

# Amerecycle



D.E.R.

MAY - 9 1991

SOUTHWEST DISTRICT  
FLORIDA

The American Recycling Company, Inc.  
P.O. Box 338  
State Rd. 470 & County Rd. 529  
Sumterville, Florida 33585  
(904) 568-1100

## FAX INFORMATION

Date: 5/9/91

TO: KIM FORD

FROM: SIM Pickering

Notes: Attached is our 1st TYPE A letter &  
our test results showing the DER guidelines  
on the side - Gary would like another "TYPE  
A" letter and please send us a copy too.

In case of problem's with transmission contact: \_\_\_\_\_

PS. we'll send you the other letter after we've published the notice

Number of pages to follow cover sheet: \_\_\_\_\_

Sender's FAX #: (904) 568-1103

Sender's Phone #: (904) 568-1100

Receiver's FAX #: (813) 272-2279

Thanks  
for  
your  
help -



Parameters	Units	RESULTS					DER Guidelines
		1	2	3	4	Aver.	
Moisture (TS%)	%	47	-	-	-	-	> 35%
Total Nitrogen	% Dry weight	0.65	-	-	-	-	-
TKN	% Dry weight	0.66	-	-	-	-	-
Nitrate Nitrite	% Dry weight	<0.10	-	-	-	-	-
Total Phosphorus	% Dry weight	0.14	-	-	-	-	-
Potassium	% Dry weight	0.20	-	-	-	-	-
Cadmium	mg/kg Dry weight	1.8	-	-	-	-	< 15%
Copper	mg/kg Dry weight	300	-	-	-	-	< 450
Lead	mg/kg Dry weight	370	-	-	-	-	< 500
Nickel	mg/kg Dry weight	38	-	-	-	-	< 50
Zinc	mg/kg Dry weight	870	-	-	-	-	< 900
Fecal Coliform	MPN/g volatile solids	<13	<13	<13	-	<13	< 100
pH	Units	8.2	-	-	-	-	-
Organic Matter (compost) (volatile solids)	%	23	-	-	-	-	With 10mm screen: 25%
Organic Matter (raw material) (volatile solids)	%	72	82	70	71	74	-
Reduction of organic matter	%	90	-	-	-	-	> 60%
Foreign Matter	%	2.0	-	-	-	-	< 2%



**THE AMERICAN RECYCLING COMPANY, INC.**

County Road 529 • P.O. Box 338 • Sumterville, Florida 33585 • (904) 568-1100 • 1-800-THE-ARC-1 • FAX (904) 568-1103

Recycled Paper—Use It!

April 19, 1991  
Kim Ford  
Department of Environmental Regulation  
4520 Oak Fair Boulevard  
Tampa, FL 33610-7347

D. E. R.

APR 22 1991

SOUTHWEST DISTRICT  
TAMPA

Ref: Sumter County Compost

Dear Kim;

The enclosed Envirolab test results fall within the 17-709 Compost Rule guidelines for "Type A" compost so, we will begin distributing this compost to the public. These results are being provided to you per paragraph 17-709.530.

Sincerely,

Jim Pickering  
Regional Marketing Director

Encl.

cc: Garry Breeden -

JCP/tgt

## SUMTER COUNTY COMPOST ANALYSIS - #91-9395



Parameters	Units	RESULTS				
		1	2	3	4	Aver.
Moisture (TS%)	%	47	-	-	-	-
Total Nitrogen	% Dry weight	0.65	-	-	-	-
TKN	% Dry weight	0.65	-	-	-	-
Nitrate-Nitrite	% Dry weight	<0.10	-	-	-	-
Total Phosphorus	% Dry weight	0.14	-	-	-	-
Potassium	% Dry weight	0.20	-	-	-	-
Cadmium	mg/kg Dry weight	1.8	-	-	-	-
Copper	mg/kg Dry weight	300	-	-	-	-
Lead	mg/kg Dry weight	370	-	-	-	-
Nickel	mg/kg Dry weight	38	-	-	-	-
Zinc	mg/kg Dry weight	870	-	-	-	-
Fecal Coliform	MPN/g volatile solids	<13	<13	<13	-	<13
pH	Units	8.2	-	-	-	-
Organic Matter (compost) (volatile solids)	%	23	-	-	-	-
Organic Matter (raw material)(volatile solids)	%	72	82	70	71	74
Reduction of organic matter	%	90	-	-	-	-
Foreign Matter	%	2.0	-	-	-	-

Envirolab, Inc..

1030 U.S. Highway One, North  
 P.O. Box 60/  
 Ocala, Florida, FL 32175  
 904/672-5688 • FAX 904/673-8284





**Springstead  
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

727 South 14th Street  
Leesburg, Florida 34748

Lake (904) 787-1414  
Sumter (904) 793-3639  
Fax (904) 787-7221

March 18, 1992

Mr. Kim Ford, P.E.  
State of Florida  
Department of Environmental Regulation  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7437

**Re: Sumter County Composting Facility  
921100.00**

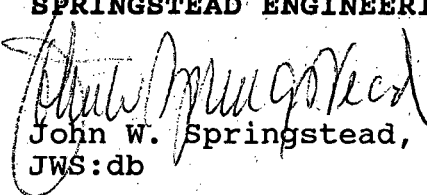
Dear Mr. Ford,

Upon review of the compost test results for the fourth quarter of 1991, on the above referenced project, the compost is classified as Type "B" according to the parameters in F.A.C. 17-709.550(1)(e) because of its nickel content. According to F.A.C. 17-709.600(2), Criteria For Use Of Compost, this compost may be used by commercial, agricultural, institutional or governmental operations.

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

Very truly yours,

**SPRINGSTEAD ENGINEERING, INC.**

  
John W. Springstead, P.E.  
JWS:db

cc: Mr. Garry Breeden  
Mr. Tommy Hurst

(921100 FORD.DOC)

P.D.E.R.

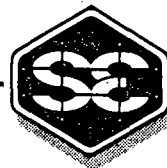
MAR 24 1992

SOUTHWEST DISTRICT  
TAMPA

# Springstead Engineering, inc.

Consulting Engineers — Planners — Surveyors

727 South 14th Street  
Leesburg, Florida 34748



Lake (904) 787-1414  
Sumter (904) 793-3639  
Fax (904) 787-7221

TO Mr. Kim Ford, P.E.  
State of Florida  
Department of Environmental Regulation  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347

DATE 2/18/92 JOB NO. 031030.00  
ATTENTION Mr. Ford  
RE Sumter County Landfill

## GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ under separate cover via \_\_\_\_\_ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐ Facsimile

☐ Copy of letter ☐ Change order ☐ \_\_\_\_\_

Copies	Date	No.	Description
1	1/2/92		Test results on the Sumter County Landfill Compost for the fourth quarter from Envirolab  D. E. R. FEB 19 1992 SOUTHWEST DISTRICT TAMPA

## THESE ARE TRANSMITTED as checked below:

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> For approval                                     | <input type="checkbox"/> Approved as submitted    | <input type="checkbox"/> Approved for payment               |
| <input checked="" type="checkbox"/> For your use                          | <input type="checkbox"/> Approved as noted        | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input type="checkbox"/> As requested                                     | <input type="checkbox"/> Returned for corrections |   |
| <input type="checkbox"/> For review and comment                           | <input type="checkbox"/> _____                    |   |
| <input type="checkbox"/> Material and/or prints returned after loan to us |   |   |

## REMARKS

COPY TO

SIGNED: Ralph W. Warnock, Jr.  
Ralph W. Warnock, Jr., Project Engineer



ENVIROLAB, INC.

P.O. Box 607  
Ormond Beach, Florida 32175  
(904) 672-5668 • FAX (904) 673-8264Environmental Certification  
HRS #E83079Drinking Water Certification  
HRS #83160

AMERECYCLE, INC.

P.O. BOX 338  
SUMTERVILLE FL 33585  
ATTN:

RECEIVED

JAN 13 1992

J. SEA C-103

Description: 9 Samples Received on 12/12/91

Sampled By: ENVIROLAB

Client Job/PO Number:

Reference Number: 921678

Reported Date: 01/02/92

Invoice Number: 92-1678

Sample	Description	Client Id
0001		PILE 1 NORTH
0002		PILE 1 SE
0003		PILE 1 WEST
0004		PILE 2 NORTH
0005		PILE 2 SE
0006		PILE 2 WEST
0007		RAW
0008	COMPOSITE	PILE 1
0009	COMPOSITE	PILE 2

PARAMETER	SAMPLE NUMBER							
	0001	0002	0003	0004	0005	0006	0007	0008
CADMIUM								4.8
COPPER								230
LEAD								180
NICKEL								79
POTASSIUM								0.11
TOTAL NITROGEN								0.75
TOTAL PHOSPHOROUS								0.29
TOTAL SOLIDS								46
ZINC								810

ORGANIC REDUCTION PILE 1 81.5%  
PILE 2 82.9%

JAN 06 RECD



ENVIROLAB, INC.

P.O. Box 607  
Ormond Beach, Florida 32175  
(904) 672-5668 • FAX (904) 673-8264

Environmental Certification  
HRS #E83079

Drinking Water Certification  
HRS #83160

Reference Number: 921678

Page: 2

PARAMETER	SAMPLE NUMBER							
	0001	0002	0003	0004	0005	0006	0007	0008
PECAL COLIFORM	#/100	< 300	< 300	< 300	< 300	< 300	< 300	
FOREIGN MATTER TEST								0.40
OXIDIZED NITROGEN	MG/L							< 0.1
PH LAB	UNITS							8.2
TOTAL KJELDAHL NITROGEN	MG/L							0.75
TOTAL VOLATILE SOLIDS (SOLID)							76	37

ORGANIC REDUCTION PILE 1 81.5%  
PILE 2 82.9%



ENVIROLAB, INC.

P.O. Box 607  
Ormond Beach, Florida 32175  
(904) 672-5668 • FAX (904) 673-8264

Environmental Certification  
HRS #E83079

Drinking Water Certification  
HRS #83160

Reference Number: 921678

Page: 3

PARAMETER		SAMPLE NUMBER
		0009
CADMIUM	MG/KG	3.9
COPPER	MG/KG	280
LEAD	MG/KG	140
NICKEL	MG/KG	150
POTASSIUM	%	0.21
TOTAL NITROGEN	%	1.1
TOTAL PHOSPHOROUS	%	0.59
TOTAL SOLIDS	%	54
ZINC	MG/KG	880
FOREIGN MATTER TEST	%	0.49
OXIDIZED NITROGEN	MG/L	< 0.1
PH LAB	UNITS	8.8
TOTAL KJELDAHL NITROGEN	MG/L	1.1
TOTAL VOLATILE SOLIDS (SOLID)	%	34

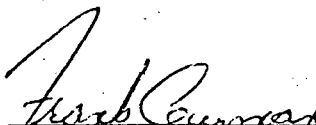
ORGANIC REDUCTION PILE 1 81.5%  
PILE 2 82.9%

QC ACCEPTABLE

JAN 2 1992

R.A. ELEFRITZ, SR.

APPROVED BY:

  
F. Guzman/R. Sullivan  
Laboratory Contact



**Springstead  
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

**D.E.R.**

727 South 14th Street  
Leesburg, Florida 34748

**JUL 13 1992**

Lake (904) 787-1414  
Sumter (904) 793-3639

**SOUTHWEST DISTRICT TAMPA** Fax (904) 787-7221

July 9, 1992

Mr. Kim Ford, P.E.  
State of Florida  
Department of Environmental Regulation  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7437

**D.E.R.**

**JUL 13 1992**

**SOUTHWEST DISTRICT  
TAMPA**

**Re: Sumter County Composting Facility  
921100.00**

Dear Mr. Ford,

Upon review of the compost test results for the second quarter of 1992, on the above referenced project, the compost is classified as Type "B" according to the parameters in F.A.C. 17-709.550(1)(e) because of its nickel and zinc content. According to F.A.C. 17-709.600(2), Criteria For Use Of Compost, this compost may be used by commercial, agricultural, institutional or governmental operations.

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

Very truly yours,

**SPRINGSTEAD ENGINEERING, INC.**

*John W. Springstead* 7/9/92  
John W. Springstead, P.E.

JWS:db

cc: Mr. Garry Breeden  
Mr. Tommy Hurst

(921100 FORD.7-9)

06/12/92

10:41

BRILEY WILD &amp; HARRIS, CIVIL ENGINEERS



ENVIROLAB, INC.

P.O. Box 607

Ormond Beach, Florida 32175

(904) 672-5668 • FAX (904) 673-8264

Environmental Certification  
HRS #E83079

D. E. R.

JUL 13 1992

Drinking Water Certification  
HRS #83160SOUTHWEST DISTRICT  
TAMPA.

SAMPLED AT SUMTER COUNTY LANDFILL

SAMPLED BY CLIENT

DATE: 6/2/92

TIME: 0815

*Raw Compost - Batch #7*

SAMPLE ID#: 923512

Parameters	Units	RESULTS			
		1	2	3	COMPOSITE
Molsture (TS%)	%				47.0
Nitrate-Nitrite	% Dry weight				< .1
Total Nitrogen	% Dry weight				0.78
TKN	% Dry weight				0.78
Total Phosphorus	% Dry weight				0.16
Cadmium	mg/kg Dry weight				4
Copper	mg/kg Dry weight				320
Lead	mg/kg Dry weight				220
Nickel	mg/kg Dry weight				64
Zinc	mg/kg Dry weight				910
Fecal Coliform	#/per gram volatile solids	< 30	< 30	< 30	N/A
pH	Units				8.2
Organic Matter (compost) (volatile solids)	%				31
Organic Matter (raw material)(volatile solids)	%				76
Reduction of organic matter	%				85.8
Foreign Matter	%				0.69

CALCULATIONS BASED ON DRY WEIGHT

  
R. SULLIVAN/F. GUZMAN



**Springstead  
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

File: Sumter CO

727 South 14th Street  
Leesburg, Florida 34748

Lake (904) 787-1414  
Sumter (904) 793-3639  
Fax (904) 787-7221

April 15, 1993

**D.E.R.**

**APR 20 1993**

**SOUTHWEST DISTRICT  
TAMPA**

Mr. Kim Ford, P.E.  
State of Florida  
Department of Environmental Regulation  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7437

**Re: Sumter County Composting Facility  
921100.00**

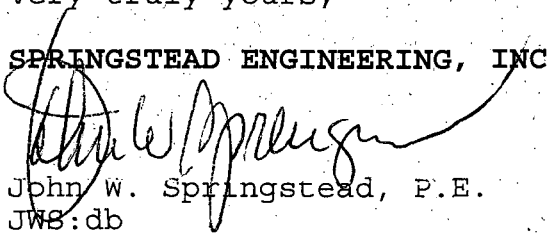
Dear Mr. Ford,

Upon review of the compost test results for the first quarter of 1993, on the above referenced project, the compost is classified as Type "A" according to the parameters in F.A.C. 17-709.550(1)(e). According to F.A.C. 17-709.600(1), Criteria For Use Of Compost, this compost has unrestricted distribution. Please find attached test results for this compost.

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

Very truly yours,

**SPRINGSTEAD ENGINEERING, INC.**

  
John W. Springstead, P.E.  
JWS:db

cc: Mr. Garry Breeden  
Mr. Tommy Hurst

Enc.

(921100 FORD.416)





ENVIROLAB, INC.

P.O. Box 607  
Ormond Beach, Florida 32175  
(904) 672-5668 • FAX (904) 673-8264

Environmental Certification  
HRS #E83079

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATT:DAVID SPRINGSTEAD

Drinking Water Certification  
HRS #83160

D.E.R.

APR 20 1993

SOUTHWEST DISTRICT  
TAMPA

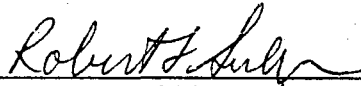
Submission #: 9303000238  
Date Received: 03/12/93  
Date Reported: 03/30/93

Client PO Number: 92-1100.00  
Project: SUMTER CO. LF

Page 1

Order Number: 17044  
Date Sampled: 03/10/93  
Client Sample Number: 1  
Sample Description: RAW COMPOSITE

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
	FOREIGN MATTER	%	2.0	SKF	03/19/93	
160.3	MOISTURE	%	59	SKF	03/15/93	
160.4	ORGANIC MATTER	%	35	SKF	03/14/93	
160.4	REDUCTION IN ORGANIC MATTER	%	72	SKF	03/22/93	
353+351	TOTAL NITROGEN	%	0.82	WKB	03/19/93	
365.1	TOTAL PHOSPHOROUS	%	0.023	JB	03/16/93	
7130	CADMIUM	MG/KG	1.9	JDM	03/15/93	
7210	COPPER	MG/KG	220	JDM	03/15/93	
7421	LEAD	MG/KG	65	JDM	03/16/93	
7520	NICKEL	MG/KG	13	BB	03/16/93	
7610	POTASSIUM	%	0.084	BB	03/17/93	
7950	ZINC	MG/KG	750	BB	03/17/93	
9045	PH LAB	UNITS	8.4	SS	03/14/93	
SM9221C	FECAL COLIFORM	#/GRAM	51	ATK	03/15/93	

  
R. Sullivan / F. Guzman  
V. President / Laboratory Director

QC ACCEPTABLE

MAR 30 1993

R.A. ELEFRITZ, SR.



Environmental Certification  
HRS #E83079

1994  
1<sup>st</sup> Quarter Compost Test

1032 U.S. Highway One, North  
P.O. Box 400  
Ormond Beach, Florida 32175  
(904) 672-5668  
Fax (904) 673-4001  
Drinking Water Certification  
HRS #83160

Sample Description: Compost  
Sampled By: Client  
Date: 3/18/94  
Time: 1100

D.E.P.

MAY 26 1994

SOUTHWEST DISTRICT  
TAMPA

Sample ID#: 9403000315

Parameters	Units	Results			
		1	2	3	Composite
Moisture (TS%)	%				52
Total Nitrogen	% Dry Weight				5700
TKN	% Dry Weight				5700
Total Phosphorus	% Dry Weight				0.080
Cadmium	mg/kg Dry Weight				6.9
Copper	mg/kg Dry Weight				200
Lead	mg/kg Dry Weight				100
Nickel	mg/kg Dry Weight				6.6
Zinc	mg/kg Dry Weight				600
Fecal Coliform	#/per gram volatile solids				>3300
pH	Units				8.7
Organic Matter (compost) (volatile solids)	%				31
Organic Matter (raw) (volatile solids)	%				31
Reduction of organic matter	%				85
Foreign Matter	%				1.4

Calculations based on dry weight

QC ACCEPTABLE

R. Sullivan/F. Guzman  
President/Vice President

MAY - 2 1994

R.A. ELEFRITZ, SR.

# CHAIN CUSTODY

Ormond Bch, Fl

TclH (904) 677.5668

Fax# (904) 481-XXXX 201

Tampa, Fl.

Tcl# (813) 392-9495

Client <u>Central Florida</u>	Proj # <u>97077-4.01</u>	P.O.# <u></u>	Sampled by EL <u>Client</u> <input checked="" type="checkbox"/>	LAB USE ONLY
Company Name <u>Springstead Lake</u>	Project Name <u>Sunrise Co. Solid Waste</u>		Sampler(Signature) <u>[Signature]</u>	Results Due ( Date/Time) <u></u>
Contact Name <u>Jim</u>			Sampler Name (Printed) <u>James A. [Signature]</u>	Fax Results <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Address <u>727 S 14 St</u>				Submission # <u>7403 315</u>
City <u>Leesburg</u> State <u>FL</u> Zip <u>34748</u>	<input checked="" type="checkbox"/> Envirolab Cooler used <input type="checkbox"/> Returned to Envirolab			
Phone # <u>(904) 787-4668</u> Fax # <u>787-7771</u>	<input type="checkbox"/> Client Cooler used <input type="checkbox"/> Returned to Client			

[illegible]

A. Drinking Water B. Surface Water C. Solid D. Sludge E. Ground Water Reg. F. Industrial G. Ground Water Orl. H. Air I. Lab DI \*\* C= Composite G. Grab  
B1. Fresh B2. Salt F1. INF. F2. EFF.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Remarks:
Received by: (Signature)	Relinquished by: (Signature)		Date	Time	Date	Time	

TAMPA

pos. 1994  
MAY 26

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:  
Leesburg

May 10, 1994

Mr. Garry Breeden, Director of Public Works  
Sumter County Board of County Commissioners  
Department of Public Works  
222 East McCollum Avenue  
Bushnell, Florida 33513

RE: Compost Analyses  
Sumter County Solid Waste Management Facility  
97077-4.01

Dear Mr. Breeden:

One (1) composite compost sample was collected for the purpose of analyses and classification, March 21, 1994, at the above referenced facility. The samples were analyze and classified in accordance with Florida Administrative Code (F.A.C.) Chapter 17-709, titled Criteria for the Production and Use of Compost Made from Solid Waste.

The sample was classified as follows:

1. COMPOSITE SAMPLE - Type A

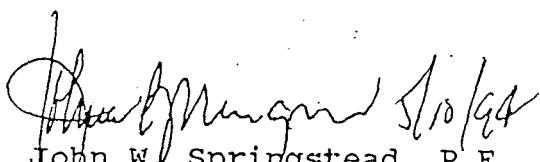
All parameters were in the Type A range.

Copies of the results of the analyses and the chain-of-custody form are attached.

We hope that the provided information meets your needs at the present time. Should you have any additional questions, or if you require additional information, please contact our office.

Very truly yours,

CENTRAL TESTING LABORATORY

  
John W. Springstead, P.E.  
President  
Florida Reg. No. 8579  
JWS:jad

SOUTHWEST DISTRICT  
TAMPA

MAY 26 1994

D.E.P.

P.O. Box 883  
Floral City, Florida 34436  
(904) 726-6447

Hernando County  
(904) 796-0035

727 S. 14th Street  
Leesburg, FL 34748  
(904) 787-1268

Sumter County  
(904) 793-3639

1725 SW 17th Street  
Ocala, FL 34474  
(904) 622-1186

# Central Testing Laboratory

ENGINEERING AND MATERIALS TESTING  
SOUTHWEST DISTRICT  
TAMPA

MAY 26 1994

D.E.P.

Sumter Co. Brd. of County Comm.  
Sumter Co. Dept. of Public Works  
222 East McCollum Avenue  
Bushnell, Florida 33513  
Mr. Garry Breeden

Compost Analyses  
Sumter County Landfill

PROJECT NO: 97077-4.01  
INVOICE NO: 4-441513  
DATE: 05/12/94

SOLID WASTE FUND

A/C NO. 104-170-530-34-0-4940

ENTERED 5/16/94

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Moisture	10.00	10.00
1	Total Nitrogen	76.00	76.00
1	Total Solids	20.00	20.00
1	Organic Matter	8.00	8.00
1	Reduction in Organic Matter	10.00	10.00
1	Total Volatile Solids	30.00	30.00
1	Total Kjeldahl Nitrogen	29.00	29.00
1	Oxidized Nitrogen	28.00	28.00
1	pH	40.00	40.00
1	Foreign Matter	25.00	25.00
1	Total Phosphorous	17.50	17.50
1	Cadmium	13.50	13.50
1	Copper	13.50	13.50
1	Lead	13.50	13.50
1	Nickel	13.50	13.50
1	Zinc	13.50	13.50
3	Fecal Coliform	25.00	75.00
36	Miles	0.20	7.20
3	Hours Technician	30.00	90.00
TOTAL INVOICE AMOUNT:			533.20

APPROVED:

Director of Public Works  
Sumter County

PLEASE REMIT ALL PAYMENTS TO: CENTRAL TESTING LABORATORY, 727 S. 14TH STREET, LEESBURG, FL 34748

P.O. Box 883  
Floral City, Florida 34436  
(904) 726-6447

Hernando County  
(904) 796-0035

727 S. 14th Street  
Leesburg, Florida 34748  
(904) 787-1268

Sumter County  
(904) 793-3639

1725 S.W. 17th Street  
Ocala, Florida 34474  
(904) 622-1186

# Springstead Engineering, inc.

Consulting Engineers — Planners — Surveyors

727 South 14th Street  
Leesburg, Florida 34748

**RECEIVED**  
NOV 10 1994

Department of Environmental Protection  
SOUTHWEST DISTRICT



Lake (904) 787-1414  
Sumter (904) 793-3639  
Fax (904) 787-7221

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

DATE 11/8/94 JOB NO. 921100.000

ATTENTION Ms. Allison Amram

RE Sumter County Solid Waste Facility

## GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ under separate cover via \_\_\_\_\_ the following items:

- ☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐ Facsimile  
☐ Copy of letter ☐ Change order ☐ \_\_\_\_\_

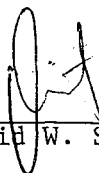
Copies	Date	No.	Description
1	11/7/94		Compost Analyses

## 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 Mr. Chongman Lee - FDEP  
Mr. Garry Breeden - Sumter County  
Mr. Terry Hurst - Sumter County

SIGNED:   
David W. Springstead, P.E.

# Central Testing Laboratory

Engineering and Materials Testing

RECEIVED  
NOV 10 1994

Reply to:  
Leesburg

November 7, 1994

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Mr. Garry Breeden, Director of Public Works  
Sumter County Board of County Commissioners  
Department of Public Works  
222 East McCollum Avenue  
Bushnell, Florida 33513

RE: Compost Analyses  
Sumter County Solid Waste Management Facility  
970770.401

Dear Mr. Breeden:

One (1) composite compost sample was collected for the purpose of analyses and classification, September 23, 1994, at the above referenced facility. The samples were analyze and classified in accordance with Florida Administrative Code (F.A.C.) Chapter 17-709, titled Criteria for the Production and Use of Compost Made from Solid Waste.

The sample was classified as follows:

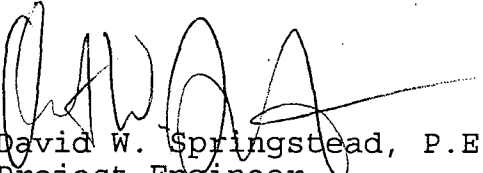
1. COMPOSITE SAMPLE - Type B

Copies of the results of the analyses and the chain-of-custody form are attached.

We hope that the provided information meets your needs at the present time. Should you have any questions, or if you require additional information, please contact our office.

Very truly yours,

CENTRAL TESTING LABORATORY

  
David W. Springstead, P.E.  
Project Engineer  
Florida Reg. No. 48229  
DWS:jad





Environmental Certification  
HRS #E83079

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH STREET  
LEESBURG, FL 34748  
ATT: JAMES DUNAWAY

'94 OCT 31 PM 1 19

VED

**ENVIROLAB**  
1032 U.S. Highway One, North  
P.O. Box 468  
Ormond Beach, Florida 32175  
(904) 672-5668  
Fax (904) 673-4001  
Drinking Water Certification  
HRS #83160

JAD

Submission #: 9409000481  
Date Received: 09/26/94  
Date Reported: 10/20/94

Client PO Number:  
Project Number:  
Project: SUMTER CO. COMP.

Page 1

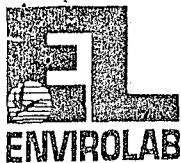
Order Number: 64026  
Date Sampled: 09/23/94  
Client Sample Number: 1  
Sample Description: COMPOST

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
	FOREIGN MATTER	%	3.3	JB	10/14/94	
150.1	PH LAB	UNITS	8.5	NB	09/29/94	
160.3	MOISTURE	%	50	CM	09/28/94	
160.3	TOTAL RESIDUE	%	50	CM	09/28/94	
160.4	TOTAL VOLATILE SOLIDS	%	25	CM	09/28/94	
160.4	REDUCTION IN ORGANIC MATTER	%	76	CM	09/28/94	
351.3	TOTAL KJELDAHL NITROGEN	MG/KG	4400	JSB	09/29/94	
353+351	TOTAL NITROGEN	MG/KG	4400	SS	10/12/94	
353.2	OXIDIZED NITROGEN	%	<0.01	FL	10/12/94	
365.1	TOTAL PHOSPHOROUS	%	0.021	RM	09/29/94	
7130	CADMIUM	MG/KG	2.1	BB	10/04/94	
7210	COPPER	MG/KG	36	BB	10/04/94	
7420	LEAD	MG/KG	90	BB	10/04/94	
7520	NICKEL	MG/KG	18	BB	10/03/94	
7950	ZINC	MG/KG	720	BB	10/04/94	

Order Number: 64027  
Date Sampled: 09/23/94  
Client Sample Number: 2  
Sample Description: FECAL-A

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	58	CM	09/28/94	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	>2400	ATK	09/27/94	





Environmental Certification  
HRS #E83079

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATT: JAMES DUNAWAY

## ENVIROLAB

1032 U.S. Highway One, North  
P.O. Box 468  
Ormond Beach, Florida 32175  
(904) 672-5668  
Fax (904) 673-4001  
Drinking Water Certification  
HRS #83160

Submission #: 9409000481  
Date Received: 09/26/94  
Date Reported: 10/20/94

Client PO Number:  
Project Number:  
Project: SUMTER CO. COMP.

Page 2

Order Number: 64028  
Date Sampled: 09/23/94  
Client Sample Number: 3  
Sample Description: FECAL-B

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	49	CM	09/28/94	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	240	ATK	09/27/94	

Order Number: 64029  
Date Sampled: 09/23/94  
Client Sample Number: 4  
Sample Description: FECAL-C

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	53	CM	09/28/94	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	240	ATK	09/27/94	

QC ACCEPTABLE

OCT 20 1994

R.A. ELEFRITZ, SR.

*Katherine M. Bevirt*  
F. Guzman / K. Bevirt  
Vice-President / Asst. Lab Director

# ENVIROLAB

## SAMPLE KIT CHAIN OF CUSTODY

Project: Sumter Co. Compost Facility  
 Client: Springsted Engineers Date: 9-14-94  
 Address: 424 S. 14th St. Person Spoken To: Jim Duncanson  
Heesburg, IL 34748 # of Samples:             
 Phone: (904) 784-1114 Blanks Req'd:            Equip.            Field            Trip           

Quantity	Container Type	Applicable Samples	Quantity	Container Type	Applicable Samples
	1/2 gal. plastic plain			125 ml plastic	
	quart plastic plain			4 oz. amber plain	
	quart plastic HNO3		<u>(3)</u>	quart amber plain	<u>2 Compost</u> <u>1 Rain</u>
	quart plastic H2SO4			quart amber H2SO4	
	quart plastic NaOH			quart amber ascorbic	
	pint plastic plain			gallon amber plain	
	pint plastic HNO3			40 ml vial	
	2 oz. plastic HCl		<u>(3)</u>	micro. container	
	2 oz. plastic H2SO4				

Analyses Required: cd Cu Pb Ni Zn NOX TKN TOTN TP TS  
TVS, PH, % Foreign Matter, % Moisture, EC (mN)  
(2-4)

(Needs Sample Kit A.S.A.P.)

Date Sampled: 9/23/94 Time: 12:00 By: David L. Smith  
 Kit checked by: J.T. Signed by: David L. Smith

Shipped by: UPS Guaranteed 1-23-94 PM

Date shipped: 9/14/94

Rel'd by: M. Clements Rec'd by:           

Rel'd by: ELAB Rec'd by:           

Comments: (1) Compost, (2) Fecal A, (3) Fecal B, (4) Fecal

Ref # 9409-481 (1-4)

Solid = c(mN) of TS %

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:

January 10, 1995

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue 33513

Rec'd  
1/17/95

RE: Fourth Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the fourth quarter classification testing for the compost produced at the above referenced facility. One composite compost sample was collected for the purpose of analysis and classification on December 8, 1994 at the facility. The sample was analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

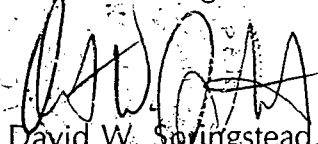
Based on the attached results, the sample was classified as **Type C**. All parameters met the Type A classification except foreign matter which was determined to be 6.7 percent.

Central Testing Laboratory performed an additional test to determine the foreign matter content based on the methodology presented in FAC Chapter 62-709. The results of the testing showed that the foreign matter content was measured to be 6.6 percent. This confirms that the compost is classified as Type C, as specified in Chapter 62-709.

If this material can be screened and retested to reduce the foreign matter content, the material can be reclassified.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very truly yours,  
Central Testing Laboratory

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

Attachments

cc: Mr. Terry Hurst

P.O. Box 883  
Floral City, Florida 34436  
(904) 726-6447

Hernando County  
(904) 796-0035

727 S. 14th Street  
Leesburg, FL 34748  
(904) 787-1268

Sumter County  
(904) 793-3639

1725 SW 17th Street  
Ocala, FL 34474  
(904) 622-1186





SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATT: JAMES DUNAWAY

Submission #: 9412000183  
Date Received: 12/09/94  
Date Reported: 12/23/94

Client PO Number:  
Project Number: 92-1100.00  
Project: SUMTER COUNTY

Page 1

Order Number: 69509  
Date Sampled: 12/08/94  
Client Sample Number: 1  
Sample Description: COMPOST

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
	FOREIGN MATTER	%	6.7	JB	12/20/94	
150.1	PH LAB	UNITS	8.5	SS	12/09/94	17:45
160.3	MOISTURE	%	46	JB	12/20/94	
160.3	TOTAL RESIDUE	%	54	LL	12/12/94	
160.4	REDUCTION IN ORGANIC MATTER	%	89	JB	12/20/94	
160.4	TOTAL VOLATILE SOLIDS	%	25	LL	12/12/94	
351.3	TOTAL KJELDAHL NITROGEN	MG/KG	0.39	CAM	12/15/94	
353+351	TOTAL NITROGEN	MG/KG	10	CAM	12/19/94	
353.2	OXIDIZED NITROGEN	%	<0.01	JB	12/13/94	
365.1	TOTAL PHOSPHOROUS	%	0.028	WKB	12/14/94	
7130	CADMIUM	MG/KG	2.5	AKM	12/14/94	
7210	COPPER	MG/KG	180	BB	12/12/94	
7420	LEAD	MG/KG	130	AKM	12/14/94	
7520	NICKEL	MG/KG	18	AKM	12/14/94	
7950	ZINC	MG/KG	790	AKM	12/14/94	

Order Number: 69511  
Date Sampled: 12/08/94  
Client Sample Number: 2  
Sample Description: FECAL-A

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	46	LL	12/12/94	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	3500.	ATK	12/09/94	

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATT: JAMES DUNAWAY

Submission #: 9412000183  
Date Received: 12/09/94  
Date Reported: 12/23/94

Client PO Number:  
Project Number: 92-1100.00  
Project: SUMTER COUNTY

Page 2

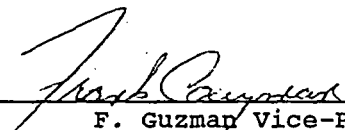
Order Number: 69512  
Date Sampled: 12/08/94  
Client Sample Number: 3  
Sample Description: FECAL-B

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	53	LL	12/12/94	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	1700.	ATK	12/09/94	

Order Number: 69513  
Date Sampled: 12/08/94  
Client Sample Number: 4  
Sample Description: FECAL-C

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	56	LL	12/12/94	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	1600.	ATK	12/09/94	

QC ACCEPTABLE

  
F. Guzman Vice-President

DEC 23 1994

R.A. ELEFRITZ, SR.

Bob LB  
Steve AN

SUMTER COUNTY SOLID WASTE

P.O. BOX 1066

BUSHNELL, FL. 33513

D.E.P.

APR 10 1995

SOUTHWEST DISTRICT  
TAMPA

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

April 6, 1995

Dear Ms. Pelz:

This letter is in response to the Consent Order, OGC Case #94-3559, specifically paragraph #9.

Sumter County has removed, from the lined cell, 6,033 total cu. yds. of fluff, during the first quarter.

The amount of compost produced in the first quarter of 1995, was 176.5 cu. yds.

All of the compost produced in the first quarter of 1995, went to the Road & Bridge Dept. for their use.

Attached to this letter, you will find the first quarter 1995, compost test results.

I sincerely hope the information contained herein will benefit you in keeping track of our progress in emptying the lined cell.

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

Sincerely,



Terry Hurst  
Facility Manager

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:

March 3, 1995

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue 33513

RE: First Quarter Compost Testing Results  
Sumter County Solid Waste Facility

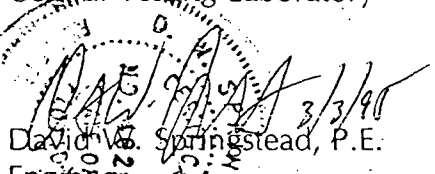
Dear Mr. Breeden:

Central Testing Laboratory has received the results of the first quarter classification testing for the compost produced at the above referenced facility. One composite compost sample was collected for the purpose of analysis and classification on February 15, 1995 at the facility. The sample was analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, the sample was classified as **Type A**. All parameters met the Type A classification.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very truly yours,  
Central Testing Laboratory

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

Attachments

cc: Mr. Terry Hurst



P.O. Box 883  
Floral City, Florida 34436  
(904) 726-6447

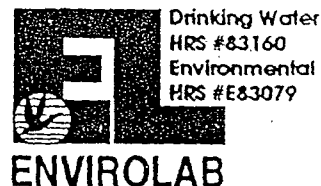
Hernando County  
(904) 796-0035

727 S. 14th Street  
Leesburg, FL 34748  
(904) 787-1268

Sumter County  
(904) 793-3639

1725 SW 17th Street  
Ocala, FL 34474  
(904) 622-1186





SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

Submission #: 9502000301  
Date Received: 02/16/95  
Date Reported: 02/28/95

Client PO Number:  
Project Number:  
Project:

Page 1

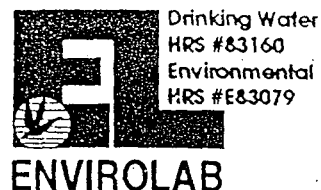
Order Number: 74470  
Date Sampled: 02/15/95  
Client Sample Number: 1  
Sample Description: SUMTER CO. LANDFILL-COMPOST

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
	FOREIGN MATTER	%	1.0	JB	02/27/95	
150.1	PH LAB	UNITS	8.0	JDM	02/17/95	
160.3	MOISTURE	%	46	JW	02/20/95	
160.3	TOTAL RESIDUE	%	54	JW	02/18/95	
160.4	REDUCTION IN ORGANIC MATTER	%	91	JB	02/27/95	
160.4	TOTAL VOLATILE SOLIDS	%	70	JW	02/18/95	
351.3	TOTAL KJELDAHL NITROGEN	MG/KG	3200	CM	02/23/95	
353+351	TOTAL NITROGEN	%	0.32	JDM	02/25/95	
353.2	OXIDIZED NITROGEN	%	<0.1	FL	02/17/95	
365.1	TOTAL PHOSPHOROUS	%	0.016	JB	02/23/95	
7130	CADMIUM	MG/KG	2.6	BB	02/22/95	
7210	COPPER	MG/KG	250	BB	02/22/95	
7420	LEAD	MG/KG	120	BB	02/22/95	
7520	NICKEL	MG/KG	36	BB	02/24/95	
7950	ZINC	MG/KG	810	BB	02/23/95	

Order Number: 74472  
Date Sampled: 02/15/95  
Client Sample Number: 2  
Sample Description: SUMTER CO. LANDFILL-A

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
60.3	TOTAL RESIDUE	%	53	JW	02/21/95	
49221E	FECAL COLIFORM MPN SOLID	MPN/g	<3.8	ATK	02/16/95	





SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

Submission #: 9502000301  
Date Received: 02/16/95  
Date Reported: 02/28/95

Client PO Number:  
Project Number:  
Project:

Page 2

Order Number: 74473  
Date Sampled: 02/15/95  
Client Sample Number: 3  
Sample Description: SUMTER CO. LANDFILL-B

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	59	JW	02/21/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	<3.4	ATK	02/16/95	

Order Number: 74474  
Date Sampled: 02/15/95  
Client Sample Number: 4  
Sample Description: SUMTER CO. LANDFILL-C

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	TOTAL RESIDUE	%	57	JW	02/21/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	<3.5	ATK	02/16/95	

QC ACCEPTABLE

*Francis Y. Huang*  
Francis Y. Huang Ph.D. / Henry N. Ashby  
Lab Director / President

FEB 28 1995

R.A. ELEFRITZ, SR.

ENVIROLAB

Sub. #9502-301

## SAMPLE KIT CHAIN OF CUSTODY

Project:	
Client: <i>Springstead Sup. Inc.</i>	Date: <i>2-9-95</i>
Address: <i>727 South 14th St.</i>	Person Spoken To: <i>David</i>
<i>Leesburg, IL 34748</i>	# of Samples: <i>COMPOST</i>
Phone: <i>904-793-3639</i>	Blanks Req'd: Equip. Field Trip

Quantity	Container Type	Applicable Samples	Quantity	Container Type	Applicable Samples
	1/2 gal. plastic plain	<i>2/15/95</i>		125 ml plastic	
	quart plastic plain			4 oz. amber plain	
	quart plastic HNO3		<i>3</i>	quart amber plain	<i>2 - compost 1 - RAW</i>
	quart plastic H2SO4			quart amber H2SO4	
	quart plastic NaOH			quart amber ascorbic	
	pint plastic plain			gallon amber plain	
	pint plastic HNO3			40 ml vial	
	2 oz. plastic HCl		<i>3</i>	micro. container	<i>leach</i>
	2 oz. plastic H2SO4				

Analyses Required: *(1) Foreign Matter, PH, Moisture, Total Residue, Reduction & Organic Matter, TVS, TKN, TN, NPK, TP, CD, Cu, Pb, Ni, Zn*  
*(2) FC MPN Solid, TotS*  
*(3) ↓ ↓ ↓ ↓*  
*(4) ↓ ↓ ↓ ↓*

Kit checked by: *K DOYENS*Shipped by: *XPS*Date shipped: *2-9-95*Rel'd by: *ENVIROLAB*Rec'd by: *Jimmy J. Shurt*Rel'd by: *Jimmy J. Shurt* *2-15-95 5:00*Rec'd by: *M. Chelmon*

Comments:

*2/16/95 1200*

# Central Testing Laboratory

RECEIVED  
OCT 16 1995

Engineering and Materials Testing

Lebanon Environmental Protection  
BY SOUTHWEST DISTRICT Reply to:

June 1, 1995

2<sup>nd</sup> Quarter 1995 Compost Test

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue 33513

RE: Second Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:


Central Testing Laboratory has received the results of the second quarter classification testing for the compost produced at the above referenced facility. One composite compost sample was collected for the purpose of analysis and classification on May 3, 1995 at the facility. The sample was analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. A second sample of compost labeled as "SCL South Pad Unscreened" was tested on compost which has undergone the compost process but had not been screened.

A spike was observed in the test results for the concentration of zinc. This information did not coincide with the zinc results from previous testing events. An additional sample of compost was obtained on May 25, 1995 to be analyzed for zinc content. The results of the second testing appeared to be more in-line with the results of previous testing.

Based on the attached results, the screened compost is classified as **Type A**. All parameters meet the Type A classification. Due to the high foreign matter content only, the unscreened compost is classified as Type "E". We recommend that this compost be screened and retested for foreign matter content.

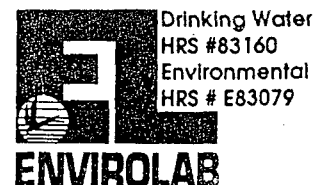
We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very truly yours,  
Central Testing Laboratory

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

Attachments

cc: Mr. Terry Hurst



CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

ANALYTICAL REPORT

Submission #: 9505000060 Client PO Number:  
Date Received: 05/04/95 Project Number:  
Date Reported: 05/15/95 Project: SUMTER CTY. LF

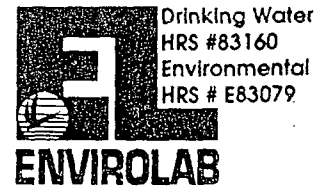
Page 1

Lab Sample Number: 80815  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL MIDDLE PAD COMPOST

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
	FOREIGN MATTER	%	0.97	JB	05/11/95	
150.1	PH LAB	UNITS	8.4	FL	05/05/95	
160.3	MOISTURE	%	51	JE	05/10/95	
160.3	TOTAL RESIDUE	%	50	JE	05/10/95	
160.4	REDUCTION IN ORGANIC MATTER	%	77	JE	05/12/95	
160.4	TOTAL VOLATILE SOLIDS	%	41	JE	05/10/95	
351.3	TOTAL KJELDAHL NITROGEN	%	0.29	FL	05/08/95	
353+351	TOTAL NITROGEN	%	0.29	FL	05/11/95	
353.2	OXIDIZED NITROGEN	%	<0.1	RG	05/08/95	
365.2	TOTAL PHOSPHOROUS	%	0.08	RG	05/06/95	
7131	CADMIUM	MG/KG	2.2	JSB	05/10/95	
7210	COPPER	MG/KG	360	BB	05/08/95	
7420	LEAD	MG/KG	2.2	JSB	05/08/95	
7520	NICKEL	MG/KG	16	BB	05/09/95	
7950	ZINC	MG/KG	2300	JSB	05/09/95	

Lab Sample Number: 80816  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL SOUTH PAD UNSCREENED COMPOST

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
	FOREIGN MATTER	%	17	JB	05/11/95	



CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

ANALYTICAL REPORT

Submission #: 9505000060  
Date Received: 05/04/95  
Date Reported: 05/15/95

Client PO Number:  
Project Number:  
Project: SUMTER CTY. LF

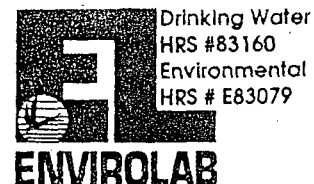
Page 2

Lab Sample Number: 80816  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL SOUTH PAD UNSCREENED COMPOST

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
150.1	PH LAB	UNITS	8.4	FL	05/05/95	
160.3	MOISTURE	%	49	JE	05/10/95	
160.3	TOTAL RESIDUE	%	51	JE	05/10/95	
160.4	REDUCTION IN ORGANIC MATTER	%	83	JE	05/12/95	
160.4	TOTAL VOLATILE SOLIDS	%	44	JE	05/10/95	
351.3	TOTAL KJELDAHL NITROGEN	%	0.43	FL	05/08/95	
353+351	TOTAL NITROGEN	%	0.43	FL	05/11/95	
353.2	OXIDIZED NITROGEN	%	<0.1	RG	05/08/95	
365.2	TOTAL PHOSPHOROUS	%	0.01	RG	05/06/95	
7131	CADMIUM	MG/KG	1.2	JSB	05/10/95	
7210	COPPER	MG/KG	200	BB	05/08/95	
7420	LEAD	MG/KG	32	JSB	05/09/95	
7520	NICKEL	MG/KG	26	BB	05/09/95	
7950	ZINC	MG/KG	690	JSB	05/09/95	

Lab Sample Number: 80817  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL MIDDLE PAD COMPOST A

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	50	JE	05/10/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	26	ATK	05/04/95	



CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

ANALYTICAL REPORT

Submission #: 9505000060 Client PO Number:  
Date Received: 05/04/95 Project Number:  
Date Reported: 05/15/95 Project: SUMTER CTY. LF

Page 3

Lab Sample Number: 80817  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL MIDDLE PAD COMPOST A

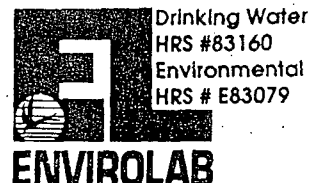
Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
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Lab Sample Number: 80818  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL MIDDLE PAD COMPOST B

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	52	JE	05/10/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	44	ATK	05/04/95	

Lab Sample Number: 80819  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL MIDDLE PAD COMPOST C

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	52	JE	05/10/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	44	ATK	05/04/95	



CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

ANALYTICAL REPORT

Submission #: 9505000060      Client PO Number:  
Date Received: 05/04/95      Project Number:  
Date Reported: 05/15/95      Project: SUMTER CTY. LF

Page 4

Lab Sample Number: 80820  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL SOUTH PAD UNSCREENED COMPOST A

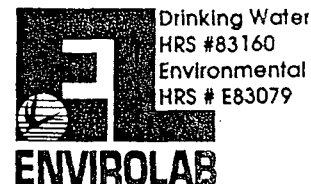
Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	46	JE	05/10/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	<4.3	ATK	05/04/95	

Lab Sample Number: 80821  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL SOUTH PAD UNSCREENED COMPOST B

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	46	JE	05/10/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	<4.3	ATK	05/04/95	

Lab Sample Number: 80822  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL SOUTH PAD UNSCREENED COMPOST C

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	44	JE	05/10/95	
SM9221E	FECAL COLIFORM MPN SOLID	MPN/g	<4.5	ATK	05/04/95	



CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

ANALYTICAL REPORT

Submission #: 9505000060      Client PO Number:  
Date Received: 05/04/95      Project Number:  
Date Reported: 05/15/95      Project: SUMTER CTY. LF

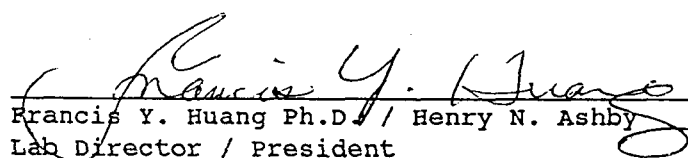
Page 5

Lab Sample Number: 80822  
Date Sampled: 05/03/95  
Client Sample Number:  
Sample Description: SCL SOUTH PAD UNSCREENED COMPOST C

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
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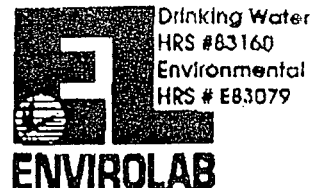
CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

  
Francis Y. Huang Ph.D. / Henry N. Ashby  
Lab Director / President







CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
ATTN: JAMES DUNAWAY

ANALYTICAL REPORT

Submission #: 9505000375  
Date Received: 05/25/95  
Date Reported: 05/31/95

Client PO Number:  
Project Number:  
Project: SUMTER COUNTY

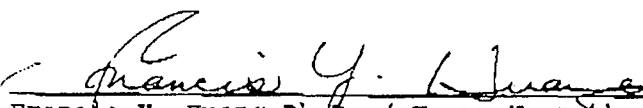
Page 1

Lab Sample Number: 82206  
Date Sampled: 05/24/95  
Client Sample Number: 1  
Sample Description: CS #1

Method	Component	Units	Result	Analyst	Date Analyzed	Date Prepared
160.3	PERCENT SOLID	%	50	JE	05/26/95	
289.1	ZINC	MG/KG	760	JB	05/30/95	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

  
Francis Y. Huang Ph.D. / Henry N. Ashby  
Lab Director / President

T \_\_\_\_\_  
- I \_\_\_\_\_  
- A \_\_\_\_\_ Solid Waste Management Consultants, Inc.

October 12, 1995

**RECEIVED**  
OCT 16 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Ms. Susan J. Pelz  
Department of Environmental Protection  
Solid Waste Division  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Re: Sumter County Quarterly Compost Reports  
TIA Project No. 06-06.170

Dear Ms. Pelz:

TIA Solid Waste Management Consultants, Inc. (TIA) was retained by Sumter County to provide technical assistance on the preparation of the 1995-1996 Solid Waste Recycling and Education Grant Application. During the preparation of the grant application, an administrative error was identified in the second quarter compost report submitted to the Department of Environmental Protection on July 10, 1995.

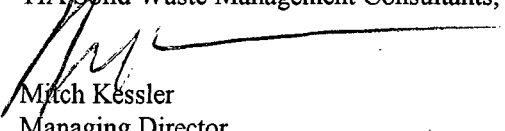
The second quarter compost report stated that 2,046 cubic yards of compost was produced in the second quarter of 1995. Based upon TIA's review of the County's records, an additional 6,033 cubic yards of Class A compost was actually produced. The records for the 6,033 cubic yards was inadvertently placed in the third quarter files. In response, enclosed is a revised second quarter compost report from Sumter County stating that 8,079 cubic yards of compost were produced.

On behalf of the County, TIA apologizes for any inconvenience this reporting oversight may have caused. The County has recently purchased a computer system designed by Precision Scale called "Truckway Weight" which includes a comprehensive tracking system and database which should prevent future problems in this regard. The County is continuing to make significant progress in removing fluff from the lined cell. In accordance with the Consent Order, the County anticipates removing all of the fluff from the lined cell by the March 31, 1996 deadline.

Should you have any questions on the revised second quarter compost report or the progress of the project, please do not hesitate to contact me.

Sincerely,

TIA Solid Waste Management Consultants, Inc.

  
Mitch Kessler  
Managing Director


MK/bsp

Enclosures

cc: Garry Breeden, Sumter County Public Works  
Terry Hurst, Sumter County SWCPRF

10012 N. Dale Mabry Highway, Suite 223, Tampa, Florida 33618  
Telephone 813-264-7240 • Fax 813-265-8140

ST14:SP101195.LTR

 printed on recycled paper

# SUMTER COUNTY PUBLIC WORKS

319 EAST ANDERSON AVENUE  
BUSHNELL, FL 33515

GARRY BREEDEN  
DIRECTOR

TOMMY HURST  
ASSISTANT DIRECTOR

TELEPHONE: (904) 793-0240

FACSIMILE: (904) 793-0247

October 12, 1995

Ms. Susan J. Pelz  
Department of Environmental Protection  
Solid Waste Division  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

D.E.P.  
OCT 16 1995  
SOUTH FLORIDA  
TAMPA

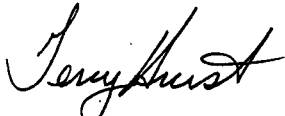
Dear Ms. Pelz:

Based upon Sumter County's solid waste management consultant, TIA Solid Waste Management Consultants, Inc. (TIA), review of the County's compost records, a reporting error was identified for the second quarter of 1995. As a result, the County has corrected the mistake and has enclosed a revised copy of the second quarter compost result.

In accordance with Consent Order, OGC Case #94-3559, paragraph #9, the County removed 5,550 cubic yards of fluff from the lined cell during the second quarter and produced 8,079 cubic yards of Class A compost. The Road and Bridge Department utilized all of the compost produced. The compost test results previously submitted by the County pertain to the subject material and have been included.

I sincerely hope the information contained herein will benefit you in keeping track of the County's progress towards emptying the lined cell by the May 31, 1996 target date. If you have any questions, please feel free to contact me anytime at 904-793-3368.

Sincerely,



Terry Hurst  
Facility Manager

TH/bsp

cc: Garry Breedon, Director, Sumter County Public Works  
Mitch Kessler, TIA Solid Waste Management Consultants, Inc.

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:

September 28, 1995

3rd Quarter 1995

**RECEIVED**  
OCT 16 1995

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

RE: Third Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the third quarter classification testing for the compost produced at the above referenced facility. One composite compost sample was collected for the purpose of analysis and classification on August 23, 1995 at the facility. The sample was analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, the compost is classified as **Type B**. All Parameters met the Type A classification except foreign matter which was determined to be 3.4 percent. 62-709.600, Criteria for the Use of Compost, states compost classified as Types B or C shall be restricted to use by commercial, agricultural, institutional or governmental operations. However, if it is used where contact with the general public is likely, such as in a park, only Type B may be used.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory

*Judi M. Kelch*

Judi M. Kelch  
Environmental Technician

*David W. Springstead* 9/28/95  
David W. Springstead, P.E.  
Engineer  
Florida Reg. No. 48229

Attachments

cc: Mr. Terry Hurst

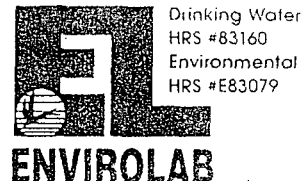


# AMENDED REPORT

Original Report Date 8-31-95

Revisions Include Foreign  
matter results

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
Attn: JAMES DUNAWAY



## ANALYTICAL REPORT

Page 1

Submission Number: 9508000276 Client's P.O. Number:  
Date Received: 08/24/95 Project Number:  
Date Reported: 09/25/95 Project Name: SUMTER COUNTY LANDFILL

Lab Sample Number: 8276 1 Date Sampled: 08/23/95  
Client Sample Number: COMPOST 1 Sample Matrix: SOLID  
Sample Description: COMPOST MIDDLE PAD UNSCREENED

Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	64.0		%	PJ	08/31/95	
9040A	pH	8.75		UNIT	CAM	08/24/95	
160.4	TOTAL VOLATILE SOLIDS	20		%	PJ	08/31/95	
SM2540G	TOTAL PERCENT SOLIDS	64.0		%	PJ	08/31/95	
DEP	FOREIGN MATTER	3.4		%	CAM	08/31/95	
160.4	REDUCTION OF ORGANIC MATTER	81		%	JDM	08/31/95	
9200	NITROGEN - NO3/NO2 (NOX)	<0.10	D	%	FL	08/25/95	
351.3	TOTAL KJELDAHL NITROGEN (TKN)	0.28	D	%	FL	08/30/95	
365.2	TOTAL PHOSPHORUS	0.060		%	CAM	08/29/95	
351+353	NITROGEN - TOTAL (TN)	0.28		%	FL	08/31/95	
7130	CADMIUM	<1.2		MG/KG	JB	08/25/95	
7210	COPPER	110		MG/KG	JB	08/25/95	
7420	LEAD	68		MG/KG	JB	08/25/95	
7520	NICKEL	23		MG/KG	JB	08/25/95	
7950	ZINC	560		MG/KG	JB	08/25/95	

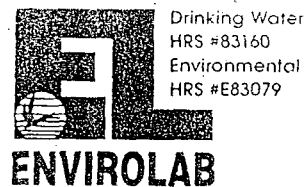
### Data Qualifier Code Key:

D - Sample Was Diluted And Result Corrected With Dilution Factor.

Lab Sample Number: 8276 2 Date Sampled: 08/23/95  
Client Sample Number: FECAL A Sample Matrix: SOLID  
Sample Description: COMPOST

Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	71.0		%	PJ	08/31/95	
SM9221E	FECAL COLIFORM (MPN)	2.8		MPN/g	ATK	08/24/95	

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
Attn: JAMES DUNAWAY



ANALYTICAL REPORT

Page 2

Submission Number: 9508000276      Client's P.O. Number:  
Date Received: 08/24/95      Project Number:  
Date Reported: 09/25/95      Project Name: SUMTER COUNTY LANDFILL

Lab Sample Number: 8276 3      Date Sampled: 08/23/95  
Client Sample Number: FECAL B      Sample Matrix: SOLID  
Sample Description: COMPOST

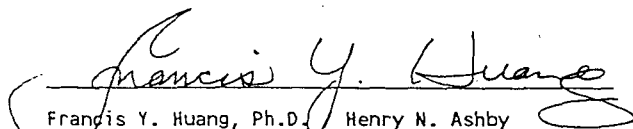
Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	63.0		%	PJ	08/31/95	
SM9221E	FECAL COLIFORM (MPN)	<3.2		MPN/g	ATK	08/24/95	

Lab Sample Number: 8276 4      Date Sampled: 08/23/95  
Client Sample Number: FECAL C      Sample Matrix: SOLID  
Sample Description: COMPOST

Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	79.0		%	PJ	08/31/95	
SM9221E	FECAL COLIFORM (MPN)	18		MPN/g	ATK	08/24/95	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

  
Francis Y. Huang, Ph.D.      Henry N. Ashby  
Lab Director / President



Envirolab  
P. O. Box 468 • 8 East Tower Circle  
Ormond Beach, Florida 32175 - 0468  
904/672 - 5668 • FAX 904/673 - 4001

# CHAIN OF CUSTODY RECORD

No.E 03406

Page \_\_\_\_ of \_\_\_\_

(INSTRUCTIONS ON BACK)

FOR LAB USE ONLY

Temp. of Contents: \_\_\_\_\_ ° C for ROI

Condition of Contents: OK

Condition of Seals: \_\_\_\_\_

FOR LAB USE ONLY

Submission No.

9508-276

1. Client: (Company & individual)

Jud: Kelch  
Springstead Engineering

Address: 727 S. 14th St.

City Leesburg State FL Zip Code 34748

Phone: 904-787-1414

Fax: ( 787-7221 )

FOR LAB USE ONLY  
Profile No.:

2. Report to: (If different from above)

Address:

Phone: ( )

Quote No.:

City

State

Zip Code

Fax: ( )

3. Client Project Name:

Sumter co. Landfill

4. Client Project No:

5. P. O. No.:

6. Custody Seal No.:

7. Sampled by:

J. Kelch

WATER SAMPLE  
CODES ( FOR  
ITEM 13):

DW = drinking water  
GW = ground water  
PW = process water  
SW = surface water  
WW = waste water  
O = other

CONTAINER TYPES  
(FOR ITEM 15):

V = VOA vial  
G = glass  
P = plastic  
O = other

8. SHIPPING METHOD:

☐ UPS  
☐ FEDEX  
☐ Hand Carried  
☐ Other

15. Container Type:

G G P

14. 16.

No. of Containers

Analyses Requested  
X See Sample Chain  
attached  
FC map

17. Report Type

☐ Routine  
☐ With QC  
☐ Special Forms

18. Turnaround Time

☐ Standard  
☐ Rush:

ITEM

9. SAMPLE  
I. D. (NO.)

10. SAMPLE DESCRIPTION

11.

DATE

TIME

12. Comp.  
Grab

13. Water  
(code)

Soil

Sludge

Other

19. REMARK

LAB USE ONLY  
LAB. SAMPLE NO.

①

Compost ①

compost - middle pad  
discrepancy

8/23

1:00

X

1

②

Fluff ②

fluff

8/23

1:00

X

1

③

Fecal 3 ③

compost

8/23

1:00

X

3

X

④

⑤

⑥

⑦

⑧

⑨

⑩

20. RELINQUISHED BY

DATE

TIME

21. RECEIVED BY

DATE

TIME

LAB USE ONLY

SAMPLING FEE: \_\_\_\_\_ HRS.

SAMPLE RECEIVING NOTE:

①

Jud: Kelch

8-23-95

2:00

R. Duval

8-24-95

12:10

②

③



# Central Testing Laboratory

RECEIVED  
JAN 12 1996

Engineering and Materials Testing

Department of Environmental Protection  
SOUTHWEST DISTRICT

Reply to:

BY

November 7, 1995

4<sup>th</sup> Quarter 1995 Compost Test

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

RE: Fourth Quarter Compost Testing Results  
Sumter County Solid Waste Facility

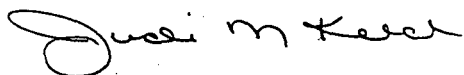
Dear Mr. Breeden:

Central Testing Laboratory has received the results of the fourth quarter classification testing for the compost produced at the above referenced facility. One composite compost sample was collected for the purpose of analysis and classification on October 23, 1995 at the facility. The sample was analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

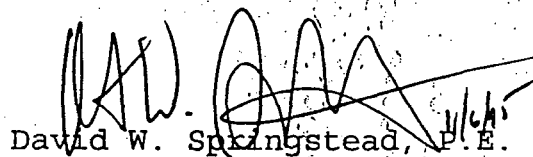
Based on the attached results, the compost is classified as **Type B**. All Parameters met the Type A classification except foreign matter which was determined to be 3.2 percent. 62-709.600, Criteria for the Use of Compost, states compost classified as Types B or C shall be restricted to use by commercial, agricultural, institutional or governmental operations. However, if it is used where contact with the general public is likely, such as in a park, only Type B may be used.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician



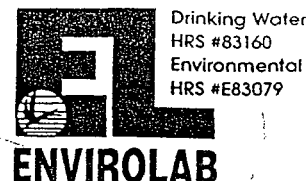
David W. Springstead, P.E.  
Engineer  
Florida Reg. No. 48229

Attachments

cc: Mr. Terry Hurst



CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
Attn: JIMMY STREET



ANALYTICAL REPORT

Page 1

Submission Number: 9510000225  
Date Received: 10/24/95  
Date Reported: 10/31/95

Client's P.O. Number:  
Project Number:  
Project Name: SUMTER MSW

Lab Sample Number: 10225 2  
Client Sample Number: MSW-2A  
Sample Description: COMPOST

Date Sampled: 10/23/95  
Sample Matrix: SOLID

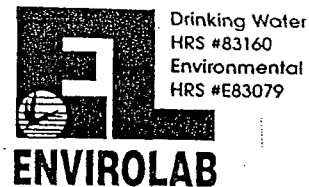
Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
9040A	pH	7.97		UNIT	CM	10/25/95	
160.4	TOTAL VOLATILE SOLIDS	16		%	CM	10/31/95	
SM2540G	TOTAL PERCENT SOLIDS	68.0		%	CM	10/31/95	
DEP	FOREIGN MATTER	3.2		%	CM	10/31/95	
160.4	REDUCTION OF ORGANIC MATTER	94		%	JDM	10/31/95	
9200	NITROGEN - NO3/NO2 (NOX)	<0.010		%	FL	10/30/95	
351.3	TOTAL KJELDAHL NITROGEN	0.27		%	CM	10/28/95	
365.2	TOTAL PHOSPHORUS	0.032		%	LL	10/26/95	
351+353	NITROGEN - TOTAL (TN)	0.27		%	CM	10/30/95	
7130	CADMIUM	<1.2		MG/KG	JB	10/26/95	
7210	COPPER	82		MG/KG	BB	10/25/95	
7420	LEAD	82		MG/KG	BB	10/25/95	
7520	NICKEL	34		MG/KG	JB	10/30/95	
7950	ZINC	460		MG/KG	JB	10/26/95	

Lab Sample Number: 10225 3  
Client Sample Number: MSW-3A1  
Sample Description: COMPOST

Date Sampled: 10/23/95  
Sample Matrix: SOLID

Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	72.0		%	KJG	10/26/95	
SM9221E	FECAL COLIFORM (MPN)	<2.8		MPN/g	ATK	10/24/95	

CENTRAL TESTING LAB  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
Attn: JIMMY STREET



ANALYTICAL REPORT

Page 2

Submission Number: 9510000225      Client's P.O. Number:  
Date Received: 10/24/95      Project Number:  
Date Reported: 10/31/95      Project Name: SUMTER MSW

Lab Sample Number: 10225 4      Date Sampled: 10/23/95  
Client Sample Number: MSW-3A2      Sample Matrix: SOLID  
Sample Description: COMPOST

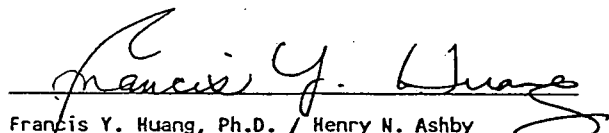
Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	67.0		%	KJG	10/26/95	
SM9221E	FECAL COLIFORM (MPN)	<3.0		MPN/g	ATK	10/24/95	

Lab Sample Number: 10225 5      Date Sampled: 10/23/95  
Client Sample Number: MSW-3A3      Sample Matrix: SOLID  
Sample Description: COMPOST

Method	Analyte	Result	Q	Unit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	69.0		%	KJG	10/26/95	
SM9221E	FECAL COLIFORM (MPN)	<2.9		MPN/g	ATK	10/24/95	

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

  
Francis Y. Huang, Ph.D. / Henry N. Ashby  
Lab Director / President



Envirolab  
P. O. Box 468 • 8 East Tower Circle  
Ormond Beach, Florida 32175 - 0468  
904/672 - 5668 • FAX 904/673 - 4001

# CHAIN OF CUSTODY RECORD

No. E 07027

Page \_\_\_\_ of \_\_\_\_

(INSTRUCTIONS ON BACK)

## FOR LAB USE ONLY

Temp. of Contents: AMB °C (or ROI)

Condition of Contents: OK

Condition of Seals: OK

## FOR LAB USE ONLY

Submission No.

9510-225

1. Client: (Company & Individual)

Central Testing\*

Address: 727 S. 14th St.

Phone: (904) 787-1266

## FOR LAB USE ONLY

Profile No.:

City Leesburg State FL Zip Code 34748

Fax: (904) 787-7221

2. Report to: (if different from above)

Address:

Phone: ( )

Quote No.:

City State Zip Code

Fax: ( )

3. Client Project Name:

Sumber msw

4. Client Project No:

5. P. O. No.:

6. Custody Seal No.:

7. Sampled by: Juani Keel

## WATER SAMPLE CODES (FOR ITEM 13):

DW = drinking water  
GW = ground water  
PW = process water  
SW = surface water  
WW = waste water  
O = other

## CONTAINER TYPES (FOR ITEM 15):

V = VOA vial  
G = glass  
P = plastic  
O = other

## 8. SHIPPING METHOD:

☐ UPS  
☒ FEDEX  
☐ Hand Carried  
☐ Other

15. Container Type:

14. 16.

No. of Containers

Analyses Requested  
03 per FDEP  
62-709.5204 (6/6/95)  
fecal

17. Report Type

☒ Routine  
☐ With QC  
☐ Special Forms

18. Turnaround Time

☒ Standard  
☐ Rush:  
10/27/95

ITEM	9. SAMPLE I. D. (NO.)	10. SAMPLE DESCRIPTION	11. DATE	TIME	12. Comp. Grab	13. Water (code)	Soil	Sludge	Other	14. No. of Containers	15. Container Type	16. Analyses Requested	17. Report Type	18. Turnaround Time	19. REMARK
①	msw-1A	Fluff	10-23	11:00	✓				✓	1	✓	✓	<input checked="" type="checkbox"/> Routine		one location
②	msw-2A	compost	10-23	11:00	✓				✓	1	✓	✓	<input type="checkbox"/> With QC		sampled for
③	msw-3A	compost	10-23	11:00	✓				✓	3		✓	<input type="checkbox"/> Special Forms		this test
④															
⑤															
⑥															request a
⑦															rush by the
⑧															beg. of next
⑨															week if poss. ble
⑩															

20. RELINQUISHED BY

DATE

TIME

21. RECEIVED BY

DATE

TIME

## LAB USE ONLY

SAMPLING FEE: \_\_\_\_\_ HRS.

SAMPLE RECEIVING NOTE:

\*Client Springfield Eng

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:

January 22, 1996

Leesburg

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

*Rec'd 4/12/96*

RE: First Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on January 2, 1996 at the facility. Due to inconsistent test results for foreign matter content, additional samples were collected for retesting. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, the compost is classified as **Type C**. All Parameters met the Type A classification except foreign matter which was determined to be 8.5 percent and 5.8 percent. 62-709.600, Criteria for the Use of Compost, states compost classified as Types B or C shall be restricted to use by commercial, agricultural, institutional or governmental operations. However, if it is used where contact with the general public is likely, such as in a park, only Type B may be used.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory

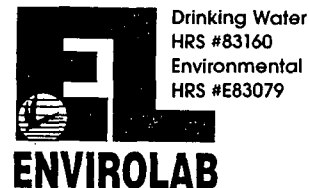
*Judi M. Kelch*

Judi M. Kelch  
Environmental Technician

*David W. Springstead* 1/22/96  
David W. Springstead, P.E.  
Engineer  
Florida Reg. No. 48229

Attachments  
cc: Mr. Terry Hurst

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
Attn: JAMES DUNAWAY



ANALYTICAL REPORT

Page 1

Submission Number: 9601000022 Client's P.O. Number:  
Date Received: 01/03/96 Project Number:  
Date Reported: 01/09/96 Project Name: SUNTER CO. LANDFILL

Lab Sample Number: 1022 1 Date Sampled: 01/02/96  
Client Sample Number: 1 Sample Matrix: SOLID  
Sample Description: COMPOST

Method	Analyte	Result	Q	Unit	Detection Limit	Analyst	Date Analyzed	Date Prepared
9040A	pH	8.59		UNIT	0	FL	01/04/96	
160.4	TOTAL VOLATILE SOLIDS	19		%	0.010	PJ	01/05/96	
SM2540G	TOTAL PERCENT SOLIDS	60.0		%	0	PJ	01/05/96	
DEP	FOREIGN MATTER	19		%	0.010	FL	01/08/96	
160.4	REDUCTION OF ORGANIC MATTER	97		%	0.010	JM	01/09/96	
9200	NITROGEN - NO3/NO2 (NOX)	<0.010		%	0.010	FL	01/04/96	
351.3	TOTAL KJELDAHL NITROGEN	<0.0010		%	0.0010	FL	01/08/96	
365.2	TOTAL PHOSPHORUS	0.020		%	0.00025	LL	01/05/96	
351+353	NITROGEN - TOTAL (TN)	<0.0010		%	0.0010	JM	01/09/96	
7130	CADMIUM	<1.2		mg/kg	1.2	JB	01/05/96	
7210	COPPER	100		mg/kg	2.5	BB	01/08/96	
7420	LEAD	78		mg/kg	5.0	JSB	01/05/96	
7520	NICKEL	17		mg/kg	5.0	BB	01/08/96	
7950	ZINC	560		mg/kg	1.2	JB	01/08/96	

Lab Sample Number: 1022 2 Date Sampled: 01/02/96  
Client Sample Number: 2 Sample Matrix: SOLID  
Sample Description: COMPOST

Method	Analyte	Result	Q	Unit	Detection Limit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	55.0		%	0.0	PJ	01/05/96	
SM9221E	FECAL COLIFORM (MPN)	<3.6		MPN/g	2	ATK	01/03/96	01:15 PM

SPRINGSTEAD ENGINEERING, INC.  
727 SOUTH 14TH. STREET  
LEESBURG, FL 34748  
Attn: JAMES DUNAWAY



ANALYTICAL REPORT

Page 2

Submission Number: 9601000022  
Date Received: 01/03/96  
Date Reported: 01/09/96

Client's P.O. Number:  
Project Number:  
Project Name: SUNTER CO. LANDFILL

Lab Sample Number: 1022 3  
Client Sample Number: 3  
Sample Description: COMPOST

Date Sampled: 01/02/96  
Sample Matrix: SOLID

Method	Analyte	Result	Q	Unit	Detection Limit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	61.0		%	0.0	PJ	01/05/96	
SM9221E	FECAL COLIFORM (MPN)	<3.3		MPN/g	2	ATK	01/03/96	01:15 PM

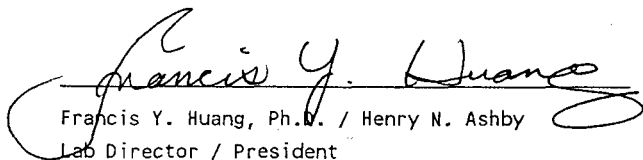
Lab Sample Number: 1022 4  
Client Sample Number: 4  
Sample Description: COMPOST

Date Sampled: 01/02/96  
Sample Matrix: SOLID

Method	Analyte	Result	Q	Unit	Detection Limit	Analyst	Date Analyzed	Date Prepared
SM2540G	PERCENT SOLID	45.0		%	0.0	PJ	01/05/96	
SM9221E	FECAL COLIFORM (MPN)	4.4		MPN/g	2	ATK	01/03/96	01:15 PM

CERTIFICATION: All analytical data reported above were obtained using the specified methods and were validated by our laboratory quality control system. This laboratory follows an approved quality assurance program.

Respectfully submitted:

  
Francis Y. Huang, Ph.D. / Henry N. Ashby  
Lab Director / President

## Sumter County Solid Waste

P.O. Box 1066 Bushnell, Florida 33513

(352) 793-3368

(352) 793-0166

RECEIVED

OCT 08 1997

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *10/9*  
Solid Waste Division  
3804 Coconut Palm Dr.  
Tampa, FL 33619-8318

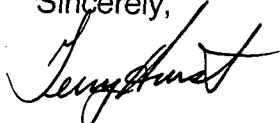
October 3, 1997

RE: Third Quarter 1997 Compost Report

Dear Ms. Pelz:

Please accept this as our quarterly report on compost production for the third quarter of 1997. Sumter County produced 1402 cu. yds. of Type "A" compost for the third quarter of 1997. Should you have any questions, please feel free to contact me at 352-793-3368.

Sincerely,



Terry Hurst,  
Solid Waste Manager

Terry Hurst, Solid Waste Manager



**Fax Cover Sheet**  
**Sumter County Solid Waste**

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

To: Susan Pelz ↓ 10/9/97

Company: DEP

From: Terry Hurst

Company: Sumter Solid Waste

Number of Pages Including Cover Sheet 4

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

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

September 16, 1997

Leesburg

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, Fl 33513

RE: Third Quarter Compost Testing Results  
Sumter County Solid Waste Facility


Dear Mr. Breeden:

Central Testing Laboratory has received the results of the third quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on August 26, 1997 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

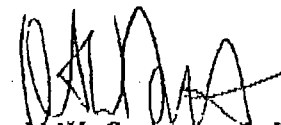
Based on the attached results, the compost is classified as Type A. All Parameters met the Type A classification. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician



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

Attachments  
cc: 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

\*\* 000-3908, 70101 \*\*

**THORNTON LABORATORIES, INC.**  
MARINE ANALYTICAL AND ENVIRONMENTAL SERVICES1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 8960, TAMPA, FLORIDA 33601-2890  
Comp/OAP# 000124, HRS# 04147, E04100, E04324TELEPHONE (813) 223-9702  
FAX (813) 223-833212-Sep-1997  
Page 1Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Compost Attn: Judi Kelch  
1-30 gallon bag of raw, predigestion, product  
Project: Sumter County Solid Waste Management Facility  
Sample Collection: Phillip Lovett on 08/26/97 @ 1500

Date Received: 29-Aug-1997

Laboratory Number: 051308

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.4	ANALYSIS ON DRY BASIS		
	Organic Matter	313	%

THORNTON LABORATORIES, INC.  
Tina Logan


**THORNTON LABORATORIES, INC.**  
 MARINE, ANALYTICAL, AND ENVIRONMENTAL SERVICES

 1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
 P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
 COMPANY# 880124, HRS# 84147, E24100, E24324

 TELEPHONE (813) 223-9702  
 FAX (813) 223-9332

 12-Sep-1997  
 Page 1

 Report For: Central Testing Laboratory  
 727 S. 14th Street  
 Leesburg, FL 34748

**Sample Identification:**

 Compost Attn: Judi Kelch  
 2-1 gallon bags of finished product  
 Project: Sumter County Solid Waste Management Facility  
 Sample Collection: Phillip Lovett on 08/26/97 @ 1500

Date Received: 29-Aug-1997

Laboratory Number: 051307

**CERTIFICATE OF ANALYSIS**

Method	Parameter	Result	Units
EPA 7130	Cadmium (Cd)	1.5	mg/Kg
EPA 3050	Moisture @105 oc	6.4	%
ANALYSIS ON DRY BASIS			
EPA/CE-81-1	Total Nitrogen	11770	mg/Kg
	Phosphorus, Total (P)	4500	mg/Kg
EPA 7610	Potassium (K)	3220	mg/Kg
EPA 7210	Copper (Cu)	376	mg/Kg
EPA 7420	Lead (Pb)	143	mg/Kg
EPA 7520	Nickel (Ni)	14	mg/Kg
EPA 7950	Zinc (Zn)	776	mg/Kg
SM 9221 E.	Fecal Coliforms	18	MPN/g dry weight
EPA 9045	pH, noncalcareous soils	7.32	
EPA 160.4	Organic Matter (550 C)	79.3	%
	Reduction in Organic Matter	**	%
Foreign Matter	Material retained on a 1/4" sieve	* 0.60	%

\* Class

\*\* Result was a negative.

 THORNTON LABORATORIES, INC.  
 Tina Logan

# *Sumter County Solid Waste*

P.O. Box 1066 Bushnell, Florida 33513

(352) 793-3368

(352) 793-0166

RECEIVED  
OCT 10 1997  
D E P

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

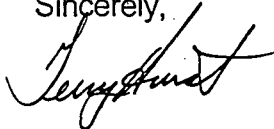
October 3, 1997

RE: Third Quarter 1997 Compost Report

Dear Ms. Pelz:

Please accept this as our quarterly report on compost production for the third quarter of 1997. Sumter County produced 1402 cu. yds. of Type "A" compost for the third quarter of 1997. Should you have any questions, please feel free to contact me at 352-793-3368.

Sincerely,



Terry Hurst,  
Solid Waste Manager

*Terry Hurst, Solid Waste Manager*

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

September 16, 1997

Leesburg

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

RE: Third Quarter Compost Testing Results  
Sumter County Solid Waste Facility

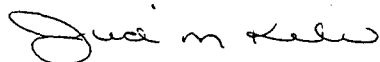
Dear Mr. Breeden:

Central Testing Laboratory has received the results of the third quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on August 26, 1997 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

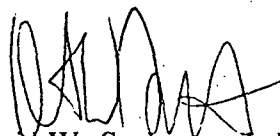
Based on the attached results, the compost is classified as **Type A**. All Parameters met the Type A classification. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician



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

Attachments  
cc: Mr. Terry Hurst





# THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, EB4100, EB4324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

12-Sep-1997  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Compost Attn: Judi Kelch  
2-1 gallon bags of finished product  
Project: Sumter County Solid Waste Management Facility  
Sample Collection: Phillip Lovett on 08/26/97 @ 1500

Date Received: 29-Aug-1997

Laboratory Number: 051307

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 7130	Cadmium (Cd)	1.5	mg/Kg
EPA 3050	Moisture @105 oC	6.4	%
ANALYSIS ON DRY BASIS			
EPA/CE-81-1	Total Nitrogen	11770	mg/Kg
	Phosphorus, Total (P)	4500	mg/Kg
EPA 7610	Potassium (K)	3220	mg/Kg
EPA 7210	Copper (Cu)	376	mg/Kg
EPA 7420	Lead (Pb)	143	mg/Kg
EPA 7520	Nickel (Ni)	14	mg/Kg
EPA 7950	Zinc (Zn)	776	mg/Kg
SM 9221 E.	Fecal Coliforms	18	MPN/g dry weight
EPA 9045	pH, noncalcareous soils	7.32	
EPA 160.4	Organic Matter (550 C)	79.3	%
	Reduction in Organic Matter	**	%
Foreign Matter	Material retained on a 1/4" sieve	* 0.60	%

\* Glass

\*\* Result was a negative.

THORNTON LABORATORIES, INC.  
Tina Logan



**THORNTON LABORATORIES, INC.**  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompOAP# 880124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-8332

12-Sep-1997  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

**Sample Identification:**

Compost Attn: Judi Kelch  
1-30 gallon bag of raw, predigestion, product  
Project: Sumter County Solid Waste Management Facility  
Sample Collection: Phillip Lovett on 08/26/97 @ 1500

Date Received: 29-Aug-1997

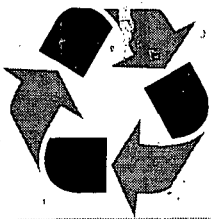
Laboratory Number: 051308

**CERTIFICATE OF ANALYSIS**

Method	Parameter	Result	Units
EPA 160.4	ANALYSIS ON DRY BASIS		
	Organic Matter	313	%

THORNTON LABORATORIES, INC.  
Tina Logan





proj 22926

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

## Sumter County Solid Waste

**RECEIVED**  
JAN 05 1998  
SOUTHWEST DISTRICT

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *J 1/6*  
Solid Waste Division  
3804 Coconut Palm Dr.  
Tampa, FL 33619-8318

Jan. 2, 1998

RE: Fourth Quarter 1997 Compost Report

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the fourth quarter of 1997. Sumter County produced 2866 cu. yds. of Type "A" compost for the fourth quarter of 1997. Should you have any questions, please feel free to contact me.

Sincerely,

Terry Hurst  
Solid Waste Manager

*Terry Hurst, Solid Waste Manager*

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

RECEIVED  
JAN 05 1998

Reply to:

November 21, 1997

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

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

RE: Fourth Quarter Compost Testing Results  
Sumter County Solid Waste Management Facility

Dear Mr. Breeden:

Central Testing Laboratory (CTL) has received the results from the fourth quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on October 10, 1997 at the facility. Due to inconsistent test results for foreign matter content, additional samples were collected for retesting. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

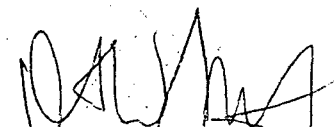
Based on the attached results, the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician



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

11/21/97





# THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702

FAX (813) 223-9332

29-Oct-1997

Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Finished Product attn: Judy Kelch

Date Received: 13-Oct-1997

Laboratory Number: 056549

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture @105 oC	51.5	%
ANALYSIS ON DRY BASIS			
EPA/CE-81-1	Total Nitrogen	10720	mg/Kg
	Phosphorus, Total (P)	2890	mg/Kg
EPA 7610	Potassium (K)	3080	mg/Kg
EPA 160.4	Organic Matter (550 C)	68.9	%
	Reduction in Organic Matter	18.0	%
ASTM E-70	pH Value	8.47	
	Extraction Dilution	1/10	
EPA 7130	Cadmium (Cd)	1.2	mg/Kg
EPA 7210	Copper (Cu)	153	mg/Kg
EPA 7420	Lead (Pb)	130	mg/Kg
EPA 7520	Nickel (Ni)	13	mg/Kg
EPA 7950	Zinc (Zn)	566	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	<4	
	Foreign Matter	5.7	%
	consisting of glass, wood, and large pieces of compost.		

THORNTON LABORATORIES, INC.  
Tina Logan



# THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

30-Oct-1997  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Raw product attn: Judy Kelch

Date Received: 13-Oct-1997

Laboratory Number: 056550

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Crude Moisture (105 oC) ANALYSIS ON DRY BASIS	29.95	%
EPA 160.4	Organic Matter	86.9	%
EPA/CE-81-1	Total Nitrogen (N)	1.68	%
	C/N Ratio	51.7	

THORNTON LABORATORIES, INC.  
Tina Logan



# THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702

FAX (813) 223-9332

29-Oct-1997

Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Finished Product attn: Judy Kelch

Date Received: 13-Oct-1997

Laboratory Number: 056549

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture @105 oC	51.5	%
ANALYSIS ON DRY BASIS			
EPA/CE-81-1	Total Nitrogen	10720	mg/Kg
	Phosphorus, Total (P)	2890	mg/Kg
EPA 7610	Potassium (K)	3080	mg/Kg
EPA 160.4	Organic Matter (550 C)	68.9	%
	Reduction in Organic Matter	18.0	%
ASTM E-70	pH Value	8.47	
	Extraction Dilution	1/10	
EPA 7130	Cadmium (Cd)	1.2	mg/Kg
EPA 7210	Copper (Cu)	153	mg/Kg
EPA 7420	Lead (Pb)	130	mg/Kg
EPA 7520	Nickel (Ni)	13	mg/Kg
EPA 7950	Zinc (Zn)	566	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	<4	
	Foreign Matter	5.7	%
	consisting of glass, wood, and large pieces of compost.		

THORNTON LABORATORIES, INC.  
Tina Logan



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

30-Oct-1997  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Raw product attn: Judy Kelch

Date Received: 13-Oct-1997

Laboratory Number: 056550

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Crude Moisture (105 oC) ANALYSIS ON DRY BASIS	29.95	%
EPA 160.4	Organic Matter	86.9	%
EPA/CE-81-1	Total Nitrogen (N)	1.68	%
	C/N Ratio	51.7	

THORNTON LABORATORIES, INC.  
Tina Logan

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 10/30/97

Date Tested: 10/31/97

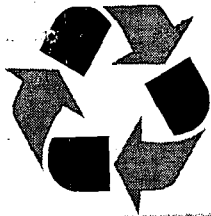
Sample #1C

Technician: JMK

Tare No. 1 Weight	253.3 g
Total Dry Sample Weight	<u>474.1 g</u>
Net Dry Sample Weight	220.8 g

Total Dry Inorganic Weight	254.2 g
Less Tare Weight	<u>253.3 g</u>
Net Dry Inorganic Weight	0.9 g

Foreign Matter Content	<u>0.4</u> %
------------------------	--------------



RECEIVED

APR 10 1998

Department of Environmental Protection  
SOUTHWEST DISTRICT

BY

pro; 22926

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

## Sumter County Solid Waste

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

4/13/98

March 9, 1998

RE: First Quarter 1998 Compost Report

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the first quarter of 1998. Sumter County produced 3180 cu. yds. of Type "A" compost for the first quarter. Should you have any questions, please feel free to contact me.

Sincerely,

Terry Hurst  
Assistant Solid Waste Director

Terry Hurst, Assistant Solid Waste Director





HORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

28-Jan-1998  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Finished Product Attn: Judi Kelch  
Sample Collection: Phillip Lovett Proj: Sumter Cty Solid Waste

Date Received: 8-Jan-1998

Laboratory Number: 064195

CERTIFICATE OF ANALYSIS

\* Consisting of glass. An additional 11.64% of the material would not pass the 1/4" screen, but these were compost material, not foreign matter.

Method	Parameter	Result	Units
AOAC	Moisture @70 oC	53.7	%
ANALYSIS ON DRY BASIS			
AOAC	Total Nitrogen	8430	mg/Kg
	Phosphorus, Total (P)	3960	mg/Kg
EPA 7610	Potassium (K)	2020	mg/Kg
EPA 7130	Cadmium (Cd)	1.2	mg/Kg
EPA 7210	Copper (Cu)	102	mg/Kg
EPA 7420	Lead (Pb)	88	mg/Kg
EPA 7520	Nickel (Ni)	12	mg/Kg
EPA 7950	Zinc (Zn)	445	mg/Kg
SM 9221 E.	Fecal Coliforms	13	MPN/g
ASTM E-70	pH Value	8.8	
	Extraction Dilution	1:10	

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

March 5, 1998

Leesburg

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

RE: First Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on January 6, 1998 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected February 11, 1998 for the purposes of analysis of the foreign matter.

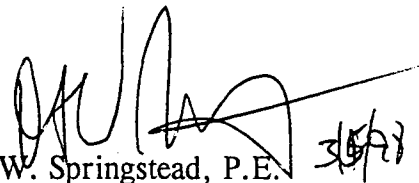
Based on the attached results, currently the compost is classified as **Type A**. All Parameters met the Type A classification. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician



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

Attachments  
cc: Mr. Terry Hurst



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

28-Jan-1998  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Finished Product Attn: Judi Kelch  
Sample Collection: Phillip Lovett Proj: Sumter Cty Solid Waste

Date Received: 8-Jan-1998

Laboratory Number: 064195

CERTIFICATE OF ANALYSIS

\* Consisting of glass. An additional 11.64% of the material would not pass the 1/4" screen, but these were compost material, not foreign matter.

Method	Parameter	Result	Units
AOAC	Moisture @70 oC	53.7	%
ANALYSIS ON DRY BASIS			
AOAC	Total Nitrogen	8430	mg/Kg
	Phosphorus, Total (P)	3960	mg/Kg
EPA 7610	Potassium (K)	2020	mg/Kg
EPA 7130	Cadmium (Cd)	1.2	mg/Kg
EPA 7210	Copper (Cu)	102	mg/Kg
EPA 7420	Lead (Pb)	88	mg/Kg
EPA 7520	Nickel (Ni)	12	mg/Kg
EPA 7950	Zinc (Zn)	445	mg/Kg
SM 9221 E.	Fecal Coliforms	13	MPN/g
ASTM E-70	pH Value	8.8	
	Extraction Dilution	1:10	



# THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

28-Jan-1998  
Page 2

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Finished Product  
Sample Collection: Phillip Lovett  
Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received: 8-Jan-1998

Laboratory Number: 064195

## CERTIFICATE OF ANALYSIS

\* Consisting of glass. An additional 11.64% of the material would not pass the 1/4" screen, but these were compost material, not foreign matter.

Method	Parameter	Result	Units
EPA 160.4	Organic Matter (550 C)	41.5	%
Calc.	Reduction in Organic Matter	43.1	%
Screen Test	Foreign Matter	* 4.06	%

THORNTON LABORATORIES, INC.  
Tina Logan



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

28-Jan-1998  
Page 2

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Finished Product  
Sample Collection: Phillip Lovett  
Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received: 8-Jan-1998

Laboratory Number: 064195

CERTIFICATE OF ANALYSIS

\* Consisting of glass. An additional 11.64% of the material would not pass the 1/4" screen, but these were compost material, not foreign matter.

Method	Parameter	Result	Units
EPA 160.4	Organic Matter (550 C)	41.5	%
Calc.	Reduction in Organic Matter	43.1	%
Screen Test	Foreign Matter	* 4.06	%

THORNTON LABORATORIES, INC.  
Tina Logan





**THORNTON LABORATORIES, INC.**  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

Report For:

Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

28-Jan-1998  
Page 1

Sample Identification:

Raw Product

Sample Collection: Phillip Lovett

Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received:

8-Jan-1998

Laboratory Number:

064196

**CERTIFICATE OF ANALYSIS**

Method	Parameter	Result	Units
AOAC	Crude Moisture (70°C)	51.4	%
EPA 160.4	ANALYSIS ON DRY BASIS		
	Organic Matter	84.6	%

THORNTON LABORATORIES, INC.  
Tina Logan



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

Report For:

Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

28-Jan-1998  
Page 1

Sample Identification:

Raw Product

Sample Collection: Phillip Lovett

Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received:

8-Jan-1998

Laboratory Number:

064196

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
AOAC	Crude Moisture (70oC)	51.4	%
	ANALYSIS ON DRY BASIS		
EPA 160.4	Organic Matter	84.6	%

THORNTON LABORATORIES, INC.  
Tina Logan

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 2/11/98

Date Tested: 2/18/98

Sample #1C

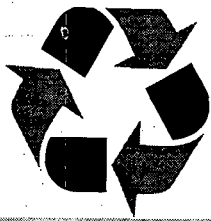
Technician: JMK

Tare No. 1 Weight	252.6 g
Total Dry Sample Weight	<u>409.1 g</u>
Net Dry Sample Weight	156.5 g

Total Dry Inorganic Weight	139.5 g
Less Tare Weight	<u>137.8 g</u>
Net Dry Inorganic Weight	1.7 g

Foreign Matter Content	<u>1.1</u> %
------------------------	--------------





22926

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

## Sumter County Solid Waste

10-9-98

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *10/24*  
Solid Waste Division  
3804 Coconut Palm Dr.  
Tampa, FL 33619-8318

RECEIVED  
OCT 13 1998  
D E P

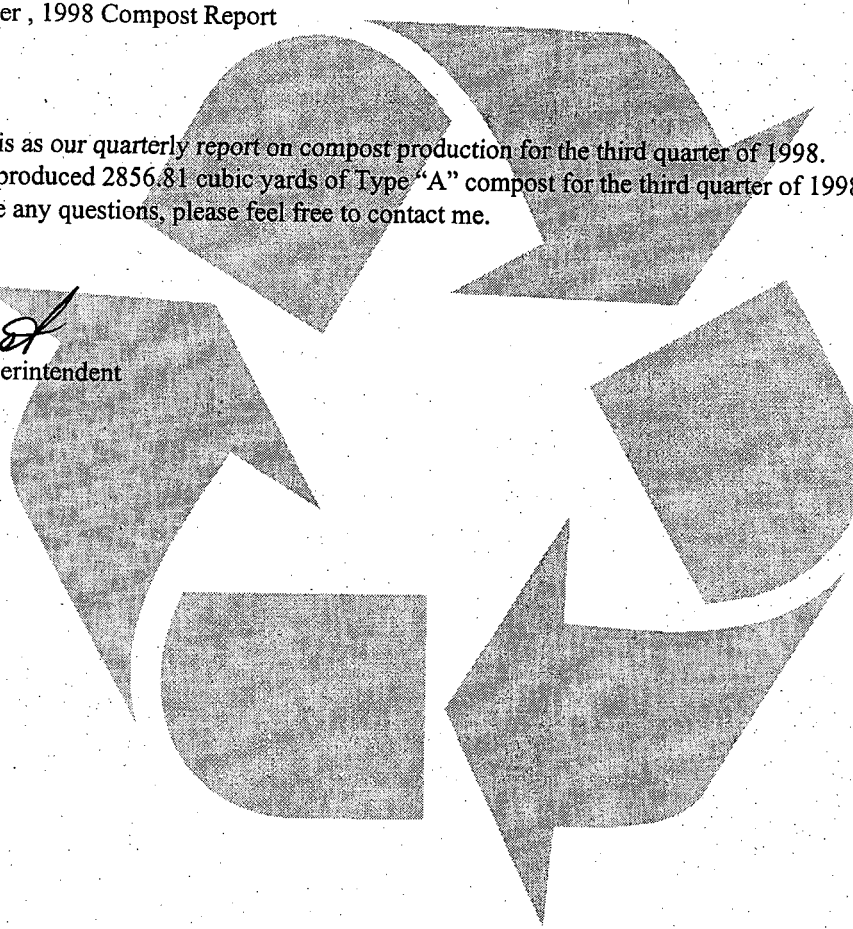
Re: Third Quarter, 1998 Compost Report

Dear Ms. Pelz:

Please accept this as our quarterly report on compost production for the third quarter of 1998. Sumter County produced 2856.81 cubic yards of Type "A" compost for the third quarter of 1998. Should you have any questions, please feel free to contact me.

Sincerely,

*Terry Hurst*  
Solid Waste Superintendent



*Terry Hurst, Solid Waste Superintendent*

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

August 11, 1998

Leesburg

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

RE: Third Quarter Compost Testing Results  
Sumter County Solid Waste Facility

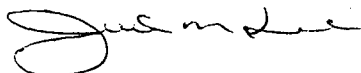
Dear Mr. Breeden:

Central Testing Laboratory has received the results of the third quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on July 16, 1998 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected August 7, 1998 for the purposes of analysis of the foreign matter.

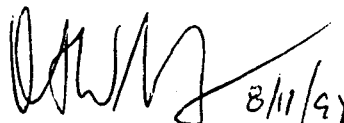
Based on the attached results, currently the compost is classified as **Type A**. All Parameters met the Type A classification. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician

 8/11/98

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

Attachments  
cc: Mr. Terry Hurst





THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

4-Aug-1998  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost - Final Product

Attn: Judi Kelch

Date Received: 17-Jul-1998

Laboratory Number: 083151

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ASTM D-2974	Moisture, 70 oC	28.9	%
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	63.66	%
EPA/CE-81-1	Total Nitrogen (N)	0.98	%
	Phosphorus, Total (P)	0.33	%
EPA 7610	Potassium (K)	0.23	%
ASTM E-70	pH Value	6.87	
	Extraction Dilution	1:3	
	Information is in test footnotes	8.77	
EPA 7130	Cadmium (Cd)	1.1	mg/Kg
EPA 7210	Copper (Cu)	132	mg/Kg
EPA 7420	Lead (Pb)	26	mg/Kg
EPA 7520	Nickel (Ni)	18	mg/Kg
EPA 7950	Zinc (Zn)	471	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	3	

THORNTON LABORATORIES, INC.  
Tina Logan



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

4-Aug-1998  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost - Raw Product

Attn: Judi Kelch

Date Received: 17-Jul-1998

Laboratory Number: 083152

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
	Crude Moisture (70 oC)	51.4	%
	ANALYSIS ON DRY BASIS		
	Loss on Ignition	66.0	%

THORNTON LABORATORIES, INC.  
Tina Logan

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 8/7/98

Date Tested: 8/11/98

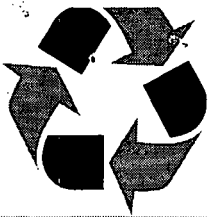
Sample #1C

Technician: JMK

Tare No. 1 Weight	119.74 g
Total Dry Sample Weight	<u>179.73 g</u>
Net Dry Sample Weight	59.99 g

Total Dry Inorganic Weight	120.64 g
Less Tare Weight	<u>119.74 g</u>
Net Dry Inorganic Weight	0.9 g

Foreign Matter Content	<u>1.5</u> %
------------------------	--------------



D.E.P.

JAN 12 1999

Southwest District Tampa

22926  
P. O. Box 1066  
Bushnell, FL 33513  
(352) 793-3368  
(352) 568-0166 Fax

## Sumter County Solid Waste

Jan. 11, 1999

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *1/13*  
Solid Waste Division  
3804 Coconut Palm Dr.  
Tampa, FL 33619-8318

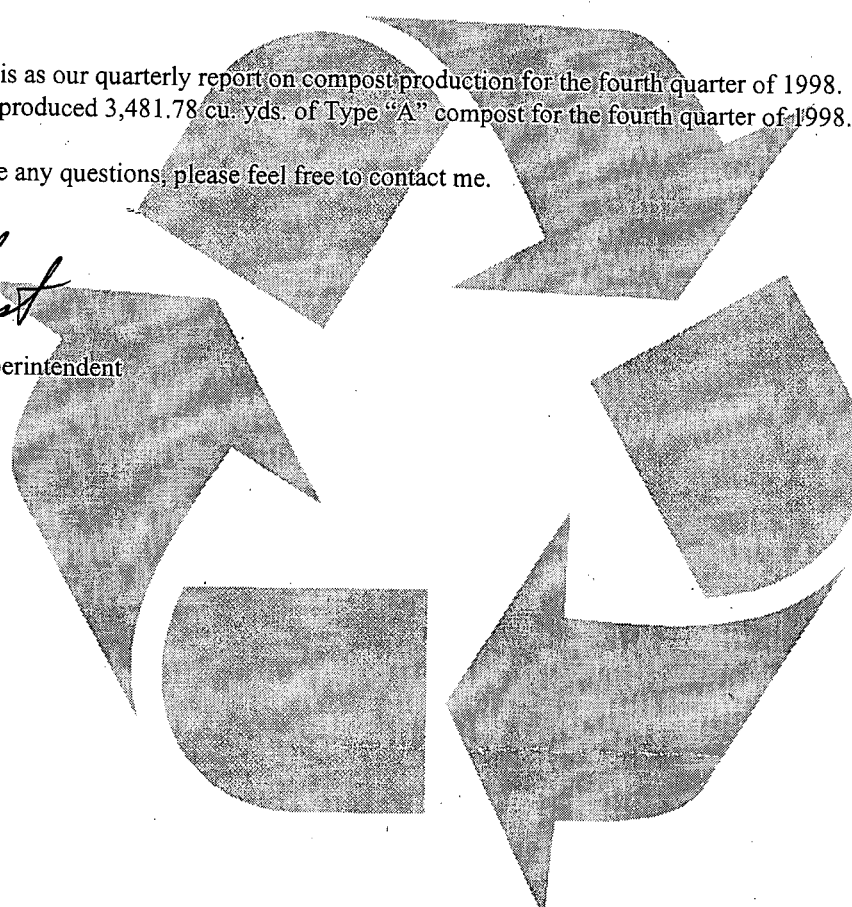
Dear Ms. Pelz:

Please accept this as our quarterly report on compost production for the fourth quarter of 1998. Sumter County produced 3,481.78 cu. yds. of Type "A" compost for the fourth quarter of 1998.

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

Sincerely,

Solid Waste Superintendent



*Terry Hurst, Solid Waste Superintendent*

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

November 9, 1998

Leesburg

Mr. Garry Breeden  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

RE: Fourth Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the fourth quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on October 8, 1998 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected October 21, 1998 for the purposes of analysis of the foreign matter.

Based on the attached results, currently the compost is classified as **Type A**. All Parameters met the Type A classification. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician

 11/24/98

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

Attachments  
cc: Mr. Terry Hurst





THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

21-Oct-1998  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Raw Sample  
Sample Collection: Phillip Lovett

Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received: 9-Oct-1998

Laboratory Number: 090619

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Crude Moisture (105 oC) ANALYSIS ON DRY BASIS	42.6	%
EPA 160.4	Loss on Ignition	68.8	%

THORNTON LABORATORIES, INC.  
Tina Logan





T. R. NTON LABORATORIES, INC.  
MAHINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

26-Oct-1998  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Finished Product  
Sample Collection: Phillip Lovett

Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received: 9-Oct-1998

Laboratory Number: 090618

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ASTM D-2974	Moisture, 105 oC	56.0	%
ANALYSIS ON DRY BASIS			
EPA/CE-81-1	Total Nitrogen (N)	5960	mg/Kg
	Phosphorus, Total (P)	900	mg/Kg
EPA 7610	Potassium (K)	3990	mg/Kg
ASTM E-70	pH Value	6.9	
	Extraction Dilution	1:10	
EPA 160.4	Organic Matter (550 C)	76.4	%
Calculation	Reduction in Organic Matter	7.7	%
EPA 7130	Cadmium (Cd)	0.4	mg/Kg
EPA 7210	Copper (Cu)	142	mg/Kg
EPA 7420	Lead (Pb)	48	mg/Kg
EPA 7520	Nickel (Ni)	17	mg/Kg
EPA 7950	Zinc (Zn)	473	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	1,800,000	



THORNTON LABORATORIES, INC.  
MAHINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9700  
FAX (813) 223-9333

26-Oct-1998  
Page 2

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Finished Product  
Sample Collection: Phillip Lovett

Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received: 9-Oct-1998

Laboratory Number: 090618

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
	Percent Foreign Matter	15.62	%
	consisting of:		
	Glass	4.0	%
	Plastic	0.3	%
	Wood	0.3	%
	Other	11.0	%

THORNTON LABORATORIES, INC.  
Tina Logan

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 10/21/98

Date Tested: 10/126/98

Sample #1C

Technician: JMK

Tare No. 1 Weight

118.56 g

Total Dry Sample Weight

157.23 g

Net Dry Sample Weight

38.67 g

Total Dry Inorganic Weight

119.31 g

Less Tare Weight

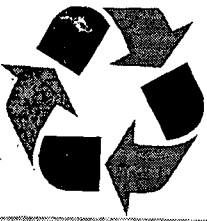
118.56 g

Net Dry Inorganic Weight

0.75 g

Foreign Matter Content

1.9 %



22926

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

## Sumter County Solid Waste

April 9, 1999

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *JS 4/14*  
Solid Waste Division  
3804 Coconut Palm Dr.  
Tampa, Fl. 33619-8318

D.E.P.  
APR 13 1999  
Southwest District Tampa

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the first quarter of 1999.

Sumter County produced 5331.55 cu. yds. of Type "A" compost for the first quarter of 1999.

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

Sincerely,

Solid Waste Superintendent

*Terry Hurst, Assistant Solid Waste Director*

# Central Testing Laboratory

FL 0002407

Engineering and Materials Testing

April 12, 1999

Reply to:

Leesburg

Mr. Garry Breedon  
Sumter County Public Works  
222 E. McCollum Avenue  
Bushnell, FL 33513

RE: First Quarter Compost Testing Results  
Sumter County Solid Waste Facility

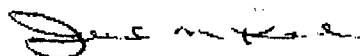
Dear Mr. Breedon:

Central Testing Laboratory has received the results of the first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on March 9, 1999 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, currently the compost is classified as **Type B**. All Parameters met the Type A classification except foreign matter of 3.52%. 62-709.600, Criteria for the Use of Compost, states compost classified as Type B is restricted to use by commercial, agricultural, institutional or governmental operations. However, if it used where contact with the general public is likely, such as in a park, only type B may be used.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician

Attachments  
cc: 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) 793-3638

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

**THORNTON LABORATORIES, INC.**  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES1145 EAST GASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompOAP# 860124, HRS# 84147, ES4100, ES4324TELEPHONE (813) 223-9702  
FAX (813) 223-93325-Apr-1999  
Page 1Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Compost Attn: Judi Kelch  
Id: 1-gallon Finished Product  
Sample collected by Phillip Lovett

Date Received: 10-Mar-1999

Laboratory Number: 103060

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ASTM D-2974	Moisture, 70 oC	31.6	%
ASTM E-70	pH Value	8.15	
	Extraction Dilution	1:1	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	64.0	%
AOAC 933.13	Reduction in Organic Matter	16.0	%
	Total Nitrogen (N)	1.65	%
	Phosphorus, Total (P)	0.92	%
EPA 7610	Potassium (K)	0.30	%
EPA 7130	Cadmium (Cd)	1.9	mg/Kg
EPA 7210	Copper (Cu)	168	mg/Kg
EPA 7420	Lead (Pb)	92	mg/Kg
EPA 7520	Nickel (Ni)	22	mg/Kg
EPA 7950	Zinc (Zn)	649	mg/Kg
	Foreign Matter	3.52	%
	Glass	85.1	%
	Plastic	5.8	%
	Wood	4.2	%
	Rock	4.9	%

\* Analyzed by a Subcontract Lab.

THORNTON LABORATORIES, INC.  
Tina Logan



D.E.P.  
JUL 14 1999  
Southwest District Tampa

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

## Sumter County Solid Waste

July 12, 1999

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

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the second quarter of 1999.

Sumter County produced 5092.22 cu. yds. Of Type "A" compost for the second quarter of 1999.

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

Sincerely,

A handwritten signature in cursive script that reads "Terry Hurst".

Solid Waste Superintendent

TH/ct

Terry Hurst, Assistant Solid Waste Director

# Central Testing Laboratory

131 0002-107

Engineering and Materials Testing

Reply to:

July 8, 1999

Leesburg

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

RE: Second Quarter Compost Testing Results  
Sumter County Solid Waste Facility

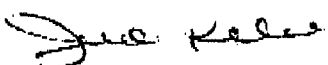
Dear Mr. Breeden:


Central Testing Laboratory has received the results of the second quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on March 9, 1999 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to high laboratory results of copper, nickel, zinc and foreign matter.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory

  
Judi M. Kelch  
Environmental Technician

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

Attachments  
cc: 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





## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
 P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
 CompGAP# 860124, HRS# 84147, L84100, L84324

TELEPHONE (813) 223 9702  
 FAX (813) 223 9332

23-Jun-1999  
 Page 1

Report For: Central Testing Laboratory  
 727 S. 14th Street  
 Leesburg, FL 34748

## Sample Identification:

Finished Product  
 Sampled by Judi Kelch on 5/06/99  
 Attn: Judi Kelch  
 Proj: Sumter Cty Solid Waste  
 Management Facility

Date Received: 13-May-1999

Laboratory Number: 108251

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ASTM D-2974	Moisture, 105 oC	36.3	%
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	76.5	%
EPA/CE-81-1	Total Nitrogen (N)	1.19	%
	Phosphorus, Total (P)	0.68	%
EPA 7610	Potassium (K)	0.36	%
ASTM E-70	pH Value	5.97	
	Extraction Dilution	1:5	
EPA 7130	Cadmium (Cd)	2.1	mg/Kg
EPA 7210	Copper (Cu)	1040	mg/Kg
EPA 7420	Lead (Pb)	199	mg/Kg
EPA 7520	Nickel (Ni)	134	mg/Kg
EPA 7950	Zinc (Zn)	1030	mg/Kg
SM 9221 E.	Fecal Coliforms	<1	mpn/g
Retained on a No. 3 sieve	Foreign Matter	15.7	%
	Glass	80	%
	Plastic	7	%
	Wood	6	%
	Rock	4	%
	Paper	4	%

THORNTON LABORATORIES, INC.  
 Tina Logan



## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E04100, E04324TELEPHONE (813) 223-9702  
FAX (813) 223-933228-May-1999  
Page 1Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Raw Product  
Sampled by Judi Kelch on 5/06/99Attn: Judi Kelch  
Proj: Sumter Cty Solid Waste  
Management Facility

Date Received: 13-May-1999

Laboratory Number: 108252

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ASTM	Crude Moisture (105 oC)	48.7	%
	ANALYSIS ON DRY BASIS		
	Organic Matter (550 oC)	91.2	%

THORNTON LABORATORIES, INC.  
Tina Logan

Lab #: 112043

Date Received: 24-Jun-1999

Compost

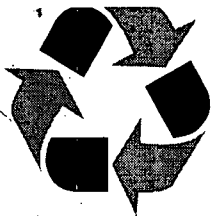
Finished Product

Sampled collected by Judi Kelch on 6/23/99

Attn: Judi Kelch

Proj: Sumter Cty Solid Waste Management

Method	Parameter	Result	Units
ASTM D-2974	Moisture, 105 °C	34.29	%
	Foreign Matter = 1.79 %		
	consisting of:		
	glass = 1.23 %		
	rock = 0.13 %		
	paper = 0.0 %		
	plastic = 0.31 %		
	wood = 0.13 %		
ASTM E-70	pH Value	7.53	
ASTM E-70	Extraction Dilution	1:3	
	ANALYSIS ON DRY BASIS	-	
EPA 160.4	Organic Matter (550 °C)	59.01	%
EPA/CE-81-1	Total Nitrogen (N)	4.79	mg/Kg
EPA/CE-81-1	Phosphorus, Total (P)	11950	mg/Kg
EPA 7610	Potassium (K)	16700	mg/Kg
EPA 7130	Cadmium (Cd)	1.2	mg/Kg
EPA 7210	Copper (Cu)	175	mg/Kg
EPA 7420	Lead (Pb)	28	mg/Kg
EPA 7520	Nickel (Ni)	12	mg/Kg
EPA 7950	Zinc (Zn)	590	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	<3	



22926

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

# Sumter County Solid Waste

Oct. 5, 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.  
OCT 06 1999  
Southwest District Tampa

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the third quarter of 1999.

Sumter County produced 4946 cu. yds. of Type "A" compost for the third quarter of 1999.

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

Sincerely,

Solid Waste Superintendent

TH/ct

Terry Hurst, Assistant Solid Waste Director

# Central Testing Laboratory

EB 0002-007

Engineering and Materials Testing

Reply to:

August 17, 1999

Leesburg

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

RE: Third Quarter Compost Testing Results  
Sumter County Solid Waste Facility

1999

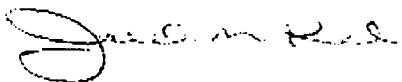
Dear Mr. Breeden:

Central Testing Laboratory has received the results of the third quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on July 8, 1999 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to high laboratory result of foreign matter.

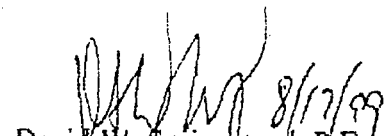
Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Technician



8/17/99  
David W. Springstead, P.E.  
Fl. Reg. No. 48229

Attachments  
cc: 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



## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33603  
 P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
 CompQA# 850124, IHS# 84147, EB4100, EB4324

TELEPHONE (813) 223-9702  
 FAX (813) 223-9338

12-Aug-1999  
 Page 1

Report For: Central Testing Laboratory  
 727 S. 14th Street  
 Leesburg, FL 34748

## Sample Identification:

Compost - Finished Product  
 Sampled by Dan Sciarini on 7-8-99

Attn: Judy  
 Proj: Sumter County SWMF

Date Received: 20-Jul-1999

Laboratory Number: 114596

## CERTIFICATE OF ANALYSIS

\* Retained on a No. 3 Sieve  
 \*\* Analyzed by a Subcontract Lab.

Method	Parameter	Result	Units
ASTM D-2974			
	Moisture, 105 oC	1.68	%
ASTM E-70			
	pH Value	6.98	
	Extraction Dilution	1:10	

## ANALYSIS ON DRY BASIS

EPA 160.4	Organic Matter (550 C)	71.7	%
	Reduction in Organic Matter	28.3	%
EPA/CE-81-1	Total Nitrogen (N)	** 1.8	%
	Phosphorus, Total (P)	0.6	%
EPA 7610	Potassium (K)	0.3	%
EPA 7130	Cadmium (Cd)	1.6	mg/Kg
EPA 7210	Copper (Cu)	174	mg/Kg
EPA 7420	Lead (Pb)	76	mg/Kg
EPA 7520	Nickel (Ni)	17	mg/Kg
EPA 7950	Zinc (Zn)	576	mg/Kg



## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET TAMPA, FLORIDA 33602  
P.O. BOX 2680, TAMPA, FLORIDA 33601-2680  
CompOAP# 850124, HRS# 04147, E04100, L04324TELEPHONE (813) 223 9702  
FAX (813) 223 933212-Aug-1999  
Page 2Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Compost - Finished Product  
Sampled by Dan Sciarini on 7-8-99Attn: Judy  
Proj: Sumter County SWMF

Date Received: 20-Jul-1999

Laboratory Number: 114596

## CERTIFICATE OF ANALYSIS

\* Retained on a No. 3 Sieve  
\*\* Analyzed by a Subcontract Lab.

Method	Parameter	Result	Units
	* Foreign Matter	17.4	%
	Consisting of:		
	Glass	3.61	%
	Wood	0.32	%
	Plastic	0.41	%
	Metal	0.05	%
	Rocks	0.06	%
	Other	13.0	%
SM 9221 E.	Fecal Coliforms	230	mpn/g

THORNTON LABORATORIES, INC.  
Tina Logan

THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES1145 LAST CASS STREET, TAMPA, FLORIDA 33607  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 800124, HRS# 84147, E84100, 184324TELEPHONE (813) 223-9702  
FAX (813) 223-9332

## Report For:

Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 347484-Aug-1999  
Page 1

## Sample Identification:

Compost - Raw  
Sampled by Dan Sciarini on 7/8/99Attn: Judy  
Project: Sumter County SWMF

Date Received: 20-Jul-1999

Laboratory Number: 114597

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
	Crude Moisture (105 oC) ANALYSIS ON DRY BASIS	19.84	%
	Loss on Ignition	90.3	%

THORNTON LABORATORIES, INC.  
Tina Logan



Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 08/13/99

Date Tested: 08/16/99

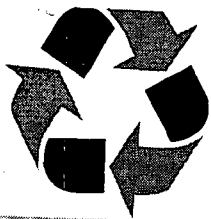
Sample #1C

Technician: JMK

Tare No. 1 Weight	118.52 g
Total Dry Sample Weight	<u>157.23 g</u>
Net Dry Sample Weight	38.71 g

Total Dry Inorganic Weight	119.28 g
Less Tare Weight	<u>118.52 g</u>
Net Dry Inorganic Weight	0.76 g

Foreign Matter Content	<u>2.0</u> %
consisting of:	
glass	1.1 %
metal	.4 %
plastic	.05 %
other	.45 %



D.E.R.  
DEC 23 1999  
Southwest District

22926

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

## Sumter County Solid Waste

12-21-99

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

*J 12/29*

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the fourth quarter of 1999.

Sumter County produced 3095 cu. yds. of Type "A" compost for the fourth quarter of 1999.

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

Sincerely,

Solid Waste Superintendent

TH/ct

*Terry Hurst, Solid Waste Superintendent*

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

December 9, 1999

Leesburg

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

RE: Fourth Quarter Compost Testing Results  
Sumter County Solid Waste Facility

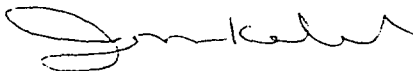
Dear Mr. Breeden:

Central Testing Laboratory has received the results of the fourth quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on October 19, 1999 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to a high laboratory result of foreign matter.

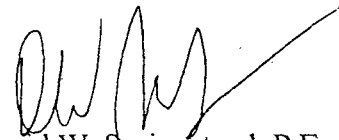
Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Specialist



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

Attachments  
cc: 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

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 10/19/99

Date Tested: 10/26/99

Sample #1C

Technician: JMK

Tare No. 1 Weight	118.52 g
Total Dry Sample Weight	<u>155.28 g</u>
Net Dry Sample Weight	36.76 g

Total Dry Inorganic Weight	119.28 g
Less Tare Weight	<u>118.56 g</u>
Net Dry Inorganic Weight	0.72 g

Foreign Matter Content 2.0 %

consisting of:

glass	1.7 %
metal	.2 %
plastic	.1 %

**THORNTON LABORATORIES, INC.**  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324TELEPHONE (813) 223-9702  
FAX (813) 223-9332

Report For:

Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 3474823-Nov-1999  
Page 1

Sample Identification:

Raw Sample

Attn: Judi Kelch

Date Received:

5-Nov-1999

Laboratory Number:

122939

**CERTIFICATE OF ANALYSIS**

Method	Parameter	Result	Units
EPA 160	Crude Moisture (105 °C)	17.3	%
	ANALYSIS ON DRY BASIS		
EPA 160	Organic Matter	96.8	%

THORNTON LABORATORIES, INC.  
Tina Logan



## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2680, TAMPA, FLORIDA 33601-2680  
CompOAP# 060124, HRS# 84147, E84100, E84324TELEPHONE (813) 223-9702  
FAX (813) 223-93326-Dec-1999  
Page 1Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Finished Product

Attn: Judi Kelch

Date Received: 5-Nov-1999

Laboratory Number: 122940

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ASTM D-2974			
ASTM E-70	Moisture, 105 oC	29.1	%
	pH Value	8.15	
	Extraction Dilution	1:3	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	91.5	%
	Reduction in Organic Matter (SSOC)	5.4	%
EPA/CE-81-1	Total Nitrogen (N)	22400	mg/Kg
	Phosphorus, Total (P)	888	mg/Kg
EPA 7610	Potassium (K)	4760	mg/Kg
EPA 7130	Cadmium (Cd)	5.1	mg/Kg
EPA 7210	Copper (Cu)	439	mg/Kg
EPA 7420	Lead (Pb)	180	mg/Kg
EPA 7520	Nickel (Ni)	31	mg/Kg
EPA 7950	Zinc (Zn)	891	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	2300	



## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 880124, HRS# 84147, E84100, E84324TELEPHONE (813) 223-9702  
FAX (813) 223-93326-Dec-1999  
Page 2Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Finished Product

Attn: Judi Kelch

Date Received: 5-Nov-1999

Laboratory Number: 122940

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
	Foreign Matter, Retained on a No. 3 Tyler	6.17	%
	Glass	2.40	%
	Paper	1.60	%
	Plastic	0.10	%
	Wood	0.08	%
	Other	1.99	%

THORNTON LABORATORIES, INC.  
Tina Logan

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 10/19/99  
Date Tested: 10/26/99

Sample #1C

Technician: JMK

Tare No. 1 Weight

118.52 g

Total Dry Sample Weight

155.28 g

Net Dry Sample Weight

36.76 g

Total Dry Inorganic Weight

119.28 g

Less Tare Weight

118.56 g

Net Dry Inorganic Weight

0.72 g

Foreign Matter Content  
consisting of:

2.0 %

glass

1.7 %

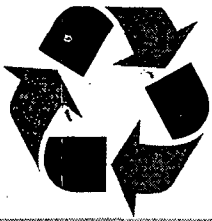
metal

.2 %

plastic

.1 %





D.E.P.  
APR 05 2000  
Southwest District Tampa

22926  
P.O. Box 1066  
Bushnell, FL 33513  
(352) 793-3368  
(352) 568- 0166 Fax

## Sumter County Solid Waste

4-4-00

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

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the first quarter of 2000.

Sumter County produced 7786 cu. yds. of Type "A" compost for the first quarter of 2000.

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

Sincerely,

Solid Waste Superintendent

TH/ct

Terry Hurst, Solid Waste Superintendent

## Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

March 2, 2000

Leesburg

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

RE: First Quarter Compost Testing Results  
Sumter County Solid Waste Facility

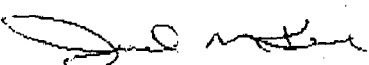
Dear Mr. Breeden:


Central Testing Laboratory has received the results of the first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on January 18, 2000 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to a high laboratory result of foreign matter.

Based on the attached results, currently the compost is classified as Type A. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted distribution.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory

  
Judi M. Kelch  
Environmental Specialist

  
David W. Springstead, P.E.  
Vice-President  
Fl. Reg. No. 48229

Attachments  
cc: 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

Sumter County Solid Waste Management Facility  
Sumterville, Florida

Foreign Matter Content of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 01/18/00

Date Tested: 02/23/00

Sample #1C

Technician: JMK

Tare No. 1 Weight

118.46 g

Total Dry Sample Weight

156.02 g

Net Dry Sample Weight

37.56 g

Total Dry Inorganic Weight

119.35 g

Less Tare Weight

118.61 g

Net Dry Inorganic Weight

0.74 g

Foreign Matter Content  
consisting of:

 %

glass

1.8 %

metal

.1 %

plastic

.1 %

**THORNTON LABORATORIES, INC.**

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, EB4100, EB4324TELEPHONE (813) 223-9702  
FAX (813) 223-933215-Feb-2000  
Page 1

Report For: Central Testing Laboratory  
727 S. 14th Street  
Leesburg, FL 34748

**Sample Identification:**

Compost  
Id: Raw Sample

Attn: Judi Kelch

Date Received: 20-Jan-2000

Laboratory Number: 128141

**CERTIFICATE OF ANALYSIS**

Method	Parameter	Result	Units
ASTM D-2974	Moisture (105 °C)	21.1	%
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter	94.3	%

THORNTON LABORATORIES, INC.  
Tina Logan



## THORNTON LABORATORIES, INC.

MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
 P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
 CompQAP# 860124, HRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
 FAX (813) 223-8332

16-Feb-2000  
 Page 1

Report For: Central Testing Laboratory  
 727 S. 14th Street  
 Leesburg, FL 34748

## Sample Identification:

Compost  
 Id: Finished Product

Attn: Judi Kelch

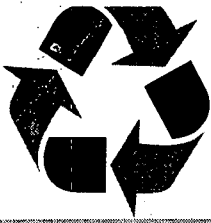
Date Received: 20-Jan-2000

Laboratory Number: 128140

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3			
EPA 9045	Moisture, 105 °C	39.6	%
	pH Value	7.87	
	Extraction Dilution	1:10	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 °C)	33.9	%
	Reduction in Organic Matter	60.4	%
EPA/CE-81-1	Total Nitrogen (N)	15800	mg/Kg
	Phosphorus, Total (P)	10400	mg/Kg
EPA 7610	Potassium (K)	3280	mg/Kg
EPA 7130	Cadmium (Cd)	1.4	mg/Kg
EPA 7210	Copper (Cu)	221	mg/Kg
EPA 7420	Lead (Pb)	112	mg/Kg
EPA 7520	Nickel (Ni)	17	mg/Kg
EPA 7950	Zinc (Zn)	669	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	330	
TYLER MESH	Foreign Matter, retained on a No. 3	6.12	%
Calculated as a Percent of Total Compost			
	Glass	5.17	%
	Plastic	0.43	%
	Rock	0.29	%
	Wood	0.23	%

THORNTON LABORATORIES, INC.  
 Tina Logan



22926

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

## Sumter County Solid Waste

July 5, 2000

**D.E.P.**

**JUL 06 2000**

**Southwest District Tampa**

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

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the second quarter of 2000.

Sumter County produced 5115.70 cubic yards of Type "B" compost for the second quarter of 2000.

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

Sincerely,

Solid Waste Superintendent

TH/ct

*Terry Hurst, Solid Waste Superintendent*

## Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

June 21, 2000

D.E.R.

JUL 06 2000

Leesburg

Southwest District Tampa

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

RE: Second Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the second quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on May 10, 2000 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to a high laboratory result of foreign matter.

Based on the attached results, currently the compost is classified as Type B. 62-709.600, Criteria for the Use of Compost, states compost classified as Type B is restricted to use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory



Judi M. Kelch  
Environmental Specialist

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

Attachments  
cc: 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



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASE STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2980, TAMPA, FLORIDA 33601-0980  
CompQAP# 890124, HRS# 84147 EB4100, EB4324

TELEPHONE (813) 223 9702  
FAX (813) 223-9332

7-Jun-2000  
Page 1

Report For: Sumter County Public Works  
319 E. Anderson Avenue  
Bushnell, FL 33513

Sample Identification:  
Finished Product

Date Received: 11-May-2000  
Laboratory Number: 136601

D.E.R.  
JUL 06 2000  
Southwest District Tampa

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 °C	18.9	%
EPA 9045	pH	7.83	
	ANALYSIS ON DRY BASIS		
EPA 160.4	Organic Matter (550 °C)	64.5	%
	Reduction in Organic Matter	18.9	%
EPA/CE-81-1	Total Nitrogen (N)	16500	mg/Kg
EPA/CE-81-1	Phosphorus, Total (P)	9270	mg/Kg
EPA 7610	Potassium (K)	2240	mg/Kg
EPA 7130	Cadmium (Cd)	0.8	mg/Kg
EPA 7210	Copper (Cu)	334	mg/Kg
EPA 7420	Lead (Pb)	137	mg/Kg
EPA 7520	Nickel (Ni)	13	mg/Kg
EPA 7950	Zinc (Zn)	401	mg/Kg
U.S. STANDARD	Foreign Matter, Retained on a 1/4"	18.6	%

4.81





THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQA# 880124, 11R8# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9800

7-Jun-2000  
Page 2

Report For: Sumter County Public Works  
319 E. Anderson Avenue  
Bushnell, FL 33513

Sample Identification:  
Finished Product

Date Received: 11-May-2000  
Laboratory Number: 136601

D.E.P.  
JUL 06 2000  
Southwest District Tampa

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
Calculated as a Percent of Total Compost			
	Bone	0.0	%
	Glass	4.26	%
	Leather	0.0	%
	Metal	0.12	%
	Plastic	0.39	%
	Rubber	0.04	%
	Other	95.19	%
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	< 2	MPN/g dry weight

THORNTON LABORATORIES, INC.  
Tina Logan



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2860, TAMPA, FLORIDA 33601-2860  
CompOAP# 880124, HRS# 64147, ES4100, ES1324

TELEPHONE (813) 223-9702  
FAX (813) 223-8232

Report For:

Sumter County Public Works  
319 E. Anderson Avenue  
Bushnell, FL 33513

30-May-2000  
Page 1

Sample Identification:

Raw Product

D.E.P.

JUL 06 2000

Southwest District Tampa

Date Received: 11-May-2000

Laboratory Number: 136602

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 oC	42.9	%
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	93.4	%

THORNTON LABORATORIES, INC.  
Tina Logan

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY  
SUMTERVILLE, FLORIDA

FOREIGN MATTER CONTENT OF COMPOST MADE FROM SOLID WASTE  
(PROCEDURE per 62-709.530(f))

DATE SAMPLE COLLECTED: 05/10/00  
DATE TESTED: 05/30/00

<u>SAMPLE #1</u>	Technician: JMK
Tare No. 1 Weight	118.46 g
Total Dry Sample Weight	<u>156.12 g</u>
Net Dry Sample Weight	37.66 g
Total Dry Inorganic Weight	119.88 g
Less Tare Weight	<u>118.61 g</u>
Net Dry Inorganic Weight	1.27 g
Foreign Matter Content	3.4 %
consisting of:	
glass	2.8 %
metal	0.5 %
plastic	0.1 %



SIS *JS*

file

P.O. Box 1066  
Bushnell, FL 33513

*22926*

(352) 793-3368

(352) 568-0166 Fax

## Sumter County Solid Waste

1-12-01

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

*1/17/01*

**D.E.P.**  
**JAN 16 2001**  
**Southwest District Tampa**

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the fourth quarter of 2000.

Sumter County produced 2,915.64 cubic yards of type "B" Compost for the fourth quarter of 2000.

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

Sincerely,

Terry Hurst  
Solid Waste Superintendent

TH/ct

*Terry Hurst, Solid Waste Superintendent*

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

January 8, 2001

Leesburg

Mr. Terry Hurst

Sumter County Solid Waste Facility  
P.O. Box 1066  
Bushnell, FL 33513

RE: Fourth Quarter Compost Testing Results  
Sumter County Solid Waste Facility

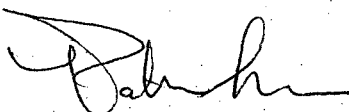
Dear Mr. Hurst:

Central Testing Laboratory has received the results of the fourth quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on October 26th, 2000 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to a high laboratory result of foreign matter.

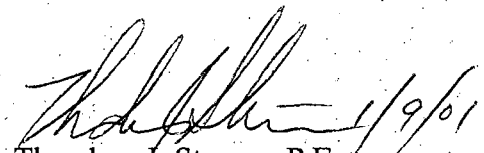
Based on the attached results, currently the compost is classified as **Type B**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type B is restricted to use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory



Patricia Snowdon  
Environmental Specialist

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

Attachments

cc: Mr. Gary Breeden





THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

4-Dec-2000  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Finished Compost  
Sampled on 10/26/00

Attn: Patricia Snowdon  
Proj: Sumter Cty Solid Waste Mgmt Facility

Date Received: 30-Oct-2000  
Laboratory Number: 150575

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 oC	41.2	%
EPA 9045	pH Value	9.6	
	Extraction Dilution	1:10	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	68.4	%
	Reduction in Organic Matter	26.6	%
EPA 353 & 351	Total Nitrogen (N)	23500	mg/Kg
EPA 365.4	Phosphorus, Total (P)	9330	mg/Kg
EPA 7610	Potassium (K)	5490	mg/Kg
EPA 7130	Cadmium (Cd)	2	mg/Kg
EPA 7210	Copper (Cu)	397	mg/Kg
EPA 7420	Lead (Pb)	52	mg/Kg
EPA 7520	Nickel (Ni)	27	mg/Kg
EPA 7950	Zinc (Zn)	745	mg/Kg
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	> 27000	

THORNTON LABORATORIES, INC.  
Tina Logan



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

4-Jan-2001  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Finished Compost Attn: Patricia Snowden  
Retest, on product received 12/20/00

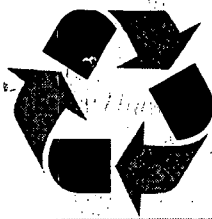
Date Received: 20-Dec-2000

Laboratory Number: 150575A

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
ANALYSIS ON DRY BASIS			
Screen Test - US Standard			
	Foreign Matter, Retained on 1/4" Screen	10.76	%
	Bones, % of total Compost	0.67	%
	Glass, % of total Compost	4.16	%
	Leather, % of total Compost	0.00	%
	Metal, % of total Compost	0.00	%
	Plastic, % of total Compost	0.80	%
	Rubber, % of total Compost	0.00	%
	Other, % of total Compost	5.14	%

THORNTON LABORATORIES, INC.  
Tina Fritz



9506  
22962

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

## Sumter County Solid Waste

10-12-00

RECEIVED  
OCT. 16 2000

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *10/16*  
Solid Waste Division  
3804 Coconut Palm Dr.  
Tamp, FL 33619-8318

RECEIVED  
SOUTHWEST DISTRICT  
BY

Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the third quarter 2000.

Sumter County produced 6,247.19 cubic yards of Type "B" compost for the third quarter of 2000.

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

Sincerely,

*Terry Hurst*

Solid Waste Superintendent

TH/ct

Terry Hurst, Solid Waste Superintendent



# Central Testing Laboratory

EB 0002407

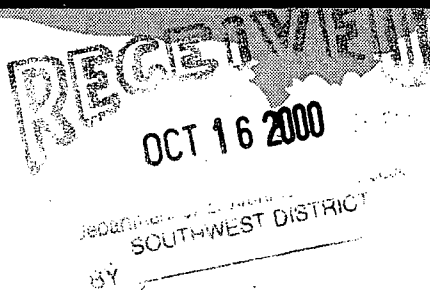
Engineering and Materials Testing

Reply to:

October 6, 2000

Leesburg

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



RE: Third Quarter Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Breeden:

Central Testing Laboratory has received the results of the third quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on September 6, 2000 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. An additional composite compost sample was collected from the same batch for analysis due to high laboratory result of fecal material.

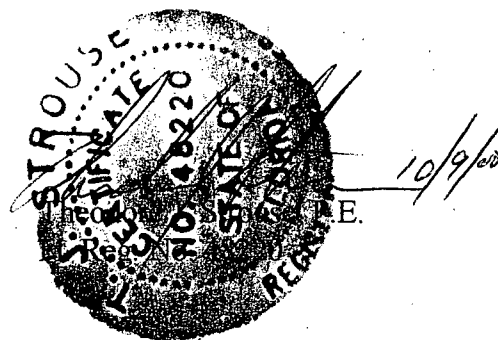
Based on the attached results, currently the compost is classified as **Type B**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type B is restricted to use by commercial, agricultural, institutional or government operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Very Truly Yours,  
Central Testing Laboratory

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

Patricia Snowdon  
Environmental Specialist



Attachments

cc: 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



**THORNTON LABORATORIES, INC.**  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 800124, MRS# 84147, E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-5332

4-Oct-2000  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:  
Compost - Finished Product Attn: Patricia Snowden  
Project: Sumter County Solid Waste Management Facility

Date Received: 8-Sep-2000  
Laboratory Number: 145940

**CERTIFICATE OF ANALYSIS**

Method	Parameter	Result	Units
EPA 160.3			
EPA 9045	Moisture, 105 oC	47.3	%
	pH, noncalcareous soils	7.1	
<b>ANALYSIS ON DRY BASIS</b>			
EPA 160.4	Organic Matter (550 C)	73.0	%
	Reduction in Organic Matter	22.2	%
EPA 353 + 351	Total Nitrogen (N)	1.46	mg/Kg
EPA 365	Phosphorus, Total (P)	9400	mg/Kg
EPA 7610	Potassium (K)	2330	mg/Kg
EPA 7130	Cadmium (Cd)	0.9	mg/Kg
EPA 7210	Copper (Cu)	147	mg/Kg
EPA 7420	Lead (Pb)	51	mg/Kg
EPA 7520	Nickel (Ni)	14	mg/Kg
EPA 7950	Zinc (Zn)	416	mg/Kg
SM 9221 E.			
US Standard	Fecal Coliforms, MPN/g dry weight	> 3000	
Calculated as a	Foreign Matter, retained on a 1/4"	25.0	%
	Percent of Total Compost		
	Bone	0.0	%
	Glass	4.18	%
	Leather	0.0	%
	Metal	0.0	%
	Plastic	0.86	%
	Rubber	0.0	%
	Other	0.13	%

THORNTON LABORATORIES, INC.  
Tina Logan

**THORNTON LABORATORIES, INC.**  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
CompQAP# 860124, HRS# 84147, E84100, E84324TELEPHONE (813) 223-9702  
FAX (813) 223-93324-Oct-2000  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

## Sample Identification:

Compost - Raw Attn: Patricia Snowden  
Project: Sumter County Solid Waste Management Facility

Date Received: 8-Sep-2000

Laboratory Number: 145941

## CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 70 oC	37.4	%
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	95.2	%

THORNTON LABORATORIES, INC.  
Tina Logan

## Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

D.E.P.

Reply to:

FEB 21 2001

February 15, 2001

Southwest District Tampa

Leesburg

Ms. Susan Pelz *2/28*

Sumter County Solid Waste Facility  
 P.O. Box 1066  
 Bushnell, FL 33513

RE: First Quarter 2001 Compost Testing Results  
 Sumter County Solid Waste Facility

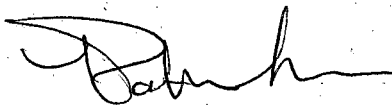
Dear Mr. Pelz:

Central Testing Laboratory has received the results of the first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on January 18, 2001 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

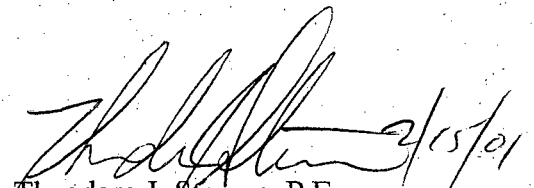
Based on the attached results, currently the compost is classified as **Type B**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type B is restricted to use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
 Central Testing Laboratory



Patricia Snowdon  
 Environmental Specialist



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

Attachments

cc: Mr. Terry Hurst  
 Mr. Gary Breeden

*2/28/01 Trish*

*report from ~~new~~ "revised" version is correct, however, keep this original cover sheet!*

*JS*



HORTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

D.E.P.

FEB 21 2001

12-Feb-2001  
Page 1

Report For:

Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Southwest District Tampa

Sample Identification:

Compost  
Id: Finished Product

Attn: Patricia Snowdon

Date Received: 23-Jan-2001

Laboratory Number: 156368

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 oC	55.3	%
EPA 9045	pH, noncalcareous soils	6.0	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	85.1	%
	Reduction in Organic Matter	16.6	%
EPA/CE-81-1	Total Nitrogen (N)	15800	mg/Kg
	Phosphorus, Total (P)	7500	mg/Kg
EPA 7610	Potassium (K)	5930	mg/Kg
EPA 7130	Cadmium (Cd)	1.8	mg/Kg
EPA 7210	Copper (Cu)	330	mg/Kg
EPA 7420	Lead (Pb)	121	mg/Kg
EPA 7520	Nickel (Ni)	30	mg/Kg
EPA 7950	Zinc (Zn)	1060	mg/Kg

Code 2



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

12-Feb-2001  
Page 2

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Id: Finished Product

Attn: Patricia Snowdon

Date Received: 23-Jan-2001

Laboratory Number: 156368

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
U.S. Standard	Foreign Matter, Retained on 1/4" Screen	9.86	%
	Calculated as a Percent of Total Compost		
	Bones, % of total compost	0	%
	Glass, % of total compost	0.47	%
	Leather, % of total compost	0	%
	Metal, % of total compost	0	%
	Plastic, % of total compost	0.24	%
	Rubber, % of total compost	0.30	%
	Other, % of total compost	8.74	%
SM 9221 E.	Fecal Coliforms, MPN/g dry weight	5400	

THORNTON LABORATORIES, INC.  
Tina Fritz



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

8-Feb-2001  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Id: Raw Product

Attn: Patricia Snowdon

Date Received: 23-Jan-2001

Laboratory Number: 156369

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 oC	54.0	%
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	68.5	%

THORNTON LABORATORIES, INC.  
Tina Fritz

7/1/9/01

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 1/18/01

Subject Compost use

Time 9 AM

Permit No. \_\_\_\_\_

County Sumter

M.s. Cindy Tomkins

Telephone No. 352-793-3368

Representing Sumter County SW

☐ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting \_\_\_\_\_

Terry Hurst

Summary of Conversation/Meeting \_\_\_\_\_

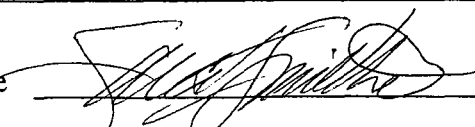
- Spoke with Terry Hurst, he stated that  
compost is being used for road shoulders  
on public works projects

- Cindy stated that she would include this use  
information in all future reports

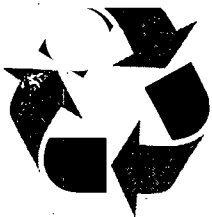
(continue on another  
sheet, if necessary)

Signature

Title

  
ESI, OPS





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

22926  
J4/12  
ok  
file

## Sumter County Solid Waste

4-4-01

**RECEIVED**  
APR 09 2001

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E.  
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 quarterly report on compost for the first quarter of 2001.

Sumter county produced 4819.51 cubic yards of type "A" compost for the first quarter of 2001.

All compost produced at this Facility is stockpiled for future use by the Sumter County Public Works Road and Bridge department and the different municipalities of the County.

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

Sincerely,

Terry Hurst  
Solid Waste Superintendent

TH/ct

Type B compost  
due to zinc over  
900 mg/kg

4/16/01 - Terry was called regarding  
high levels of zinc. Terry  
stated that he would look  
into it and send us a  
letter. *JS*

Terry Hurst, Solid Waste Superintendent

J4/16

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

February 15, 2001

Leesburg

Ms. Susan Pelz

Sumter County Solid Waste Facility  
P.O.Box 1066  
Bushnell, FL 33513

RE: **Revised** First Quarter 2001 Compost Testing Results  
Sumter County Solid Waste Facility

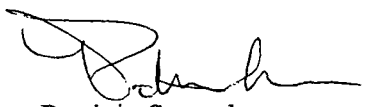
Dear Mr. Pelz:


Central Testing Laboratory has received the results of the **Revised** first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on January 18, 2001 at the facility however it was analyzed in-correctly by the Thornton Laboratory and had to be re-tested therefore changing the results. The errors have since been corrected. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has un-restricted to use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory

  
Patricia Snowdon  
Environmental Specialist

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

## Attachments

cc: Mr. Terry Hurst  
Mr. Gary Breeden

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





T. RANTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

FEB 23 2001

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

12-Feb-2001  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Id: Finished Product

Attn: Patricia Snowdon

Date Received: 23-Jan-2001

Laboratory Number: 156368

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 oC	55.3	%
EPA 9045	pH, noncalcareous soils	6.0	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	85.1	%
	Reduction in Organic Matter	16.6	%
EPA/CE-81-1	Total Nitrogen (N)	15800	mg/Kg
	Phosphorus, Total (P)	7500	mg/Kg
EPA 7610	Potassium (K)	5930	mg/Kg
EPA 7130	Cadmium (Cd)	1.8	mg/Kg
EPA 7210	Copper (Cu)	330	mg/Kg
EPA 7420	Lead (Pb)	121	mg/Kg
EPA 7520	Nickel (Ni)	30	mg/Kg
EPA 7950	Zinc (Zn)	1060	mg/Kg

Typical < 900 mg/kg

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:

February 15, 2001

Leesburg

Ms. Susan Pelz

Sumter County Solid Waste Facility  
P.O. Box 1066  
Bushnell, FL 33513

RE: **Revised** First Quarter 2001 Compost Testing Results  
Sumter County Solid Waste Facility

Dear Mr. Pelz:

Central Testing Laboratory has received the results of the **Revised** first quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on January 18, 2001 at the facility however it was analyzed in-correctly by the Thornton Laboratory and had to be re-tested therefore changing the results. The errors have since been corrected. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has un-restricted to use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory

Patricia Snowdon  
Environmental Specialist

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

## Attachments

cc: Mr. Terry Hurst  
Mr. Gary Breeden

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



MORTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

FEB 23 2001

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

12-Feb-2001  
Page 1

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Id: Finished Product

Attn: Patricia Snowden

Date Received: 23-Jan-2001

Laboratory Number: 156368

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
EPA 160.3	Moisture, 105 oC	55.3	%
EPA 9045	pH, noncalcareous soils	6.0	
ANALYSIS ON DRY BASIS			
EPA 160.4	Organic Matter (550 C)	85.1	%
EPA/CE-81-1	Reduction in Organic Matter	16.6	%
	Total Nitrogen (N)	15800	mg/Kg
	Phosphorus, Total (P)	7500	mg/Kg
EPA 7610	Potassium (K)	5930	mg/Kg
EPA 7130	Cadmium (Cd)	1.8	mg/Kg
EPA 7210	Copper (Cu)	330	mg/Kg
EPA 7420	Lead (Pb)	121	mg/Kg
EPA 7520	Nickel (Ni)	30	mg/Kg
EPA 7950	Zinc (Zn)	1060	mg/Kg



THORNTON LABORATORIES, INC.  
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

1145 EAST CASS STREET, TAMPA, FLORIDA 33602  
P.O. BOX 2880, TAMPA, FLORIDA 33601-2880  
FL DOH# E84100, E84324

TELEPHONE (813) 223-9702  
FAX (813) 223-9332

12-Feb-2001  
Page 2

Report For: Central Testing Laboratory  
723 S. 14th Street  
Leesburg, FL 34748

Sample Identification:

Compost  
Id: Finished Product

Attn: Patricia Snowdon

Date Received: 23-Jan-2001

Laboratory Number: 156368

CERTIFICATE OF ANALYSIS

Method	Parameter	Result	Units
U.S. Standard	Foreign Matter, Retained on 1/4" Screen	1.01	%
	Calculated as a Percent of Total Compost		
	Bones, % of total compost	0	%
	Glass, % of total compost	0.47	%
	Leather, % of total compost	0	%
	Metal, % of total compost	0	%
	Plastic, % of total compost	0.24	%
	Rubber, % of total compost	0.30	%
	Fecal Coliforms, MPN/g dry weight	2600	

THORNTON LABORATORIES, INC.  
Tina Fritz

**THIRD QUARTER 2001 COMPOST SAMPLING EVENT**

**CTL FILE NO. 0084002.300**

**Conducted for**

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

**September 18, 2001**



**CENTRAL TESTING LABORATORY  
LEESBURG, FLORIDA**

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

TYPE A  
CD

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

September 18, 2001

Leesburg

Ms. Susan Pells  
Fl. Dept. of Environmental Protection  
3804 Coconut Palm Drive  
Tampa, FL 33619

RE: **Third** Quarter 2001 Compost Testing Results  
Sumter County Solid Waste Facility

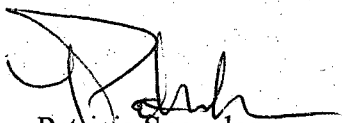
Dear Ms. Pells:

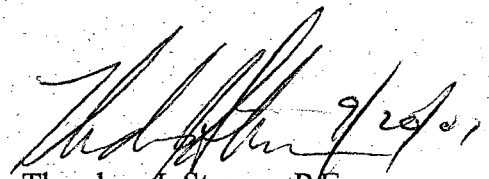
Central Testing Laboratory has received the results of the **third** quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on 7/24/2001 at the facility and sent to Advanced Environmental Laboratory. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has un-restricted to use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory

  
Patricia Snowdon  
Environmental Specialist

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

## Attachments

cc: Mr. Gary 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 Laboratory  
723 S. 14th St.  
Leesburg, FL 34748  
**Contact:** Patricia Snowdon  
**Project Location:** Sumter County Public Works

**Report Number:** T014226  
**Date Reported:** 8/14/2001  
**Date/Time Sampled:** 7/24/01@1310  
**Date/Time Received:** 7/26/01@1545  
**Total Pages:** 2 of 2

**Project Number:**  
**Matrix:** Compost

**Date Analyzed:** 8/1/01@1530  
**Analyst:** JBH

Miscellaneous Analytes

Analytes	Method	MRL	Units	Lab Code: T014226-02	
				Sample Name:	Finish
Foreign Matter on 1/4" Screen					
Calc. as a Percent of Total Compost					
Bones, % of total compost	U.S. Standard		%		ND
Glass, % of total compost	U.S. Standard		%		ND
Leather, % of total compost	U.S. Standard		%		ND
Metal, % of total compost	U.S. Standard		%		ND
Plastic, % of total compost	U.S. Standard		%		ND
Rubber, % of total compost	U.S. Standard		%		ND
Other, % of total compost	U.S. Standard		%		0.093

Approved By:                     

Michael L. Cammarata-Lab Manager


Lab ID: E84589  
Compqap: 980174  
ND Not detected above the MRL  
MRL Method Reporting Limit

**Advanced Environmental Laboratories, Inc.**  
**Analytical Report**

**Client:** Central Testing Lab  
723 S. 14th St.  
Leesburg, Fl 34748  
**Matrix:** Finished Compost  
**Sample ID:** Sumter County Landfill  
**Lab ID:** T014226-02

**Report No.:** T014226  
**Date/Time Sampled:** 7/24/01@1310  
**Date/Time Submitted:** 7/26/01@1545  
**Date Reported:** 8/14/2001  
**Total Pages:** 1 of 2

Storet Code	Parameter Monitored	Analysis Date/Time	Prep/Analysis Method	PRDL	Analysis Result	Data Qualifier	Units	DOH Lab ID	Analyst Initials
N/A	% Moisture	7/30/01@1130	160.3	N/A	49		%	E84589	DMC
N/A	Total Nitrogen	7/31/01@0837	351.2-4500NO3F	50	3500		mg/kg	E84589	DMC
N/A	Fecal (MPN)	8/10/01@1700	SM9221C	10000	2000		CFU/100ml	E84589	MLC
N/A	Total Phosphorus	8/2/01@1200	365.4	50	640		mg/kg	E84589	DMC
00400	Ph	7/30/01@1250	150.1	0.1	6.08		N/A	E84589	DMC
N/A	% Foreign Matter	8/1/01@1530	N/A	1.0	0.093		%	E84589	JBH
N/A	Potassium	8/2/2001	6010B	25	1300		mg/kg	E82574	KC
01027	Cadmium	8/2/2001	6010B	0.25	0.41		mg/kg	E82574	KC
01051	Lead	8/2/2001	6010B	0.5	34		mg/kg	E82574	KC
01042	Copper	8/2/2001	6010B	0.5	320		mg/kg	E82574	KC
01067	Nickel	8/2/2001	6010B	0.5	8.1		mg/kg	E82574	KC
01092	Zinc	8/2/2001	6010B	2.5	210		mg/kg	E82574	KC

Approved By: 

Micheal Cammarata, Laboratory Manager

**Advanced Environmental Laboratories, Inc.**  
**Analytical Report**

**Client:** Central Testing Lab  
723 S. 14th St.  
Leesburg, FL 34748  
**Matrix:** Raw Compost  
**Sample ID:** Sumter County Landfill  
**Lab ID:** T014226-02

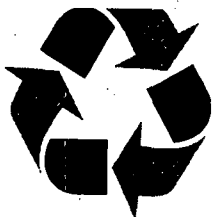
**Report No.:** T014226  
**Date/Time Sampled:** 7/24/01@1310  
**Date/Time Submitted:** 7/26/01@1545  
**Date Reported:** 8/14/2001

Storet Code	Parameter Monitored	Analysis Date/Time	Prep/Analysis Method	PRDL	Dilution Factor	Analysis Result	Units
N/A	Reduction in organic matter	7/30/01@1300	160.4	N/A	N/A	34	%
N/A	% Moisture	7/30/01@1130	160.3	N/A	N/A	42	%

Approved By:



Michael Cammarata, Laboratory Manager



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

0292  
22926  
Sumter Comp

## Sumter County Solid Waste

June 11, 2001

**RECEIVED**  
JUN 13 2001

Department of Environmental Protection  
Attention: Susan J. Pelz, P.E. *SJP*  
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.

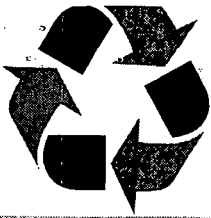
Should you have any questions, please feel free to contact me.

Sincerely,

*Terry Hurst*

Solid Waste Superintendent

*Terry Hurst, Solid Waste Superintendent*



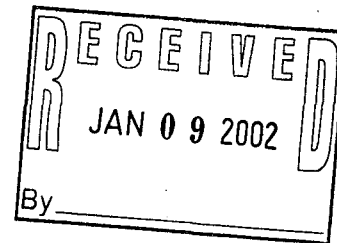
229316

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

## Sumter County Solid Waste

1-7-02

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



Dear Ms. Pelz:

Please accept this as our quarterly report on compost for the fourth quarter of 2001.

Sumter County produced 5,293.46 cu. yds. of type "A" compost for the fourth quarter of 2001.

All compost produced at this Facility is stock-piled for future use by the Sumter Count Public Works Road and Bridge Department and the different municipalities of the County.

If you have any questions, please fell free to contact me.

Sincerely,

Terry Hurst  
Solid Waste Superintendent

TH/ct

Terry Hurst, Solid Waste Superintendent

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

November 20, 2001

Leesburg

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

RE: Fourth Quarter 2001 Compost Testing Results  
Sumter County Solid Waste Facility

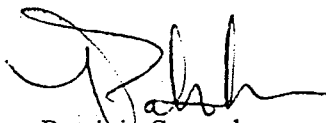
Dear Mr. Hurst:

Central Testing Laboratory has received the results of the Fourth Quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on October 11, 2001 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. We have included a copy for your use.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has un-restricted use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory



Patricia Snowdon  
Environmental Specialist

Attachments

cc: Ms Susan Pells, FDEP  
Mr. Gary Breeden  
Mr. Terry Hurst

Advanced Environmental laboratories, Inc.  
5810D Breckenridge Parkway  
Tampa, FL 33610

Client: Central Testing Lab  
723 S. 14th St.  
Leesburg, FL 34748  
Matrix: Finished Compost  
Sample ID: Sumter County Public Works Finished vs. Raw  
Lab ID: T016129-01

Report No.: T016129  
Date/Time Sampled: 10/11/01@1500  
Date/Time Submitted: 10/16/01@1620  
Date Reported: 11/13/2001  
Total Pages: 1 of 3

Storet Code	Parameter Monitored	Analysis Date/Time	Analysis Method	Detection Limit	Analysis Result	Data Qualifier	Units	DOH Lab ID	Analyst Initials
N/A	% Moisture	11/1/01@1600	160.3	N/A	22		%	E84589	TMH
N/A	Total Nitrogen	10/17/01@1042	351.2-4500NO3F	50	3800		mg/kg	E84589	DMC
N/A	Fecal (MPN)	10/19/01@1030	SM9221C	10000	400		CFU/100mg	E84589	SS
N/A	Total Phosphorus	10/18/01@1352	365.4	50	1900		mg/kg	E84589	DMC
00400	Ph	10/17/01@1130	150.1	0.1	5.8		N/A	E84589	JBH
N/A	% Foreign Matter	11/5/01@1700	N/A	1	1.41		%	E84589	JBH
N/A	Potassium	10/19/2001	6010B	25	1600	J4	mg/kg	E82574	KC
01027	Cadmium	10/19/2001	6010B	0.25	0.65		mg/kg	E82574	KC
01051	Lead	10/19/2001	6010B	0.5	22	J4	mg/kg	E82574	KC
01042	Copper	10/19/2001	6010B	0.5	83		mg/kg	E82574	KC
01067	Nickel	10/23/2001	6010B	0.5	12		mg/kg	E82574	KC
01092	Zinc	10/23/2001	6010B	2.5	170		mg/kg	E82574	KC

Approved By:

Micheal Cammarata, Laboratory Manager

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

J4=Matrix Interference

U=Not Detected Above The Detection 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  
Compost Finished Vs. Raw  
Project Number:  
Matrix: Soil

Report Number: T016129  
Date Reported: 11/14/2001  
Date/Time Sampled: 10/11/01@1500  
Date/Time Received: 10/16/01@1620  
Total Pages: 2 of 3

Miscellaneous Analytes

Analytes	Method	MRL	Units	Lab Code: T016129-01	
				Sample Name:	Finish
Foreign Matter on 1/4" Screen					
Calc. as a Percent of Total Compost					
Bones, % of total compost	U.S. Standard		%		0.0
Glass, % of total compost	U.S. Standard		%		0.71
Wood, % of total compost	U.S. Standard		%		0.70
Metal, % of total compost	U.S. Standard		%		0.0
Plastic, % of total compost	U.S. Standard		%		0.0
Rubber, % of total compost	U.S. Standard		%		0.0
Total % of compost	U.S. Standard		%		1.41

Approved By: Michael L. Cammarata-Lab Manager

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



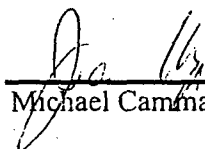
Advanced Environmental laboratories, Inc.  
5810D Breckenridge Parkway  
Tampa, FL 33610

Client: Central Testing Lab  
723 S. 14th St.  
Leesburg, FL 34748  
Matrix: Raw Compost  
Sample ID: Sumter County Landfill  
Lab ID: T016129-02

Report No.: T016129  
Date/Time Sampled: 10/11/01@1515  
Date/Time Submitted: 10/16/01@1620  
Date Reported: 11/13/2001  
Total Pages: 2 of 3

Storet Code	Parameter Monitored	Analysis Method	Detection Limit	Analysis Result	Data Qualifier	Units	DOH Lab ID	Analyst Initials
N/A	Reduction in organic matter	160.4	N/A	13		%	E84589	TMH
N/A	% Moisture	160.3	N/A	24		%	E84589	TMH

Approved By:

 FOR  
Michael Cammarata, Laboratory Manager

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

U = Not Detected Above the Detection Limit

22926  
D.E.P.  
NOV 26 2001  
Southwest District Tampa

**Sumter County Public Works  
4<sup>th</sup> Quarter Compost Sampling Event**

**CTL FILE NO. 0084002.300**

**Conducted for**

**Mr. Gary Breeden**

**November 20, 2001**



**CENTRAL TESTING**

**LEESBURG, FLORIDA**

**LABORATORY**

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

11/29/01 -  
Type A

*Patricia Snowdon*

# Central Testing Laboratory

Engineering and Materials Testing

Reply to:

November 20, 2001

Leesburg

Mr. Terry Hurst  
Sumter County Public Works  
319 E. Anderson St.  
Bushnell, FL 33513

**D.E.R.**  
**NOV 26 2001**  
**Southwest District Tampa**

RE: Fourth Quarter 2001 Compost Testing Results  
Sumter County Solid Waste Facility


Dear Mr. Hurst:

Central Testing Laboratory has received the results of the Fourth Quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on October 11, 2001 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste. We have included a copy for your use.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has un-restricted use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory

  
Patricia Snowdon  
Environmental Specialist

Attachments

  
Mr. Gary Breeden



Advanced Environmental laboratories, Inc.  
5810D Breckenridge Parkway  
Tampa, FL 33610

Client: Central Testing Lab  
723 S. 14th St.  
Leesburg, FL 34748  
Matrix: Finished Compost  
Sample ID: Sumter County Public Works Finished vs. Raw  
Lab ID: T016129-01

Report No.: T016129  
Date/Time Sampled: 10/11/01@1500  
Date/Time Submitted: 10/16/01@1620  
Date Reported: 11/13/2001  
Total Pages: 1 of 3

Storet Code	Parameter Monitored	Analysis Date/Time	Analysis Method	Detection Limit	Analysis Result	Data Qualifier	Units	DOH Lab ID	Analyst Initials
N/A	% Moisture	11/1/01@1600	160.3	N/A	22		%	E84589	TMH
N/A	Total Nitrogen	10/17/01@1042	351.2-4500NO3F	50	3800		mg/kg	E84589	DMC
N/A	Fecal (MPN)	10/19/01@1030	SM9221C	10000	400		CFU/100mg	E84589	SS
N/A	Total Phosphorus	10/18/01@1352	365.4	50	1900		mg/kg	E84589	DMC
00400	Ph	10/17/01@1130	150.1	0.1	5.8		N/A	E84589	JBH
N/A	% Foreign Matter	11/5/01@1700	N/A	1	1.41		%	E84589	JBH
N/A	Potassium	10/19/2001	6010B	25	1600	J4	mg/kg	E82574	KC
01027	Cadmium	10/19/2001	6010B	0.25	0.65		mg/kg	E82574	KC
01051	Lead	10/19/2001	6010B	0.5	22	J4	mg/kg	E82574	KC
01042	Copper	10/19/2001	6010B	0.5	83		mg/kg	E82574	KC
01067	Nickel	10/23/2001	6010B	0.5	12		mg/kg	E82574	KC
01092	Zinc	10/23/2001	6010B	2.5	170		mg/kg	E82574	KC

Approved By:

Micheal Cammarata, Laboratory Manager

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

J4=Matrix Interference

U=Not Detected Above The Detection 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  
Compost Finished Vs. Raw  
**Project Number:**  
**Matrix:** Soil

**Report Number:** T016129  
**Date Reported:** 11/14/2001  
**Date/Time Sampled:** 10/11/01@1500  
**Date/Time Received:** 10/16/01@1620  
**Total Pages:** 2 of 3

**Miscellaneous Analytes**

Analytes	Method	MRL	Units	Lab Code: T016129-01	
				Sample Name:	Finish
Foreign Matter on 1/4" Screen					
Calc. as a Percent of Total Compost					
Bones, % of total compost	U.S. Standard		%		0.0
Glass, % of total compost	U.S. Standard		%		0.71
Wood, % of total compost	U.S. Standard		%		0.70
Metal, % of total compost	U.S. Standard		%		0.0
Plastic, % of total compost	U.S. Standard		%		0.0
Rubber, % of total compost	U.S. Standard		%		0.0
Total % of compost	U.S. Standard		%		1.41

Approved By: 

Michael L. Cammarata-Lab Manager

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

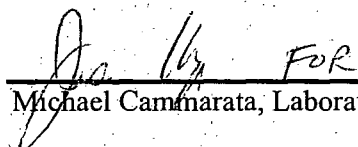
Advanced Environmental laboratories, Inc.  
5810D Breckenridge Parkway  
Tampa, FL 33610

Client: Central Testing Lab  
723 S. 14th St.  
Leesburg, FL 34748  
Matrix: Raw Compost  
Sample ID: Sumter County Landfill  
Lab ID: T016129-02

Report No.: T016129  
Date/Time Sampled: 10/11/01@1515  
Date/Time Submitted: 10/16/01@1620  
Date Reported: 11/13/2001  
Total Pages: 2 of 3

Storet Code	Parameter Monitored	Analysis Method	Detection Limit	Analysis Result	Data Qualifier	Units	DOH Lab ID	Analyst Initials
N/A	Reduction in organic matter	160.4	N/A	13		%	E84589	TMH
N/A	% Moisture	160.3	N/A	24		%	E84589	TMH

Approved By:

  
Michael Cammarata, Laboratory Manager

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

U = Not Detected Above the Detection Limit

## Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

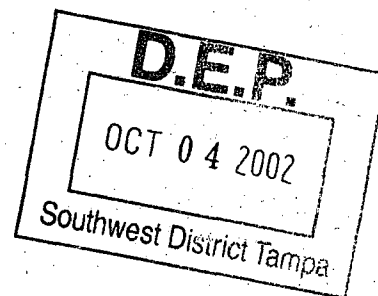
Reply to:

September 30, 2002

Leesburg

Fl. Dept. of Environmental Protection  
3804 Coconut Palm Drive  
Tampa, FL 33619  
Attn: Ms Susan Pelz

RE: Third Quarter 2002 Compost Testing Results  
Sumter County Solid Waste Facility



Dear Ms. Pelz:

Central Testing Laboratory has received the results of the Third Quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on August 27, 2002 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,  
Central Testing Laboratory

A handwritten signature in dark ink, appearing to read "Patricia Snowden".

Patricia Snowden  
Environmental Specialist

A handwritten signature in dark ink, appearing to read "Theodore J. Strouse".

Theodore J. Strouse, P.E.  
Fl. Reg. No. 48220 10/1/02

## Attachments

cc: Ms Susan Pelz  
Mr. Gary Breeden  
Mr. Terry Hurst



# Advanced Environmental Laboratories, Inc.

## Analytical Report

Client: Central Testing Lab.  
Project Name: Sumter County Public Works  
Matrix: Soils/Solids

Report No.: T025982  
Date/Time Sampled: 8/27/02 10:55  
Date/Time Received: 8/27/02 16:30

Lab Code: T025982-01  
Client Sample ID: Finished compost

Sampled By: Al Kerr  
Shipping Method: AEL Pick-up

### Metals

Analytes:	Lab	Dilution	MRL	Results	Units	Qualifier	Analysis Method	Analysis Date/Time	Prep Method	Prep Date/Time	Analyst
* Cadmium	J	1	0.25	0.66	mg/Kg		6010B	9/13/02 15:39		9/13/02 8:53	KC
* Copper	J	1	0.50	110	mg/Kg		6010B	9/13/02 15:39		9/13/02 8:53	KC
* Lead	J	1	0.50	37	mg/Kg		6010B	9/13/02 15:39		9/13/02 8:53	KC
* Nickel	J	1	0.50	12	mg/Kg		6010B	9/13/02 15:39		9/13/02 8:53	KC
* Potassium	J	10	500	4000	mg/Kg		6010B	9/13/02 15:39		9/13/02 8:53	KC
* Zinc	J	1	2.5	250	mg/Kg		6010B	9/13/02 15:39		9/13/02 8:53	KC

### Miscellaneous Analytes

Analytes:	Lab	Dilution	MRL	Results	Units	Qualifier	Analysis Method	Analysis Date/Time	Prep Method	Prep Date/Time	Analyst
% Moisture	T	1	0.10	46	%		SM2540G	8/28/02 15:00			DLS
Fecal Coliform (MPN)	T	1	2.9	510	cfu/100ml		SM9221E	9/6/02 16:30			DMF
Nitrate (as N)	T	1	0.050	2.7	mg/Kg		SM4500NO3-F	9/3/02 14:44			DC
Nitrate + Nitrite (as N)	T	1	0.50	15	mg/Kg		SM4500NO3-F	9/3/02 14:44			DC
Nitrite (as N)	T	1	0.050	13	mg/Kg		SM4500NO3-F	9/3/02 14:44			DC
pH	T	1		6.0	pH Units		9045c	9/4/02 8:20			RL
Total Nitrogen	T	1	0.050	56000	mg/Kg		calculation	9/5/02 10:00			DC
Total Phosphorus (as P)	T	1	0.020	10000	mg/Kg		365.4	9/5/02 13:30			DC

All soil results are reported in dry weight basis

MRL Method Reporting Limit

J DOH certification #E82574 (AEL-JAX) (FL NELAC certification)

T DOH certification #E84589, Compqap #980174 (AEL-Tampa)

- \* Comment for Cadmium -- Result reported mg/Kg as received.
- \* Comment for Copper -- Result reported mg/Kg as received.
- \* Comment for Lead -- Result reported mg/Kg as received.
- \* Comment for Nickel -- Result reported mg/Kg as received.
- \* Comment for Potassium -- Result reported mg/Kg as received.
- \* Comment for Zinc -- Result reported mg/Kg as received.



# Advanced Environmental Laboratories, Inc.

## Analytical Report

**Client:** Central Testing Lab.  
**Project Name:** Sumter County Public Works  
**Matrix:** Soils/Solids

**Report No.:** T025982  
**Date/Time Sampled:** 8/27/02 9:55  
**Date/Time Received:** 8/27/02 16:30

**Lab Code:** T025982-02  
**Client Sample ID:** Raw

**Sampled By:** Al Kerr  
**Shipping Method:** AEL Pick-up

### Miscellaneous Analytes

Analytes:	Lab	Dilution	MRL	Results	Units	Qualifier	Analysis Method	Analysis Date/Time	Prep Method	Prep Date/Time	Analyst
% Moisture	T	1	0.10	45	%		SM2540G	8/28/02 15:00			DLS
Reduction of Organic Matter	T	1		79	%		US Standard	8/29/02 10:00			DLS

All soil results are reported in dry weight basis

MRL Method Reporting Limit

T DOH certification #E84589, Compqap #980174 (AEL-Tampa)



- ❑ Jacksonville: 6601 Southpoint Parkway, Jacksonville, FL 32216 • (904) 363-9350 Fax (904) 363-9354
- ❑ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 Fax (813) 630-4327
- ❑ Gainesville: 2106 NW 67th Place, Suite 7, Gainesville, FL 32606 • (352) 367-1500 Fax (352) 367-0050

## LAB NUMBER:

Page \_\_\_\_\_ of \_\_\_\_\_

WW= waste water    SW=surface water    GW=ground water    DW=drinking water    OIL    A=air    SO=soil    SL=sludge    Preserv

[illegible]

I = Ice    H = (HCl)    S = (H<sub>2</sub>SO<sub>4</sub>)    N = (HNO<sub>3</sub>)    T = (Sodium Thiosulfate)

Relinquished by ✓

Date      Time

Received by:

Date      Time

Shipment	Method	Sample Kit	Cooler #	1						
Out: / /	Via:	RB	D/T	2						
		AB	D/T	3						
Ret: / /	Via:	Trip Bl.		4						
		<input type="checkbox"/>	<input type="checkbox"/>							



- ❑ Jacksonville: 6601 Southpoint Parkway, Jacksonville, FL 32216 • (904) 363-9350 Fax (904) 363-9354
- ❑ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 Fax (813) 630-4327
- ❑ Gainesville: 2106 NW 67th Place, Suite 7, Gainesville, FL 32606 • (352) 367-1500 Fax (352) 367-0050

LAB NUMBER: 702548

Page \_\_\_\_\_ of \_\_\_\_\_

[illegible]

I = Ice    H = (HCl)    S = (H<sub>2</sub>SO<sub>4</sub>)    N = (HNO<sub>3</sub>)    T = (Sodium Thiosulfate)

Shipment Out: / /	Method Via: _____	Sample Kit RB _____ AB _____ Trip Bl. <input type="checkbox"/>	Cooler # D/T _____ D/T _____	1	2	3	4
Ret: / /	Via: _____	<input type="checkbox"/>	<input type="checkbox"/>	1	2	3	4

# Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

September 6, 2002

Sumter County Solid Waste Facility  
Sumterville, FL

Foreign Matter Content Of Compost Made From Solid Waste  
(Procedure per 62-709.530(f))

Date Sample Collected: 8/27/2002

Date Tested: 9/9/2002

Technician: Patricia Snowden**Sample #1**

Total Dry Sample Weight	345.06g
Tare No. 1 Weight	- 15.54g
Net Dry Sample Weight	329.52g

Total Dry Inorganic Weight	99.52g
Less Tare Weight	- 15.54g
Net Dry Inorganic Weight	83.98g

Foreign Matter Content:	Total Weight	83.98g	Percent	0%
-------------------------	--------------	--------	---------	----

Consisting of:	
Glass	0%
Metal	0%
Leather	0%
Plastic	0%

(Wt Separated Divided By Wt Total= %)

**Formula:**

Foreign Matter Content  
----- X 100 = % Foreign Matter  
Total Dry Sample Weight

5400 S. Florida Avenue  
Inverness, FL 34450  
(352) 726-6447

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

1 Sumter County  
(352) 793-3639

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

