breeden, Director
Sumter County Department
of Public Works
319 E. Anderson Avenue
Bushnell, FL 33513

Re: Proper Management and Disposal of Streetsweepings,
Stormwater Sediments and Catch Basin Sediments

Dear Mr. Breeden:

This letter is to inform you that all streetsweepings, ditch and drainage sediments, stormwater and catch basin sediments are a solid waste and must be managed accordingly. This material currently is **only** authorized to be disposed of at a Class I landfill. There are some Class I landfills that are currently authorized to utilize this material as initial cover if free from litter and other solid wastes. The Florida Department of Environmental Protection is receptive to authorizing use of this material as initial cover if the permitted facilities request a permit modification to authorize use of the referenced waste material as cover. Some Class I landfills have waived their tipping fees for disposal of such material if they choose to use it as cover.

The Department may be receptive to other reuses of this waste material that may result from conclusions developed through the Streetsweeping Focus Group. The Streetsweeping Focus Group consists of representation from the private sector, counties and municipalities, FDOT and the FDEP. I have included a summary of the first meeting of the Focus Group Meeting and management options with other states for your reference. Any potential reuse of this material will require management of this material as a solid waste until it is reused. You are requested to inform the Department within 30 days of receipt of this letter as to the specific procedures utilized by your municipality in the management and disposal of such wastes. You should be aware that the municipalities are responsible for the proper management and disposal of this material even if the streetsweeping operation is subcontracted.

All locations utilized for the interim storage of the referenced wastes are required to be permitted as a transfer station per FAC 62-701.801 which will include storage on an impermeable surface, and installation of a leachate collection system to provide treatment for and/or prevent the discharge of all stormwater that comes in contact with the waste.

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

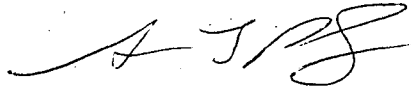
Printed on recycled paper.

Mr. Garry Breeden
Sumter County

May 19, 1999
Page Two

If you have any questions relating to this letter you may contact me at 813-744-6100, Ext. 451.

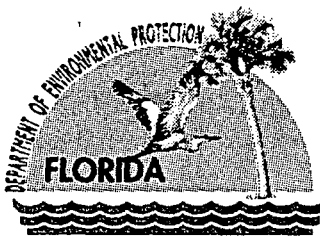
Sincerely,


Robert J. Butera, P.E.

Solid Waste Manager
Southwest District

RJB/
Enclosures

cc: Terry Hurst, Sumter County Solid Waste
Kim Ford, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Street Sweepings Focus Group Orlando City Hall - Conference Room R March 29, 1999

The meeting began at 1:15pm with opening remarks delivered by Mary Jean Yon of the Department's Solid Waste Section. All Focus Group members were present for the meeting. A list of attendees, including non-members observing the meeting, is included as Attachment I.

Mary Jean Yon gave an overview of the February 3 meeting in Orlando. That meeting kicked off a new effort to evaluate the proper management, disposal and possible re-use options for street sweepings and stormwater sediments. The meeting was well attended (60 people) and served as a valuable forum for hearing how different entities were dealing with these special wastes. In addition, the Department shared with that group its database and reasoning behind the policy-decision to require that street sweepings be disposed of in lined landfills. It was agreed at that meeting that the Department would then convene a focus group and begin to explore more possibilities for managing both street sweepings and stormwater sediments. The Department also agreed to keep all interested parties informed of this effort by doing mail-outs and posting meeting summaries on the Internet.

To begin this first meeting of the Focus Group, Lisa Martin presented an overview of how a selection of other states were addressing street sweepings. Lisa highlighted the policies and practices of Washington, Minnesota, Oregon and Massachusetts. In general, all of these states view street sweepings as solid waste and all require some sort of screening prior to allowing a particular reuse. A more detailed listing of state findings is included as Attachment II and includes web site addresses as well.

From here the group began to discuss timelines and desired goals. It was agreed that all parties shared a goal of finding more ways to manage, dispose of or re-use street sweepings and stormwater sediments. Department representatives stressed the importance of doing this in such a way that public health and the environment remain protected and that consistency is preserved among all the waste programs that deal with similar issues. There was some extended discussion as to whether the current requirement for disposal in a lined landfill was overly stringent, but in the end, all parties expressed a desire to ensure protection of the environment. The group declined to frame exact timelines until a discussion of research needs could take place.

The Focus Group then moved into a discussion aimed at determining what additional research is needed in order to give the Department reasonable assurance that it can authorize new uses/practices for street sweeping and sediments that are protective of human health and the environment. Ultimately, the Department hopes to answer certain research questions up front so future approvals will be more streamlined. To begin this process, the group agreed that three basic materials were to be addressed: 1) street sweepings, 2) stormwater sediments (including swales) and 3) catch basin materials.

The group then listed general disposal or reuse options and discussed each in light of what additional data is needed. The following was discussed and agreed upon:

<u>Disposal/Reuse</u>	<u>Data Needed</u>
1. Lined Landfill	No Data Needed
2. Landfill Cover (Initial & Intermediate Cover)	No Data Needed
3. Unlined (Class III) Landfill	Need Leachability Data
4. Reuse-No Public Contact	
a. Concrete	No Data Needed
b. Road Base	Need Leachability Data
5. Reuse-Restricted Public Contact	
a. Medians & Highways	Need Leachability & Human Exposure Data
b. Industrial Areas	Need Leachability & Human Exposure Data
6. Reuse-Public Contact	Need Leachability & Human Exposure Data

To finish the discussion on research needs, Department staff volunteered to meet with Dr. Tim Townsend of the University of Florida, and bring a draft plan to the next meeting. The plan would detail what steps need to be taken in order to develop management guidelines for each of the six options listed above. The group also discussed the concept of splitting appropriate options into long term and short-term options. For example, approval of the use of street sweepings in a road project might be done more quickly in those cases where there is a significant buffer between the ground water table and the road base, since additional leachability studies might not be needed. Department representatives agreed to look into this.

It should also be pointed out that one of the Focus Group members, Alan Obaigbena (DOT) brought a proposed draft policy to the meeting titled, "Management, Reuse and Disposal of Street Sweepings, Stormwater Conveyance and Management Systems (Dredged or Jet Vacuumed) Spoil Materials." The Focus Group did not have this item on the agenda and therefore did not have adequate time to discuss it. The Group agreed to review this document at the next meeting.

The meeting ended with an agreement that Department staff would bring a more detailed assessment of research needs to the next meeting with the hope that a scope of work could be quickly agreed upon and initiated. It was further agreed that the next meeting would be held in Tallahassee and that Focus Group members would be polled for the best date.

The meeting adjourned at 4:45pm.

MJY/pl

Enclosures

Attachment II

Management Options for Disposal/Reuse of Street Sweepings

Massachusetts Department of Environmental Protection

- Street sweepings are classified as a solid waste and unsuitable for unrestricted use.
- Generator of the street sweepings is responsible for determining if the waste is hazardous (no routine sampling required).
- Policy does not apply to catch basin cleanings.
- Street sweepings shall be screened prior to use to remove paper, auto parts, and other solid waste.
- Storage of street sweepings must be temporary and used within one year of collection (other storage requirements apply).
- Analytical tests show main chemicals of concern are total petroleum hydrocarbons and polynuclear hydrocarbons for all areas, except urban center roads.
- Street sweepings from urban areas are excluded from some pre-approved uses.
- Approved uses for street sweepings:
 - Daily cover at a lined or unlined permitted solid waste landfills (no approval req.);
 - Fill in public ways, with restrictions;
 - Additive to compost, with restrictions; and
 - Use in accordance with a Beneficial Use Determination (BUD).

Reference document : Reuse and Disposal of Street Sweepings, Policy # BWP - 94.092

Web site : <http://www.magnet.state.ma.us/dep/bwp/dswm/dswmpubs.htm>

Minnesota Pollution Control Agency

- Individual cities/counties may have additional requirements for testing and approval.
- Prior to use, all trash, leaves, and debris should be removed from street sweepings.
- Street sweepings are not to be disposed of in or near wetlands/water.
- Prior to use, cover street sweepings with a plastic tarp/cover to prevent erosion.
- There are separation distance requirements for using sweepings as fill.
- Street sweepings are **NOT** to be used in:
 - Playgrounds or children's play areas;
 - Residential yards;
 - Areas where human contact occurs on a continuous basis; and
 - Well head protection areas for public drinking water supplies.
- Possible uses for street sweepings:
 - Winter application to roads, parking lots, or sidewalks;
 - Daily cover at sanitary or demolition landfills, that have groundwater monitoring systems; and
 - Road base, road core, and as a base fill.

Reference document : American Sweeper Vol. 6, No. 1

Web site : <http://www.schwarze.com/asforum/v6n1/v6n1managesweepings.html>

Oregon Department of Environmental Quality

- Sweepings and stormwater solids are currently classed as solid waste and must be managed only at permitted facilities unless otherwise approved by DEQ.
- If street sweepings are managed at permitted DEQ solid waste landfills, then no testing is required.
- ODOT is in the process of developing street sweepings BMPs to submit to DEQ for approval (project completion June 2000).
- Street sweepings for reuse may be exempt from solid waste management requirements, since "reuse" means for use in "the same kind of application as before."
- Possible reuse options if approved by DEQ:
 - Sand on icy roads;
 - Use in concrete or asphalt;
 - Road subgrade; and
 - Other applications usual for soil, sand, or gravel which meets DEQ requirements.

Reference document : Roadwaste Issues and Options, FHWA-OR-RD-99-05

Web site : <http://www.odot.state.or.us/tddresearch/reports.htm>

email to request a copy of report : deborah.a.martinez@odot.state.or.us

Washington State Department of Ecology

- Street sweepings are regulated as a solid waste and can not be recycled indiscriminately.
- Drying, sorting, and screening requirements depend on the needs of the end user.
- Before recycling, contaminant levels must be considered (dangerous waste characterization).
- The local health districts actually regulate the management of street sweepings, while DOE only makes recommendation to the districts.
- Catch basin materials, ditch spoils, and other stormwater facility wastes are suspected to have elevated contaminant levels.
- All street sweepings may not be reused or disposed of without knowledge and permission of final receiver.
- Appropriate reuse option for street sweepings:
 - Road/parking lot subgrade;
 - Fill for a site covered with paving or a building;
 - Portland cement manufacturing;
 - Pre-fab concrete manufacturing; and
 - Daily cover/fill in permitted landfills.

Reference document : DOE BMPs for Management and Disposal of Street Wastes

Web site : <http://www.schwarze.com/asforum/topics/washeco795/solids.html>

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

May 7, 1999

Leesburg

Ms. Susan Pelz, P.E.
Department of Environmental Protection
3804 Coconut Plam Drive
Tampa, FL 33619

RECEIVED
MAY 17 1999

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

RE: Scrubber & Biofilter Test Results
Sumter County Solid Waste Management Facility
Second Quarter 1999

Dear Ms. Pelz:

Central Testing Laboratory (CTL) has completed the second quarter air and scrubber water analysis as required by Specific Conditions No. 10D of the composting permit. The air was sampled prior to entering the scrubber, B, and at the outlet of the biofilter, A. The air samples were tested for BTEX and TRPH. The scrubber water was tested for characteristics of hazardous waste.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory

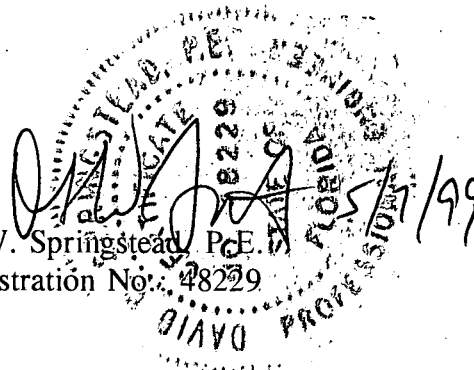


Judi M. Kelch
Environmental Technician

Attachments

cc: Garry Breeden
Terry Hurst
Mitch Kessler

David W. Springstead, P.E.
Fl. Registration No. 48229



P.O. Box 883
Floral City, FL 34436
(352) 726-6447

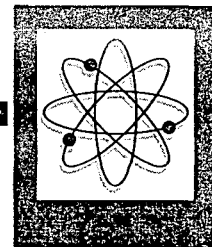
727 S. 14TH Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:
Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Apr 16 1999
Project Number : Sumter Co.
PO Number : N/A
FDHRS DW Number : 83139
NYSDOH Number : 11595
FDER COMQAP Num : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

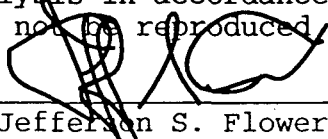
Date Sampled: Apr 14 1999 Date Received: Apr 15 1999 Lab Number : 30846

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	30846
					AIRB
		Detection			
		Limit			
Tot_Pet_Hydrocarbons	mg/m3	1.00			265.
Benzene	mg/m3	0.200			<0.200
Toluene	mg/m3	0.500			2.70
Ethylbenzene	mg/m3	0.500			<0.500
Xylene	mg/m3	0.500			<0.500
Total_BTEX	mg/m3	0.500			2.70
Methane	mg/m3	0.500			142.
Methyl-tert-butyleth	mg/m3	0.500			<0.500
Carbon_Dioxide	mg/m3	0.500			-

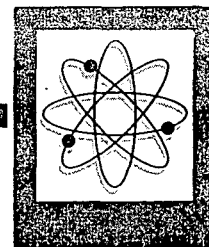
Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec. 4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.


Jefferson S. Flowers, Ph.d.
President/Technical Director

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Apr16 1999
Project Number : Sumter Co.
PO Number : N/A
FDHRS Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Apr14 1999 Date Received: Apr15 1999 Lab Number : 30846

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range	Correlation
30846					
Tot_Pet_Hydrocarbons	mg/m3	134000	12400	265.	
Toluene	mg/m3	2230	202.	2.70	
Total_BTEX	mg/m3	3560	412.	2.70	
Methane	mg/m3	11200	1220	142.	

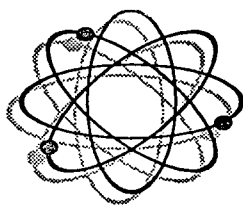
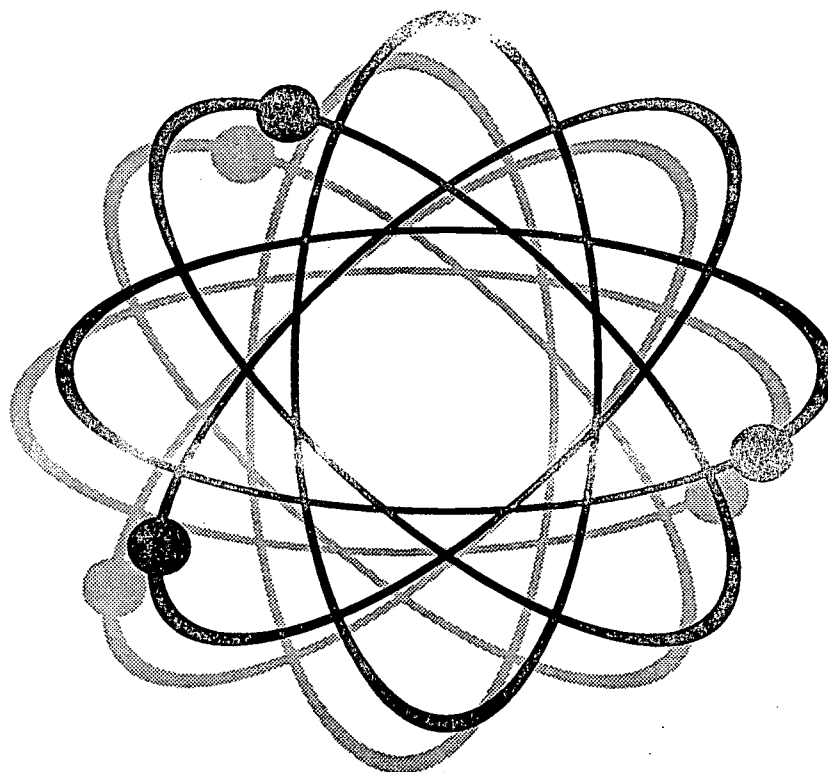
The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

1199			FLOWERS CHEMICAL LABORATORIES														
			ANALYTICAL RESULTS FORM										HRS Number 83139				
Parameter	Symbol	Unit	air														
			30846														
Tot Pet Hydrocarbons	*	mg/m3	265J														
Benzene	*	mg/m3	<0.2U														
Toluene	*	mg/m3	2.7J														
Ethylbenzene	*	mg/m3	<0.5U														
Xylene	*	mg/m3	<0.5U														
Total BTEX	*	mg/m3	2.7J														
Methane	*	mg/m3	142J														
MTBE	*	mg/m3	<0.5U														
CO2	*	mg/m3															
			Date Received:	04-15-99	Type:	04-16-99	Sent:	04-16-99									
Project Number	Sumter Co.																
PO Number	N/A																
Date Sampled	1	04-14-99 *															
Date Analyzed	0																
Compacted																	
Format	NormRR																
Unit Cost	Extd																
1 Day EPA18	12500	1 *															

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter Co.
Lab Numbers: 30846 - 30846

Report date: 16-Apr-99



**FLOWERS
CHEMICAL
LABORATORIES**



QA Conformance Summary

Client:	Cent. Testing Lab
Project Number:	Sumter Co.
P.O. Number:	N/A
Date Sampled:	14-Apr-99
Lab Numbers:	30846 - 30846

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter

The requested analytes did not require surrogates.

Accuracy / Precision:

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

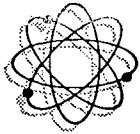
The control limits were met for all compounds as shown in section 4.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.



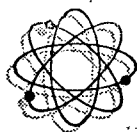
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter Co.
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 30846 - 30846

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	04-15-99	<1
Benzene	mg/m3	EPA18	04-15-99	<0.2
Toluene	mg/m3	EPA18	04-15-99	<0.5
Ethylbenzene	mg/m3	EPA18	04-15-99	<0.5
Xylene	mg/m3	EPA18	04-15-99	<0.5
Total StEx	mg/m3	EPA18	04-15-99	<0.5
Methane	mg/m3	EPA18	04-15-99	<0.5
MTBE	mg/m3	EPA18	04-15-99	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter Co.
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 30846 - 30846

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	04-15-99	400	409	102%	303 - 488
Benzene	mg/m3	EPA18	04-15-99	400	401	100%	292 - 492
Toluene	mg/m3	EPA18	04-15-99	400	401	100%	303 - 491
Ethylbenzene	mg/m3	EPA18	04-15-99	400	400	100%	307 - 493
Xylene	mg/m3	EPA18	04-15-99	1200	1196	99.7%	919 - 1481
Total BTEX	mg/m3	EPA18	04-15-99	2400	2398	99.9%	1824 - 2937
MIBK	mg/m3	EPA18	04-15-99	400	402	100%	293 - 485



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

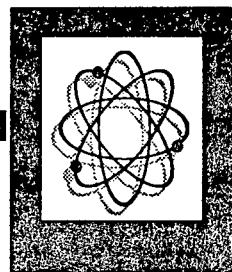
Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter Co.
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 30846 - 30846

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
						Standard				Lot						
Tot_Pet_Hydrocarbons QCCS Matrix Spike	Aldrich	05162LG	111	DO	01-05-95	01-05-99	938	DO	09-30-98	09-30-99			1.02	0.031	1.07	
Benzene QCCS Matrix Spike	Aldrich Aldrich	05541TF 05541TF	105 105	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
Toluene QCCS Matrix Spike	Aldrich Aldrich	05541TF 05541TF	105 105	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
Ethylbenzene QCCS Matrix Spike	Aldrich Aldrich	05541TF 05541TF	105 105	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
O-Xylene QCCS Matrix Spike	Aldrich Aldrich	05541TF 05541TF	105 105	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
M&P-Xylene QCCS Matrix Spike	Aldrich Aldrich	05541TF 05541TF	105 105	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
MTBE QCCS Matrix Spike	Aldrich	08065KG	115	DO	01-05-95	12-04-99	938	DO	09-30-98	09-30-99	6.54	>1.68	1.02	0.059	0.999	0.023

FLOWERS

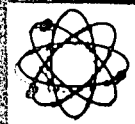
**CHEMICAL
LABORATORIES
INCORPORATED**



Internal Custody Record

Lab Number: 30846

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CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.
481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client CENTRAL TESTING LAB
Address 727 14th ST Leesburg
FL 34748
Phone 787 1268

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: 10 JWS

P.O. Number _____

Project Name / No. SUMTER COUNTY

Contact _____

Collected By (PRINT):

Dan Sciarini 4/14/99

Sampler Signature

Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB ID.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST									
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Zn(CH ₃) ₂	H ₂ O ₂										
1	eff air	1:00	eff	11717	4	2				1	1	<div>Reactivity</div> <div>Ignitability</div> <div>Corrosivity</div> <div>BTEX</div> <div>TPH</div>									
2	air	1:00	air	30846	2	2															
3																					
4																					
5																					
6																					

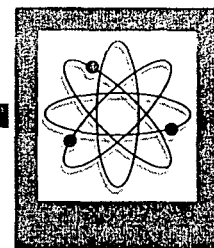
CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

[Signature] 4/15/99 0957

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Apr28 1999
Project Number : Sumter County
PO Number : N/A
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Apr14 1999 Date Received: Apr27 1999 Lab Number : 30871

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	30871 AIRA
		Detection			
		Limit			
Tot_Pet_Hydrocarbons	mg/m3	1.00			226.
Benzene	mg/m3	0.200			<0.200
Toluene	mg/m3	0.500			1.98
Ethylbenzene	mg/m3	0.500			<0.500
Xylene	mg/m3	0.500			<0.500
Total_BTEX	mg/m3	0.500			1.98
Methane	mg/m3	0.500			-
Methyl-tert-butyleth	mg/m3	0.500			<0.500
Carbon_Dioxide	mg/m3	0.500			-

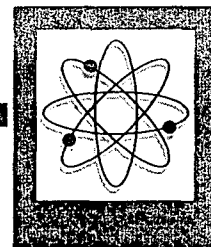
Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.d.
President/Technical Director

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Apr28 1999
Project Number : Sumter County
PO Number : N/A
FDHRS Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

Date Sampled: Apr14 1999 Date Received: Apr27 1999 Lab Number : 30871

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range	Correlation
30871					
Tot_Pet_Hydrocarbons	mg/m3	134000	12400	226.	
Toluene	mg/m3	2230	202.	1.98	
Total_BTEX	mg/m3	3560	412.	1.98	

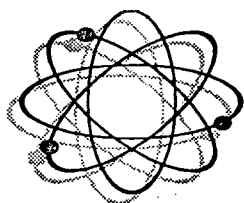
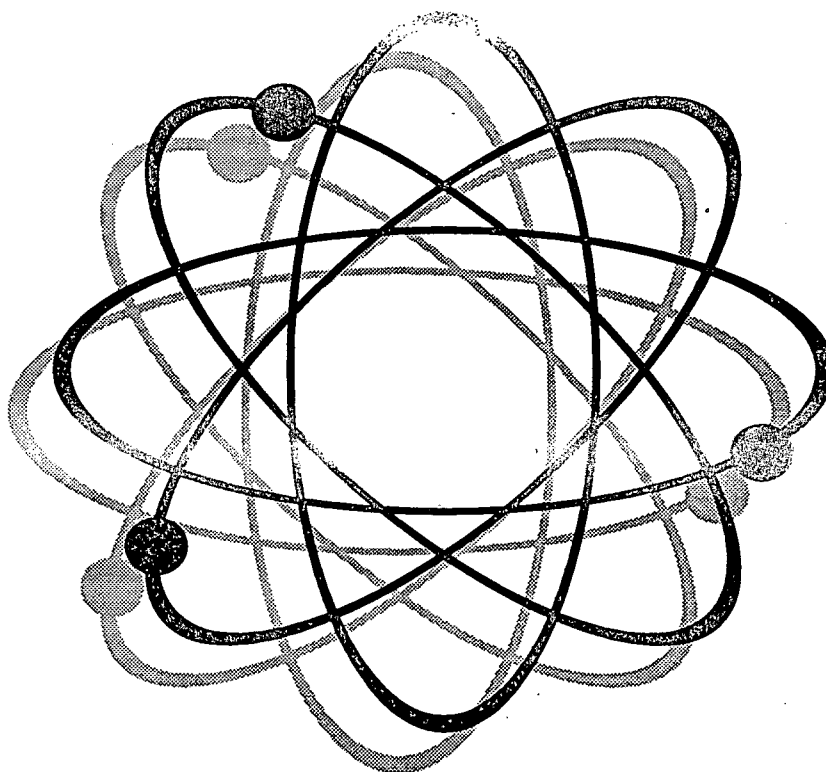
The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

1199			FLOWERS CHEMICAL LABORATORIES															
			ANALYTICAL RESULTS FORM										HRS Number 83139					
Parameter	Symbol	Unit	Air-A 30871										QA		Section			
													Method	MDL	%RSD	%Rec	Analys	Date
Tot. Pet. Hydrocarbons	*	mg/m3	226J										EPA18	1			DO	04-27-99
Benzene	*	mg/m3	<0.2U										EPA18	0.2			DO	04-27-99
Toluene	*	mg/m3	1.98J										EPA18	0.5			DO	04-27-99
Ethylbenzene	*	mg/m3	<0.5U										EPA18	0.5			DO	04-27-99
Xylene	*	mg/m3	<0.5U										EPA18	0.5			DO	04-27-99
Total BTEX	*	mg/m3	1.98J										EPA18	0.5			DO	04-27-99
Methane	*	mg/m3	-										EPA18	0.5			DO	04-27-99
MTBE	*	mg/m3	<0.5U										EPA18	0.5			DO	04-27-99
CO2	*	mg/m3											EPA18	0.5				
			Date Received:		04-27-99		Time:		04-28-99		Sent:		04-28-99					
Project Number	Sumter County																	
PO Number	N/A																	
Date Sampled	1 04-14-99 *																	
Date Analyzed	0																	
Compacted																		
Format	NormRR																	
Unit Cost	Exted																	
1 Day EPA18	12500 1 *																	

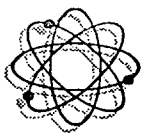
Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter County
Lab Numbers: 30871 - 30871

Report date: 28-Apr-99



**FLOWERS
CHEMICAL
LABORATORIES**



FLOWERS CHEMICAL LABORATORIES, INC.

QA Conformance Summary

Client:	Cent. Testing Lab
Project Number:	Sumter County
P.O. Number:	N/A
Date Sampled:	14-Apr-99
Lab Numbers:	30871 - 30871

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter

The requested analytes did not require surrogates.

Accuracy / Precision:

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

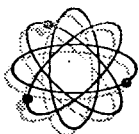
Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were exceeded for 5 surrogate spike standards as shown in section 5. This represents a -400.0% success rate.



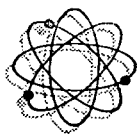
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 30871 - 30871

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	04-27-99	<1
Benzene	mg/m3	EPA18	04-27-99	<0.2
Toluene	mg/m3	EPA18	04-27-99	<0.5
Ethylbenzene	mg/m3	EPA18	04-27-99	<0.5
Xylene	mg/m3	EPA18	04-27-99	<0.5
Total_BTEX	mg/m3	EPA18	04-27-99	<0.5
Methane	mg/m3	EPA18	04-27-99	<0.5
MTBE	mg/m3	EPA18	04-27-99	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 30871 - 30871

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	04-27-99	400	403	101%	304 - 487
Benzene	mg/m3	EPA18	04-27-99	400	390	97.5%	290 - 492
Toluene	mg/m3	EPA18	04-27-99	400	401	100%	304 - 491
Ethylbenzene	mg/m3	EPA18	04-27-99	400	410	103%	308 - 492
Xylene	mg/m3	EPA18	04-27-99	1200	1214	101%	921 - 1479
Total BTEX	mg/m3	EPA18	04-27-99	2400	2413	101%	1827 - 2939
MTBE	mg/m3	EPA18	04-27-99	400	390	97.5%	290 - 492



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

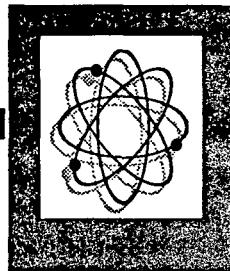
Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 30871 - 30871

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
Standard			Lot			Lot										
Tot_Pet_Hydrocarbons OCCS Matrix Spike	Aldrich	05162LG	13	DO	01-05-95	01-05-99	938	DO	09-30-98	09-30-99			1.02	0.031	1.07	
Benzene OCCS Matrix Spike	Aldrich Aldrich	05249HG 06446BG	13 13	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
Toluene OCCS Matrix Spike	Aldrich Aldrich	05249HG 06446BG	13 13	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
Ethylbenzene OCCS Matrix Spike	Aldrich Aldrich	05249HG 06446BG	13 13	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
O-Xylene OCCS Matrix Spike	Aldrich Aldrich	05249HG 05249HG	13 13	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
M&P-Xylene OCCS Matrix Spike	Aldrich Aldrich	05249HG 05249HG	13 13	DO DO	01-05-95 01-05-95	01-05-99 01-05-99	937 938	DO DO	09-30-98 09-30-98	09-30-99 09-30-99	6.54	>1.68	0.991 1.02	0.043 0.059	0.950 0.999	0.163 0.023
MTBE OCCS Matrix Spike	Aldrich	08065KG	13	DO	01-05-95	01-05-99	938	DO	09-30-98	09-30-99	6.54	>1.68	1.02	0.059	0.999	0.023

FLOWERS

**CHEMICAL
LABORATORIES
INCORPORATED**



Internal Custody Record

Lab Number: 30871

This form was intentionally left blank.

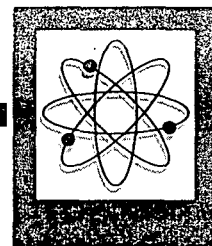


481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Apr22 1999
Project Number : Sumter County
PO Number : N/A
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: CN H2S FP NACE

Date Sampled: Apr14 1999 Date Received: Apr15 1999 Lab Number : 11717

REPORT OF ANALYSIS

Parameter	Unit	Method	%ACC	%PRC	11717 EFF
		Detection			
		Efficient			
Cyanide	mg/L	.00500	89.2	.000	<.0050
Hydrogen Sulfide	mg/L	0.500			<0.500
Flash_Point	oF	75.0	101.	.000	>200.
NACE	mm/yr	.00100			.00237

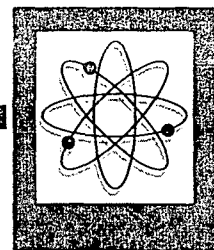
Data Release Authorization

Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
This Report may not be reproduced in part, results relate only to items tested.

Jefferson S. Flowers, Ph.d.
President/Technical Director

FLOWERS

**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:

Cent. Testing Lab
PO Box 883
Floral City, FL 34436

Date Reported : Apr22 1999
Project Number : Sumter County
PO Number : N/A
FDHRS Number : 83139
FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: CN H2S FP NACE

Date Sampled: Apr14 1999 Date Received: Apr15 1999 Lab Number : 11717
REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range	Correlation
Flash_Point of		300.	172.	200.	
NACE mm/yr		3.09	0.322	.00237	

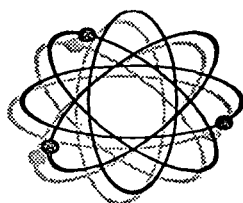
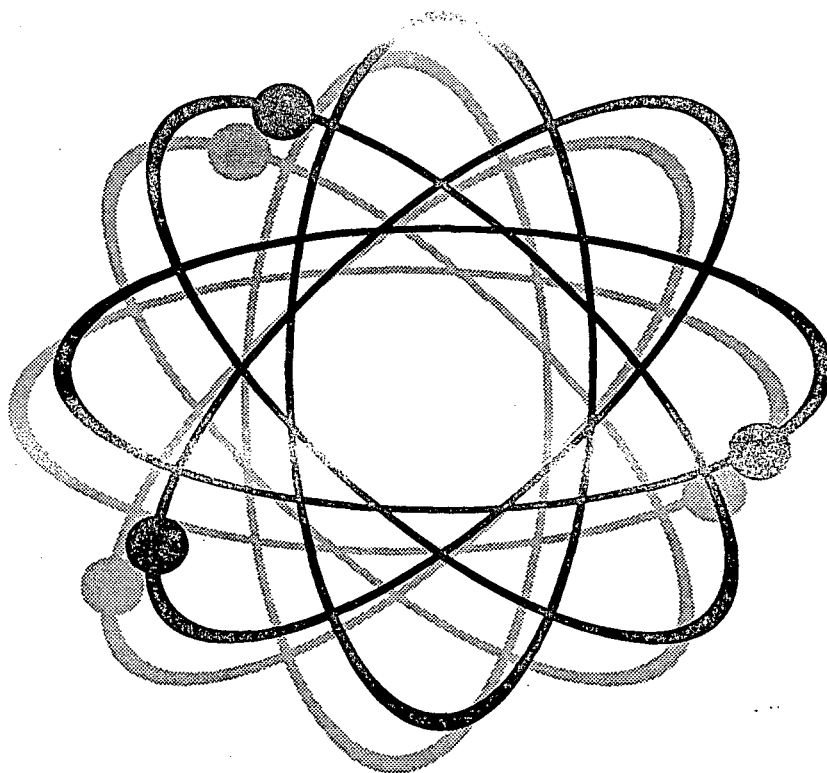
The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

1199			FLOWERS CHEMICAL LABORATORIES														
			ANALYTICAL RESULTS FORM								HRS Number 83139						
Parameter	Symbol	Unit	eff										QA	Section			
			11717										Method	MDL	%RSD	%Rec	Analys Date
Cyanide	*	mg/L	<0.005U										EPA335.2	0.005	0	89.297539	DRP 04-20-99
Hydrogen Sulfide	*	mg/L	<0.5U										EPA376.1	0.5			DPL 04-19-99
Flash Point	*	oF	0J										EPA1010	75		101.29870	DRP 04-20-99
NACE Corrosivity	*	mm/yr	0.00237J										-	0.001			DPL 04-19-99
			Date Received:		04-15-99		Typed:		04-21-99		Sent:		04-21-99				
Project Number	Sumter County																
PO Number	N/A																
Date Sampled	1 04-14-99 *																
Date Analyzed	0																
Compacted																	
Format	NormRR																
Unit Cost	Exted																
CN	3000	1 *															
H2S	1000	1 *															
FP	4500	1 *															
NACE	3000	1 *															

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter County
Lab Numbers: 11717 - 11717

Report date: 22-Apr-99



**FLOWERS
CHEMICAL
LABORATORIES**

QA Conformance Summary

Client:	Cent. Testing Lab
Project Number:	Sumter County
P.O. Number:	N/A
Date Sampled:	14-Apr-99
Lab Numbers:	11717 - 11717

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter

Surrogate Compound Recovery:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.

The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

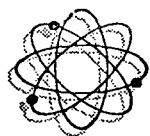
The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

There were 3 standard blanks.

The t-test limits were met for all surrogate spike standards as shown in section 5.



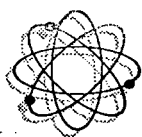
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 11717 - 11717

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Cyanide	mg/L	EPA335.2	04-20-99	0.1	0.002	0.091	89.3%	0.091	89.3%	0.058 - 0.140	0.000	0 - 0.026



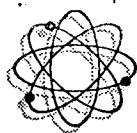
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 11717 - 11717

Analyte	Unit	Method	Date	Concentration
Cyanide	mg/L	EPA335.2	04-20-99	<0.005
Hydrogen Sulfide	mg/L	EPA376.1	04-19-99	<0.5
Flash_Point	oF	EPA1010	04-20-99	<75



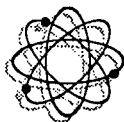
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 11717 - 11717

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Cyanide	mg/L	EPA335.2	04-20-99	0.050	0.049	98.1%	0.036 - 0.063
Flash_Point	oF	EPA1010	04-20-99	77.0	78.0	101%	66.5 - 88.2



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

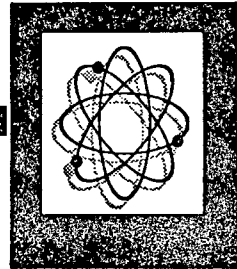
Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: N/A
Date Sampled: 14-Apr-99
Lab Numbers: 11717 - 11717

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
					Standard				Lot							
Cyanide QCCS Matrix Spike	Baker	3080-01	44	DRP	04-07-95	12-31-99	1092	DRP	02-08-99	12-31-99			1.60	2.39	0.981	0.003
EPA335.2 Blank	Flowers Chemical Laboratories	Valid	34	KKT	01-01-95	12-31-99	14	KKT	01-01-95	01-01-97						
EPA376.1 Blank	Flowers Chemical Laboratories	Valid	34	KKT	01-01-95	12-31-99	14	KKT	01-01-95	01-01-97						
NACE Corrosivity Blank	Flowers Chemical Laboratories	Valid	34	KKT	01-01-95	12-31-99	14	KKT	01-01-95	01-01-97						

FLOWERS

**CHEMICAL
LABORATORIES
INCORPORATED**



Internal Custody Record

Lab Number: 11717

Lab # 11717

Container 238372 Glass 1 L:

Shpped to custome:Check-in Station Thu, 04/08/99 01:55PM

Aux Mbl Cart 5 Sh:Steven Welsh Thu, 04/15/99 12:26PM

Container 238374 Plastic Bottle 500 ml:

Shpped to custome:Check-in Station Thu, 04/08/99 01:55PM

Aux Mbl Cart 5 Sh:Steven Welsh Thu, 04/15/99 12:23PM

Container 238375 Amber 1 L:

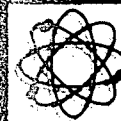
Shpped to custome:Check-in Station Thu, 04/08/99 01:55PM

Aux Mbl Cart 5 Sh:Steven Welsh Thu, 04/15/99 12:26PM

Container 238377 Plastic Bottle 500 ml:

Shpped to custome:Check-in Station Thu, 04/08/99 01:55PM

Aux Mbl Cart 5 Sh:Steven Welsh Thu, 04/15/99 12:26PM



CHEMICAL
LABORATORIES
INCORPORATED

Jefferson L. Flowers, Ph.D.
Jefferson S. Flowers, Ph.D.

481 NEWBURYPORT
P.O. BOX 150-597
ALTAMONTE SPRINGS
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110

CHAIN OF CUSTODY RECORD

Client CENTRAL TESTING LAB
Address 727 14th ST Leesburg
FL 34748
Phone 787 1268

FCL Client No. _____

FCL Project Manager _____

FCL Lab Coordinator _____

Requested Due Date: 10 DAYS

P.O. Number _____

Project Name / No. SUMTER COUNTY

Contact _____

Sampled By (PRINT): Dan Sciarini 4/14/99

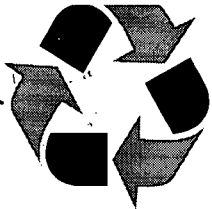
Sampler Signature _____ Date Sampled _____

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	LAB NO.	NO. OF CONTAINERS	PRESERVATIVES						ANALYSES REQUEST	
						UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	Zn(C ₂ H ₃ O ₂) ₂	NaOH		
1	eff	1:00	eff	11717	4	2					1	1	<div>Reactivity Ignitability Corrosivity BTEX TPH</div> <u><4°C/pH >10</u>
2	air	1:00	air	30846	2	2							
3													
4													
5													
6													

CARRIER	BAILERS	SHIP DATES		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
		OUT / DATE	RETURNED / DATE						
SPECIAL INSTRUCTIONS									

4/15/99 0957

SHIP WITH SAMPLES/TO BE RETURNED WITH RESULTS



.....

P. O. Box 1066
Bushnell, FL 33513
(352) 793-3368
(352) 568-0166 Fax

95061
~~7-1-99~~
~~1-1-99~~

Sumter County Solid Waste

May 13, 1999

Department of Environmental Protection
Attention: Susan J. Pelz, P.E.
Solid Waste Division
3804 Coconut Palm Dr.
Tampa, FL 33619-8318

RECEIVED
MAY 14 1999

Department of Environmental Protection
BY _____
SOUTHWEST DISTRICT

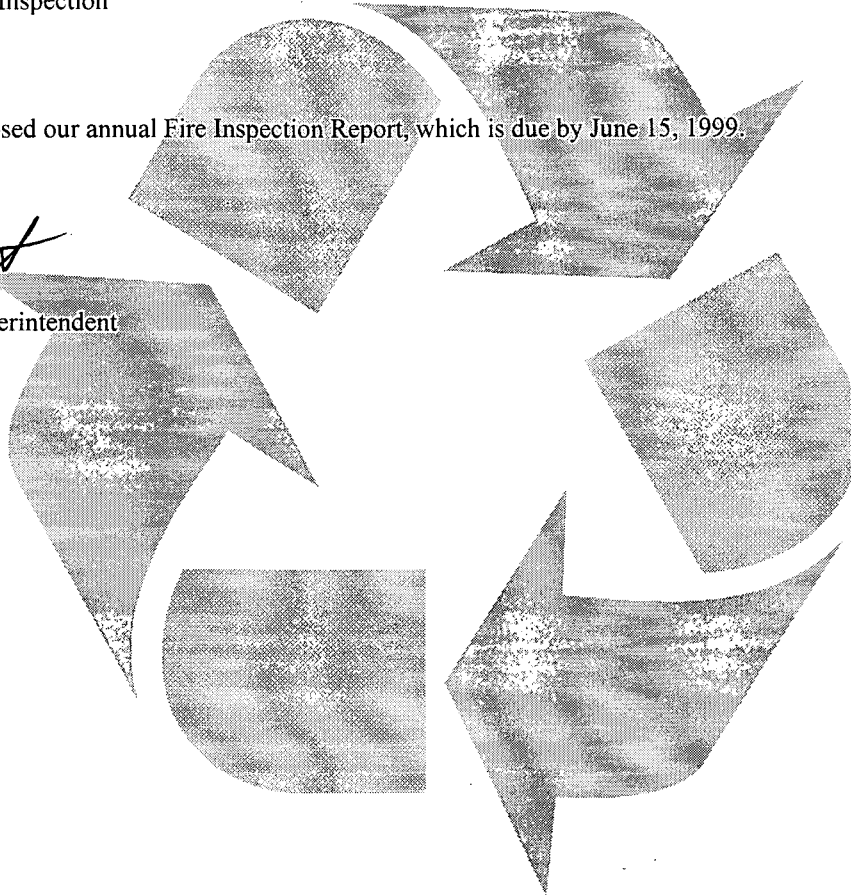
Re: Annual Fire Inspection

Dear Ms. Pelz:

Please find enclosed our annual Fire Inspection Report, which is due by June 15, 1999.

Sincerely,

Solid Waste Superintendent



Terry Hurst, Solid Waste Superintendent

.....

RECEIVED

MAY 14 1999

Department of Environmental Protection
SOUTHWEST DISTRICT

Fire Safety Prevention Inspection Form.

Permit Annual
Inspector: James L. Branam
4689 CR 114
Wildwood Fl 34785
352-748-0472/0472
County 352-793-0270

State Certification # 49664

Name of Business Summer Co. Landfill Phone # _____ Emergency _____
Phone _____ Owner Board of Summer Co. Comms. Address 209 N. E
St Bushnell Fl 33513
Fire District LPFD Have They Done Pre-Fire Plans? Yes _____ No ☒ Sprinklered _____
Standpipes _____ Fire Dept Connection N/A Spare Sprinklers _____
P.I.V./OS&Y _____ Fire Alarm Yes _____ No ☒ Annuc/Panel _____
Fire Extinguishers 1 ABC ☒ CO2 _____ Other _____ Exposures North South East
West _____ Ft _____

Electrical
Above/Below Ground: Location NEAST EXT. Meter SIX Removable: Yes ☒ No ☒
Main Shut-Off Breaker Electrical Room NO Main Amperes 200
Emer. Gen: _____ Emergency Lighting YES Exits Signs YES
Heating /AC CHA Duct Detectors _____ Fire Dampers _____
Smoke Detectors _____ Hardwired Batt-Back-up _____ Yes ☒ No ☒

Cooking Equipment: Com/Hood _____ Supp System _____ Fryers _____ Griddle _____ Gas/Electric
Tested None

Sprinkler System Tested _____ Riser Tested _____
Inspectors Test/Tested Yes _____ No _____ Hydrant _____ Flow Tested _____
Building Construction: Ext/Walls Block Inter/Walls Frame / Dry Wall
Floor concrete carpets
Ceilings Gypsum
Roof Asphalt plywood deck
Fire Rated Separation Between Designated Areas no
Elevator Shafts _____ Sprinklered _____ Stairs _____
Smoke Proof _____ Sprinklered _____ Emer/Vents _____ Fans _____
L.P.G. _____ Company _____ No Tanks _____
Capacity _____ Gals. Above Ground _____ Below _____ Location _____

This report notes the conditions or operations that favor or cause fire, or that may aid in the spread of fire or otherwise make the building unsafe, if so noted.

Fire Ext 2A10BC x1 By Firemaster of Orlando Fl 907-844-1671
checked 12-1998

Noted one Exit sign not working - probably a bulb out. Maintenance will correct.

I have read the above Deficiencies, Violations, and understand all the above. I will correct the situations ASAP.
Signed: James L. Branam Inspector JBranam

Passed

Not Passed

Scale House 25.00 Fee.

Fire Safety Prevention Inspection Form.

Permit Annual
 Inspector: James L. Branam
 4689 CR 114
 Wildwood, FL 34785
 352-748-0472/0472
 County 352-793-0270

Date 5-8-99

State Certification # 49664

Name of Business Sumter Co Landfill Phone # _____ Emergency _____
 Phone _____ Owner Board of Sumter Co. Comms Address 209 N. Fl.
Bushnell Fl 33513
 Fire District LPFD Have They Done Pre-Fire Plans? Yes _____ No ☒ Sprinklered _____
 Standpipes _____ Fire Dept Connection _____ Spare Sprinklers _____
 P.I.V./OS&Y _____ Fire Alarm Yes _____ No ☒ Annuc/Panel _____
 Fire Extinguishers 4 ABC ☒ CO2 _____ Other _____ Exposures North South East
 West _____ Ft _____

Electrical

Above/Below Ground: Location East Exterior Meter 51K Removable: Yes ☒ No ☐
 Main Shut-Off Power Drop Electrical Room _____ Main Amperes 200
 Emer. Gen: _____ Emergency Lighting No Exits Signs YES - SELF LUM.
 Heating /AC none Duct Detectors _____ Fire Dampers _____
 Smoke Detectors none Hardwired Batt-Back-up Yes ☒ No ☐

Cooking Equipment: Com/Hood _____ Supp System _____ Fryers _____ Griddle _____ Gas/Electric
 Tested _____

Sprinkler System Tested _____ Riser Tested _____
 Inspectors Test/Tested Yes _____ No _____ Hydrant _____ Flow Tested _____
 Building Construction: Ext/Walls metal Inter/Walls metal
 Floor concrete
 Ceilings metal
 Roof metal

Fire Rated Separation Between Designated Areas
 Elevator Shafts _____ Sprinklered _____ Stairs _____
 Smoke Proof _____ Sprinklered _____ Emer/Vents _____ Fans _____
 L.P.G. _____ Company _____ No. Tanks _____
 Capacity _____ Gals. Above Ground _____ Below _____ Location _____

This report notes the conditions or operations that favor or cause fire, or that may aid in the spread of fire or otherwise make the building unsafe, if so noted.

Notes: Acetylene bottles stored and chained properly. O2 - needs a chain for storage. Notes one fire extinguisher discharged. maintenance well correct.

I have read the above Deficiencies, Violations, and understand all the above. I will correct the situations ASAP. Signed: Terry Inspector J. Branam

Passed

Not Passed

OIR MRF 25.00 fee

Fire Safety Prevention Inspection Form.

Permit Annual
 Inspector: James L. Branam
 4689 CR 114
 Wildwood, FL 34785
 352-748-0472/0472
 County 352-793-0270

Date 5-9-99

State Certification # 49664

Name of Business Sumter Co. Landfill Phone # _____ Emergency _____
 Phone _____ Owner Board of Sumter Co. Comms. Address 209 N. Fl
St Bushnell Fl 33513
 Fire District _____ Have They Done Pre-Fire Plans? Yes _____ No ☒ Sprinklered _____
 Standpipes _____ Fire Dept Connection _____ Spare Sprinklers _____
 P.I.V./OS&Y _____ Fire Alarm Yes _____ No ☒ Annuc/Panel _____
 Fire Extinguishers _____ ABC _____ CO2 _____ Other _____ Exposures North South East
 West _____ Ft _____

Electrical
 Above/Below Ground: Location West Exterior Meter 5/8" Removable: Yes (No)
 Main Shut-Off Breaker Electrical Room yes Main Amperes 4000
 Emer. Gen: _____ Emergency Lighting yes Exits Signs lights
 Heating /AC none Duct Detectors _____ Fire Dampers _____
 Smoke Detectors none Hardwired Batt-Back-up Yes ☒ No ☒
* noted emergency shut-off outside + one at each machine

Cooking Equipment: Com/Hood _____ Supp System _____ Fryers _____ Griddle _____ Gas/Electric
 Tested _____

Sprinkler System Tested _____ Riser Tested _____
 Inspectors Test/Tested Yes _____ No _____ Hydrant _____ Flow Tested _____
 Building Construction: Ext/Walls metal Inter/Walls metal
 Floor concrete
 Ceilings metal
 Roof metal

Fire Rated Separation Between Designated Areas
 Elevator Shafts _____ Sprinklered _____ Stairs _____
 Smoke Proof _____ Sprinklered _____ Emer/Vents _____ Fans _____
 L.P.G. _____ Company _____ No Tanks _____
 Capacity _____ Gals. Above Ground _____ Below _____ Location _____

This report notes the conditions or operations that favor or cause fire, or that may aid in the spread of fire or otherwise make the building unsafe, if so noted.

Power cord piled up on walkway. Fire extinguisher handles covered with spider webs - employees could get bitten.

I have read the above Deficiencies, Violations, and understand all the above. I will correct the situations ASAP.
 Signed: James L. Branam Inspector J. Branam

Passed

Not Passed

new MRE 25.00 fee

Fire Safety Prevention Inspection Form.

Permit Annual
 Inspector: James L. Branam
 4689 CR 114
 Wildwood, FL 34785
 352-748-0472/0472
 County 352-793-0270

Date 5-5-99

State Certification # 49664

Name of Business Summer Co Landfill Phone # _____ Emergency _____
 Phone _____ Owner Board of Co. of Summer Comm. Address 209 N. E
St Dunsmuir #1 33513
 Fire District LPFD Have They Done Pre-Fire Plans? Yes _____ No ☒ Sprinklered _____
 Standpipes _____ Fire Dept Connection _____ Spare Sprinklers _____
 P.I.V./OS&Y _____ Fire Alarm Yes _____ No _____ Annuc/Panel _____
 Fire Extinguishers _____ ABC _____ CO2 _____ Other _____ Exposures North South East
 West _____ Ft _____

Electrical
 Above/Below Ground: Location _____ Meter _____ Removable: Yes No
 Main Shut-Off _____ Electrical Room _____ Main Amperes _____
 Emer. Gen: _____ Emergency Lighting _____ Exits Signs _____
 Heating /AC _____ Duct Detectors _____ Fire Dampers _____
 Smoke Detectors _____ Hardwired Batt-Back-up Yes _____ No _____

Cooking Equipment: Com/Hood _____ Supp System _____ Fryers _____ Griddle _____ Gas/Electric
 Tested _____

Sprinkler System Tested _____ Riser Tested _____
 Inspectors Test/Tested Yes No Hydrant _____ Flow Tested _____

Building Construction: Ext/Walls _____ Inter/Walls _____
 Floor _____
 Ceilings _____
 Roof _____

Fire Rated Separation Between Designated Areas _____
 Elevator Shafts _____ Sprinklered _____ Stairs _____
 Smoke Proof _____ Sprinklered _____ Emer/Vents _____ Fans _____
 L.P.G. _____ Company _____ No. Tanks _____
 Capacity _____ Gals. Above Ground _____ Below _____ Location _____

This report notes the conditions or operations that favor or cause fire, or that may aid in the spread of fire or otherwise make the building unsafe, if so noted.

Fire Extinguisher Ok.

I have read the above Deficiencies, Violations, and understand all the above. I will correct the situations ASAP. Signed: James Branam Inspector: J. Branam

Passed

Not Passed

Scarab 25.00 fee

Fire Safety Prevention Inspection Form.

Permit Amul
 Inspector: James L. Branam
 4689 CR 114
 Wildwood, FL 34785
 352-748-0472/0472
 County 352-793-0270

Date 5-5-99

State Certification # 49664

Name of Business Shuter Co. Jmd Full Phone # _____ Emergency _____
 Phone _____ Owner Board of Shuter Co. Comm S Address 201 N. P1
ST Bushnell FL 33513
 Fire District 4(FD) Have They Done Pre-Fire Plans? Yes _____ No ☒ Sprinklered _____
 Standpipes _____ Fire Dept Connection N/A Spare Sprinklers _____
 P.I.V./OS&Y _____ Fire Alarm Yes _____ No _____ Annuc/Panel _____
 Fire Extinguishers 1 ABC ☒ CO2 _____ Other _____ Exposures North South East
 West _____ Ft _____

Electrical
 Above/Below Ground: Location East Exterior Meter _____ Removable: Yes No
 Main Shut-Off _____ Electrical Room _____ Main Amperes _____
 Emer. Gen: _____ Emergency Lighting none Exits Signs none
 Heating /AC _____ Duct Detectors _____ Fire Dampers _____
 Smoke Detectors _____ Hardwired Batt-Back-up Yes ☒ No

Cooking Equipment: Com/Hood _____ Supp System _____ Fryers _____ Griddle _____ Gas/Electric
 Tested _____

Sprinkler System Tested _____ Riser Tested _____
 Inspectors Test/Tested Yes No Hydrant _____ Flow Tested _____
 Building Construction: Ext/Walls metal Inter/Walls open
 Floor concrete
 Ceilings metal
 Roof metal

Fire Rated Separation Between Designated Areas
 Elevator Shafts _____ Sprinklered _____ Stairs _____
 Smoke Proof _____ Sprinklered _____ Emer/Vents _____ Fans _____
 L.P.G. _____ Company _____ No. Tanks _____
 Capacity _____ Gals. Above Ground _____ Below _____ Location _____

This report notes the conditions or operations that favor or cause fire, or that may aid in the spread of fire or otherwise make the building unsafe, if so noted.

F.E. OK

I have read the above Deficiencies, Violations, and understand all the above. I will correct the situations ASAP.
 Signed: Terry Hunt Inspector: J. Branam

Passed

Not Passed

Finishing Buildg Fee 25.00

Fire Safety Prevention Inspection Form.

Permit Annual
 Inspector: James L. Branam
 4689 CR 114
 Wildwood, FL 34785
 352-748-0472/0472
 County 352-793-0270

Date 5-5-99

State Certification # 49664

Name of Business Smarter Land Cell Phone # _____ Emergency _____
 Phone _____ Owner Board of Smarter Co. Comm Address 229 N. Cla
St. Augustine FL 32083
 Fire District SPD Have They Done Pre-Fire Plans? Yes _____ No _____ Sprinklered _____
 Standpipes _____ Fire Dept Connection _____ Spare Sprinklers _____
 P.I.V./OS&Y _____ Fire Alarm Yes _____ No _____ Annuc/Panel _____
 Fire Extinguishers 1 ABC ✓ CO2 Other _____ Exposures North South East
 West _____ Ft _____

Electrical
 Above/Below Ground: Location W. Shed Meter _____ Removable: Yes No
 Main Shut-Off _____ Electrical Room _____ Main Amperes _____
 Emer. Gen: _____ Emergency Lighting NA Exits Signs NA
 Heating /AC _____ Duct Detectors NA Fire Dampers _____
 Smoke Detectors _____ Hardwired Batt-Back-up Yes NA No _____

Cooking Equipment: Com/Hood _____ Supp System _____ Fryers _____ Griddle _____ Gas/Electric
 Tested _____

Sprinkler System Tested _____ Riser Tested _____
 Inspectors Test/Tested Yes No Hydrant _____ Flow Tested _____
 Building Construction: Ext/Walls _____ Inter/Walls _____
 Floor _____
 Ceilings Recycling Hill
 Roof _____

Fire Rated Separation Between Designated Areas _____
 Elevator Shafts _____ Sprinklered _____ Stairs _____
 Smoke Proof _____ Sprinklered _____ Emer/Vents _____ Fans _____
 L.P.G. _____ Company _____ No. Tanks _____
 Capacity _____ Gals. Above Ground _____ Below _____ Location _____

This report notes the conditions or operations that favor or cause fire, or that may aid in the spread of fire or otherwise make the building unsafe, if so noted.

FE: OK

I have read the above Deficiencies, Violations, and understand all the above. I will correct the situations ASAP.
 Signed: James Branam Inspector J. Branam

Passed

Not Passed

Recycling Hill Fee 25.00

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/5/99
Time 1030A

Subject Sumter Reporting

Permit No. _____

County _____

M TINA LEWIS

Telephone No. _____

Representing TIA

☒ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting

- discussed reporting for WQR
tons vs. cu.

- Agreed that all reporting can be in tons
- they will be using a conversion for
tons in finishing bldg

- they will weigh outgoing compost
- told her we're mostly interested in mat'l balance:
qty in, qty stored, qty out
As long as units are consistent it should
work out ok

* - I will look @ permits & see if we need to modify

(continue on another
sheet, if necessary)

Signature

Title

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DISTRICT ROUTING SLIP

To: Francine Joyal DATE: 4/12/99
Solid waste - TAL MS 4565 CC To

	PENSACOLA	NORTHWEST DISTRICT	
	Panama City	Northwest District Branch Office	
	Tallahassee	Northwest District Branch Office	
	Sopchoppy	Northwest District Satellite Office	
	TAMPA	SOUTHWEST DISTRICT	
	Punta Gorda	Southwest District Branch Office	
	Bartow	Southwest District Satellite Office	
	ORLANDO	CENTRAL DISTRICT	
	Melbourne	Central District Satellite Office	
	JACKSONVILLE	NORTHEAST DISTRICT	
	Jacksonville	Northeast District Branch Office	
	FORT MYERS	SOUTH DISTRICT	
	Marathon	South District Branch Office	
	WEST PALM BEACH	SOUTHEAST DISTRICT	
	Port St. Lucie	Southeast District Branch Office	

☐ Reply Optional
Date Due _____

☐ Reply Required
Date Due: _____

☐ Info Only

Comments:

Sumter Co Finishing Bldg #2, construction info
1 bound document
1 set drawings (7 sheets)
Permit 126940-006-SC
FYI

From:

Tel.:

Susan Peltz

SC 512-1042 x386

08-18-93

ction

David B. Struhs
Secretary

99

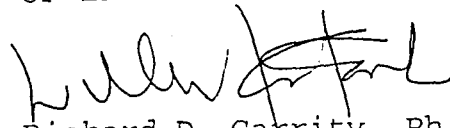
cility-

y

1, issued pursuant to

the right to seek
action 120.68, Florida
al pursuant to Rule
, with the Clerk of
asel, 2600 Blair Stone
ng a copy of the
ble filing fees with
The Notice of Appeal
the Final Order is

FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

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

Printed on recycled paper.

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO:  RICK GARRITY, Director of District Management

FROM/THROUGH:

William Kutash, ENVIRONMENTAL ADMINISTRATOR
Robert Butera, P.E. 254/8, SUPERVISOR
Susan Pelz, P.E. 84/8, ENGINEER

DATE: April 8, 1999

FILE NAME: Sumter County Composting
PROGRAM : Solid Waste

PERMIT #: 126940-006-SC
COUNTY : Sumter

TYPE OF PERMIT ACTION: X ISSUE DENY MODIFY
 TRANSFER OWNER NOD
 PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? YES PETITION FILED? NO

PERMIT SUMMARY: This permit is to construct an expansion (finishing building #2) to solid waste composting facility. The building design is identical to the finishing building which was constructed in 1998 (permit # 126940-002-SC). The modifications to the facility are expected to produce a higher quality of compost, and reduce the potential for discharges of waste or leachate to the environment.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: The applicant has provided sufficient information to demonstrate compliance with Department Rules.

Application received - February 3, 1999.
Application complete - February 10, 1999.
Proof of Publication received - 3/18/99; Active - 4/1/99
Department processing time - 24 days (to 4-8-99).
Total processing time - 65 days (to 4-8-99).

DAY 90/30 FOR THIS ACTION IS: ASAP by April 16, 1999.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Sumter County Public
Works Dept
Mr. Barry Bredon, Jr
319 E. Anderson Ave
Bushnell, FL 33513

4a. Article Number

P053 244 074

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

4.9.99

5. Received By: (Print Name)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature: (Addressee or Agent)

X Ponda Cheers

Thank you for using Return Receipt Service.

P 053 244 074

US Postal Service

Receipt for Certified Mail

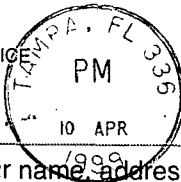
No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

PS Form 3800 April 1995

Sent to <i>Sender Carty Publishers</i>	
Street & Number <i>Mr. Barry Breeden</i>	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date <i>4-8-99</i>	

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

State of Florida
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

D.E.P.

APR 12 1999

Southwest District Tampa

Susan Pelz - SW





Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

April 8, 1999

NOTICE OF PERMIT

Sumter County Public Works Department
Mr. Garry Breeden, Director
319 E. Anderson Ave.
Bushnell, Fl. 33513

RE: Sumter County Solid Waste Management Facility-
Solid Waste Finishing Building
Permit No.: **126940-006-SC**, Sumter County

Dear Mr. Breeden:

Enclosed is Permit Number **126940-006-SC**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Any party to the Order (permit) has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the 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, 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 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on April 8, 1999 to the listed persons.

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant
to Section 120.52(10), Florida
Statutes, with the designated
Department, Clerk, receipt of
which is hereby acknowledged.

Anna Blau
Clerk

4/8/99
Date

RDG/sjp

Attachment

Copies furnished to:

Elected Officials Notification List

Sumter County Board of County Commissioners

David Springstead, P.E., Springstead Engineering, 727 S.
14th St., Leesburg, Fl. 34748

Terry Hurst, Sumter County, PO Box 1066, Bushnell, Fl. 33513

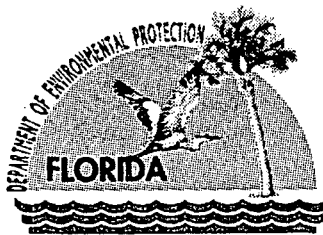
Mitch Kessler, TIA, 10012 N. Dale Mabry, Suite #223,
Tampa, Fl. 33618

Douglas Beason, OGC Tallahassee

Francine Joyal, FDEP Tallahassee

Robert Butera, P.E., FDEP Tampa

Danielle Nichols, FDEP Tampa (Permit Notebook)



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Sumter County Public Works Dept.
Mr. Garry Breeden, Director
319 E. Anderson Ave.
Bushnell, Florida 33513

PERMIT/CERTIFICATION

GMS ID No: 4060C00092
Permit No: 126940-006-SC
Date of Issue: 04/08/1999
Expiration Date: 06/01/2001
County: Sumter
Lat/Long: 28°44'30"
82°05'20"
Sec/Town/Rge: 15/20S/22E
Project: Sumter County
Composting Facility-
Finishing Building

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-3, 62-4, 62-25, 62-330, 62-520, 62-522, 62-550, 62-701, and 62-709, F.A.C. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To **construct** an expansion to the existing Composting Facility, referred to as the Sumter County Solid Waste Management (Composting) Facility, subject to the specific and general conditions attached, for materials recovery, sorting and recycling, located 1 mile east of Interstate 75, along the south side of C.R. 470, north of Bushnell, Sumter County, Florida. The specific conditions attached are for the **construction** of:

1. Composting Facility - Finishing Building #2

Replaces applicable conditions of Permit Number: N/A, new

This permit contains compliance items summarized in Attachment 1 that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copy any records that must be kept under conditions of the permit;

(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

(a) A description of and cause of noncompliance; and

(b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

GENERAL CONDITIONS:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT)
 - (b) Determination of Prevention of Significant Deterioration (PSD)
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.

GENERAL CONDITIONS:

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

- (a) All reports or information required by the Department shall be certified as being true, accurate and complete.
- (b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- (c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.
 - 1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
 - 2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance, and all information required by Rule 62-28.230(4)(b), F.A.C.
- (d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the State.

GENERAL CONDITIONS:

17. The following conditions also shall apply to a hazardous waste facility permit.

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.
2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

(c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

1. **Facility Designation.** This site shall be classified as a solid waste management facility for composting of solid waste materials and shall be constructed and operated in accordance with all applicable requirements of Chapters 62-3, 62-4, 62-25, 62-330, 62-520, 62-522, 62-550, 62-701, and 62-709, Florida Administrative Code (F.A.C.) and all applicable requirements of Department Rules.

2. **Permit Application Documentation.** This permit is valid for construction of finishing building #2 and related facilities in accordance with the reports, plans and other information, submitted by Springstead Engineering, Inc., as follows:

a. Application to for a Permit to Construct a Solid Waste Management Facility for the production of Compost, dated January 29, 1999 (received February 3, 1999);

b. Additional information dated February 9, 1999 (received February 10, 1999);

c. Plan Sheets titled, Sumter County Composting, Processing and Recycling Facility- Compost Finishing Building - 2, (7 sheets) dated February 9, 1999 (February 10, 1999);

d. and in accordance with all applicable requirements of Department rules.

3. **Permit Modifications.**

a. This permit is valid for the construction of the finishing building and related appurtenances. This permit does not authorize the operation of this system. Upon completion of construction of the facility, the permittee shall request a minor modification to the composting site operation permit to allow the operation of this facility. This minor modification request may be submitted as part of the Certification of Construction Completion documentation required by Specific Condition #5 below.

b. This permit does not authorize the management of waste tires, used oil or other special wastes (e.g. white goods, scrap metal) at the site.

c. Any activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts, and which requires a detailed review by the Department, is considered a substantial modification.

SPECIFIC CONDITIONS:

4. **Permit Renewal.** No later than **one hundred eighty (180) days** before the expiration of this Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules.

5. **Certification of Construction Completeness.** No later than **thirty (30) days** after the completion of construction, and prior to operation of finishing building, the following activities shall be completed:

a. The owner or operator shall submit a Certification of Construction Completion, DEP Form 62-701.900(2), signed and sealed by the professional engineer of Record, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

b. The owner or operator shall submit Record Drawings of the facility. The Record Drawings shall include, but not be limited to:

- 1) As-built details of the finishing building such as the floor slopes (leachate collection system);
- 2) Processing equipment installation (if applicable);
- 3) Piping, electrical, and fire suppression systems;
- 4) Building eave heights, clearances and floor elevations;
- 5) Other details as necessary.

c. A final survey shall be provided which demonstrates that the as-built floor elevations, and grades were constructed in accordance with the Department-approved plans.

d. The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification by the design engineer to the Department.

6. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated.

7. **Facility Operation Requirements.**

a. Material shall not be processed in the finishing building systems prior to submittal of, and Department approval of, the Certification of Construction requirements of Specific Condition #5 above.

SPECIFIC CONDITIONS:

(Specific Condition #7, cont'd)

b. The finishing building floor shall be sloped to the center as shown on Sheet 3 of 7, Floor Plan. In the event that liquids accumulate on the floor, the liquids shall be removed by the end of the working day. These liquids may be placed back on the compost piles, may be removed for offsite disposal, or may be disposed of in another appropriate manner.

c. Litter shall be collected at least once daily.

d. Dust shall be controlled at the facility to prevent potential fire hazards and nuisances.

e. Composted materials which utilize different feedstocks and additives shall be cured, finished and stored in separate piles. These materials may be mixed or commingled after the finished compost analyses are received and the analyses demonstrate that the piles are the same classification of compost (pursuant to 62-709.550, F.A.C.).

f. Final screening of compost material shall be conducted inside the main finishing building (#1) or "lean to" portion of finishing building #1.

g. Finished compost materials shall be sampled and analyzed in accordance with 62-709.530, F.A.C. Finished compost for which test results have not been received, shall be stored separate from other materials (e.g. unfinished compost, residuals, etc.) until the test results are received. Finished compost which is classified Type A may be stored outside the building after the test results are received.

h. The outside asphalt pads shall not be used for composting without prior Department approval. The pads may be used for storage of Type A compost.

8. **Operation Plan and Operating Record.** A copy of the Department-approved permit, information listed in Specific Condition #2. above, Operations Plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. These records shall be maintained at the facility for a minimum of five years, or as otherwise requested by the Department.

9. **Recordkeeping and Reporting.**

a. Unless otherwise specified, all records shall be maintained at the facility and copies provided to the Department upon request.

SPECIFIC CONDITIONS:

(Specific Condition #9, cont'd)

b. The owner or operator of the composting facility shall maintain records as required by Operation Permit 126940-001-SO.

10. **Monitoring of Waste.** The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous waste is a waste in Chapter 62-730, F.A.C. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule.

11. **Drainage Requirements.**

a. All areas shall be cleaned at the end of each day's operation, at a minimum, or as needed, to prevent odor or vector problems. All washdown water shall be contained within the building or leachate management system. Floors shall be free of standing liquids.

b. Except for discharges to the leachate management system, liquids shall not discharge from the digester system at any time.

12. **Closure Requirements.** The facility owner or operator shall notify the Department of the facility's closure, no later than **180 days prior** to the date when the facility is expected to close. The facility shall be closed in accordance with 62-709.510(4), F.A.C.

13. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this construction. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take **immediate (within 24 hours)** corrective action to abate the nuisance. The owner or operator shall control disease vectors so as to protect the public health and welfare.

14. **Facility Maintenance and Repair.**

a. The site shall be properly maintained including building maintenance, and maintenance of equipment, drainage systems, leachate collection and removal systems, and stormwater systems.

b. Except for minor equipment repairs and maintenance, in the event of the following occurrences, the permittee shall **immediately (within 24 hours)** notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken and time needed for repairs:

- 1) Damage to any portion of the site facilities;
- 2) Failure of any portion of the associated systems;
- 3) Emergency incidents such as fires or explosions;

SPECIFIC CONDITIONS:

(Specific Condition #14.b., cont'd)

4) Extended downtime (greater than 72 hours) for any component of the digester system.

c. Written detailed notification shall be submitted to the Department **within seven (7) days** following the occurrence.

15. **Stormwater System.** The site shall continue to have a stormwater management system operated and maintained to prevent surface water flow into waste processing and storage areas. The stormwater management system shall be operated and maintained in accordance with Chapter 62-330, F.A.C., and any other applicable Department or water management district rules.

16. **Fire Safety.**

a. **Annually**, the permittee shall arrange for a fire safety inspection to be completed **no later than June 15th**, which includes a statement from the local protection authorities that the site meets the requirements of the local fire protection authorities. The report of the Fire Safety Inspection shall be maintained at the facility, and copies provided to the Department upon request.

b. In the event that deficiencies are noted, **within 30 days of completion**, the permittee shall provide documentation to the Department indicating correction of any deficiencies noted in the annual Fire Safety Survey. The documentation shall include approval of the corrections by the local fire authority.

17. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

18. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

19. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

PERMITTEE: Sumter County Public Works Dept.
Mr. Garry Breeden, Director

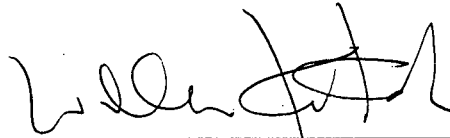
PERMIT NO.: 126940-006-SC
Composting Facility-Finishing Building #2

SPECIFIC CONDITIONS:

20. **Regulations.** Chapter 62-709, F.A.C. (effective 12-17-96), and Chapter 62-701, F.A.C. (effective 4-23-97), are incorporated into this permit by reference. The permittee shall comply with all applicable requirements of Department rules.

Executed in Tampa, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

A handwritten signature in black ink, appearing to read 'Richard D. Garrity', is written over a horizontal line.

Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
5.a., 5.b., 5.c.	Within 30 days of completion of construction	Certification of Construction Completion submitted; Record Drawings submitted
12.	180 days prior to date of final material acceptance	Closure notification
14.b.	Within 24 hours, Within 7 days, of occurrence	Notification of failure of systems Written notification & description of corrective actions
16.a.	Annually, by June 15th	Fire safety survey/inspection completed
16.b.	Within 30 days of completion	Documentation of approved completion of fire safety corrective actions