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K7F.

THE AMERICAN RECYCLING COMPANY, INC.

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Recycled Paper—Use It!

D.E.R.

July 27, 1992

JUL 29 1992

John W. Springstead, PE
Springstead Engineering, Inc.
727 South 14th Street
Leesburg, FL 34748

SOUTHWEST DISTRICT TAMPA

Re: Sumter Compost Facility - Permit Application S060-211179

Dear John,

As we discussed last week, I have computed a reasonable estimate of the time required to empty the storage cell of its processed and stored fluff by utilizing all three pads and existing equipment. Please note that the larger 18' Scarab is assumed as "existing", since its purchase is planned to be concurrent with completion of the leachate management system.

The attached analysis indicates that 1 year 4 months is a reasonable lower bound estimate. If the 14' model Scarab is not replaced, a conservative estimate of cell emptying time would be on the order of 4 years and 2 months.

No credit has been taken for decomposition which has occurred already in the cell. All material is assumed to require an 8 week pad residence which, with row combining, equates to a 6 week residence time from the standpoint of windrow space utilization.

For your assistance interpreting the computer model output, the attached page provides reference notes. If you have any questions, feel free to call.

Yours truly,

Laurence B. Oeth PE
Amerecycle

7/27/92

cc: Kim Ford, FDER (by Hand)
Garry Breeden, Sumter County
Ric Gray, Amerecycle

enclosures: 10 Pages Calculations dated 7/27/92
Sumter Windrow Utilization Computer Output
Reference Notes to Model

WINDROW UTILIZATION MODEL NOTES

The model contains all windrows, at their exact lengths, for the three pad Sumter facility. Pad A is located just east of the MRF/VRS, Pad B is nearest the office and Pad C is the currently permitted composting pad. As fluff exits the MRF/VRS, it is placed in the next available windrow on either Pad A or B, with Pad C held for "overflow". The model then counts how many times Pad C windrows must be utilized in the analysis period.

Output Labels:

RowID - Label identifying each windrow at Sumter. See computation sheets for layout.

Ltot - Total length of each windrow when filled to the maximum.

LfldTot - Current length of windrow filled for that process day.

Age - Weighted average age of the windrow. Note that a given windrow may take more than one day to fill, and combined windrows are of differing ages.

Status - E=Empty, F=Full, R=Ready for combining, C=Combined, H=Ready for Harvest (This never shows up).

Process Date - Number of Process Days since beginning of model run. There are 6 Process Days/Week and 312 Process Days/Year.

Fluff density, windrow volume and fluff fraction are per measurements made during operation of the facility.

D.E.R.

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SOUTHWEST DISTRICT TAMP/

D.E.R.

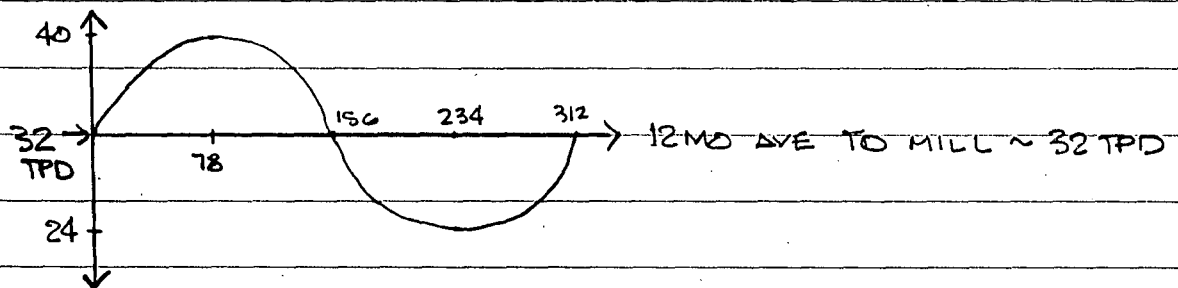
CELL EMPTYING

JUL 29 1992

ASSUMPTIONS -

SOUTHWEST DISTRICT TAMPA

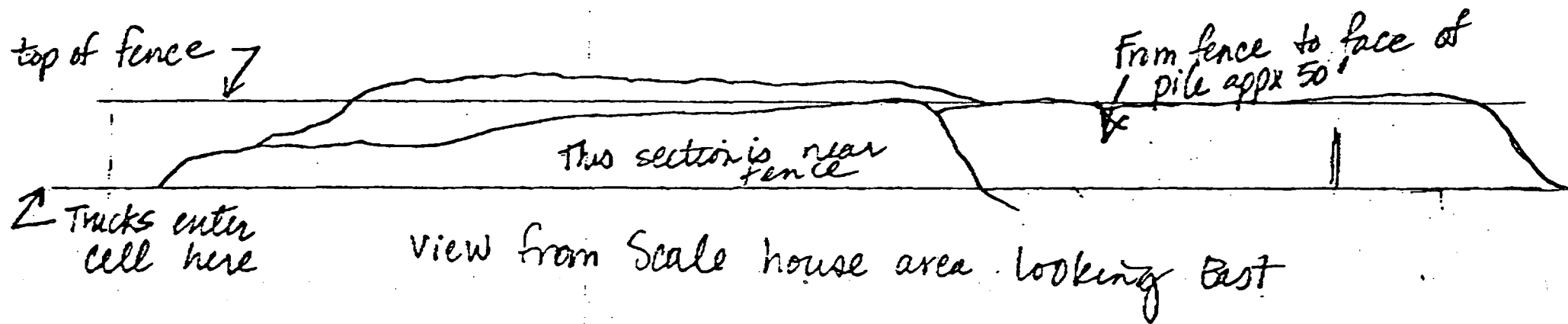
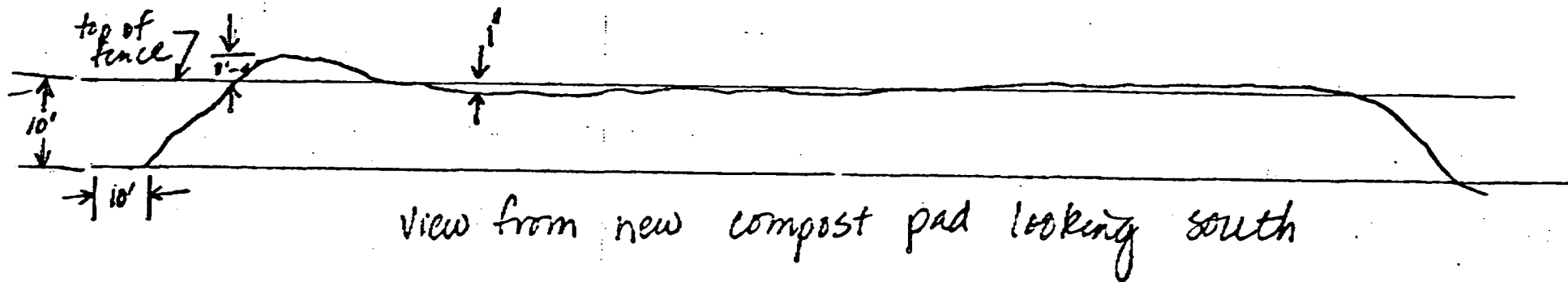
- 1) VOLUME IN CELL, SEE PAGES 2 & 3
- 2) NEW SCARPS, WINDROW VOL/LENGTH PER PAGE 4
- 3) PAD/WINDROW LAYOUTS, PAGES -
- 4) MAINTAIN CURRENT FLOW RATE @ 32 TPD
- 5) INCLUDE SEASONAL PEAKING @ .75 - 1.25



MODEL PEAKING EFFECT W/ SINUSOID

- 6) PAD TIME : 4 WKS TO COMBINE +
4 ADD'L WEEKS TO HARVEST
- 7) SCREENING ON PAD C, BATCH MODE. SETUP EVERY
3RD MONTH FOR 200 PROCESS DAYS OF SCREENING.
THUS, PAD C IS AVAILABLE TO WINDROW
9 WKS OUT OF 13 WKS PER QUARTER. ASSUME
HARVEST/STOCKPILE RESULTS IN ONLY 8 ROWS
FITTING ON PAD C.
- 8) FILL PAD A 1ST, THEN PAD B.
CAPACITY (& CELL EMPTYING RATE) WILL BE GOVERNED
BY AVAILABILITY OF WINDROW SPACE ON PAD B.

RUN MODEL 3 PROCESS YEARS (= FLOW CYCLES)
WHICH IS 936 PROCESS DAYS.



Post-it brand fax transmittal memo 7671		1 of pages	
To	Larry Oeth	From	Tom Tucker
Co	Amesys	Co	
Dept		Phone	
Fax		Call if you have questions	

7/21

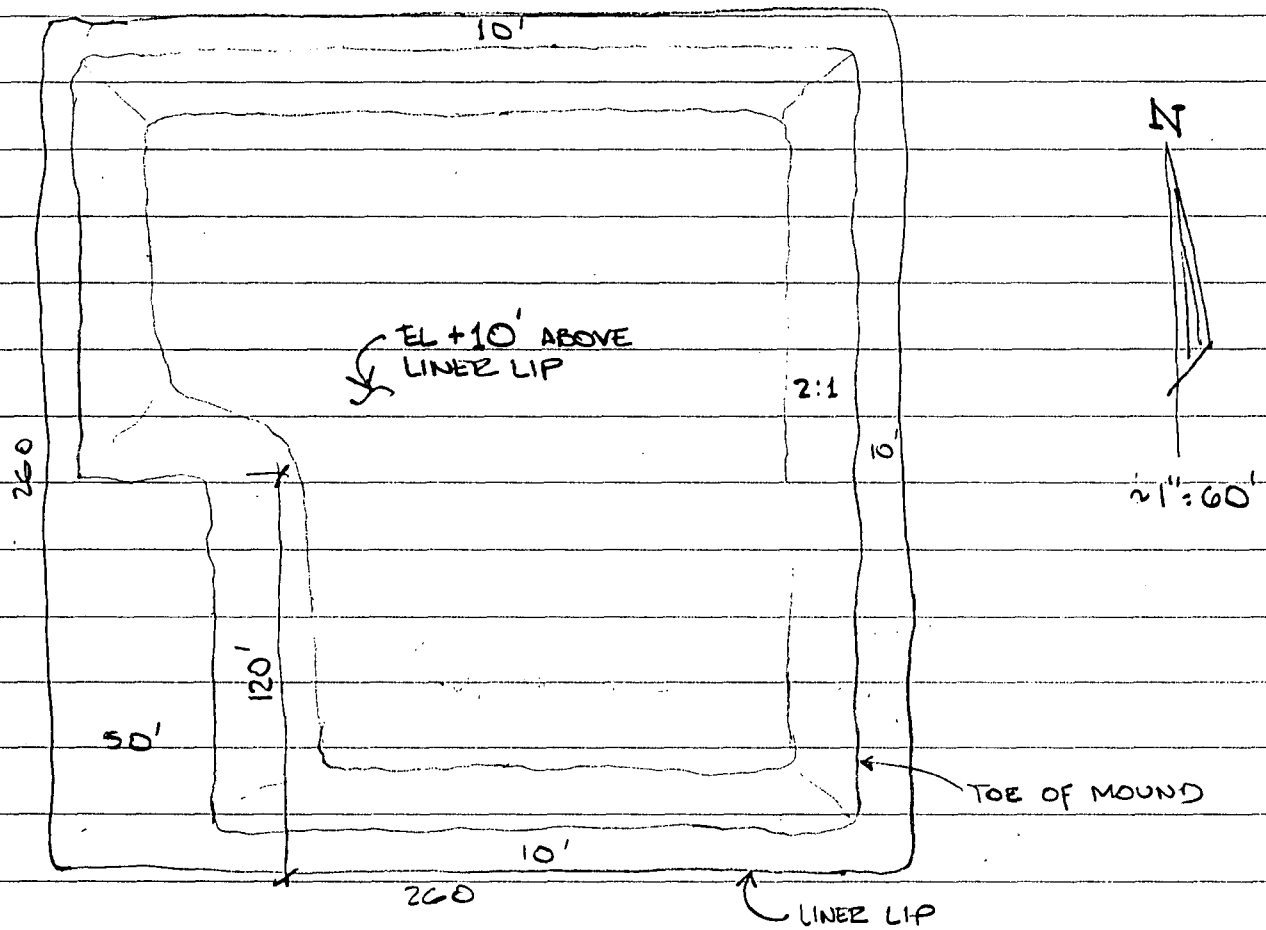
LB 7/27/92
2 OF 10

VOLUME CURRENTLY STORED -

CELL VOLUME TO LIP = 27,000 CY

MOUND VOLUME (APPROX.) = 16,346 CY

43,346 CY

SPRINGSTEAD
ENGINEERING
PHONE 713/9
JOY.

BASE AREA = 53,200 #

MID AREA = 44,000 #

TOP AREA = 35,600 #

$$VOL = \frac{h}{6} (A_t + 4A_m + A_b) = 16,346 CY$$



SCARAB®

SCARAB Manufacturing and Leasing, Inc.

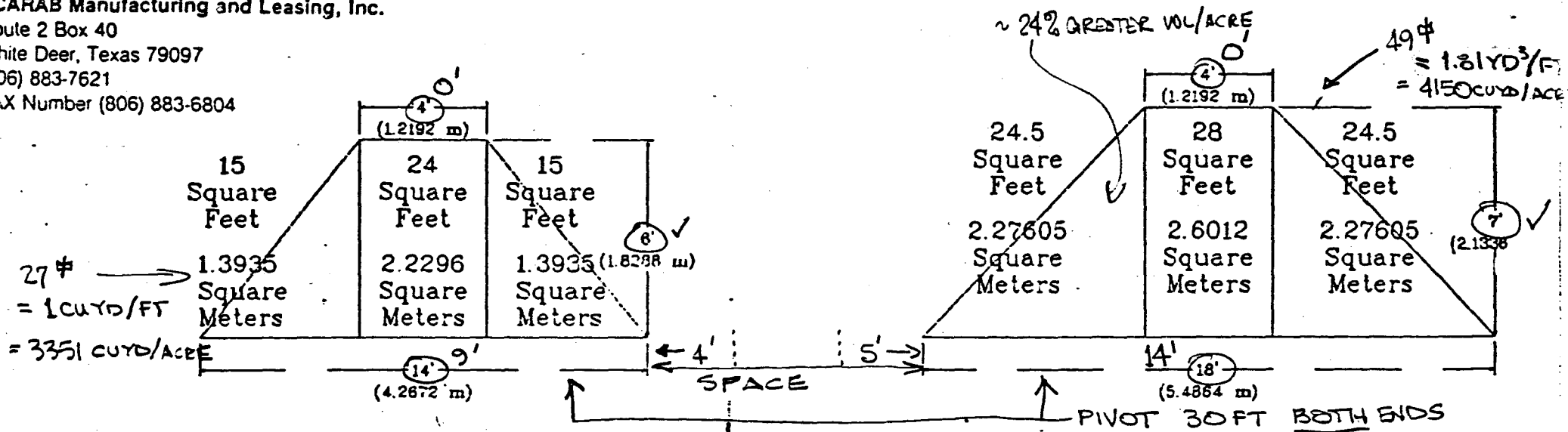
Route 2 Box 40

White Deer, Texas 79097

(806) 883-7621

FAX Number (806) 883-6804

ACTUAL WINDROWS @ SUMTER
PER R I C G.



15 ft + 15 ft + 24 ft = 54 sq ft
 1 ft of windrow x 54 sq ft = 54 cu ft
 54 cu ft / 27 = 2 yards per foot of length

1 ft of windrow covers 14 ft + 8 ft
 between windrows = 20 sq ft
 54 cu ft per 20 sq ft =
 2.7 cu ft per sq ft

43,560 sq ft x 2.7 cu ft per sq ft =
 117,612 cu ft of material per acre

1.3935 m + 1.3935 m + 2.2296 m = 5.0166 sq m
 1 m of windrow x 5.0166 sq m = 5.0166 cu m
 5.0166 cu m / 27 = .1858 cu m per meter of length

1 m of windrow covers 4.2672 m + 1.8288 m
 between windrows = 6.096 sq m

5.0166 cu m per 6.096 sq m =
 .8229 cu m per sq m

10,000 sq m x .8229 cu m per sq m =
 8229.33 cu m of material per hectare

24.5 ft + 24.5 ft + 28 ft = 77 sq ft
 1 ft of windrow x 77 sq ft = 77 cu ft
 77 cu ft / 27 = 2.852 yards per foot of length

1 ft of windrow covers 18 ft + 6 ft
 between windrows = 24 sq ft
 77 cu ft per 24 sq ft =
 3.21 cu ft per sq ft

43,560 sq ft x 3.21 cu ft per sq ft =
 139,827.6 cu ft of material per acre

2.27605 m + 2.27605 m + 2.6012 m = 7.1542 sq m
 1 m of windrow x 7.1542 sq m = 7.1542 cu m
 7.1542 cu m / 27 = .2650 cu m per meter of length

1 m of windrow covers 5.4864 m + 1.8288 m
 between windrows = 7.3152 sq m

7.1542 cu m per 7.3152 sq m =
 .9780 cu m per sq m

10,000 sq m x .9780 cu m per sq m =
 9780.01 cu m of material per hectare

LB 7/27/92
 4 OF 10

UBO 7/27/92

5 OF 10

FUTURE FACILITIES (BY OTHERS)

X 12/17/91

1" = 40'
LARGE SCRAP
@ 1.81 YD³/FT

1928 LF

3490 cu YD

POSTS TO BE LOCATED AFTER LOCATING GAS VENT LINES

INSIDE OF
N. 9436
E. 9765

CONCRETE CURB ON ASPHALT

10' - 0" CHAINLINK FENCE & POSTS (NO FABRIC)
ON NORTH, WEST, AND SOUTH SIDE OF ASPHALT SURFACE

SOUTH COMPOST PAD AREA = 1.24 AC.

EXISTING ASPHALT SURFACE

GAS VENT

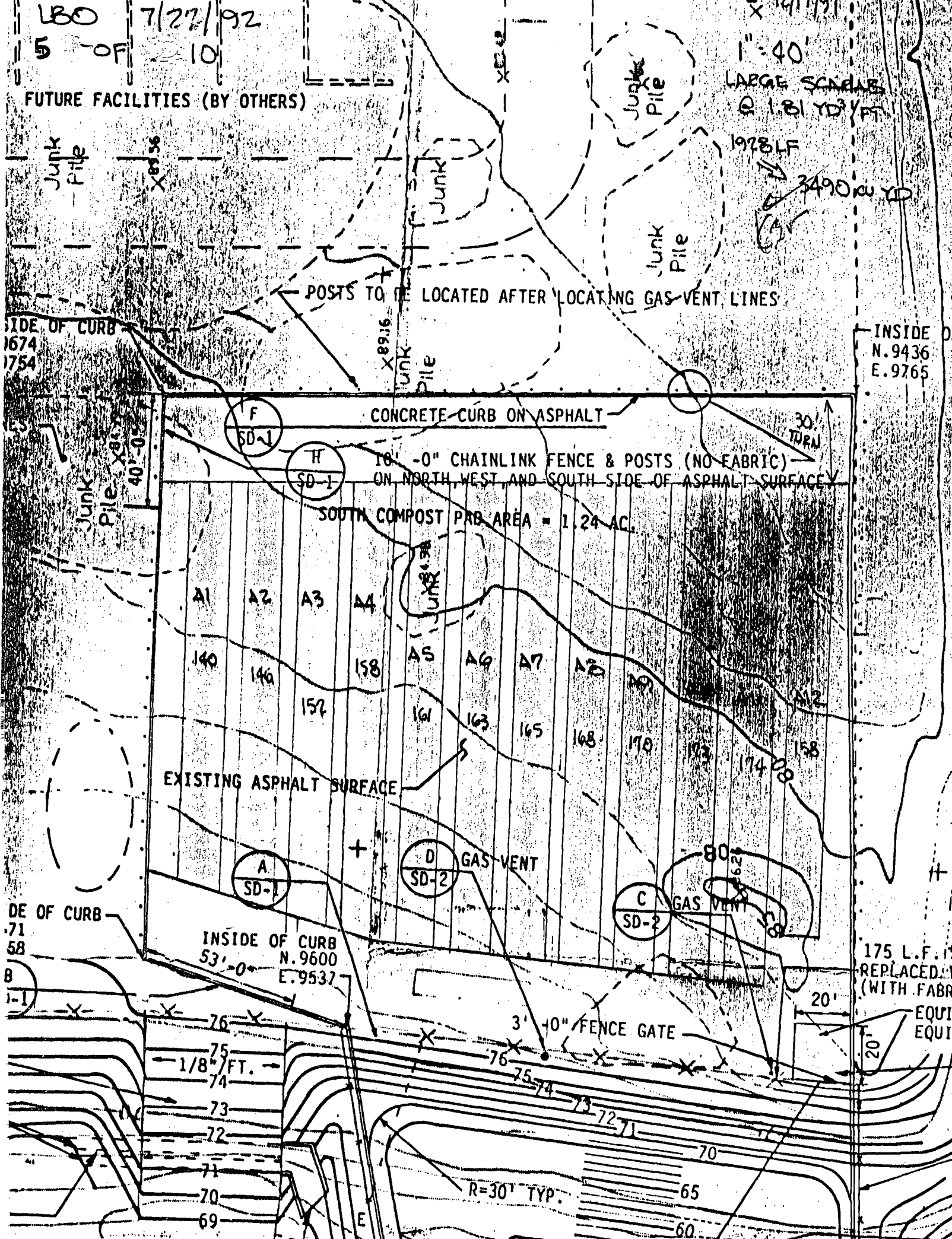
GAS VENT

175 L.F. ±
REPLACED W.
(WITH FABRIC)
EQUIP
EQUIP

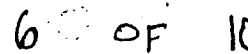
3' - 40" FENCE GATE

1/8" / FT.

R=30' TYP.



✓ 3515 CUYD



CURING PILE \rightarrow 4 WKS PRODUCTION

$$= 213.6 * 4 * 6 / 2$$

$$= 2563 \text{ YD}^3$$

1:2 SIDE SLOPES, PYRAMID = $\frac{1}{3}(A_{\text{base}})(\text{height})$ LONG PILE 132' E-W \times 50' N-S

$$\rightarrow h = 12.5'$$

$$V = 12.5(50)(\frac{1}{2})(132 - 2(12.5 * 2)) / 27$$

$$= 949 \text{ CU YD TOO SMALL}$$

WIDTH/HEIGHT REQ'D \approx W = 135' h \approx 33'

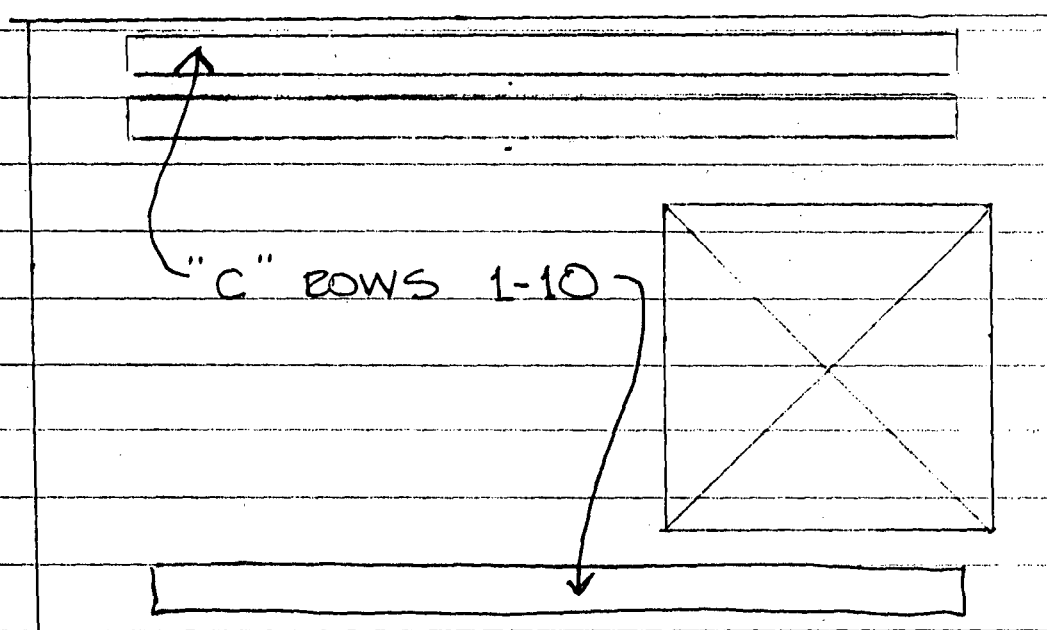
$$\text{PYRAMID } V_{135} = 7425 \text{ CU YD}$$

$$W = 75' \quad h \approx 18.75'$$

$$V_{75} = 1302 \text{ CU YD}$$

$$W = 90' \quad h \approx 22.5'$$

$$V_{90} = 2250 \text{ CU YD}$$

SAY PILE \sim 100' SQ BASE \times 25' HIGHOLD
PAD
190' \times 315'

PAD B AVAILABILITY - DAYS 1 - 936

- ASSUME EACH TIME FILLED REMOVES 8 WKS = 48 PROCESS DAYS
- IF 48 DAYS ARE OPEN BETWEEN ROW'S FILLINGS/HARVESTING (96 DAYS TOTAL), ROW IS AVAILABLE.

ROW	SEGMENTS AVAILABLE	LENGTH	AVAILABLE PROCESS DAYS
B1	^② 165-263; ^① 311-357; ^① 405-463; ^① 511-588; ^① 793-846	294	288
B2	^① 221-303; ^① 351-405; ^① 453-519; ^① 567-651; ^③ 764-913	314	336
B3	^① 1-67; ^③ 192-332; ^③ 484-627; ^② 820-936	314	432
B4	^② 1-98; ^⑤ 146-386; ^⑤ 434-688; ^③ 786-936	314	720
B5	^⑧ 1-414; ^⑨ 462-936	270	816
B6		236	936
B7		200	936
		<u>①</u>	<u>②</u>

$$\text{TOTAL CUBIC YARD - DAYS} = 1.81 * \text{SUMPRODUCT } \textcircled{A} * \textcircled{B}$$

$$= 2,136,379 \text{ CY-DAYS} / 3 \text{ YRS}$$

$$\text{PAD C CY-DAYS} = 8 * 255 * 1.81 * (36 - 12) * 20$$

$$= 2,304,058 \text{ CY-DAYS} / 3 \text{ YRS}$$

$$\text{AVERAGE FACILITY AVAILABLE / MONTH} = \frac{4,440,437}{36}$$

$$= 123,345 \text{ CY-DAYS/MO}$$

CELL EMPTYING TIME - • AVE PAD RETENTION TIME OF
6 WKS INCLUDING ROW COMBINATION
EFFECTS $[4 + 1/2 \times 4 = 6 \text{ wks}]$

- FLUFF FACTOR = 1.2, REPRESENTS "MEMORY" OR
DE-COMPRESSION AVERAGE FROM TOP (1.0) TO
BOTTOM (1.4) OF CELL+PILE.
- TAKE NO CREDIT FOR DECOMPOSITION WHICH
HAS ALREADY OCCURED.

$$\text{MONTHS TO EMPTY} = \frac{1.2 \times 43,346 \times (6 \times 6)}{123,345}$$

$$= 15.18$$

<p>SAY ± 16 MONTHS TO EMPTY DEFINITELY < 2 YEARS</p>
--

OK
(CA)

EMPTYING TIME W/ EXSTG SCARAB -

PADS A & B FULL USED

PAD C - COMPUTER RUN @ 1 CY/LF WINDROW

3 YRS

AVAILABLE ROW DAYS -

ROW		DAYS	LF
C1	^② 202 - 323; ^③ 484 - 648; ^③ 756 - 936	384	255
C2	^③ 177 - 350; ^④ 459 - 658; ^③ 780 - 936	480	↓
C3	^⑤ 110 - 354; ^③ 497 - 673; ^③ 757 - 936	528	
C4	^④ 1 - 75; ^④ 152 - 388; ^⑤ 436 - 697; ^② 806 - 936	576	
C5	^② 1 - 107; ^⑤ 155 - 399; ^③ 771 - 936	480	
C6	ALL	936	
C7	↓	936	↓
C8	↓	936	
C9, C10 = 0, RESERVED FOR SCREENING STOCKPILE		①	②

$$\text{CY-DAYS/MO} = \frac{1.0 \times \text{SUMPRODUCT } \textcircled{A} \times \textcircled{B}}{36} = 37,230 \text{ CY-DAY/MO}$$

$$\text{MONTHS TO EMPTY} = \frac{1.2 \times 43,346 \times (6 \times 6)}{37,230}$$

≈ 50 MONTHS

D.E.R.

JUL 29 1992

SOUTHWEST DISTRICT TAMPA
SUMTER COUNTY WINDROW UTILIZATION MODEL
USING NEW SCARAB, 3 EXISTING PADS & CURRENT FLOW RATE

by Laurence B. Oeth PE

copyright December 1991

Tons per day into facility = 32.00 TPD
Seasonal peaking factors = 125.0% High
75.0% Low

Fraction of facility input which becomes fluff = 0.91
Density of fluff placed into windrows, Lb/CuYd = 600.00
Fluff volume to be windrowed per day, CuYd = 97.60
Cubic Yard Volume per LF of windrow = 1.81
Daily windrow length filled by fresh fluff, LF = 53.92

Total length of windrows available, LF all pads = 6420

WITHOUT COM FLUFF

$\frac{6420}{50 \text{ DAY}} = 128 \text{ DAYS TO FILL}$
 $= 12 \text{ WKS TO FILL}$

REMOVE 50' PER DAY
IN 8 WKS

8 WKS < 12 WKS OK
KNOW

Page 1

450 DAYS TO
EMPTY CELL
< 2 YRS

$\frac{45000 \text{ CY}}{100 \text{ CY/DAY}} = 450 \text{ DAYS}$
OK KNOW

WITH COM FLUFF

$\frac{45,000 \text{ CY}}{6420 \text{ TPD/DAY}} = 64 \text{ DAYS TO FILL}$
 $= 9 \text{ WKS TO FILL}$

REMOVE 100' PER DAY
IN 8 WKS

8 WKS < 9 WKS OK
KNOW

7/27/92

Process Date = 6 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	4.18	F	**	A2	146	146	1.66	F
A3	152	47	0.00	P	**	A4	158	0	0.00	E
A5	161	0	0.00	E	**	A6	163	0	0.00	E
A7	165	0	0.00	E	**	A8	168	0	0.00	E
A9	170	0	0.00	E	**	A10	173	0	0.00	E
A11	174	0	0.00	E	**	A12	158	0	0.00	E
B1	294	0	0.00	E	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 12 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	10.18	F	**	A2	146	146	7.66	F
A3	152	152	4.99	F	**	A4	158	158	2.23	F
A5	161	79	0.50	P	**	A6	163	0	0.00	E
A7	165	0	0.00	E	**	A8	168	0	0.00	E
A9	170	0	0.00	E	**	A10	173	0	0.00	E
A11	174	0	0.00	E	**	A12	158	0	0.00	E
B1	294	0	0.00	E	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 18 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	16.18	F	**	A2	146	146	13.66	F
A3	152	152	10.99	F	**	A4	158	158	8.23	F
A5	161	161	5.47	F	**	A6	163	163	2.70	F
A7	165	106	0.50	P	**	A8	168	0	0.00	E
A9	170	0	0.00	E	**	A10	173	0	0.00	E
A11	174	0	0.00	E	**	A12	158	0	0.00	E
B1	294	0	0.00	E	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 24 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	22.18	R	**	A2	146	146	19.66	F
A3	152	152	16.99	F	**	A4	158	158	14.23	F
A5	161	161	11.47	F	**	A6	163	163	8.70	F
A7	165	165	5.93	F	**	A8	168	168	3.07	F
A9	170	133	1.00	P	**	A10	173	0	0.00	E
A11	174	0	0.00	E	**	A12	158	0	0.00	E
B1	294	0	0.00	E	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 30 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	26.90	C	**	A2	146	146	0.90	F
A3	152	152	22.99	R	**	A4	158	158	20.23	F
A5	161	161	17.47	F	**	A6	163	163	14.70	F
A7	165	165	11.93	F	**	A8	168	168	9.07	F
A9	170	170	6.28	F	**	A10	173	173	3.47	F
A11	174	13	0.00	P	**	A12	158	0	0.00	E
B1	294	0	0.00	E	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 36 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	32.90	C	**	A2	146	146	6.90	F
A3	152	152	27.58	C	**	A4	158	158	1.71	F
A5	161	161	23.47	R	**	A6	163	163	20.70	F
A7	165	165	17.93	F	**	A8	168	168	15.07	F
A9	170	170	12.28	F	**	A10	173	173	9.47	F
A11	174	174	4.30	F	**	A12	158	58	0.00	P
B1	294	0	0.00	E	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 42 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	38.90	C	**	A2	146	146	12.90	F
A3	152	152	33.58	C	**	A4	158	158	7.71	F
A5	161	161	28.08	C	**	A6	163	0	0.00	E
A7	165	165	23.93	R	**	A8	168	168	21.07	F
A9	170	170	18.28	F	**	A10	173	173	15.47	F
A11	174	174	10.30	F	**	A12	158	158	5.14	F
B1	294	285	3.00	P	**	B2	314	0	0.00	E
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 48 Increment = Weekly [6 Process Days/Week]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	44.90	C	**	A2	146	146	18.90	F
A3	152	152	39.58	C	**	A4	158	158	13.71	F
A5	161	161	34.08	C	**	A6	163	163	4.09	F
A7	165	165	28.49	C	**	A8	168	168	1.57	F
A9	170	170	24.28	R	**	A10	173	173	21.47	F
A11	174	174	16.30	F	**	A12	158	158	11.14	F
B1	294	294	4.81	F	**	B2	314	51	0.00	P
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 49 Increment = Daily

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	45.90	C	**	A2	146	146	19.90	F
A3	152	152	40.58	C	**	A4	158	158	14.71	F
A5	161	161	35.08	C	**	A6	163	163	5.09	F
A7	165	165	29.49	C	**	A8	168	168	2.57	F
A9	170	170	23.86	C	**	A10	173	0	0.00	E
A11	174	174	17.30	F	**	A12	158	158	12.14	F
B1	294	294	5.37	F	**	B2	314	117	0.50	P
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 50 Increment = Daily

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	46.90	C	**	A2	146	146	20.90	F
A3	152	152	41.58	C	**	A4	158	158	15.71	F
A5	161	161	36.08	C	**	A6	163	163	6.09	F
A7	165	165	30.49	C	**	A8	168	168	3.57	F
A9	170	170	24.86	C	**	A10	173	0	0.00	E
A11	174	174	18.30	F	**	A12	158	158	13.14	F
B1	294	294	5.93	F	**	B2	314	183	1.00	P
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 51 Increment = Daily

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	0	0.00	E	**	A2	146	146	21.90	F
A3	152	152	42.58	C	**	A4	158	158	16.71	F
A5	161	161	37.08	C	**	A6	163	163	7.09	F
A7	165	165	31.49	C	**	A8	168	168	4.57	F
A9	170	170	25.86	C	**	A10	173	0	0.00	E
A11	174	174	19.30	F	**	A12	158	158	14.14	F
B1	294	294	6.49	F	**	B2	314	249	2.00	P
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 52 Increment = Daily

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	1	0.00	P	**	A2	146	146	22.90	R
A3	152	152	43.58	C	**	A4	158	158	17.71	F
A5	161	161	38.08	C	**	A6	163	163	8.09	F
A7	165	165	32.49	C	**	A8	168	168	5.57	F
A9	170	170	26.86	C	**	A10	173	0	0.00	E
A11	174	174	20.30	F	**	A12	158	158	15.14	F
B1	294	294	7.05	F	**	B2	314	314	1.70	F
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 78 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	23.13	C	**	A2	146	0	0.00	E
A3	152	152	19.70	F	**	A4	158	158	42.42	C
A5	161	161	14.78	F	**	A6	163	163	32.81	C
A7	165	165	5.33	F	**	A8	168	168	2.93	F
A9	170	148	1.00	P	**	A10	173	0	0.00	E
A11	174	174	17.19	F	**	A12	158	158	12.32	F
B1	294	294	21.64	F	**	B2	314	314	22.24	R
B3	314	314	7.17	F	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 104 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	128	0.50	P	**	A2	146	146	25.34	C
A3	152	152	44.36	C	**	A4	158	158	19.28	F
A5	161	161	39.56	C	**	A6	163	163	7.34	F
A7	165	165	30.12	C	**	A8	168	0	0.00	E
A9	170	0	0.00	E	**	A10	173	173	21.80	F
A11	174	174	16.91	F	**	A12	158	158	9.80	F
B1	294	0	0.00	E	**	B2	314	314	7.93	F
B3	314	314	27.54	R	**	B4	314	314	2.77	F
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 130 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	30.12	C	**	A2	146	146	1.72	F
A3	152	152	19.01	F	**	A4	158	158	46.60	C
A5	161	161	13.93	F	**	A6	163	60	0.00	P
A7	165	165	6.75	F	**	A8	168	168	24.04	R
A9	170	170	21.48	F	**	A10	173	173	16.51	F
A11	174	174	39.53	C	**	A12	158	158	4.10	F
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B1	294	294	6.27	F	**	B2	314	314	22.84	R
B3	314	0	0.00	E	**	B4	314	314	17.84	F
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
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C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 156 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	5.67	F	**	A2	146	146	28.96	C
A3	152	152	43.68	C	**	A4	158	158	23.83	C
A5	161	161	36.29	C	**	A6	163	0	0.00	E
A7	165	165	2.91	F	**	A8	168	0	0.00	E
A9	170	170	19.78	F	**	A10	173	173	16.87	F
A11	174	174	13.90	F	**	A12	158	104	0.50	P
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B1	294	294	21.12	F	**	B2	314	314	42.95	C
B3	314	314	6.56	F	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
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C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 182 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	36.23	C	**	A2	146	137	1.00	P
A3	152	152	20.02	F	**	A4	158	0	0.00	E
A5	161	161	10.38	F	**	A6	163	163	22.98	R
A7	165	165	27.47	C	**	A8	168	168	12.02	F
A9	170	170	44.31	C	**	A10	173	173	13.65	F
A11	174	0	0.00	E	**	A12	158	0	0.00	E
B1	294	294	29.73	C	**	B2	314	314	2.78	F
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 208 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	9.26	F	**	A2	146	146	29.18	C
A3	152	0	0.00	E	**	A4	158	158	23.61	R
A5	161	161	38.07	C	**	A6	163	163	14.87	F
A7	165	165	1.50	F	**	A8	168	15	0.00	P
A9	170	170	16.56	F	**	A10	173	173	4.44	F
A11	174	174	9.66	F	**	A12	158	0	0.00	E
B1	294	0	0.00	E	**	B2	314	314	12.64	F
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 234

Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	36.30	C	**	A2	146	146	4.52	F
A3	152	152	14.83	F	**	A4	158	158	45.96	C
A5	161	161	9.45	F	**	A6	163	163	6.53	F
A7	165	165	20.72	F	**	A8	168	168	18.12	F
A9	170	170	12.53	F	**	A10	173	173	26.97	C
A11	174	0	0.00	E	**	A12	158	133	2.00	P
B1	294	0	0.00	E	**	B2	314	314	22.49	R
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 260

Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	8.01	F	**	A2	146	146	30.70	C
A3	152	152	36.22	C	**	A4	158	158	14.04	F
A5	161	161	2.86	F	**	A6	163	163	25.99	R
A7	165	165	43.88	C	**	A8	168	168	11.33	F
A9	170	170	5.82	F	**	A10	173	84	0.50	P
A11	174	174	17.60	F	**	A12	158	158	20.06	F
B1	294	0	0.00	E	**	B2	314	314	32.34	R
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 286 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	30.43	C	**	A2	146	146	4.27	F
A3	152	152	11.32	F	**	A4	158	158	39.19	C
A5	161	161	23.79	C	**	A6	163	0	0.00	E
A7	165	165	10.99	F	**	A8	168	152	2.00	P
A9	170	0	0.00	E	**	A10	173	173	19.47	F
A11	174	174	5.85	F	**	A12	158	0	0.00	E

B1	294	294	11.50	F	**	B2	314	314	42.20	R
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					

C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 312 Increment = Monthly [26 Process Days/Month]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	1.46	F	**	A2	146	146	31.23	C
A3	152	152	40.21	C	**	A4	158	158	13.59	F
A5	161	36	0.00	P	**	A6	163	163	24.39	C
A7	165	0	0.00	E	**	A8	168	168	19.49	F
A9	170	170	14.58	F	**	A10	173	173	10.38	F
A11	174	0	0.00	E	**	A12	158	158	16.73	F

B1	294	294	25.83	R	**	B2	314	314	3.18	F
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					

C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

Process Date = 624 Increment = Yearly [312 Process Days/Year]

RowID	Ltot	LfldTot	Age	Status	**	RowID	Ltot	LfldTot	Age	Status
A1	140	140	43.01	C	**	A2	146	146	20.89	F
A3	152	152	39.05	C	**	A4	158	158	14.64	F
A5	161	161	8.32	F	**	A6	163	163	28.45	C
A7	165	165	11.47	F	**	A8	168	168	5.21	F
A9	170	170	1.73	F	**	A10	173	173	17.82	F
A11	174	52	0.00	P	**	A12	158	158	17.78	F
B1	294	294	12.68	F	**	B2	314	314	34.01	R
B3	314	0	0.00	E	**	B4	314	0	0.00	E
B5	270	0	0.00	E	**	B6	236	0	0.00	E
B7	200	0	0.00	E	**					
C1	255	0	0.00	E	**	C2	255	0	0.00	E
C3	255	0	0.00	E	**	C4	255	0	0.00	E
C5	255	0	0.00	E	**	C6	255	0	0.00	E
C7	255	0	0.00	E	**	C8	255	0	0.00	E
C9	255	0	0.00	E	**	C10	255	0	0.00	E

PAD B STATISTICS

[illegible]

Times Bypassed to Landfill = 0



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

August 26, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Solid Waste Facilities	
Permit No.:	Type of Permit
SO60-211179	Solid Waste Composting
WT60-211205	Waste Tire Storage
SO60-211182	M.R.F.
SF60-211255	Long-Term Care
SC60-211181	Leachate Treatment

Dear Mr. Springstead:

This letter constitutes notice that permits will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your applications for a permit remain incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

The following information is required in support of the solid waste application [Chapter 17-701, Florida Administrative Code (F.A.C.)]:

1. Provide documentation of Sumter County's possession of an approved Comprehensive Quality Assurance Plan (CQAP) for the sampling and analysis as required for the referenced facility. Documentation must show that the QA plan approved also includes compost testing. You are requested to work directly with Ms. Sylvia Labie of the QA Section in Tallahassee to obtain approval of the quality assurance plan. Pending approval, current status is not adequate.
2. Provide updated financial responsibility cost estimates for long-term care of the closed landfill. The attached Financial Responsibility checklist is to be used for the cost estimates. Cost estimates shall be reviewed by the District and upon approval will be forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents.

ESTIMATES
AL 10/5/92
1/25/92

- 10/5/92 ✓ 3. Provide your response to Mary Yeargan's August 26, 1992 attached memorandum. Ms. Yeargan may be contacted at (813) 620-6100, extension 376.
- 10/5/92 ✓ 4. Provide a fire safety survey conducted and documented by the local fire protection authorities showing their satisfaction for the subject facilities.
- 10/5/92 ✓ 5. Provide water quality data for the leachate and treated effluent and design criteria and calculations for the design of the leachate treatment facility, filter, ozonation, and disinfection. What is the expected quality of the leachate after treatment? For example, indicate the maximum levels for BOD₅, TSS, TN, TP, Chlorides, TDS, heavy metals, fecal coliform, and TOC.
- 10/5/92 ✓ 6. Provide data to show the quantity of leachate that can be reused to maintain the correct composting moisture for new, semi mature, and curing windrows.
- 10/5/92 ✓ 7. Replace sprayheads with a type that will eliminate drift and drip off the compost pad.
- 10/5/92 ✓ 8. Revise the leachate pond design using a pipe boot through the side of the liner rather than through the bottom of the liner.
- 10/5/92 ✓ 9. Describe measures to correct settlement and ponding over the closed areas.
10. Please provide professional conclusions and recommendations regarding the evaluation of the landfill closure including the extent and effects of a recent gas migration investigation. Provide plans for further gas monitoring in and around buildings and the landfill including repairs to broken gas vents.

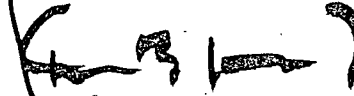
"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 17-12.070(5), F.A.C., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department will issue a final order denying your application. If the response will require longer than 90 days to develop, an application for new construction should be withdrawn and resubmitted when completed information is available. Or for operating permits, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

Mr. John Springstead
Springstead Engineer

August 26, 1992
Page Three

If there are points which must be discussed and resolved, please contact me at (813) 620-6100, extension 382.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kim B. Ford', with a stylized flourish at the end.

Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachments

cc: Garry Breeden, Sumter County
Fred Wick, FDER Tallahassee
Sylvia Labie, FDER Tallahassee
Robert Butera, P.E., FDER Tampa
Steve Morgan, FDER Tampa
Mary Yeargan, P.G., FDER Tampa

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
FINANCIAL RESPONSIBILITY CHECKLIST

I GENERAL INFORMATION:

ID No. _____

Facility Name: _____ Permit No.: _____ Expiration Date: _____

Address (Main Entrance): _____

Address (Mailing): _____

Permittee (Operating Authority): _____ Facility Lat/Long: _____ Fill Acreage: _____

TYPE OF LANDFILL:

- ☐ Class I
☐ Class II
☐ Class III: Trash/Yard Trash
☐ Exempt; Type of Exemption: _____

Closure Plan Approved:

☐ Yes
☐ No

Reviewing Person (Include Title): _____ Date: _____

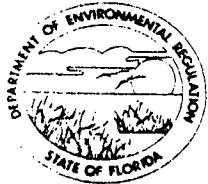
II GENERAL SOLID WASTE LANDFILL:

A. Type of Financial Document Submitted to Ensure Financial Responsibility:

- ☐ Trust Fund Agreement
☐ Letter of Credit
☐ Insurance Certificate
☐ Standby Trust Fund Agreement
☐ Performance Bond (only for landfills with an approved closure plan)
☐ Financial Guarantee Bond
☐ Escrow Account
☐ Other (Explain): _____

C. General Solid Waste Landfill Estimated Itemized Annual Cost of Long Term Care.

<u>ITEM</u>	<u>UNIT COST</u>	<u>TOTAL ANNUAL COST</u>	<u>SOURCE OF ESTIMATE</u> (Third Party Work)
1. GROUNDWATER MONITORING Quality Sampling	_____	_____	_____
2. GAS MONITORING	_____	_____	_____
3. MAINTENANCE OF LEACHATE COLLECTION SYSTEM AND GROUNDWATER MONITORING WELLS	_____	_____	_____
4. COLLECTION AND DISPOSAL/ TREATMENT OF LEACHATE	_____	_____	_____
5. BENCHMARK MAINTENANCE	_____	_____	_____
6. LANDSCAPE MAINTENANCE Mowing Fertilizing Sprinkling	_____ _____ _____	_____ _____ _____	_____ _____ _____
7. MAINTENANCE OF COVER INTEGRITY AND SURFACE WATER CONTROLS	_____	_____	_____
8. REMEDIAL ACTION	_____	_____	_____
TOTAL ANNUAL COST OF LONG TERM CARE		_____	



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II *RB*

THROUGH: Diane Trommer, P.G. II *DT*

FROM: Mary Yeargan, E.S. III *meef*

DATE: August 26, 1992

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. SO60-211179/SC60-211181/SO60-211182/
SF60-211255

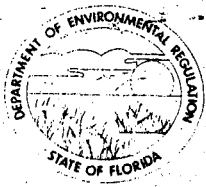
.....

The Groundwater Cleanup Section has reviewed the response to request for additional information for the subject solid waste permit applications for Sumter County, dated July 29, 1992, and has the following comments.

- 1) In our previous review, it was stated that the application should include a Groundwater Monitoring Plan that meets the requirements of Section 17-28.700, Florida Administrative Code, (F.A.C.). The Groundwater Monitoring Plan (GWMP) should be a complete document that can stand alone. Although geological information and analytical data for the last permitted period was summarized for this submittal there was no evaluation to determine whether the existing Groundwater Monitoring Plan is sufficient for this facility. A map that illustrates all three closed Class I landfill cells, the extent of the zone of discharge and the location of the monitor wells relative to the zone of discharge should be provided and the implication of the seasonally fluctuating groundwater flow direction should be evaluated. Until this evaluation is submitted to the Department, a complete review cannot be provided.
- 2) The Groundwater Elevation Contour Maps in Appendix C do not illustrate the Phase I, Phase II, and Phase III-Class I landfill areas, but it appears that there are no downgradient monitor wells to the south and southeast of the closed Class I areas. Recommendations for monitor wells in these areas should be proposed.

- 3) It was noted in our previous review that monitor well MW-3 was installed through twenty feet of garbage which is in direct contact with a limestone unit. This was commented upon since this situation provides for potential degradation of the Floridan aquifer. Additionally, the Class I landfill cell may extend farther to the north than previously noted on the site map.
- 4) Monitor well MW-3 has been dry since installation, therefore, this well should be properly abandoned to protect the underlying aquifer.
- 5) It was stated in this submittal that the lithologic information from the borings and monitor well installation reports, for this facility, was of insufficient quality to interpret on the geologic cross-sections. The purpose of the borings, prior to construction of a landfill, is to determine the lithology and the suitability of a site for landfilling purposes. Although the spatial relationships are not correctly represented on these cross-sections, there are general geologic relationships that can be and should be discerned with some degree of reliability.
- 6) The water table should be illustrated on the cross-sections. The most recent seasonal high and low water table as measured from the monitor wells should be used.
- 7) The analytical parameters for this permit should be expanded due to the inconsistencies in the monitoring data. A recommendation for additional parameters should be included in the next response. With additional parameters quarterly monitoring should be adequate.
- 8) The issue of additional monitor wells associated with the new leachate collection system can not be addressed until the groundwater monitoring evaluation is complete.
- 9) As the CompQAP for Springstead Engineering is approved pending and this status was to expire on August 7, 1992 if the plan was not resubmitted, the District should be provided with Quality Assurance documentation by Springstead Engineering. The table of contents and the title page of the approved CompQAP, which meets the requirements of 17-160, should be submitted as documentation.
- 10) For future reference, depth to water measurements shall be reported in hundredth of a foot rather than in inches. Also, we had requested that groundwater elevations be provided as well as depth to water measurements.

Please have the applicant respond to the items above. If you have any questions, please call.



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II

THROUGH: Diane Trommer, P.G. II *DT*

FROM: Mary Yeargan, E.S. II *My*

DATE: April 28, 1992

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. SO60-211179/SC60-211181/SO60-211182/
SF60-211255

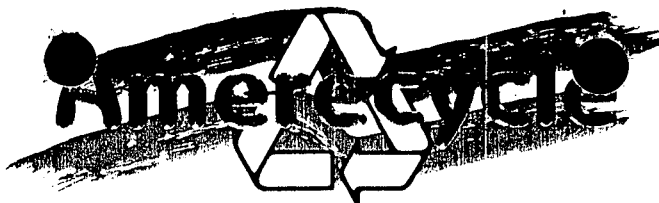
.....

The Groundwater Cleanup Section has reviewed the subject solid waste permit applications for Sumter County, dated March 30, 1992, and has initial comments. This application should include a Groundwater Monitoring Plan that meets the requirements of Section 17-28.700, Florida Administrative Code, (F.A.C.) The Groundwater Monitoring Plan (GWMP) should be a complete document that can stand alone. The applications only refer to March 22, 1985 groundwater monitoring requirements for Permit Number SO60-30674 which were established prior to site improvements such as the use of the site as a composting facility. Geological information and analytical data for the last permitted period should be summarized and evaluated to determine whether the existing Groundwater Monitoring Plan is sufficient for this application. Until this information is submitted to the Department, a review cannot be provided.

- 1) Monitor well construction details and lithology logs, including elevations, should be provided. Geologic cross-sections, from east to west and north to south, should be constructed that illustrate the various lithologies and their relationships.
- 2) Water level information for each monitor well for each sampling event should be provided in tabular form (including top of casing elevations, depth to water, monitoring interval length, and corresponding water level elevations) and in graphic form showing the interpretation of the groundwater flow direction to verify the direction of groundwater flow and to estimate fluctuations in the water table.
- 3) A recent potentiometric map for the Floridan aquifer must be provided.

- 4) The depth(s) of the trenches within the Closed Class I landfill was not discussed or provided.
- 5) Land use information for the area surrounding the landfill should be provided. A current well survey should be provided.
- 6) A summary of analytical data for all sampling periods should be provided in tabular form. All parameters which have exceeded maximum contaminant levels should be graphically displayed over time to evaluate the trends. Analytical data for leachate indicator parameters should also be graphically displayed over time to evaluate the trends. Once this information is provided, monitoring parameters can be evaluated.
- 7) Are there to be monitor wells associated with the new leachate collection system?
- 8) The Material Safety Data Sheet (MSDS) for the B.D. Compost Starter should be provided.
- 9) Within Section 3, Leachate Treatment Facility, there was no discussion concerning the testing and disposal of sludges generated in the leachate treatment facility. There was no discussion regarding the testing and monitoring of effluent from the leachate treatment facility. There was no discussion concerning the quantity of treated leachate that will be routed to the existing stormwater retention area and whether the pond can handle the additional flow.
- 10) All sampling and analyses should be conducted in accordance with a Department approved Comprehensive Quality Assurance Plan (Comp QAP) to comply with the requirements of Chapter 17-160, F.A.C. Documentation of a Department approved Comp QAP for all sampling and analyses should be provided.
- 11) Section 17-4.050(3), F.A.C., states that where required by Chapter 471 or 492, Florida Statutes (F.S.), applicable portions of permit applications and documents which are submitted to the Department for public record shall be signed, sealed and dated by the professional(s) who prepared or approved them. Geological portions of documents and submittals should be signed, sealed and dated by a Florida registered professional geologist in accordance with Chapter 492, F.S., and engineering portions of documents and submittals should be signed, sealed and dated by a Florida registered professional engineer in accordance with Chapter 471, F.S.

Please have the applicant respond to the items above. If you have any questions, please call.



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!

D. E. R.

April 15, 1992

Ms. Stephanie Hinson
State of Florida
Department of Environmental Regulation
4520 Oak Fair Blvd.
Tampa, Florida 33619-7347

APR 17 1992

SOUTHWEST DISTRICT
TAMPA

Dear Ms. Hinson;

This is the response to your Inspection conducted 3/10/92 at the Sumter County Volume Reduction Station and Class I Landfill on CR 529 in Sumterville, Florida.

The status on the noted violation on your report are as follows:

<u>Item #</u>	<u>Status</u>
# 43	The erosion on the drainage ditch side slopes on the south side of the recycling pad has been filled in.

I'm sorry to have missed you again for this last inspection. I trust our staff provided you with all the information you needed. If you have any questions or concerns regarding this inspection response or our facility, please do not hesitate to call.

Sincerely,

Ric Gray
Vice President

tgt

Enc. Copy of Inspection Report

cc: Steve Howard - Amerecycle
Kim Ford - Florida Department of Environmental Regulation
Garry Breedon - Sumter County Public Works
Ralph Warnack - Springstead Engineering

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
RESOURCE RECOVERY AND MANAGEMENT FACILITY INSPECTION REPORT

GHS I.D. No. _____ Inspection Date: 3/10/92
Facility Name: Sumter Co. Vol. Red. Permit No.: _____ Expiration Date: _____
Address (or location by section, township and range): _____
City: _____ State: _____ Zip: _____
Permittee or Operating Authority: Amerecycle
Address (Mailing): _____ City: _____ State: _____ Zip: _____
Telephone Number (Permittee or Operating Authority): () _____
Inspection Participants - Include All Landfill and Department Employees Specifying Titles (Indicate Principal Inspector) _____

TYPE OF FACILITY:

Sanitary Landfill
☐ Class I
☐ Class II
☐ Class III: Trash/Yard Trash
☐ Class III: Yard Trash Composting
Volume Reduction
☒ Composting
☐ Shredder
☐ Incinerator/Trench Burner
☐ Resource Recovery
☐ Energy ☐ Materials

TYPE OF INSPECTION:

☐ Construction Completion (phase) ☐ Closure ☐ Reinspection ☐ Facility File Review
☒ Operation ☐ Post-Closure ☐ Complaint Response ☐ Other

REQUIREMENTS

THE REQUIREMENTS LISTED ON THIS INSPECTION REPORT ARE BASED UPON RULES OF THE FLORIDA ADMINISTRATIVE CODE. A "NO" RESPONSE TO A REQUIREMENT (UNLESS OTHERWISE NOTED) REFLECTS A VIOLATION OF THE CORRESPONDING DEPARTMENT RULE(S). EACH VIOLATION IS DISCUSSED IN THE NARRATIVE SECTION OF THIS REPORT.

	Yes	No	Unk	N/A
I CONSTRUCTION VERIFICATION				
1. Subgrade or foundation adequately prepared? 17-7.050(4)(a)(d)				
2. Liner construction/installation according to plans? 17-7.050(4)(a)(c)(d)				
3. Leachate control system installation according to plans? 17-7.050(4)(e)(f)				
4. Surface water management system construction according to plans? 17-7.050(4)(g)(h)				
5. Gas control system installation according to plans? 17-7.050(4)(i)(j)				
6. Groundwater monitoring system constructed per approved plan? 17-7.050(3)(e)(5)(a)				<input checked="" type="checkbox"/>
II OPERATIONS				
7. Copy of approved drawings, plans, reports, operational plan, supporting information, and permit kept on-site? 17-7.030(8)	<input checked="" type="checkbox"/>			
8. All permit specific conditions complied with? 17-7.030(1)	<input checked="" type="checkbox"/>			
9. Only permitted waste types disposed of? 17-7.050(1)	<input checked="" type="checkbox"/>			
10. Sludge properly disposed of at site (indicate type in "comments")? 17-7.050(1)				<input checked="" type="checkbox"/>
11. Waste quantity/type records kept and forwarded as required? 17-7.050(5)(c)	<input checked="" type="checkbox"/>			
12. Weighing or measuring of incoming waste? 17-7.050(5)(b)	<input checked="" type="checkbox"/>			
13. Method and sequence of filling waste according to plans? 17-7.050(5)(b)				<input checked="" type="checkbox"/>
14. Waste compaction as required? 17-7.050(5)(j)				<input checked="" type="checkbox"/>
15. Working face/grades above ground no greater than a slope of 30 degrees? 17-7.050(5)(k)				<input checked="" type="checkbox"/>
16. Narrow working face practiced? 17-7.050(5)(l)				<input checked="" type="checkbox"/>
17. Attendant present? 17-7.050(5)(d)	<input checked="" type="checkbox"/>			
18. Sufficient operating equipment? 17-7.050(5)(e)	<input checked="" type="checkbox"/>			
19. Sufficient reserve equipment (or other arrangements)? 17-7.050(5)(e)	<input checked="" type="checkbox"/>			
20. Safety devices on equipment to shield and protect operators? 17-7.050(5)(e)	<input checked="" type="checkbox"/>			
21. Adequate communication facilities? 17-7.050(5)(d)	<input checked="" type="checkbox"/>			
22. Salvaging or resource recovery under control of operating authority? 17-7.050(5)(q)	<input checked="" type="checkbox"/>			
23. Burning of allowable wastes only, in a properly operated incinerator/trench burner with a valid air permit? 17-7.060(1)				<input checked="" type="checkbox"/>
24. Proper control or disposal of asbestos and other special wastes? 17-7.060				<input checked="" type="checkbox"/>
25. Required signs for operational directions and public information? 17-7.050(5)(c)	<input checked="" type="checkbox"/>			

Department copy (white)
Facility copy (yellow)

REQUIREMENTS

III MAINTENANCE

26. Effective and intact barrier to prevent unauthorized entry and dumping? 17-7.050(5)(c) ✓
27. Adequate vector control by approved methods? 17-7.050(5)(p) ✓
28. Disposal area easily accessible? 17-7.050(2)(c)(5)(c) ✓
29. Retention and/or detention ponds/ditches, culverts, berms maintained? 17-7.050(4)(g)(h) ✓
30. Adequate approved dust control methods? 17-7.050(5)(c) ✓
31. Litter control maintained? 17-7.050(5)(c) ✓
32. Fire protection and fire fighting facilities adequate and operational? 17-7.050(5)(c) ✓
33. Groundwater wells intact and functioning properly? 17-7.075(6) ✓
34. Gas vents intact and functioning properly? 17-7.050(5)(i) ✓

IV WATER MANAGEMENT AND MONITORING

35. Groundwater sampling and testing according to standard procedures and at required frequency? 17-7.050(3)(e)(5)(a) ✓
36. Mixing of leachate and stormwater prevented or minimized? 17-7.050(4)(h) ✓
37. Stormwater runoff/runoff controlled, collected, treated as required? 17-7.050(4)(h)(5)(g) ✓
38. Leachate control, collection and treatment as required? 17-7.050(4)(e)(5)(h) ✓

V COVER

39. Adequate quantity of acceptable cover material on hand? 17-7.050(2)(c) ✓
40. Frequency, amount and quality of initial cover, as required? 17-7.050(5)(m) ✓
41. Frequency, amount and quality of intermediate cover, as required? 17-7.050(5)(n) ✓
42. Frequency, amount and quality of final cover, as required? 17-7.050(5)(o); 17-7.073(6)(c) ✓
43. Adequate erosion control? 17-7.073(6)(c) X

VI CLOSURE

44. Final cover installation according to approved design plans and present condition and function adequate? 17-7.073(6)(c) ✓
45. Facility meets closure requirements prohibiting unauthorized dumping? 17-7.073(6)(h) ✓
46. All actions for closure completed satisfactorily according to approved closure operation plan? 17-7.073(7) ✓
47. Final survey and as-built report with all survey monuments and other permanent markers installed satisfactorily? 17-7.074(2)(3) ✓
48. Authorized use of closed landfill and integrity of environmental protection measures maintained? 17-7.074(6)(7) ✓
49. Long term care performed adequately? 17-7.075 ✓

VII NON-LANDFILL SITES

50. Volume reduction plant operation in compliance with all permit conditions and other applicable requirements? 17-7.090 ✓
51. Transfer station operation in compliance with all requirements and general permit conditions? 17-7.091 ✓
52. Milling facility in compliance with all required conditions of operation? 17-7.060(4) ✓
53. Resource recovery facility in compliance with all permit conditions and applicable requirements? 17-7.090 ✓

VIII NARRATIVE

Explanation for all "no" responses and other comments (continue on separate sheet if necessary)

(43) Drainage ditch side slopes on south side of recycling pad are eroding - fill in

Note: currently cleaning leachate pond
litter control improved - pick up litter east of compost

Signed: Stephen Hinson 3/10 Date: 3/10/92 Received: Joni S. Tucker 3/10/92

Department copy (white)
Facility copy (yellow)

pad & south edge of recycling.

WASTE MANAGEMENT TECHNICAL SUPPORT
ROUTING FORM

TO: Diane Trommer, Waste Cleanup

FROM: Kim Ford

DATE: 4/10/92

DOCUMENT NAME: Sumter CLASS I Landfill (closed) Revision #

A. Enforcement Related

Case Name:

Program:

County:

OGC Case #:

This document was submitted as a result of:

executed CO: _____

WN: _____

litigation: _____

B. Permit Related

Facility Name: Sumter Landfill

County: Sumter

Permit #: SF 60 - 211255

Type of permitted facility: Closed CLASS I Landfill

Files and related documents can be found SEE HENRY TAYLOR ATTACHED

Please review and comment on the technical aspects of the attached document as you deem appropriate. In order to maintain progress in the case/the permit review, please provide comments within 30 days or by April 25.

Module to charge review time to: _____

Time spent

Position Level

Attachment

PERMIT TO
PERMIT TO CONS
PERMIT TO OPE
WA
PERMIT TO MAINT.

Sumter

BOARD
DEPA
222
RI

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1. *Chris Person*
2. *DER/SWFWRD Liaison*
- 3.
- 4.

Remarks:

*Sumter County
Permit Renewal
may need a SWFWRD
permit*

From

Kim Ford

Date

4/30/92

Phone

SC 5426100X382

S

Consulting Engineers — Planners — Surveyors
727 South 14th Street
Leesburg, Florida 34748
Lake (904) 787-1414
Sumter (904) 793-3639 Fax (904) 787-7221



**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

April 3, 1992

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

Re: Sumter County Solid Waste Management Facility
921100.00

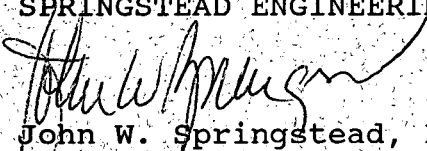
Dear Mr. Ford,

The leachate pond located at the above referenced project is now dry and has been for sometime. It has been cleaned and made ready for repairs to the liner; therefore the quarterly testing reports for the leachate pond for the quarter ending March 31, 1992, will not be submitted.

Should you have any further 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 POND.DOC)

JOHN SPRINGSTEAD

SPRINGSTEAD ENGINEERING

727 SOUTH 14TH STREET

LEESBURG FL 34748

FYI

Kum 12/30/92

.....
The Groundwater Cleanup Section has reviewed the response to request for additional information for the subject solid waste permit applications for Sumter County, dated November 6, 1992, and has the following comments:

- 1) The proposed location for monitor well MW-8 is acceptable. The proposed location for monitor well MW-9 should be at the boundary of the zone of discharge, which is 100 feet from the landfill boundary or the property boundary, whichever is less, as per Section 17-522.410(2)(a), formerly 17-28.700(4)2, Florida Administrative Code.
- 2) The applicant should provide construction details for the new groundwater monitor wells prior to construction.
- 3) A statement from our previous review comments regarding sampling and analyses upon permit renewal needs clarification. All detection limits for EPA Method 624/625 should be less than the maximum contaminant levels for each parameter. All compounds not typically reported for this analytical method whose peaks are greater than 10ug/l should be identified and reported.

Please convey the above comments to the applicant. We would appreciate the opportunity to review the draft permit. If you have any questions, please call.

MEY

GARRY GREENE
SUMTER COUNTY PUBLIC WORKS
222 EAST McCOLLUM AVE
BUSHNELL, FL 33513

FYT

Km 12/30/92

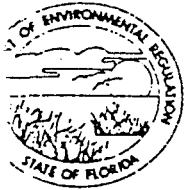
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MEY



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

PERMIT COVER MEMO

TO: ☒ RICK GARRITY, DDM
☒ WILLIAM KUTASHI, ENVRN ADMN *12/28/92*
O G C, ATTN: _____

FROM / THROUGH:

_____, ENVRN ADM
_____, PROGRAM SUPV.
BOB BUTERA *12-23-92* SECTION SUPV.
Jim FORD *12/21/92* ENG., ENVRN SPEC., GEOL.
DATE: *12/22/92*

FILE NAME: *SUMTER LANDFILL* CASE #: *SF60-211255*
PROGRAM: *SOLID WASTE* COUNTY: *SUMTER*

TYPE OF PERMIT ACTION: ☒ ISSUE _____ DENY _____ MODIFY _____
_____ TRANSFER OWNER _____ N O D _____ INTENT _____ PUBLIC NOTICE

PUBLIC NOTICE PERIOD CLOSED?: _____
PETITION?: _____ RELEASED BY O G C?: _____

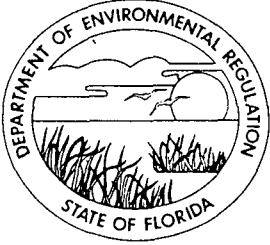
PERMIT SUMMARY: *This permit is for*
long-term care of the closed
Sumter Landfill for groundwater
monitoring and site maintenance

PROFESSIONAL RECOMMENDATION: ☒ APPROVE _____ DENY _____

EVALUATION SUMMARY: *I recommend*
this permit based on
a site visit and related
correspondence

[REDACTED]
is a closed landfill permit region -
no intent necessary
permit ready to be issued.

DAY 90/30 FOR THIS ACTION IS *ASAP*



Florida Department of Environmental Regulation

Southwest District

3804 Coconut Palm

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Carol M. Browner, Secretary

NOTICE OF PERMIT

DEC 23 1992

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

Re: Sumter County Landfill Long-Term Care

Dear Mr. Breedon:

Enclosed is Permit Number SF60-211255, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

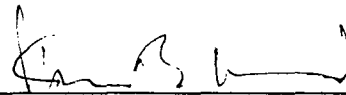
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Mr. Garry Breeden, Director
Sumter County Public Works

Page Two

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab

cc: John Springstead, P.E., Springstead Engineering
Kathy Anderson, FDER Tallahassee
Robert Butera, P.E., FDER Tampa
Steve Morgan, FDER Tampa

CERTIFICATE OF SERVICE

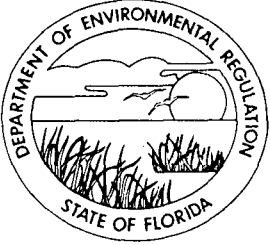
This is to certify that this NOTICE OF PERMIT and all copies
were mailed before the close of business on 12-29-92 to
the listed persons.

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant
the designated Department,
Clerk, receipt of which is
hereby acknowledged.



Clerk

12-29-92
Date



Florida Department of Environmental Regulation

Southwest District

3804 Coconut Palm

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Carol M. Browner, Secretary

PERMITTEE

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

PERMIT/CERTIFICATION

GMS ID No: 4060C00092
Permit No: SF60-211255
Date of Issue: DEC 29 1992
Expiration Date: 11/1/97
County: Sumter
Lat/Long: 28°44'30"N
82°05'20"W
Sec/Town/Rge: 15/20S/22E
Project: Sumter County
Landfill Long-Term
Care

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-4, 17-25, 17-520, 17-522, 17-550, and 17-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

To provide long-term care, maintenance and groundwater monitoring for (approximately 30 acres), referred to as the Closed Sumter County Landfill, subject to the specific conditions attached. The site is located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida.

Replaces Permit No.: SF60-146475

PERMITTEE: Garry Breedon
Sumter County Landfill Long-Term Care

PERMIT NO: SF60-211255

SPECIFIC CONDITIONS:

1. This landfill site is classified as a closed Class I landfill. Long-term care, maintenance, and groundwater monitoring shall be provided in accordance with all applicable requirements of Chapters 17-4, 17-25, 17-520, 17-522, 17-550, and 17-701, Florida Administrative Code. Any construction on the closed landfill shall require a separate Department permit unless the Department determines a permit modification to be more appropriate.

2. The operating authority shall be responsible for the control of odors and fugitive particulates arising from this closed landfill. Such control shall prevent the creation of these nuisance conditions on adjoining property. Complaints received from the general public and confirmed by Department personnel upon site inspection shall constitute a nuisance condition and the permittee must take immediate corrective action to abate the nuisance.

3. Gas monitoring shall be provided annually and shall include monitoring of the site as specified in F.A.C. Chapter 17-701, and monitoring in and adjacent to all on-site structures. Test results shall be provided as a percent of the lower explosive limit (LEL). Test locations shall be shown on a drawing and described in a report. The report shall provide professional conclusions and recommendations regarding the adequacy of the existing gas venting and protective measures. The report shall be provided annually beginning March 1, 1993. Evidence of methane gas buildup or migration may necessitate installation of additional measures to control such buildup and/or migration.

4. In the event of damage to any portion of the closed landfill or related facilities, the permittee shall immediately notify the Department of Environmental Regulation explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification shall be made within one week following the occurrence.

5. The site shall continue to have a surface water management system operated and maintained to prevent surface water flow onto the facility site, and a stormwater runoff control system operated and maintained to collect and control stormwater as indicated in the original construction permit submittal. Any significant modification of the approved stormwater design must be resubmitted to the Department for approval prior to implementation.

6. The site shall be properly maintained including erosion control, maintenance of grass cover, prevention of ponding, and gas venting system repairs.

PERMITTEE: Garry Leeden PERMIT NO: F60-211255
Sumter County Landfill Long-Term Care

SPECIFIC CONDITIONS

7. At least 30 days prior to performance of any sampling or analysis as required by this permit, the permittee shall provide proof to the Department that field and laboratory work done in connection with your routine groundwater monitoring is conducted by a firm possessing a Generic Quality Assurance Project Plan or a Comprehensive Quality Assurance Plan approved by the Department. The Quality Assurance Plan must specifically address the sampling and analytical work that is required by the permit. The Quality Assurance Plan shall be required from all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit.

8. In accordance with Chapter 17-520, Florida Administrative Code, the new wells as part of the Groundwater Monitoring System shall be constructed and all wells sampled within ninety (90) days of the issuance of this permit. The permittee shall ensure that the groundwater monitoring system adequately monitors the existing site. Within one hundred and twenty (120) days after issuance of this permit, an evaluation regarding the effectiveness of the system shall be certified by the professional in-charge and submitted to the Department. The evaluation shall include but not be limited to a water table contour map and shall indicate the direction of groundwater flow. The report containing the evaluation shall also include new well construction information and sampling results.

9. Upon completion of any new well(s) constructed, the following information shall be provided:

Well identification	Driller's Log
Latitude/Longitude	Total depth of well
Aquifer monitored	Casing diameter
Screen Type and slot size	Casing type and length
Screen length	SWFWMD well construction
Elevation at top of pipe	permit numbers
Elevation at land surface	

10. The groundwater monitoring wells shall be located as shown on the attached drawing Figure No. 1 by Springstead Engineering dated November 6, 1992 as follows:

<u>Well Number</u>	<u>Aquifer</u>	<u>Location</u>
MW-1	Floridan	See Figure No. 1
MW-2	Floridan	See Figure No. 1
MW-4	Floridan	See Figure No. 1
MW-6A	Floridan	See Figure No. 1
MW-7	Floridan	See Figure No. 1
MW-8	Floridan	See Figure No. 1
MW-9	Floridan	See Figure No. 1

PERMITTEE: Garry J. Jorden PERMIT NO: 60-211255
Sumter County Landfill Long-Term Care

SPECIFIC CONDITIONS (cont'd)

All wells are to be clearly labelled and easily visible at all times.

A surveyed drawing shall be submitted showing the location of all monitoring wells (active and abandoned) which will be horizontally located by metes and bounds or equivalent surveying techniques. The surveyed drawing shall include the monitor well identification number, location and elevation of all permanent benchmark(s) and/or corner monument marker(s) at the site. The survey shall be conducted by a Florida Registered Surveyor.

11. Upon completion of the new wells as part of the groundwater monitoring system, all groundwater monitoring wells shall be sampled for the following parameters:

EPA 624/625 parameters (all compounds detected above 10 ug/L should be reported)

EPA Priority Pollutant Metals

Primary and Secondary Drinking Water Standards which are not included in the above items.

Water Level

Temperature

Conductivity

Ammonium

Color

All groundwater monitoring wells shall be sampled quarterly for the following parameters:

EPA 601/602 parameters

Primary and Secondary Drinking Water Standards which are not included in the above item

Water Level

Temperature

Conductivity

Ammonium

Color

This list of parameters could be modified depending on the results of the initial round of sampling and analysis for this permit application. After four quarters of sampling and analysis, the permittee may apply to modify the sampling parameters.

PERMITTEE: Garry J. Jorden PERMIT NO: 60-211255
Sumter County Landfill Long-Term Care

SPECIFIC CONDITIONS;

12. All piezometers and wells not a part of the approved groundwater monitoring plan are to be plugged and abandoned in accordance with Chapter 17-21.10(4), F.A.C., and the Southwest Florida Water Management District. The permittee shall submit a written report to the Department providing verification of the plugged program. A written request for exemption to the plugging of a well must be submitted to the Department's Solid Waste Section for approval.

13. If at any time background groundwater standards are exceeded at the edge of the zone of discharge, the permittee has fifteen (15) days in which to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current groundwater conditions at the facility.

14. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department of Environmental Regulation immediately and a detailed written report shall follow within seven (7) days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent the recurrence. All monitoring well design and replacement shall be approved by the Department prior to installation.

15. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with methods approved by the Department in accordance with Chapters 17-4.246 and 17-3.401, F.A.C. Approved methods are published by the Department or as published in Standards Methods, A.S.T.M., or EPA methods shall be used. Approved methods for chemical analyses are summarized in the Federal Register, December 1, 1976 (41FR52780) except that turbidity shall be measured by the Nephelometric Method.

16. All groundwater monitoring analysis shall be reported on the Department Form 17-1.216(2), Quarterly Report on Groundwater monitoring. The permittee shall submit to the Department the results of the groundwater monitoring well water quality analysis no later than the fifteenth (15) day of the month immediately following the end of the sampling period. The results shall be sent to the Solid Waste Section, Department of Environmental Regulation, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8313.

17. The permittee shall ensure that the water quality standards for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to Sections 17-3.402 and 17-3.404, F.A.C.

PERMITTEE: Garry Leeden PERMIT NO: LF60-211255
Sumter County Landfill Long-Term Care

SPECIFIC CONDITIONS;

18. The permittee shall ensure that the minimum criteria for groundwater specified in Section 17-3.402, F.A.C. shall not be violated within the zone of discharge.

19. Prior to 90 days before the expiration of the Department Permit, the permittee shall submit an evaluation of the Groundwater Monitoring Plan as per F.A.C. Rule 17-7.050(3)(e). The evaluation shall include all applicable information as required by F.A.C. Chapter 17-520, and shall include an assessment of the effectiveness of the existing landfill design and operation as related to the prevention of groundwater contamination. Any groundwater contamination that may exist, shall be addressed as part of a groundwater investigation for the landfill assessment. As part of the groundwater investigation, the permittee shall sample all groundwater monitoring wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Drinking Water Standards. The Groundwater Monitoring Plan shall be adequate to monitor any modifications to the existing landfill site including but not limited to closure.

20. The permittee shall provide financial assurance for this landfill site in accordance with F.A.C. Rule 17-701.076. Proof that the financial assurance has been funded adequately shall be provided to the Department annually. All submittals in response to this specific condition shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

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

22. Prior to 90 days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules.

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

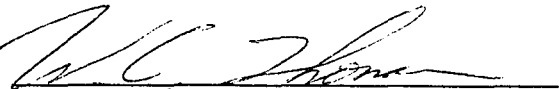
PERMITTEE: Garry eeden PERMIT NO: F60-211255
Sumter County Landrill Long-Term Care

SPECIFIC CONDITIONS (cont'd)

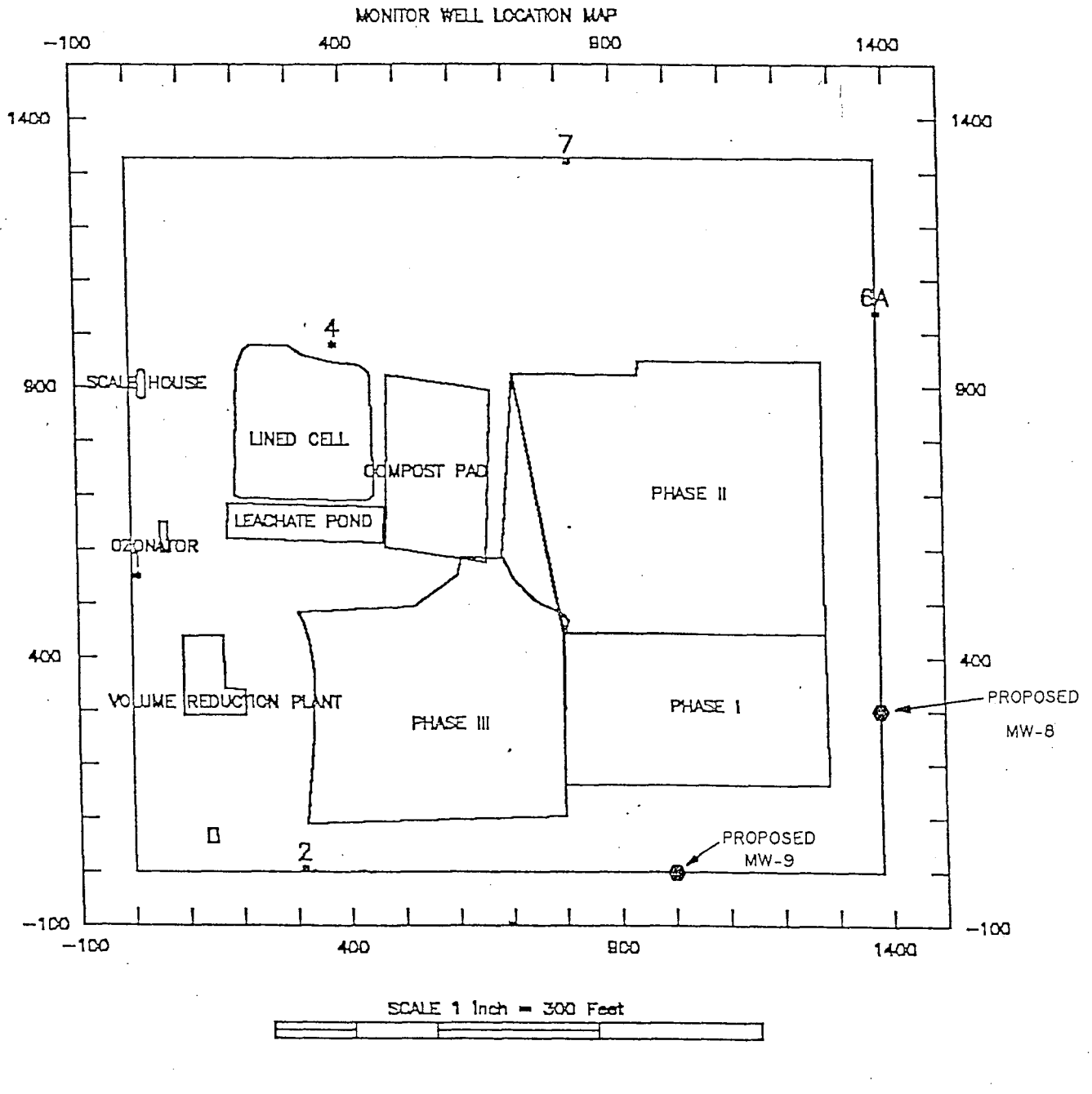
24. By acceptance of this Permit, the permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with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

EXECUTED in Tampa, Florida.

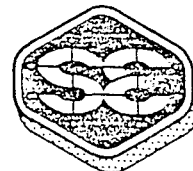
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


For Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



SPRINGSTEAD ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS - SURVEYORS



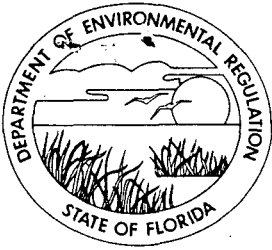
727 S. 14TH STREET
LEESBURG, FL 34748-5618
(904) 787-1414

MONITORING WELL LOCATION MAP
SUMTER COUNTY SOLID WASTE FACILITY
SUMTER COUNTY, FLORIDA

Drawn By: DWS
Checked By: JWS
Date: 11/6/92

Job No.: 92-1100.00

FIGURE NO. 1



Florida Department of Environmental Regulation

Southwest District

Lawton Chiles, Governor

3804 Coconut Palm

813-744-6100

Tampa, Florida 33619

Carol M. Browner, Secretary

December 21, 1992

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

Re: Clarification Revision to Permit S060-211179 (Sht. 1 of 7)
Permit No.: S060-211181
Sumter County

Dear Mr. Breeden:

This letter is to clarify and identify specifically all solid waste facilities permitted under this permit at the noted site. Please replace Sheet 1 of 7 of subject permit with the attached.

Sincerely,

Robert J. Butera, P.E.
Solid Waste Manager
Division of Waste Management

RJB/ab
Attachment

cc: John Springstead, P.E., Springstead Engineering
Kim Ford, P.E., FDER Tampa
Steve Morgan, FDER Tampa



Florida Department of Environmental Regulation

Southwest District

Lawton Chiles, Governor

3804 Coconut Palm

813-744-6100

Tampa, Florida 33619

Carol M. Browner, Secretary

PERMITTEE

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

PERMIT/CERTIFICATION

GMS ID No: 4060C00092
Permit No: SO60-211179
Date of Issue:
Expiration Date: 11/1/97
County: Sumter
Lat/Long: 28°44'30"N
82°05'20"W
Sec/Town/Rge: 15/20S/22E
Project: Sumter County
Solid Waste
Management Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-4, 17-25, 17-701, 17-709, and 17-711. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

To operate a solid waste management facility (approximately 10 acres), located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida, referred to as the Sumter County Solid Waste Management Facility. The specific conditions attached are for the operation of:

1. MSW Composting Facility
2. Materials Resource Recovery Facility
3. Leachate Recirculation System
4. Waste Tire Storage Facility

Replaces Permit No.: SC60-132071

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1. GARRY BREEDEN
 2. SUMNER COUNTY PUBLIC WORKS
 3. 222 E. McCollum AVE
 4. BUSHEL, TN 37513

Remarks:

THIS IS THE
ONLY COPY
 FOR YOU TO
 WORK WITH
 TO RESOLVE THE
 ART PLAN
 ANY QUESTIONS
 CALL
 SILKY OR ANDY
 THT

From:

Kim Ford

Date

12/21/92

Phone

For Routing To Other Than The Addressee

2: _____ Location: _____
 3: _____ Location: _____
 4: _____ Location: _____
 From: _____ Date: _____

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Solid Waste
 0245P
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 must be submitted to
 APP can be granted

2) The analytical method column in Section 5.4 must be completely filled out (eg. 351.2, 353.1, etc.).

3) Please respond to all other comments on the annotated pages of the QAPP.

Please forward this correspondence and all attachments (or copies) to the consultant or the respondent. Since a revised document is required, it must be sent directly to your office for technical review and forwarded to the QA Section for QA review.

District Routing Slip

To: Kim Ford Date: 12-16-92

C.C. To:

	Pensacola	Northwest District	
	Panama City	Northwest District Branch Office	
	Tallahassee	Northwest District Branch Office	
	Apalachicola	Northwest District Satellite Office	
✓	Tampa	Southwest District	
	Bartow	Southwest District Satellite Office	
	Venice	Southwest District Satellite Office	
	Orlando	Central District	
	Melbourne	Central District Satellite Office	
	Jacksonville	Northeast District	
	Gainesville	Northeast District Branch Office	
	Fort Myers	South District	
	Punta Gorda	South District Branch Office	
	Marathon	South District Branch Office	
	West Palm Beach	Southeast District	
	Port St. Lucie	Southeast District Branch Office	
Reply Optional <input type="checkbox"/>		Reply Required <input type="checkbox"/>	Info Only <input type="checkbox"/>
Date Due _____		Date Due _____	

Comments:

DEC 17 1992

Department of Environmental Regulation
NORTHWEST DISTRICT

From: Andy Tingle
Quality Assurance

Tel.: SC 278-2796

For Routing To Other Than The Addressee

To: _____ Location: _____
To: _____ Location: _____
To: _____ Location: _____
From: _____ Date: _____

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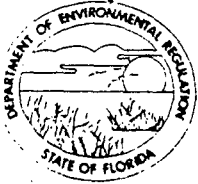
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must be submitted to
QAPP can be granted

2) The analytical method column in Section 5.4 must be completely filled out (eg. 351.2, 353.1, etc.).

3) Please respond to all other comments on the annotated pages of the QAPP.

Please forward this correspondence and all attachments (or copies) to the consultant or the respondent. Since a revised document is required, it must be sent directly to your office for technical review and forwarded to the QA Section for QA review.



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee

To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, PE I
SWD, Waste management

THROUGH: Sylvia S. Labie, Environmental Administrator *Sily*
Quality Assurance Section

FROM: Andrew R. Tintle, Environmental Supervisor *ART*
Quality Assurance Section

DATE: December 14, 1992

SUBJECT: Quality Assurance Review; Sumter County Solid Waste
Management Facility; Bushnell; QAPP #920245P
Submitted by Flowers Chemical Laboratories, Inc.

The subject document, received on August 17, 1992, has been reviewed and is being returned. Further detail on the status of this plan is explained in the enclosed guidance document (DER QAS #90-03), annotated pages of the QAPP and enclosed review comments.

The following review comments must be addressed:

- 1) The following information is not in the referenced laboratory CompQAP:
 - Appropriate digestion protocols for nutrient analyses. Please see the attached protocols for soil/sediment nutrient digestions.
 - Method 9045 in Section 5 with associated QA targets.
 - Fecal coliform testing by the MPN technique. MPN protocols must be used for this project. The laboratory CompQAP does not have the appropriate method reference with the associated QA targets in Section 5 or applicable QC in Section 11.Appropriate revisions to the laboratory CompQAP must be submitted to the DER QA Section and be approved before this QAPP can be granted approval status.
- 2) The analytical method column in Section 5.4 must be completely filled out (eg. 351.2, 353.1, etc.).
- 3) Please respond to all other comments on the annotated pages of the QAPP.

Please forward this correspondence and all attachments (or copies) to the consultant or the respondent. Since a revised document is required, it must be sent directly to your office for technical review and forwarded to the QA Section for QA review.

Memo to Mr. Kim Ford
QAPP #920245P
December 14, 1992
Page Two

If you have any questions concerning this matter, please call me at
SC 278-2796.

ART/art


attachments (3): DER QAS #90-03 (Explanation of Status)
annotated QAPP
EPA/COE nutrient digestion protocols

CERTIFICATION

Application No.

SF60-211255

I HEREBY CERTIFY that the engineering features described in the above referenced application (provide / ~~do not provide~~) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical and structural features).

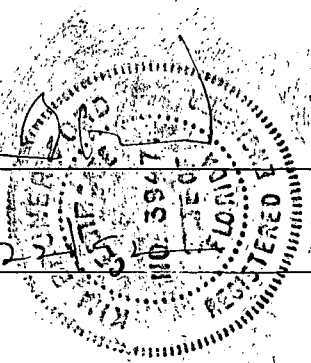


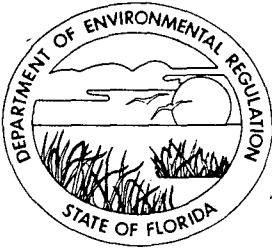
(Signed)

12/22/55

(Date)

(Seal)





Florida Department of Environmental Regulation

Southwest District

Lawton Chiles, Governor

3804 Coconut Palm

813-744-6100

Tampa, Florida 33619

Carol M. Browner, Secretary

December 17, 1992

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

Re: Leachate Treatment Facility Permit
Pending Permit SC60-211181
Sumter County

Dear Mr. Breeden:

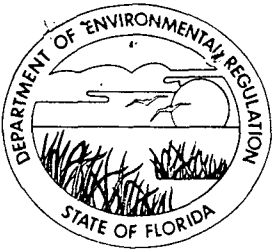
This letter is to advise you that Sumter County is exempt from having to obtain a permit for leachate treatment and the pending permit SC60-211181 is no longer required. The \$1000 processing fee will be returned. All leachate shall be collected and managed according to the October 29, 1992 Operation, Maintenance and Service Manual by Springstead Engineering for the leachate recirculation system. The manual was approved by FDER as part of permit SO60-211179 that was issued on December 16, 1992.

Sincerely,

Robert J. Butera, P.E.
Solid Waste Manager
Division of Waste Management

KBF/ab

cc: John Springstead, P.E., Springstead Engineering
Kim B. Ford, P.E., FDER Tampa
Steve Morgan, FDER Tampa
Alvina Krug, FDER Tampa



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

NOTICE OF PERMIT

DEC 1 6 1992

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

Re: Sumter County Solid Waste Management Facility

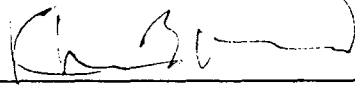
Dear Mr. Breeden:

Enclosed is Permit Number SO60-211179 to operate a facility for composting, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Any party to the Order (permit) has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399 and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab

cc: John Springstead, P.E., Springstead Engineering
Kathy Anderson, FDER Tallahassee
Robert Butera, P.E., FDER Tampa
Steve Morgan, FDER Tampa

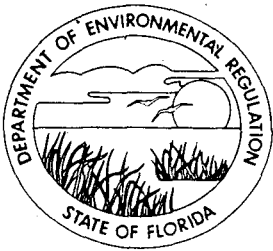
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on DEC 16 1992 to the listed persons.

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant
the designated Department,
Clerk, receipt of which is
hereby acknowledged.

Anna Black
Clerk

DEC 16 1992
Date



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

PERMITTEE

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

PERMIT/CERTIFICATION

GMS ID No: 4060C00092
Permit No: SO60-211179
Date of Issue: DEC 1 6 1992
Expiration Date: 11/1/97
County: Sumter
Lat/Long: 28°44'30"N
82°05'20"W
Sec/Town/Rge: 15/20S/22E
Project: Sumter County
Solid Waste
Management Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-4, 17-25, 17-701, 17-709, and 17-711. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

To operate a solid waste management facility (approximately 10 acres), referred to as the Sumter County Solid Waste Management Facility, for solid waste processing, composting, and sorting recovered materials, subject to the specific conditions attached. The site is located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida.

Replaces Permit No.: SC60-132071

PERMITTEE: Garry Bladen
Sumter County Solid Waste Management Facility

PERMIT NO: SC00-211179

SPECIFIC CONDITIONS:

1. This facility shall be operated in accordance with reports by Springstead Engineering dated March 30, May 29, July 29, October 2, and October 29, 1992 and revised plan sheet dated October 29, 1992. This facility shall be operated in accordance with all applicable requirements of Chapters 17-4, 17-25, 17-701, 17-709, and 17-711, Florida Administrative Code. Composting operations shall comply with Rules 17-709.500, 17-709.510, 17-709.515, FAC. The maximum time that processed wastes shall remain onsite from the time of receipt is 12 months. Records shall be kept to document the receipt of the material, location of the material on site through the processing time period, and when it was removed from the site. The emergency lined storage cell shall be emptied of all waste within two years of issuance of this permit and shall only be used for further waste storage upon prior approval by the Department. Approval is granted by the Department for six (6) months commencing on the date of issuance of this permit for the storage of processed fluff due to a delay resulting from the construction of the leachate recirculation system.

2. The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. Such control shall prevent the creation of these nuisance conditions on adjoining property. Complaints received from the general public and confirmed by Department personnel upon site inspection shall constitute a nuisance condition and the permittee must take immediate corrective action to abate the nuisance.

3. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous waste is a solid waste identified by the Department as a hazardous waste in Chapter 17-730, Florida Administrative Code. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule.

4. All solid waste, recovered materials or residues handled at the facility shall be stored in a manner so as not to constitute a fire or safety hazard or a sanitary nuisance, and shall comply with all applicable local and state regulations. Recovered resources resulting from the facility and which may be offered for sale shall comply with applicable regulations of all appropriate state agencies.

5. Burning at this site is prohibited and is a violation of this permit. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Regulation.

6. The permittee shall dispose of all nonrecyclable goods in an appropriate disposal facility permitted by the Department. Only those wastes or materials specifically approved by FDER shall be accepted at the composting facility.

PERMITTEE: Garry B. Eden PERMIT NO: S 10-211179
Sumter County Solid Waste Management Facility

SPECIFIC CONDITIONS

7. The site shall continue to have a surface water management system operated and maintained to prevent surface water flow onto the facility site, and a stormwater runoff control system operated and maintained to collect and control stormwater as indicated in the original construction permit submittal. Any significant modification of the approved stormwater design must be resubmitted to the Department for approval prior to implementation.

8. The stormwater/leachate ponds shall be emptied and the liner inspected for degradation annually and to ensure it continues to have appropriate physical, chemical and mechanical properties to prevent failure due to physical contact with the waste or leachate, climatic conditions, and other applied stresses and hydraulic pressures. The inspection shall be conducted and a report with recommendations and conclusions shall be submitted to the Department, certified by a professional engineer.

9. The permittee shall continue to provide collection and treatment necessary to meet water quality standards of all leachate and other liquid wastes such as wash-down water produced as a result of the operation of the processing and composting facility.

10. A trained supervisor or foreman shall be responsible for maintaining the facility in an orderly, safe, and sanitary manner. Sufficient personnel shall be employed to adequately operate the facility in compliance with this permit and in accordance with the Operation, Maintenance and Service Manual by Springstead Engineering.

11. The composting operation shall comply with FAC Chapter 17-709 and the resulting compost product shall comply with FAC Rules 17-709.530, 17-709.550, and 17-709.600. Other materials produced from the operation must not be marketed and sold as compost if it does not meet the standards of FAC 17-709.550 and 17-709.600.

12. Measures shall be taken to avoid mixing incoming wastes with finished products ready to be used or sold for use to discourage the re-introduction of weed seeds and pathogens.

13. More than half of the compost stored at the facility shall be used or sold for use within each year. Further, any compost remaining at the facility for three years after it was produced shall be disposed of pursuant to the requirements of Chapter 17-701, F.A.C. or shall be reprocessed so that it can be sold or used.

PERMITTEE: Garry F. Eden PERMIT NO: 50-211179
Sumter County Solid Waste Management Facility

SPECIFIC CONDITIONS (cont'd)

14. The permittee shall record and maintain for three years the information set forth in Rule 17-709.530(2), FAC, regarding the activities for each month of operation of the facility. Records shall be available for inspection by Department personnel during normal business hours and shall be sent to the Department upon request.

15. The amount of compost or other products stored at the facility shall not exceed the designed capacity of 12,000 cubic yards for the total windrow area of the three compost pads.

16. Solid Waste which will not be made into compost or processed into other usable material shall be removed at least monthly.

17. Adequate equipment and reserve equipment shall be available for the mixing and turning of the windrow piles.

18. Each windrow pile shall be composted for a minimum of 20 consecutive days at an internal core temperature of 55°C degrees Celsius (131°F degrees Fahrenheit) and be completely turned at least 5 times during this twenty day period.

19. If odors are determined to be a nuisance at the site's boundaries, or if rainfall damages the final curing piles, odor controls or waterproof covers shall be provided.

20. The composting facility shall be operated so as to handle solid wastes on first-in, first-out basis. At no time shall any stored solid waste be allowed to remain unprocessed for more than seventy-two (72) hour. The expected life of a windrow is 60 days. Finished compost shall be removed for distribution to allow for new windrows. No windrow shall remain in process for longer than 120 days following the initial application of liquid waste water. Finished compost may remain longer than 120 days if normal operations including the size and number of rows remain unaffected.

21. Upon routine removal of each finished windrow, defective areas such as cuts or gouges found in the compost pad shall be repaired within 10 days. Should ponding occur on the compost pads for a duration of 72 hours or greater, the permittee shall implement measures to regrade and resurface areas on which ponding occurs. The windrow area's surface shall be inspected for degradation annually to ensure that the surface adequately withstands the wear and tear from normal operations. The inspection shall be conducted and a report with recommendations and conclusions shall be submitted to the Department, certified by a professional engineer.

SPECIFIC CONDITIONS (cont'd)

22. Stormwater or other surface water which comes into contact with the solid waste or mixed with leachate shall be considered leachate. All leachate shall be contained and shall not be discharged.

a. In the event that rainfall or evaporation rates cause the moisture content of the compost to exceed 65%, or cause the presence of standing liquid on the compost pad for longer than 72 hours following rainfall or application of liquid, then the permittee shall not apply any more liquid to the compost until the compost moisture content is less than 65%, and there is no standing liquid present on the compost pad.

b. The stormwater/leachate control ponds shall be kept in an aerobic condition at all times in order to prevent the development of nuisance conditions. This may require the installation of aeration equipment. The design of such equipment must be approved by the Department through issuance of a separate construction permit or modification of this permit.

23. The compost product will be sampled and analyzed as follows:

A composite sample of the compost produced at the composting facility shall be analyzed at intervals of every 20,000 tons of compost produced or every three months, whichever comes first, for:

<u>Parameter</u>	<u>Unit</u>	<u>Method</u>
Moisture	%	EPA 160.3
Total Nitrogen	% dry weight	EPA 351 & 353
Total Phosphorus	% dry weight	EPA 365
Total Potassium	% dry weight	EPA 3050/7610
Reduction in		
Organic Matter	%	EPA 160.4
Organic Matter	%	EPA 160.4
pH	standard units	EPA 9045
Foreign Matter	%	
Cadmium	mg/kg dry weight	EPA 3050/7130
Copper	mg/kg dry weight	EPA 3050/7210
Lead	mg/kg dry weight	EPA 3050/7420
Nickel	mg/kg dry weight	EPA 3050/7520
Zinc	mg/kg dry weight	EPA 3050/7950
Fecal Coliform	most probable number (MPN) per gram of volatile suspended solids(VSS)	SM 908

Those products produced not intending to meet or not meeting the compost standards shall not be marketed or sold as compost. The Department may decrease or increase the parameters to be analyzed for or the frequency of analysis based on monitoring data, changes in the waste stream or processing, or the potential presence of toxic substances.

PERMITTEE: Garry Eden PERMIT NO: 60-211179
Sumter County Solid Waste Management Facility

SPECIFIC CONDITIONS (cont'd)

24. Sampling and analysis activities as required by this permit shall be conducted by parties in accordance with a Department approved Quality Assurance Project Plan (Q.A.P.P.). Sampling and testing of the finished compost shall be in accordance with Rule 17-709.530(1), FAC. A copy of the test results shall be submitted to the Department within 30 days of sample collection. FAC Rule 17-709.530(1)(e), requires that sample collection, preservation, and analysis be pursuant to a Department-approved quality assurance plan. Documentation of the parties possession of an approved Q.A.P.P. shall be submitted to the Solid Waste Section, Department of Environmental Regulation, Southwest District Office, Tampa, Florida.

25. The finished compost shall comply with disinfection as defined in Rule 17-709.200(6), FAC.

26. An annual report shall be submitted to the Department by June 1 of each year in accordance with Rule 17-709.530(3), FAC.

27. In the event of damage to any portion of the composting facilities, the permittee shall immediately notify the Department of Environmental Regulation explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification shall be made within one week following the occurrence.

28. Construction activities approved as a part of this permit shall be completed within one hundred and eighty (180) days following issuance of this permit. Any construction not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. After all significant initial construction of the site or facility components have been completed, the engineer or the authorized public officer shall complete Certification of Construction Completion, Department Form 17-7.130(2) and contact the Department to arrange for Department representatives to inspect the facility in the company of the permittee, the engineer, and the proposed on-site facility operator. The inspection is to ensure that the site or facility components have been developed in accordance with the approved permit. "Record Drawings" shall be submitted to the Department.

29. Waste tires at the waste tire storage area shall be stored in accordance with the waste tire site requirements in Rule 17-711.510, FAC. Storage at the waste tire storage area is limited to 10 tons of waste tires. At least 75% of the waste tires that are delivered to or are contained on the site of the waste tire storage area at the beginning of each calendar year must be removed for disposal or recycling from the area during the year in a permitted solid waste management facility. An annual report summarizing these operations shall be submitted to the Department by March 1 of each year, pursuant to FAC 17-711.530(4).

- PERMITTEE: Garry F. Eden PERMIT NO: 50-211179
Sumter County Solid waste Management Facility

SPECIFIC CONDITIONS (cont'd)

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

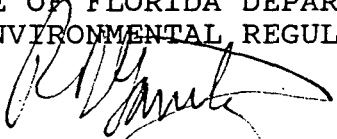
31. Prior to 90 days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules.

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

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

EXECUTED in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

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

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.

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



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To:	Location:
To:	Location:
To:	Location:
From:	Date:

Interoffice Memorandum

PERMIT COVER MEMO

TO: ☒ RICK GARRITY, DDM
☒ WILLIAM KUTASH, ENV. ADM. *WIK 11/12/92*
OGC, ATTN: _____

FROM/THROUGH:

RS 12-15-92
BOB BUTERS - 12/10/92
Kim Ford - 11/10/92
ENVIRONMENTAL ADMINISTRATOR
PROGRAM SUPERVISOR
SECTION SUPERVISOR
ENG, ENV SPEC, GEOLOGIST

DATE: 11/10/92

FILE NAME: SUMTER SW FACILITY
PROGRAM: SOLID WASTE

PERMIT
CASE #: SD60-211179
COUNTY: SUMTER

TYPE OF PERMIT ACTION: ☒ ISSUE ☒ DENY ☐ MODIFY
☐ TRANSFER OWNER ☐ NOD ☒ INTENT ☐ PUBLIC NOTICE

PUBLIC NOTICE PERIOD CLOSED?
PETITION? _____

RELEASED BY OGC? _____

PERMIT SUMMARY: THIS PERMIT IS TO ALLOW
THE CONTINUED OPERATION OF A
SOLID WASTE COMPOSTING FACILITY. THE PERMIT
ALLOWS OPERATION OF 2 NEW COMPOSTING AREAS AND
PROVIDE NEEDED SPACE TO COMPOST A LARGE AMOUNT
OF STORED SHREDDED WASTE.

PROFESSIONAL RECOMMENDATION: ☒ APPROVE ☐ DENY

EVALUATION SUMMARY:

I RECOMMEND THIS PERMIT BASED
ON REVIEW OF RELATED CORRESPONDENCE
AND SITE VISIT.

PUBLISHED ON 11/26/92
14 DAYS UP ON 12/11/92
NO PETITIONS AS OF 12/14/92

DAY 90/30 FOR THIS ACTION IS ASAP

CERTIFICATION

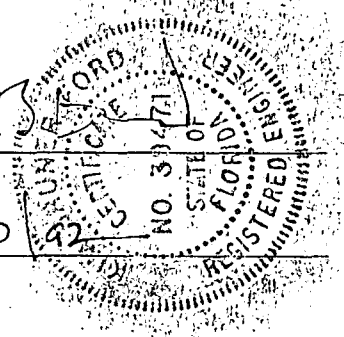
Application No. 5060-211179

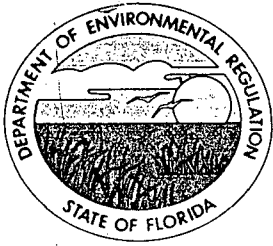
I HEREBY CERTIFY that the engineering features described in the above referenced application (provide / ~~do not provide~~) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical and structural features).

(Signed) _____

(Date) _____

(Seal) _____





Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

December 14, 1992

Garry Breeden
Sumter County Public Works
222 East McCollum
Bushnell, FL 33513

RE: GMS-4060C00092- Sumter County Landfill

Dear Mr. Breeden:

My review of the documentation submitted to demonstrate compliance with Rule 17-701.076, F.A.C. revealed additional information is necessary. It appears that an escrow account has been established and funded, but to complete my evaluation and determine your financial status, please submit the following:

- Documentation identifying the financial institution where the escrow account is established. This can be addressed by properly executing the escrow agreement sent with your letter dated 10/28/92 (Copy enclosed).
- Documentation from the financial institution indicating the account number, balance and the date of that balance.

If you have any questions, call me at 904/922-6104.

Sincerely,

Fred J. Wick
Environmental Specialist

FJW/rp

cc: ✓ Bob Butera
John Springstead

DEPARTMENT OF ENVIRONMENTAL REGULATION
LONG TERM CARE ESCROW AGREEMENT
SUMTER COUNTY LANDFILL

The Clerk of the Circuit Court of Sumter County - Finance Department has established an interest-bearing escrow account with the State Board of Administration, Agency Number _____. The beneficiaries of this account are (1) Sumter County Board of County Commissioners and (2) Secretary, Florida Department of Environmental Regulation. The trustee of this account shall be the Sumter County Clerk of the Circuit Court.

This account is an accumulative escrow account maintained for the sole purpose of long-term care of the Sumter County Landfill according to Rule 17-701.076 F.A.C. (1989). The total amount of money kept on deposit shall be determined by a Registered Professional Engineer with the State of Florida, and approved by the Department of Environmental Regulation.

Funds in this account will not be used for any other purpose other than landfill closure and long-term care, and disbursements from this escrow account shall be under the approval of the Finance Director - Clerk of the Circuit Court.

I have read this statement and fully understand its content.

Clerk of the Circuit Court

Date: Sept. 23, 1992

Finance Director

Date: Sept 29, 1992

Director of Public Works

Date: Sept 23, 1992

Proof of Publication

from the
SUMTER COUNTY TIMES
Bushnell, Sumter County, Florida
PUBLISHED WEEKLY

D.E.R.

DEC 08 1992

SOUTHWEST DISTRICT TAMPA

STATE OF FLORIDA
COUNTY OF SUMTER

Before the undersigned authority personally appeared

Gerard Mulligan

of the Sumter County Times, a newspaper published weekly on Thursday at Bushnell in Sumter County, Florida; that the attached copy of advertisement being a public notice in the matter of

Department of Environmental Regulation

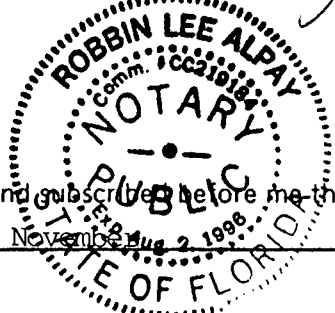
Notice of Proposed Agency Action on

Permit Application

Court, was published in said newspaper in the issues of
November 26, 1992

Affiant further says that the Sumter County Times is a newspaper published at Bushnell in said Sumter County, Florida, and that the said newspaper has heretofore been continuously published in Sumter County, Florida, each week and has been entered as second class mail matter at the post office in Bushnell in said Sumter County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Gerard Mulligan



Sworn to and subscribed before me this 26th
day of November, A.D. 19 92

Bonded By Western Surety Company

(SEAL) Notary Public

Robbin Lee Alpay
Robbin Lee Alpay

D.E.R.

DEC 15 1992

SOUTHWEST DISTRICT
TAMPA

SCT-637-1126
PUBLIC NOTICE
State of Florida
Department of
Environmental Regulation
Notice of Proposed Agency
Action on Permit Application
The Department gives notice
of its intent to issue a permit to Mr.
Gary Breeden, Director, Sumter
County Department of Public
Works, who applied on March 30,
1992, to the Department of Envi-
ronmental Regulation for a permit
to operate a solid waste manage-
ment facility (approximately 10
acres). This site is located 1 mile
east of Interstate 75 along the
south side of C.R. 470, north of
Bushnell, Sumter County, Florida,
referred to as the Sumter County
Solid Waste Management Facility,
and shall be utilized for solid
waste processing, composting
and storing recovered materials,
subject to the specific conditions
attached.

Persons whose substantial in-

terests are affected by the De-
partment's proposed permitting
decision may petition for an ad-
ministrative proceeding (hearing)
in accordance with Section
120.57, Florida Statutes. The peti-
tion must contain the information
set forth below, and must be filed
(received) in the Office of Gen-
eral Counsel of the Department at
2600 Blair Stone Road, Twin Towers
Office Building, Tallahassee, Flor-
ida 32399-2400, within fourteen
(14) days of publication of this no-
tice. Failure to file a request for
hearing within this time period
shall constitute a waiver of any
right such person may have to re-
quest an administrative determi-
nation (hearing) under Section
120.57, Florida Statutes.

The petition shall contain the
following information: (a) The
name, address, and telephone
number of each petitioner, the
applicant's name and address,
the Department Permit File Num-
ber and the county in which the
project is proposed; (b) A state-
ment of how and when each pe-
titioner received notice of Depart-
ment's action, or proposed ac-
tion; (c) A statement of how each
petitioner's substantial interest
are affected by the Department's
action or proposed action; (d) A
statement of the material facts
disputed by Petitioner, if any; (e)
A statement of facts which peti-
tioner contends warrant reversal
or modification of the Depart-
ment's action or proposed action;
(f) A statement of which rules or
statutes petitioner contends re-
quire reversal or modification of
the Department's action or pro-
posed action; and (g) A state-
ment of the relief sought by peti-
tioner, stating precisely the action
petitioner wants the Department
to take with respect to the De-
partment's action or proposed
action.

If a petition is filed, the admin-
istrative hearing process is de-
signed to formulate agency ac-
tion. Accordingly, the Depart-
ment's final action may be differ-
ent from the position taken by it in
this notice. Persons whose sub-
stantial interests will be affected
by any decision of the Depart-
ment with regard to the applica-
tion have the right to petition to
become a party to the proceed-
ing. The petition must conform to
the requirements specified above
and be filed (received) within 14
days of publication of this notice
in the Office of General Counsel
at the above address of the De-
partment.

Failure to petition within the
allowed time frame constitutes a
waiver of any right such person
has to request a hearing under
Section 120.57, Florida Statutes,
and to participate as a party to
this proceeding. Any subsequent
intervention will only be at the ap-
proval of the presiding officer
upon motion filed pursuant to
Rule 17-103.155, F.A.C.

The application is available
for public inspection during nor-
mal business hours, 8:00 a.m. to
5:00 p.m., Monday through Friday,
except legal holidays, at 3804 Co-
conut Palm Drive, Tampa, Florida
33619-8313.

Published one (1) time in the
Sumter County Times: Thursday,
November 26, 1992.

Proof of Publication

from the
SUMTER COUNTY TIMES
Bushnell, Sumter County, Florida
PUBLISHED WEEKLY

STATE OF FLORIDA
COUNTY OF SUMTER

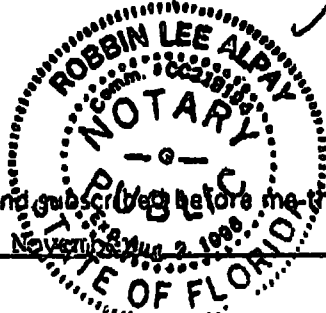
re the undersigned authority personally appeared
Gerard Mulligan

of the Sumter County Times, a newspaper published weekly on Thursday at Bushnell in Sumter County, Florida; that the attached copy of advertisement being a public notice in the matter of

Department of Environmental Regulation
Notice of Proposed Agency Action on
Permit Application

Court, was published in said newspaper in the issues of
November 20, 1992

Affiant further says that the Sumter County Times is a newspaper published at Bushnell in said Sumter County, Florida, and that the said newspaper has heretofore been continuously published in Sumter County, Florida, each week and has been entered as second class mail matter at the post office in Bushnell in said Sumter County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor procured any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.



Sworn to and subscribed before me this 26th
day of November, 1992 A.D. 19 92

Bonded By Western Surety Company

(REAL) Notary Public

Robbin Lee Alpay
Robbin Lee Alpay

Post-It™ brand fax transmittal memo 7671

of pages 1

To <u>K. FORD</u>	From <u>G. Breeden</u>
Co. <u>D.E.R.</u>	Co. <u>Sumter Co. Public Works</u>
Dept.	Phone # <u>904-793-0240</u>
Fax # <u>813-744-6090</u>	Fax # <u>904-793-0247</u>

DCT-657-1123
PUBLIC NOTICE
State of Florida
Department of

Environmental Regulation
Notice of Proposed Agency
Action on Permit Application

The Department gives notice of its intent to issue a permit to Mr. Gary Breeden, Director, Sumter County Department of Public Works, who applied on March 30, 1992, to the Department of Environmental Regulation for a permit to operate a solid waste management facility (approximately 10 acres), this site is located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida, referred to as the Sumter County Solid Waste Management Facility, and shall be utilized for solid waste processing, composting and recycling recovered materials, and to the specific conditions attached.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below, and must be filed (received) in the Office of General Counsel of the Department at 2600 West State Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number, and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of Department's action, or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of Department's action or proposed action; (f) A statement of which rules of statutory petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

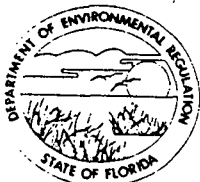
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department.

Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 17-103.125, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 3601 Corporate Park Drive, Tampa, Florida 33619-6013.

Published one (1) time in the Sumter County Times on Thursday, November 26, 1992.

4 22 Public Index 12/7/92



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
_____	Location: _____
_____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II

THROUGH: Diane Trommer, P.G. II DT 12-7-92

FROM: Mary Yeargan, E.S. III my 12/7/92

DATE: December 7, 1992

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. SF60-211255

.....

The Groundwater Cleanup Section has reviewed the response to request for additional information for the subject solid waste permit applications for Sumter County, dated November 6, 1992, and has the following comments:

- 1) The proposed location for monitor well MW-8 is acceptable. The proposed location for monitor well MW-9 should be at the boundary of the zone of discharge, which is 100 feet from the landfill boundary or the property boundary, whichever is less, as per Section 17-522.410(2)(a), formerly 17-28.700(4)2, Florida Administrative Code.
- 2) The applicant should provide construction details for the new groundwater monitor wells prior to construction.
- 3) A statement from our previous review comments regarding sampling and analyses upon permit renewal needs clarification. All detection limits for EPA Method 624/625 should be less than the maximum contaminant levels for each parameter. All compounds not typically reported for this analytical method whose peaks are greater than 10ug/l should be identified and reported.

Please convey the above comments to the applicant. We would appreciate the opportunity to review the draft permit. If you have any questions, please call.

MEY



**Springstead
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

727 South 14th Street
Leesburg, Florida 34748

D.E.R.

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

November 24, 1992

NOV 30 1992

Mr. Kim Ford, P.E.
Department of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33619

SOUTHWEST DISTRICT TAMPA

**RE: SUMTER COUNTY VOLUME REDUCTION
PERMIT S060C00092
SPECIFIC CONDITIONS
921100.00**

Dear Mr. Ford:

Specific conditions #1 stated that "The emergency lined storage cell shall be emptied of all waste within two years of issuance of this permit and shall only be used for further waste storage upon prior approval by the Department".

Please accept this letter as our formal request for Florida Department of Environmental Regulation (FDER) approval to use the emergency lined cell as a buffer for a six month period to store processed fluff during which time the county is constructing the leachate recirculation system.

It is imperative that you allow us this six month leeway because we will have no other place to store the fluff should we not be allowed to put it in the emergency cell.

We trust that this request will be granted so that we can accept the permit as processed.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.

John W. Springstead, P.E.

JWS/jal

cc: Garry Breeden

(FORD-N24)

SPECIFIC CONDITIONS:

Item 28 sentence #1 reads as follows:

Construction activities approved as a part of this permit shall be completed within one hundred and twenty days (120) following issuance of this permit.

Item 28 sentence #1 should read as follows:

Construction activities approved as a part of this permit shall be completed within one hundred and eighty days (180) following issuance of this permit.



Springstead
Engineering

Member of American Consulting Engineers Council

247 South 14th Street
Tampa, Florida 33604

November 24, 1992

Phone (813) 787-1414
Sumter (804) 793-3849
Fax (813) 787-7221

Mr. Kim Ford, P.E.
Department of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: SUMTER COUNTY VOLUME REDUCTION
PERMIT S060C00092
SPECIFIC CONDITIONS
921100.00

FAX TRANSMISSION
DATE: 11/24/92 FAX# 813-787-7221
TO: Kim Ford
FROM: John W. Springstead
CO: SEI
FNO: 787-1979 FAX# 787-7221

Dear Mr. Ford:

Specific conditions #1 stated that "The emergency lined storage cell shall be emptied of all waste within two years of issuance of this permit and shall only be used for further waste storage upon prior approval by the Department".

Please accept this letter as our formal request for Florida Department of Environmental Regulation (FDER) approval to use the emergency lined cell as a buffer for a six month period to store processed fluff during which time the county is constructing the leachate recirculation system.

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Very truly yours,

SPRINGSTEAD ENGINEERING, INC.

John W. Springstead

John W. Springstead, P.E.

JWS/jal

cc: Garry Breeden

(FORD.N24)

SPECIFIC COMMENTS:

Item 28 sentence #1 reads as follows:

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Item 28 sentence #1 should read as follows:

Construction activities approved as a part of this permit shall be completed within one hundred and eighty days (180) following issuance of this permit.

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION**

In the Matter of an
Application for Permit by

DER File No. SO60-211179

Garry Breeden
Sumter County
Department of Public Works
222 East McCollum Avenue
Bushnell, Florida 33513

NOV 16 1992

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its Intent to Issue a operation permit (copy attached) for the proposed project as detailed in the application specified above. The Division is issuing this Intent To Issue for the reasons stated below.

The applicant, Mr. Garry Breeden, Director, Sumter County Department of Public Works, applied on March 30, 1992, to the Department of Environmental Regulation for a permit to operate a solid waste management facility (approximately 10 acres), referred to as the Sumter County Solid Waste Management Facility, for solid waste processing, composting and storing recovered materials, subject to the specific conditions attached. The site is located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida.

The Department has permitting jurisdiction under 403.707 and 403.861, Florida Statutes, and Rules 17-4, 17-701, and 17-709, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that an operation permit is required for the proposed work.

The Department intends to issue this permit based on its belief that reasonable assurances have been provided to indicate that the proposed project will not adversely impact water quality and the proposed project will comply with the appropriate provisions of Chapters 17-3, 17-25, 17-701, and 17-709, subject to the specific conditions attached in the permit.

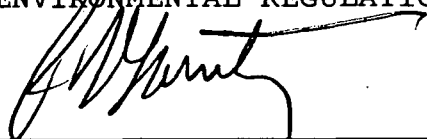
Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit application. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S. A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. Petitions must comply with the requirements of Florida Administrative Code Rule 17-103.155 (copy enclosed) and be filed with (received by) the Office of

General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Richard D. Garrity, Ph.D.
Director of District Management
of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33619-8313

Attachment

cc: John Springstead, P.E., Springstead Engineering
Doug Beason, OGC, Tallahassee
Kathy Anderson, FDER, Tallahassee
Robert Butera, P.E., FDER Tampa
Steve Morgan, FDER Tampa
Elected Officials Notification List

CERTIFICATE OF SERVICE

The undersigned duly designated deputy Clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on NOV 16 1992 to the listed persons.

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

Anna Blak
Clerk

NOV 16 1992
Date

P 718 865 168
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to <u>Garry Breeden</u>	
Street and No. <u>Sumter County</u>	
P.O. State and ZIP Code <u>Public Works</u>	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date <u>11-16-92</u>	

<p>● SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.</p> <p>1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address. 2. <input type="checkbox"/> Restricted Delivery (Extra charge)</p>	
3. Article Addressed to: <u>Garry Breeden</u> <u>Sumter County</u> <u>Dept. of Public Works</u> <u>222 E. McCollum Ave</u> <u>Bushnell, FL 33513</u>	4. Article Number <u>P 718 865 168</u>
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or Agent and DATE DELIVERED.	
5. Signature - Addressee <u>Jayce J. Cornell</u>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <u>X</u>	
7. Date of Delivery <u>11/17/92</u>	

NOV 23 1992
SOUTHWEST DISTRICT
TAMPA

PS Form 3811, Apr. 1989

★ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

State of Florida
Department of Environmental Regulation
Notice of Proposed Agency Action on Permit Application

The Department gives notice of its intent to issue a permit to Mr. Garry Breeden, Director, Sumter County Department of Public Works, who applied on March 30, 1992, to the Department of Environmental Regulation for a permit to operate a solid waste management facility (approximately 10 acres). This site is located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida, referred to as the Sumter County Solid Waste Management Facility, and shall be utilized for solid waste processing, composting and storing recovered materials, subject to the specific conditions attached.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of Department's action, or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department.

Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 17-103.155, F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 3804 Coconut Palm Drive, Tampa, Florida 33619-8313.

RULES OF THE ADMINISTRATION COMMISSION, MODEL RULES OF PROCEDURE
CHAPTER 28-5 DECISIONS DETERMINING SUBSTANTIAL INTERESTS
PART II, FORMAL HEARINGS
A) PREHEARING PROCEDURES

28-5.201 Initiation of Formal Proceedings.

(1) Initiation of formal proceedings shall be made by petition to the Agency responsible for rendering final Agency action. The term petition as used herein includes any application or other document which expresses a request for formal proceedings. Each petition should be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced and indented.

(2) All petitions filed under these rules should contain:

(a) The name and address of each Agency affected and each Agency's file or identification number, if known;

(b) The name and address of the petitioner or petitioners, and an explanation of how his/her substantial interests will be affected by the Agency determination;

(c) A statement of when and how petitioner received notice of the Agency decision of intent to render a decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;

(f) A demand for relief to which the petitioner deems himself entitled; and

(g) Other information which the petitioner contends is material.

(3) Upon receipt of a petition for formal proceedings, the Agency shall either accept or deny the petition, and if accepted shall elect either to conduct the hearing itself through the Agency head, or member thereof, assign a person authorized by Subsection 120.57(1)(a) or other authority, or request that a Hearing Officer from the Division of Administrative Hearings be assigned to conduct the hearing.

(a) A petition may be denied if the petitioner does not state adequately a material factual allegation, such as a substantial interest in the Agency determination, or if the petition is untimely.

(b) The Agency shall promptly give written notice to all parties of the action taken on the petition, and shall state with particularity its reasons therefor.

(4) If the Agency elects to request that a Hearing Officer of the Division of Administrative Hearings be assigned to conduct the hearing, the Agency shall forward the petition, and all materials filed with the Agency, to the Division of Administrative hearings, and shall notify all parties of its action.

Specific Authority: 120.53(1), 120.54(10), F.S.

Law Implemented: 120.57, F.S.

History: New 3-23-80

Section 17-103.155, Florida Administrative Code
Rules of Administrative Procedure
Final Agency Action (Non-Rulemaking) and Appeal

17-103.155 Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

(1)(a) Any person whose substantial interests may be affected by proposed or final agency action by the Department may file a petition for formal administrative hearing in accordance with this rule if the person disputes the material facts upon which the Department's action is based.

(b) Any person whose substantial interests may be affected by proposed or final action by the Department may file a petition for informal administrative hearing in accordance with this rule if the person objects to the Department's action but does not dispute the material facts upon which the Department's action is based.

(2) A petition for formal or informal administrative hearing pursuant to Section 120.57, F.S., shall contain the following information:

(a) The name, address, and telephone number of each petitioner. If the petitioner challenges a Department action or proposed action on a permit application, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed shall also be included;

(b) A statement of how and when each petitioner received notices of the Department action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of those material facts (i.e., those facts upon which the Department's action or proposal is based) is disputed by petitioner. If no facts are disputed, petitioner shall so state;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action;

(g) A statement of relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

(3)(a) A petition shall be in the form required by this rule and must be filed (received) in the Office of General Counsel of the Department within the following number of days after receipt or publication (whichever occurs first) of notice of proposed agency action or of notice of agency action:

1. Petitions concerning Department action or proposed action on applications for permits (except permits for hazardous waste facilities): 30 days;

2. Petitions concerning Department action or proposed action on applications for hazardous waste facility permits: 45 days;

3. Petitions concerning notices of violation when no informal conference is held: 20 days after receipt of the notice of violation;

4. Petitions concerning notices of violation when an informal conference is held: 10 days after receipt of notice of completion of the informal conference;

5. Petitions concerning other Department actions or proposed actions: 21 days. The petitioner shall also serve a copy of the petition on all other parties to the proceeding, as identified in the published notice, at the time of filing.

(b) Failure to timely file a petition within the applicable time period after receipt of notice of agency action or receipt of notice of proposed agency action, whichever notice first occurs, shall constitute a waiver of any right to request an administrative proceeding under Chapter 120, F.S.

(4) If a petition is filed that does not substantially comply with the requirements of subsection (2) of this rule, the Department shall issue an order dismissing the petition with leave to file an amended petition complying with the requirements of this rule within 15 days of service of the order. If an amended petition complying with this rule is not filed (received) within 15 days of service of the order, the petitioner's right to a proceeding under Section 120.57, F.S., is waived.

(5) When there has been no publication of notice of agency action or notice of proposed agency action as prescribed in Rule 17-103.150, F.A.C., a person who has actual knowledge of the agency action or has knowledge which would lead a reasonable person to conclude that the Department has taken final agency action, has a duty to make further inquiry within 14 days of obtaining such knowledge by contacting the Department to ascertain whether action has occurred. The Department shall upon receipt of such an inquiry, if agency action has occurred, promptly provide the person with notice as prescribed by Rule 17-103.150, F.A.C. Failure of the person to make inquiry with the Department within 14 days after obtaining such knowledge may stop the person from obtaining an administrative proceeding on the agency action.

(6)(a) "Receipt of notice of agency action" means receipt of written notice of final agency action, as prescribed by Department rule, or the publication, pursuant to Department rule, of notice of final agency action, whichever first occurs.

(b) "Receipt of notice of proposed agency action" means receipt of written notice (such as a letter of intent) that the Department proposes to take certain action, or the publication pursuant to Department rule of notice of proposed agency action, whichever first occurs.

(7) Notwithstanding any other provision in this Chapter, should a substantially affected person who fails to timely request a hearing under Section 120.57, F.S., administratively appeal the final Department action or order, the record on appeal shall be limited to:

(a) the application and accompanying documentation submitted by the applicant prior to the issuance of the agency's intent to issue or deny the requested permit;

(b) the materials and information relied upon by the agency in determining the final agency action or order;

(c) any notices issued or published; and

(d) the final agency action or order entered concerning the permit application.

(8) In such cases where persons do not timely exercise their rights accorded by Section 120.57(1), Florida Statutes, the allegations of fact contained in or incorporated by the final agency action shall be deemed uncontested and true, and appellants may not dispute the truth of such allegations upon subsequent appeal.

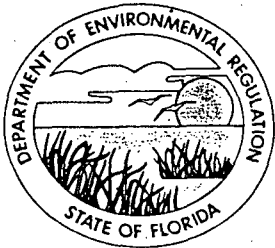
(9) Any applicant may challenge the Department's request for additional information by filing with the Office of General Counsel an appropriate petition for administrative proceeding pursuant to Section 120.60, F.S., following receipt by the applicant of the Department's notification pursuant to Section 403.0876, F.S., that additional information is required.

Specific Authority: 120.53, 403.0876, 403.815, F.S.

Law Implemented: 120.53, F.S.

History: New 9-20-79; Amended 4-28-81; Transferred from 17-1.62 and Amended

6-1-84; Amended 10-19-88.



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

DRAFT

PERMITTEE

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

PERMIT/CERTIFICATION

GMS ID No: 4060C00092
Permit No: SO60-211179
Date of Issue:
Expiration Date: 11/1/97
County: Sumter
Lat/Long: 28°44'30"N
82°05'20"W
Sec/Town/Rge: 15/20S/22E
Project: Sumter County
Solid Waste
Management Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-4, 17-25, 17-701, and 17-709. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

To operate a solid waste management facility (approximately 10 acres), referred to as the Sumter County Solid Waste Management Facility, for solid waste processing, composting, and sorting recovered materials, subject to the specific conditions attached. The site is located 1 mile east of Interstate 75 along the south side of C.R. 470, north of Bushnell, Sumter County, Florida.

Replaces Permit No.: SC60-132071

SPECIFIC CONDITIONS:

DRAFT

1. This facility shall be operated in accordance with plans by Springstead Engineering dated March 30, May 29, July 29, October 2, and October 29, 1992 and revised plan sheet dated October 29, 1992. This facility shall be operated in accordance with all applicable requirements of Chapters 17-4, 17-25, 17-701, and 17-709, Florida Administrative Code. Composting operations shall comply with Rules 17-709.500, 17-709.510, 17-709.515, FAC. The maximum time that processed wastes shall remain onsite from the time of receipt is 12 months. Records shall be kept to document the receipt of the material, location of the material on site through the processing time period, and when it was removed from the site. The emergency lined storage cell shall be emptied of all waste within two years of issuance of this permit and shall only be used for further waste storage upon prior approval by the Department.
2. The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. Such control shall prevent the creation of these nuisance conditions on adjoining property. Complaints received from the general public and confirmed by Department personnel upon site inspection shall constitute a nuisance condition and the permittee must take immediate corrective action to abate the nuisance.
3. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous waste is a solid waste identified by the Department as a hazardous waste in Chapter 17-730, Florida Administrative Code. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule.
4. All solid waste, recovered materials or residues handled at the facility shall be stored in a manner so as not to constitute a fire or safety hazard or a sanitary nuisance, and shall comply with all applicable local and state regulations. Recovered resources resulting from the facility and which may be offered for sale shall comply with applicable regulations of all appropriate state agencies.
5. Burning at this site is prohibited and is a violation of this permit. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Regulation.
6. The permittee shall dispose of all nonrecyclable goods in an appropriate disposal facility permitted by the Department. Only those wastes or materials specifically approved by FDER shall be accepted at the composting facility.

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SPECIFIC CONDITIONS

7. The site shall continue to have a surface water management system operated and maintained to prevent surface water flow onto the facility site, and a stormwater runoff control system operated and maintained to collect and control stormwater as indicated in the original construction permit submittal. Any significant modification of the approved stormwater design must be resubmitted to the Department for approval prior to implementation.
8. The stormwater/leachate ponds shall be emptied and the liner inspected for degradation annually and to ensure it continues to have appropriate physical, chemical and mechanical properties to prevent failure due to physical contact with the waste or leachate, climatic conditions, and other applied stresses and hydraulic pressures. The inspection shall be conducted and a report with recommendations and conclusions shall be submitted to the Department, certified by a professional engineer.
9. The permittee shall continue to provide collection and treatment necessary to meet water quality standards of all leachate and other liquid wastes such as wash-down water produced as a result of the operation of the processing and composting facility.
10. A trained supervisor or foreman shall be responsible for maintaining the facility in an orderly, safe, and sanitary manner. Sufficient personnel shall be employed to adequately operate the facility in compliance with this permit and in accordance with the Operation, Maintenance and Service Manual by Springstead Engineering.
11. The composting operation shall comply with FAC Chapter 17-709 and the resulting compost product shall comply with FAC Rules 17-709.530, 17-709.550, and 17-709.600. Other materials produced from the operation must not be marketed and sold as compost if it does not meet the standards of FAC 17-709.550 and 17-709.600.
12. Measures shall be taken to avoid mixing incoming wastes with finished products ready to be used or sold for use to discourage the re-introduction of weed seeds and pathogens.
13. More than half of the compost stored at the facility shall be used or sold for use within each year. Further, any compost remaining at the facility for three years after it was produced shall be disposed of pursuant to the requirements of Chapter 17-701, F.A.C. or shall be reprocessed so that it can be sold or used.

SPECIFIC CONDITIONS (cont'd)

DRAFT

14. The permittee shall record and maintain for three years the information set forth in Rule 17-709.530(2), FAC, regarding the activities for each month of operation of the facility. Records shall be available for inspection by Department personnel during normal business hours and shall be sent to the Department upon request.

15. The amount of compost or other products stored at the facility shall not exceed the designed capacity of 12,000 cubic yards for the total windrow area of the three compost pads.)

16. Solid Waste which will not be made into compost or processed into other usable material shall be removed at least monthly.

17. Adequate equipment and reserve equipment shall be available for the mixing and turning of the windrow piles.

18. Each windrow pile shall be composted for a minimum of 20 consecutive days at an internal core temperature of 55°C degrees Celsius (131°F degrees Fahrenheit) and be completely turned at least 5 times during this twenty day period.

19. If odors are determined to be a nuisance at the site's boundaries, or if rainfall damages the final curing piles, odor controls or waterproof covers shall be provided.

20. The composting facility shall be operated so as to handle solid wastes on first-in, first-out basis. At no time shall any stored solid waste be allowed to remain unprocessed for more than seventy-two (72) hour. The expected life of a windrow is 60 days. Finished compost shall be removed for distribution to allow for new windrows. No windrow shall remain in process for longer than 120 days following the initial application of liquid waste water. Finished compost may remain longer than 120 days if normal operations including the size and number of rows remain unaffected.

21. Upon routine removal of each finished windrow, defective areas such as cuts or gouges found in the compost pad shall be repaired within 10 days. Should ponding occur on the compost pads for a duration of 72 hours or greater, the permittee shall implement measures to regrade and resurface areas on which ponding occurs. The windrow area's surface shall be inspected for degradation annually to ensure that the surface adequately withstands the wear and tear from normal operations. The inspection shall be conducted and a report with recommendations and conclusions shall be submitted to the Department, certified by a professional engineer.

SPECIFIC CONDITIONS (cont'd)

DRAFT

22. Stormwater or other surface water which comes into contact with the solid waste or mixed with leachate shall be considered leachate. All leachate shall be contained and shall not be discharged.

a. In the event that rainfall or evaporation rates cause the moisture content of the compost to exceed 65%, or cause the presence of standing liquid on the compost pad for longer than 72 hours following rainfall or application of liquid, then the permittee shall not apply any more liquid to the compost until the compost moisture content is less than 65%, and there is no standing liquid present on the compost pad.

b. The stormwater/leachate control ponds shall be kept in an aerobic condition at all times in order to prevent the development of nuisance conditions. This may require the installation of aeration equipment. The design of such equipment must be approved by the Department through issuance of a separate construction permit or modification of this permit.

23. The compost product will be sampled and analyzed as follows:

A composite sample of the compost produced at the composting facility shall be analyzed at intervals of every 20,000 tons of compost produced or every three months, whichever comes first, for:

<u>Parameter</u>	<u>Unit</u>	<u>Method</u>
Moisture	%	EPA 160.3
Total Nitrogen	% dry weight	EPA 351 & 353
Total Phosphorus	% dry weight	EPA 365
Total Potassium	% dry weight	EPA 3050/7610
Reduction in		
Organic Matter	%	EPA 160.4
Organic Matter	%	EPA 160.4
pH	standard units	EPA 9045
Foreign Matter	%	
Cadmium	mg/kg dry weight	EPA 3050/7130
Copper	mg/kg dry weight	EPA 3050/7210
Lead	mg/kg dry weight	EPA 3050/7420
Nickel	mg/kg dry weight	EPA 3050/7520
Zinc	mg/kg dry weight	EPA 3050/7950
Fecal Coliform	most probable number (MPN) per gram of volatile suspended solids(VSS)	SM 908

Those products produced not intending to meet or not meeting the compost standards shall not be marketed or sold as compost. The Department may decrease or increase the parameters to be analyzed for or the frequency of analysis based on monitoring data, changes in the waste stream or processing, or the potential presence of toxic substances.

SPECIFIC CONDITIONS (cont'd)

DRAFT

24. Sampling and analysis activities as required by this permit shall be conducted by parties in accordance with a Department approved Quality Assurance Project Plan (Q.A.P.P.). Sampling and testing of the finished compost shall be in accordance with Rule 17-709.530(1), FAC. A copy of the test results shall be submitted to the Department within 30 days of sample collection. FAC Rule 17-709.530(1)(e), requires that sample collection, preservation, and analysis be pursuant to a Department-approved quality assurance plan. Documentation of the parties possession of an approved Q.A.P.P. shall be submitted to the Solid Waste Section, Department of Environmental Regulation, Southwest District Office, Tampa, Florida.

25. The finished compost shall comply with disinfection as defined in Rule 17-709.200(6), FAC.

26. An annual report shall be submitted to the Department by June 1 of each year in accordance with Rule 17-709.530(3), FAC.

27. In the event of damage to any portion of the composting facilities, the permittee shall immediately notify the Department of Environmental Regulation explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification shall be made within one week following the occurrence.

28. Construction activities approved as a part of this permit shall be completed within one hundred and twenty days (120) following issuance of this permit. Any construction not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. After all significant initial construction of the site or facility components have been completed, the engineer or the authorized public officer shall complete Certification of Construction Completion, Department Form 17-7.130(2) and contact the Department to arrange for Department representatives to inspect the facility in the company of the permittee, the engineer, and the proposed on-site facility operator. The inspection is to ensure that the site or facility components have been developed in accordance with the approved permit. "Record Drawings" shall be submitted to the Department.

29. Prior to 90 days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules.

PERMITTEE: Garry B. Aden PERMIT NO: 00-211179
Sumter County Solid Waste Management Facility

SPECIFIC CONDITIONS (cont'd)

DRAFT

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

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

EXECUTED in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.

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



**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

November 4, 1992

Mr. Fred Wick
Department of Environmental Regulation
2600 Blainstone Road
Tallahassee, Florida 32301

RE: SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO: SF60-211255
FINANCIAL RESPONSIBILITY
921100.00

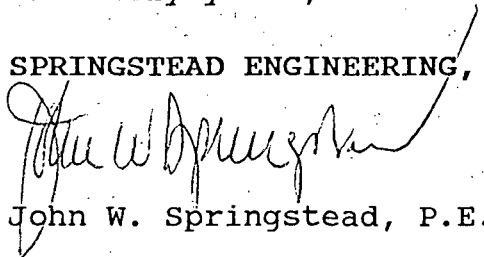
Dear Mr. Wick:

As requested by Mr. Kim Ford with the Solid Waste Section of the Florida Department of Environmental Regulation in Tampa, Springstead Engineering, Inc. requests your approval of Sumter County's financial responsibility documents.

If you have any comments or questions, please feel free to call. Thank you.

Sincerely yours,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.

JWS/jal

Enclosures

cc: Garry Breeden, Sumter County
Kim Ford, FDER

(WICK.N3)

D. E. R.

NOV - 9 1992

SOUTHWEST DISTRICT
TAMPA

13 7538 11 03.92 08:41 P.CP
SPRINGSTEAD ENGINEERING, INC.

727 S 14th Street
Leesburg, Florida 34748

TELECOPY TRANSMITTAL SHEET

DATE: 11-3-92

JOB NO: 92110

TO: MR. KIM FORD

COMPANY: FDER, TAMPA.

PHONE NUMBER:

TELECOPY NUMBER:

FROM: MIKE SPRINGSTEAD

COMPANY: Springstead Engineering, Inc.

PHONE NUMBER: (904) 787-1414

TELECOPY NUMBER: (904) 787 7221

NUMBER OF PAGES: 7 (Including This Cover Page)

ADDITIONAL COMMENTS: Kim, Here are the
Pipe connection specs from the AWWA
for the pipes SEI has specified
on the leachate system.
If you have any questions, Feel free
to call Mike Springstead

IN CASE OF ANY QUESTIONS, PLEASE CALL Mike Springstead AT (904) 787-1414.



American Water Works Association

ANSI/AWWA C900-81
(Revision of AWWA C900-75)

AWWA STANDARD

for

**POLYVINYL CHLORIDE (PVC) PRESSURE PIPE,
4 IN. THROUGH 12 IN., FOR WATER**



*First edition approved by AWWA Board of Directors Jun. 8, 1975
This edition approved Jan. 25, 1981.*

Approved by American National Standards Institute, Inc., May 12, 1981

AMERICAN WATER WORKS ASSOCIATION
6666 West Quincy Avenue, Denver, Colorado 80235

Sec. 1.3 Referenced Standards

This standard references the documents listed below. They form a part of this standard to the extent specified herein. In any case of conflict, the requirements of this standard shall prevail.

American Society for Testing and Materials* (ASTM) standards referred to in this standard are as follows:

D1598—Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure

D1599—Test Method for Short-Time Rupture Strength of Plastic Pipe, Tubing, and Fittings

D1784—Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds

D2122—Method of Determining Dimensions of Thermoplastic Pipe and Fittings

D2152—Test Method for Quality of Extruded Poly(Vinyl Chloride) (PVC) Pipe by Acetone Immersion

D2241—Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe (SDR-PR)

D2412—Test Method for External Loading Properties of Plastic Pipe by Parallel-Plate Loading

D2564—Specification for Solvent Ce-

ments for Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings

D2672—Specification for Bell-End Poly(Vinyl Chloride) (PVC) Pipe

D2774—Recommended Practices for Underground Installation of Thermoplastic Pressure Piping

D2837—Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials

D3036—Specification for Socket-Type Poly(Vinyl Chloride) (PVC) Plastic Line Couplings

D3139—Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals

F477—Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.

The National Sanitation Foundation* (NSF) Standard referred to in this standard is

Standard No. 14 for Plastic Piping System Components and Related Materials.

Sec. 1.4 Affidavit of Compliance

The manufacturer shall, if so specified by the purchaser, furnish an affidavit that all delivered materials comply with the requirements of this standard and of the purchaser.

(b) They comply with all applicable requirements of ASTM D1784 and standard.

(c) The finished products are equivalent in quality to products made from the compounds.

2.1.3 *Solvent cements.* PVC cements shall be manufactured to conform with the requirements of ASTM D2564.

2.1.4 *Qualification for potable service.* The PVC compounds used to make pipe and couplings, as well as solvent cements used, shall contain no ingredient in an amount that has demonstrated to migrate into water quantities considered to be toxic.

2.1.5 *Certification.* PVC pipe or products shall be tested and certified as suitable for potable water distribution products by the National Sanitation Foundation (NSF) Testing Laboratory, the Canadian Standards Association (CSA) Testing Laboratory, or any similarly accredited testing agency acceptable to the purchaser, in accordance with the requirements that are no less restrictive than the applicable requirements specified in Sec. 3 and Sec. 4 of the NSF Standard No. 14.

2.1.6 *Gaskets and lubricants.* Gaskets and lubricants intended for use with PVC pipe and couplings shall be made from materials that are compatible with the plastic material and with each other when used together, but that will not support the growth of bacteria and will not adversely affect the potability of the water that is to be transported.

2.1.6.1 *Elastomeric gaskets.* Each elastomeric-gasket bell-end pipe and elastomeric-gasket coupling shall be furnished with an elastomeric-gasket. Elastomeric gaskets shall be manufactured to conform with the requirements of ASTM F

Section 2—Pipe, Couplings, and Joining Materials

Sec. 2.1 Basic Materials

2.1.1 *Pipe and couplings.* PVC pipe and couplings shall be made from Class 12454-A or Class 12454-B virgin compounds, as defined in ASTM D1784, with an established hydrostatic-design-basis (HDB) rating of 4000 psi (27.58 MPa) for water at 73.4° F (23° C).

2.1.2 *Rework materials.* Clean, rework materials generated from the manufacturer's own pipe or fitting production may be used by the same manufacturer for same purposes provided that:

(a) They are the same class of PVC pipe or fitting material as specified by the purchaser in accordance with Sec. 2.1.1.

*1916 Race St., Philadelphia, PA 19103

*NSF Building, Ann Arbor, MI 48105

Poly(Vinyl Chloride) (PVC) and Fittings
Specification for Bell-End Chloride) (PVC) Pipe
Recommended Practices for and Installation of Thermoplastic Piping
Method for Obtaining Hydrogen Basis for Thermoplastic
Specification for Socket-Type Chloride) (PVC) Plastic Line

Specification for Joints for Pressure Pipes Using Flexible Seals
Specification for Elastomeric Gaskets for Joining Plastic Pipe.
National Sanitation Foundation*
Standard referred to in this standard

Standard No. 14 for Plastic Piping Components and Related Materials

Affidavit of Compliance

The manufacturer shall, if so specified by the purchaser, furnish an affidavit that the materials comply with the requirements of this standard and of the

Joining Materials

Rework materials. Clean, materials generated from the manufacture of pipe or fitting production shall be used by the same manufacturer for purposes provided that:

(a) They are the same class of PVC material as specified by the manufacturer in accordance with Sec. 2.1.1.

(b) They comply with all applicable requirements of ASTM D1784 and of this standard.

(c) The finished products are equal in quality to products made from virgin compounds.

2.1.3 Solvent cements. PVC solvent cements shall be manufactured to conform with the requirements of ASTM D2564.

2.1.4 Qualification for potable-water service. The PVC compounds used to make pipe and couplings, as well as solvent cements used, shall contain no ingredient in an amount that has been demonstrated to migrate into water in quantities considered to be toxic.

2.1.5 Certification. PVC compounds or products shall be tested and certified as suitable for potable-water distribution products by the National Sanitation Foundation (NSF) Testing Laboratory or the Canadian Standards Association (CSA) Testing Laboratory, or any other similarly accredited testing agency acceptable to the purchaser, in accordance with requirements that are no less restrictive than the applicable requirements specified in Sec. 3 and Sec. 4 of the NSF Standard No. 14.

2.1.6 Gaskets and lubricants. Gaskets and lubricants intended for use with PVC pipe and couplings shall be made from materials that are compatible with the plastic material and with each other when used together, but that will not support the growth of bacteria and will not adversely affect the potable qualities of the water that is to be transported.

2.1.6.1 Elastomeric gaskets: One gasket shall be furnished with each length of elastomeric-gasket bell-end pipe and two gaskets shall be furnished with each elastomeric-gasket coupling. Elastomeric gaskets shall be manufactured to conform with the requirements of ASTM F477.

Sec. 2.2 Pipe Requirements

2.2.1 Workmanship. Pipe shall be homogeneous throughout; free from voids, cracks, inclusions, and other defects; and as uniform as commercially practical in color, density, and other physical properties. Pipe surfaces shall be free from nicks, scratches, and other blemishes. The joining surfaces of pipe spigots and of integral-bell and sleeve-reinforced bell sockets shall be free from gouges and other imperfections that might cause leakage at joints.

2.2.2 Dimensions.

2.2.2.1 Pipe barrel: The dimensions and tolerances of the pipe barrel shall conform with the applicable requirements listed in Table 1 or 2 when measured as specified in ASTM D2241.

The wall-thickness range (*e*) of the pipe barrel at any cross section shall not exceed 12 percent when measured in accordance with ASTM D2122 and when calculated using Eq 1:

$$e = \frac{100(A-B)}{A} \quad (1)$$

where:

- e* = wall-thickness range
- A* = maximum wall thickness measured in any radial cross section
- B* = minimum wall thickness measured in the same cross section

2.2.2.2 Elastomeric-gasket bell ends: Wall-thickened and sleeve-reinforced bell-type pipe ends designed for joint assembly using elastomeric seals shall conform with one of the following requirements when measured according to ASTM D2122:

(a) **Integral wall-thickened bell end:** The minimum wall thickness of the bell, at any point, between the ring groove (gasket race) and the pipe barrel shall conform with the DR requirements for the pipe. The minimum wall thickness in the ring-

TABLE 3

Tapered Sockets^a for Solvent-Cement, Bell-End Pipe

Pipe Size, ^b in. and OD Base	Socket Entrance Diameter ^c in. (mm)		Socket End Diameter, ^c in. (mm)		Nominal	Maximum Out-of-Round	Tolerance	Maximum Out-of-Round	Socket Length, ^c in. (mm)
	Nominal	Tolerance	Nominal	Out-of-Round					
4 IPS 4 CI	4.518 (114.8) 4.818 (122.4)	±0.009 (0.23) ±0.009 (0.23)	4.49 (114.3) 4.79 (121.7)	±0.015 (0.38) ±0.015 (0.38)	4.49 (114.3) 4.79 (121.7)	±0.015 (0.38) ±0.015 (0.38)	±0.009 (0.23) ±0.009 (0.23)	±0.015 (0.38) ±0.015 (0.38)	4.000 (101.6) 4.000 (101.6)
6 IPS 6 CI	6.647 (168.8) 6.922 (175.8)	±0.011 (0.28) ±0.011 (0.28)	6.614 (168.0) 6.889 (175.0)	±0.030 (0.76) ±0.030 (0.76)	6.614 (168.0) 6.889 (175.0)	±0.030 (0.76) ±0.030 (0.76)	±0.011 (0.28) ±0.011 (0.28)	±0.030 (0.76) ±0.030 (0.76)	6.000 (152.4) 6.000 (152.4)
8 IPS 8 CI	8.655 (219.8) 9.080 (230.6)	±0.015 (0.38) ±0.015 (0.38)	8.610 (218.7) 9.035 (229.5)	±0.045 (1.14) ±0.045 (1.14)	8.610 (218.7) 9.035 (229.5)	±0.045 (1.14) ±0.045 (1.14)	±0.015 (0.38) ±0.015 (0.38)	±0.045 (1.14) ±0.045 (1.14)	6.000 (152.4) 6.000 (152.4)

^a An illustration of a tapered socket is in ASTM D2472.^b Diameter dimensions apply in part to solvent-cement couplings (Sec. 2.2.2.2).^c Socket lengths are minimum. All tolerance is on the plus side.

TABLE 4

Sustained Pressure Requirements
for PVC Pipe, 12454 A or 12454 B

DR	Pressure Required for Test With Water at 73.4° F (23° C) psi (MPa)
14	650 (4.48)
18	500 (3.45)
25	350 (2.41)

Test pressures were derived using a fiber of 4200 psi stress (28.96 MPa). Some adjustments were made to simplify testing = 1600 psi.

TABLE 5

Burst-Pressure Requirements for
PVC Pipe, 12454 A or 12454 B

DR	Minimum Burst Pressure for Water at 73.4° F (23° C) psi (MPa)
14	985 (6.79)
18	755 (5.21)
25	535 (3.69)

Minimum burst pressures were derived from fiber stress of 6400 psi (44.13 MPa) and rounded to the nearest 5.0 HDS = 1600 psi.

responding size and pressure class shall be furnished with each length of pipe. If solvent-cement couplings are used, the purchaser's supplementary specifications shall specify the DR, pipe size, and total number for each nominal size to be furnished.

2.3.1 *Workmanship.* The bearing surfaces of couplings shall conform with the same requirements as specified for pipe in Sec. 2.2.1.

2.3.2 Dimensions.

2.3.2.1 *Elastomeric-gasket couplings.* The wall thickness of PVC couplings designed for joint assembly using elastomeric seals shall be adequate to withstand internal pressures not less than the pressure

groove and bell-entry sections shall equal or exceed the minimum wall thickness of the pipe barrel.

(b) Integral sleeve-reinforced bell end: The minimum combined wall thickness of the reinforced bell, at any point, between the ring groove (gasket race) and the pipe barrel, shall conform with the DR requirements for the pipe. The minimum wall thickness in the ring-groove and bell-entry sections shall equal or exceed the minimum wall thickness of the pipe barrel.

2.2.2.3 Solvent-cement bell ends: Belled pipe ends designed for joint assembly using solvent cement shall conform with the following requirements when measured as specified in ASTM D2672.

(a) Wall thickness: The wall thicknesses and tolerances specified for pipe in

Tables 1 and 2 shall apply to bell ends. The minimum wall thickness of the bell, at any point, shall be at least equal to the specified minimum wall thickness for the pipe.

(b) Socket diameter and length: The inside diameters and lengths of bell sockets shall conform with the dimensional requirements listed in Table 3.

2.2.3 Physical properties

2.2.3.1 Sustained pressure: The pipe shall not fail, balloon, burst, or weep, as defined in ASTM D1598, at the applicable sustained pressure listed in Table 4 when tested for 1000 hours as specified in ASTM D2241. However, either free-end or restrained-end closures that are free of leaks at maximum pressure may be used.

TABLE 1

Dimensions and Pressure Classes for Dimension Ratio (DR) for
PVC^a Pipe With Steel-Pipe-Equivalent ODs

Nominal Size in.	Pressure Class at 73.4° F (23° C) ^a psi	DR	OD—in. (mm)		Wall Thickness—in. (mm)	
			Average	Tolerance	Minimum	Tolerance
4	100	25	4.500 (114.3)	±0.009 (0.23)	0.180 (4.57)	+0.022 (0.56)
4	150	18	4.500 (114.3)	±0.009 (0.23)	0.250 (6.35)	+0.030 (0.76)
4	200	14	4.500 (114.3)	±0.009 (0.23)	0.321 (8.15)	+0.039 (0.99)
6	100	25	6.625 (168.3)	±0.011 (0.28)	0.265 (6.73)	+0.032 (0.81)
6	150	18	6.625 (168.3)	±0.011 (0.28)	0.368 (9.35)	+0.044 (1.12)
6	200	14	6.625 (168.3)	±0.011 (0.28)	0.473 (12.01)	+0.057 (1.45)
8	100	25	8.625 (219.1)	±0.015 (0.38)	0.345 (8.76)	+0.041 (1.04)
8	150	18	8.625 (219.1)	±0.015 (0.38)	0.479 (12.17)	+0.057 (1.45)
8	200	14	8.625 (219.1)	±0.015 (0.38)	0.616 (15.65)	+0.074 (1.88)
10	100	25	10.750 (273.1)	±0.015 (0.38)	0.430 (10.92)	+0.052 (1.32)
10	150	18	10.750 (273.1)	±0.015 (0.38)	0.597 (15.16)	+0.072 (1.83)
10	200	14	10.750 (273.1)	±0.015 (0.38)	0.768 (19.51)	+0.092 (2.34)
12	100	25	12.750 (323.8)	±0.015 (0.38)	0.510 (12.95)	+0.061 (1.55)
12	150	18	12.750 (323.8)	±0.015 (0.38)	0.708 (17.98)	+0.085 (2.16)
12	200	14	12.750 (323.8)	±0.015 (0.38)	0.911 (23.14)	+0.109 (2.77)

^aHydrostatic Design Stress (HDS) = 1000 psi (See Sec. A 3.5)

^bPressure class ratings (See Sec. 2.8).

2.2.3.2 Burst pressure: The burst strength of pipe, including integral bell end, shall meet the applicable minimum pressure requirement in Table 5 when tested at 73.4° F ± 2° C (23° C ± 2° C) in accordance with specimen and sample sizes, conditions and procedural requirements in ASTM D1599 during a test-time of 60–70 s. However, if the test specimen is pressurized to a hydrostatic pressure to or greater than the minimum defined in Table 5 during a test time of 60–70 s, specimen failure is not required to demonstrate that minimum quick strength requirements have been met.

2.2.3.3 Hydrostatic integrity: pipe, including any integral bell end, shall not fail, balloon, burst, or weep when tested at 73.4° F ± 3.6° F (23° C ± 2° C).

Dimensions and Pressure Classes for
PVC^a Pipe With

Nominal Size in.	Pressure Class at 73.4° F (23° C) ^a psi	DR	Average
4	100	25	4.800
4	150	18	4.800
4	200	14	4.800
6	100	25	6.900
6	150	18	6.900
6	200	14	6.900
8	100	25	9.050
8	150	18	9.050
8	200	14	9.050
10	100	25	11.100
10	150	18	11.100
10	200	14	11.100
12	100	25	13.200
12	150	18	13.200
12	200	14	13.200

^aHydrostatic Design Stress (HDS) = 16

^bPressure class ratings (See Sec. 2.8).

and 2 shall apply to bell ends. Minimum wall thickness of the bell, at least, shall be at least equal to the minimum wall thickness for the

socket diameter and length. The dimensions and lengths of bell sockets shall conform with the dimensional requirements listed in Table 3.

Physical properties.

Sustained pressure. The pipe shall not fail, balloon, burst, or weep, as specified in ASTM D1598, at the applicable pressure listed in Table 4 when tested for 1000 hours as specified in ASTM D2241. However, either free-end or fixed-end closures that are free to move at maximum pressure may be

2.2.3.2 Burst pressure: The quick-burst strength of pipe, including any integral bell end, shall meet the applicable minimum pressure requirement listed in Table 5 when tested at $73.4^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$ ($23^{\circ}\text{C} \pm 2^{\circ}\text{C}$) in accordance with the specimen and sample sizes, conditioning, and procedural requirements listed in ASTM D1599 during a test-time period of 60–70 s. However, if the test specimen is pressurized to a hydrostatic pressure equal to or greater than the minimum values defined in Table 5 during a test time of 60–70 s, specimen failure is not required to demonstrate that minimum quick-burst strength requirements have been met.

2.2.3.3 Hydrostatic integrity: The pipe, including any integral bell end, shall not fail, balloon, burst, or weep when tested at $73.4^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$ ($23^{\circ}\text{C} \pm 2^{\circ}\text{C}$) in

accordance with Sec. 3.3.1.

2.2.3.4 Flattening: The pipe shall not split, crack, or break when tested by the parallel-plate method as specified in ASTM D2412.

2.2.3.5 Extrusion quality: The pipe shall not flake or disintegrate when tested by the acetone-immersion method as specified in ASTM D2152.

2.2.4 Standard lengths. Pipe shall be furnished in standard laying lengths of $20\text{ ft} \pm 1\text{ in.}$ ($6.1\text{ m} \pm 25\text{ mm}$) unless otherwise agreed upon at time of purchase. A maximum of 15 percent of each pipe size may be furnished in random lengths of not less than 10 ft (3 m) each.

Sec. 2.3 Coupling Requirements

If elastomeric-gasket couplings are to be used, one such coupling of a type

Dimension Ratio (DR) for all listed ODs

	Wall Thickness - in. (mm)	
	Minimum	Tolerance
1)	0.180 (4.57)	+0.022 (0.56)
1)	0.250 (6.35)	+0.030 (0.76)
1)	0.371 (9.41)	+0.039 (0.99)
2)	0.265 (6.73)	+0.032 (0.81)
3)	0.368 (9.35)	+0.044 (1.12)
4)	0.473 (12.01)	+0.057 (1.45)
5)	0.345 (8.76)	+0.041 (1.04)
6)	0.479 (12.17)	+0.057 (1.45)
7)	0.616 (15.65)	+0.074 (1.88)
8)	0.430 (10.92)	+0.052 (1.32)
9)	0.597 (15.16)	+0.072 (1.83)
10)	0.768 (19.51)	+0.092 (2.34)
11)	0.510 (12.95)	+0.061 (1.55)
12)	0.708 (17.98)	+0.085 (2.16)
13)	0.911 (23.14)	+0.109 (2.77)

TABLE 2
Dimensions and Pressure Classes for Dimension Ratio (DR) for all listed ODs
PVC Pipe With Steel Pipe-Equivalent ODs

Nominal Size in	Pressure Class at 73.4°F (23°C), psi	DR	OD - in. (mm)		Wall Thickness - in. (mm)	
			Average	Tolerance	Minimum	Tolerance
4	100	25	4.800 (121.9)	± 0.009 (0.23)	0.192 (4.88)	+0.023 (0.58)
4	150	18	4.800 (121.9)	± 0.009 (0.23)	0.267 (6.78)	+0.032 (0.81)
4	200	14	4.800 (121.9)	± 0.009 (0.23)	0.343 (8.71)	+0.041 (1.04)
6	100	25	6.900 (175.3)	± 0.011 (0.28)	0.276 (7.01)	+0.033 (0.84)
6	150	18	6.900 (175.3)	± 0.011 (0.28)	0.383 (9.73)	+0.046 (1.17)
6	200	14	6.900 (175.3)	± 0.011 (0.28)	0.493 (12.52)	+0.059 (1.50)
8	100	25	9.050 (229.9)	± 0.015 (0.38)	0.362 (9.19)	+0.043 (1.09)
8	150	18	9.050 (229.9)	± 0.015 (0.38)	0.503 (12.78)	+0.060 (1.52)
8	200	14	9.050 (229.9)	± 0.015 (0.38)	0.646 (16.41)	+0.078 (1.98)
10	100	25	11.100 (281.9)	± 0.015 (0.38)	0.444 (11.28)	+0.053 (1.35)
10	150	18	11.100 (281.9)	± 0.015 (0.38)	0.617 (15.67)	+0.074 (1.88)
10	200	14	11.100 (281.9)	± 0.015 (0.38)	0.793 (20.14)	+0.095 (2.41)
12	100	25	13.200 (335.3)	± 0.015 (0.38)	0.528 (13.41)	+0.063 (1.60)
12	150	18	13.200 (335.3)	± 0.015 (0.38)	0.733 (18.62)	+0.088 (2.24)
12	200	14	13.200 (335.3)	± 0.015 (0.38)	0.943 (23.95)	+0.113 (2.87)

*Hydrostatic Design Stress (HDS) = 1600 psi (See Sec. A.3.5).

*Pressure class ratings (See Sec. 2.8).

POLYVINYL CHLORIDE PRESSURE PIPE, 4 IN. THROUGH 12 IN.

7

TABLE 4
Sustained Pressure Requirements
for PVC Pipe, 12454 A or 12454 B

DR	Pressure Required for Test With Water at 73.4° F (23° C) psi (MPa)
14	650 (4.48)
18	500 (3.45)
25	350 (2.41)

Test pressures were derived using a fiber stress of 4200 psi stress (28.96 MPa). Some minor adjustments were made to simplify testing. HDPE = 1600 psi.

TABLE 5
Burst-Pressure Requirements for
PVC Pipe, 12454 A or 12454 B

DR	Minimum Burst Pressure for Water at 73.4° F (23° C) psi (MPa)
14	985 (6.79)
18	755 (5.21)
25	535 (3.69)

Minimum burst pressures were derived using a fiber stress of 6400 psi (44.13 MPa) and rounding off to the nearest 50. HDPE = 1600 psi.

responding size and pressure class shall be furnished with each length of plain-end pipe. If solvent-cement couplings are to be used, the purchaser's supplementary specifications shall specify the DR, pipe OD, and total number for each nominal size to be furnished.

2.3.1 **Workmanship.** The body and joining surfaces of couplings shall conform with the same requirements as specified for pipe in Sec. 2.2.1.

2.3.2 **Dimensions.**

2.3.2.1 **Elastomeric-gasket couplings:** The wall thickness of PVC couplings designed for joint assembly using elastomeric seals shall be adequate to withstand internal pressures not less than the pressure-

class rating of the pipe with which they are designed to be used.

2.3.2.2 **Solvent-cement couplings.** PVC tapered-socket couplings designed for solvent-cemented joints shall conform with the following requirements and all complementary requirements listed in ASTM D3036 when measured as specified therein.

(a) **Wall thickness:** The wall thickness of the coupling sockets and body (E and F, as illustrated in D3036) shall be at least equal to the minimum wall thickness specified for the specific pipe with which the coupling is designed to be used.

(b) **Inside diameter (ID)—socket:** The ID of coupling sockets at the entrance and the bottom shall be as follows: (1) when socket wall thickness is 0.325 in. (8.26 mm) or less, ID dimensions shall conform with the applicable requirements listed in Table 3; and (2) when socket wall thickness is more than 0.325 in. (8.26 mm), OD dimensions shall conform with the tolerance requirements listed in Table 3, but the nominal diameter requirements shall be 0.009, 0.011, and 0.015 in. (0.23, 0.28, and 0.38 mm) greater for the 4-, 6-, and 8-in. coupling sizes, respectively, than that listed in Table 3.

2.3.3 **Burst pressure.** The quick-burst strength of couplings shall not be less than the minimum burst pressure specified for the pipe with which the couplings are designed to be used when tested as specified in Sec. 2.2.3.2.

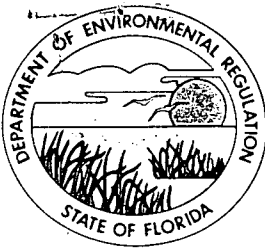
2.3.4 **Hydrostatic integrity.** Couplings shall not fail, balloon, burst, or weep when tested at 73.4° F ± 3.6° F (23° C ± 2° C) in accordance with Sec. 3.3.2.

Sec. 2.4 **Performance Requirements for Elastomeric-Gasket Joints**

Bell-end pipe and couplings designed for making PVC joints using elastomeric gaskets to affect the pressure seal shall be

* An illustration of a tapered socket is in ASTM D2673.
† Diameter dimensions apply in part to solvent-cement couplings (Sec. 2.3.2).
‡ Socket lengths are minimum. All tolerance is on the plus side.

8 C1 9 180 (7.30 k) 30.15 (1.31) 4.4 9 120 (5.33) 20.08 (0.91) 20.045 (1.14) 6.010 (1.52 k)



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

October 30, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Solid Waste Facilities
Permit No.: SF60-211255 Type of Permit
Long-Term Care

Dear Mr. Springstead:

This is to acknowledge receipt of your additional information in support of the application for long-term care.

This letter constitutes notice that permits will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your applications for permit remains incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

The following information is needed in support of the solid waste applications [Chapters 17-701, Florida Administrative Code (F.A.C.)]:

1. Your October 5, 1992 cost estimates have been approved and have been forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents.
2. Provide your response to Mary Yeargan's October 28, 1992 attached memorandum. Ms. Yeargan may be contacted at (813) 744-6100, extension 376.

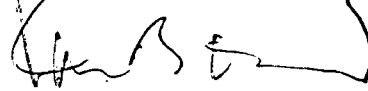
"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 17-12.070(5), F.A.C., if the Department does not receive a response to this request for information within 30 days of the date of this letter, the Department may issue a final order denying your application. If the response will require longer than 30 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of a timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

Mr. John Springstead
Springstead Engineering

October 30, 1992
Page Two

If there are points which must be discussed and/or resolved,
please contact me at (813) 744-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab

cc: Garry Breeden, Sumter County
Fred Wick, FDER Tallahassee
Sylvia Labie, FDER Tallahassee
Robert Butera, P.E., FDER Tampa
Steve Morgan, FDER Tampa
Mary Yeargan, P.G., FDER Tampa



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II *RB 10-30-92*

THROUGH: Diane Trommer, P.G. II *DT 10-29-92*

FROM: Mary Yeargan, E.S. III

DATE: October 28, 1992 *my 10/29/92*

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. SF60-211255

.....

The Groundwater Cleanup Section has reviewed the response to request for additional information for the subject solid waste permit applications for Sumter County, dated October 2, 1992, and has the following comments:

- 1) Due to the fluctuating groundwater flow direction, it will be necessary to expand the existing groundwater monitoring system for this permit. Groundwater monitoring wells should be proposed for the area south and southeast of the closed Class I landfill areas. Additionally, the Department will continue to require and use the groundwater elevations from the monitor wells to evaluate this landfill.
- 2) In our September 21, 1992 meeting with Springstead Engineering regarding this permit application, they requested that a Specific Condition for the abandonment of monitor well MW-3 be included in the referenced permit.
- 3) The lithology logs for monitor well MW-3 in the geologic cross-sections A-A' and D-D' do not coincide.
- 4) The use of auger borings near monitor well MW-3 to confirm whether the lithology log is mislabeled is appropriate.
- 5) The analytical parameters for this permit should be expanded due to the inconsistencies in the monitoring data and the presence of organic contaminants in the groundwater.

- 5) The analytical parameters for this permit should be expanded due to the inconsistencies in the monitoring data and the presence of organic contaminants in the groundwater.
- a) Upon permit renewal the groundwater monitor wells should be sampled and analyzed for:

EPA 624/625 parameters (all compounds detected above 10ug/l should be reported)

EPA Priority Pollutant Metals

Primary and Secondary Drinking Water Standards which are not included in the above items

Water Level

Temperature

Conductivity

Ammonium

Color

- b) Quarterly Groundwater Monitoring Parameters:

EPA Method 601/602 parameters

Primary and Secondary Drinking Water Standards which are not included in the above item

Water Level

Temperature

Conductivity

Ammonium

Color

This list of parameters could be modified depending on the results of the initial round of sampling and analysis for this permit application. After four quarters of sampling and analysis, the permittee may apply to modify the sampling parameters.

Please have the applicant respond to the items above. If you have any questions, please call.

MEY



**Springstead
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

SOUTHWEST DISTRICT TAMPA

727 South 14th Street
Leesburg, Florida 34748

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

October 29, 1992

D.E.R.

Mr. Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management
Department of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO.: S060-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
S060-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT

Dear Mr. Ford:

Please find enclosed six (6) copies of the response to your questions concerning the referenced project as required in your faxes dated October 20, 1992 & October 22, 1992.

As discussed in our meetings with you, all of the questions have been reviewed and answers have been provided.

Sumter County wishes to conclude the application for permit as soon as possible and receive the permits from your office.

Thank you for your continued cooperation. We look forward to receiving the permits for the Sumter County Solid Waste Facility from your office.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.

John W. Springstead
John W. Springstead, P.E.

JWS/jal

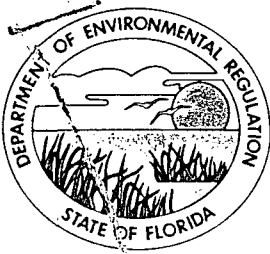
cc: Mr. Garry Breeden

(COVER.LTR)

D.E.R.

OCT 30 1992

SOUTHWEST DISTRICT
TAMPA



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

October 28, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Landfill
Financial Responsibility
Pending Permit No.: SF60-211255

Dear Mr. Springstead:

Your October 5, 1992 cost estimates for long-term care of the closed Sumter County Landfill have been approved and by way of this letter have been forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents. If you have questions, you may call him at (904) 922-6104.

Sincerely,

Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachments

cc: Garry Breeden, SCPW
Fred Wick, FDER Tallahassee
Bob Butera, P.E., FDER Tampa

D.E.R.

OCT - 5 1992

SOUTHWEST DISTRICT
TAMPA

October 2, 1992

Mr. Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

RE: SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO.:

SO60-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT

92-1100.00

Dear Mr. Ford:

We are in receipt of your letter dated August 26, 1992 in regards to the above referenced project. Please review the following responses:

1. Provide documentation of Sumter County's possession of an approved Comprehensive Quality Assurance Plan (CQAP) for the sampling and analysis as required for the referenced facility. Documentation must show that the QA plan approved also includes compost testing. You are requested to work directly with Ms. Sylvia Labie of the QA Section in Tallahassee to obtain approval of the quality assurance plan. Pending approval, current status is not adequate.
1. We have been in contact with Ms. Sylvia Labie, Florida Department of Environmental Regulation (FDER) Quality Assurance Officer and Mr. Andrew Tintle, the person responsible for the review of Springstead Engineering, Inc.'s CompQAP and the Compost QAPP. Mr. Tintle informed us of a backlog of CompQAP's to be reviewed. In the interim, prior to SEI's CompQAP approval, Envirolab Testing Laboratory (CompQAP No. 86-1098G) will perform the sampling and testing at the Sumter County Landfill.
2. Provide updated financial responsibility cost estimates for long-term care of the closed landfill. The attached Financial Responsibility checklist is to be used for the cost estimates.

October 2, 1992

SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO.:

S060-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT

92-1100.00

Cost estimates shall be reviewed by the District and upon approval will be forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents.

2. The County Commission approved an escrow account in the amount of \$12,754.50 in the County Commission meeting on September 27, 1992. The final amount is subject to approval by Mr. Kim Ford and Mr. Fred Wick. The financial responsibility checklist and escrow agreement are included in Appendix A.
3. Provide your response to Mary Yeargan's August 26, 1992 attached memorandum. Ms Yeargan may be contacted at (813) 620-6100, extension 376.
 - 3.1. In our previous review, it was stated that the application should include a Groundwater Monitoring Plan that meets the requirements of Section 17-28.700, Florida Administrative Code, (F.A.C.). The Groundwater Monitoring Plan (GWMP) should be a complete document that can stand alone. Although geological information and analytical data for the last permitted period was summarized for this submittal there was no evaluation to determine whether the existing Groundwater Monitoring Plan is sufficient for this facility. A map that illustrates all three closed Class I landfill cells, the extend of the zone of discharge and the location of the monitor wells relative to the zone of discharge should be provided and the implication of the seasonally fluctuating groundwater flow direction should be evaluated. Until this evaluation is submitted to the Department, a complete review cannot be provided.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
FINANCIAL RESPONSIBILITY CHECKLIST

ID No. 4060C00092

GENERAL INFORMATION: Sumter County Volume Reduction Permit No.: SF60-146475 Expiration Date: 6-1-92
 City Name: Sumter County Volume Reduction Facility Lat/Long: 28°-44'-30"N Fill Acres: 14.5
 Address (Main Entrance): CR 470, 3/4 mile east of I-75
 Address (Mailing): _____
 Operating Authority: Sumter Co. Bd of County Commissioners
 OF LANDFILL:

Class I _____ Closure Plan Approved: X Yes
 Class II _____ No
 Class III: Trash/Yard Trash _____
 exempt; Type of Exemption: _____
 Signing Person (Include Title): _____ Date: _____

GENERAL SOLID WASTE LANDFILL:

Type of Financial Document Submitted to Ensure Financial Responsibility:
 Trust Fund Agreement _____ Performance Bond (only for landfills with an approved closure plan)
 Letter of Credit _____ Financial Guarantee Bond
 Insurance Certificate _____ Escrow Account
 Standby Trust Fund Agreement _____ Other (Explain): _____

General Solid Waste Landfill Estimated Itemized Closure Cost for the Time Period in the Landfill Operation
 When the Extent and Manner of its Operation Makes Closing Most Expensive

General Solid Waste Landfill Estimated Itemized Annual Cost of Long Term Care.

ITEM	UNIT COST	TOTAL ANNUAL COST	SOURCE OF ESTIMATE (Third Party Work)
GROUNDWATER MONITORING Quality Sampling	_____	\$ 6180.00	(SEI) Springstead Engineer
GAS MONITORING	_____	800.00	SEI
MAINTENANCE OF LEACHATE COLLECTION SYSTEM AND GROUNDWATER MONITORING WELLS	_____	2000.00	SEI
COLLECTION AND DISPOSAL/ TREATMENT OF LEACHATE	_____	0.00	SEI
BENCHMARK MAINTENANCE	_____	260.00	SEI
LANDSCAPE MAINTENANCE Mowing Fertilizing Sprinkling	_____	1305.00	SEI
MAINTENANCE OF COVER INTEGRITY AND SURFACE WATER CONTROLS	_____	1050.00	SEI
REMEDIAL ACTION	_____	1159.50	SEI
TOTAL ANNUAL COST OF LONG TERM CARE	_____	12754.50	

OK/Car

DRAFT

REGULAR MEETING

BOARD OF COUNTY COMMISSIONERS

SEPTEMBER 29, 1992

The Board of County Commissioners convened in regular session on this Tuesday, September 29, 1992, at Bushnell, Sumter County, Florida, with the following Members present to wit: Jim Allen, District No. 2, Fran Palomeque, District No. 3, Tom Dixon, Chairman, District No. 1, John L. Stephens, Vice Chairman, District No. 4, Stanton Gideons, Jr., District No. 5. Bernard R. Shelnett, Jr., Clerk & Auditor, Bernard Dew, County Administrator, Jan Kirkpatrick, Deputy Clerk, and Randall N. Thornton, Attorney for the Board, were also present and acting in their respective official capacities.

The meeting was called to order at 9:00 a.m. by Chairman Dixon with the devotional given by Mr. Dixon. All persons present gave the flag salute.

HOUSING

Mr. Gideons moved to approve the following Section 8 Housing matters as presented by Mary Jackson. The motion was seconded by Mr. Allen and carried. (INSERT).

GRANT - PUBLIC HEALTH

Mr. Stephens moved to authorize the Chairman to execute a mosquito control/waste tire abatement grant application. The motion was seconded by Mr. Allen and carried.

LANDFILL - BUDGET

Mr. Gideons moved to authorize an escrow account to be maintained for the sole purpose of long-term care of the Sumter County Landfill according to Rule 17-701.076 F.A.C., as required by the Department of Environmental Regulation. The motion was seconded by Mr. Stephens and carried.

BUDGET - LANDFILL

Mr. Gideons moved to approve an advance from Transportation Trust Fund to pay the August landfill billing. The motion was seconded by Mr. Allen and carried.

DEPARTMENT OF ENVIRONMENTAL REGULATION
LONG TERM CARE ESCROW AGREEMENT
SUMTER COUNTY LANDFILL

The Clerk of the Circuit Court of Sumter County - Finance Department has established an interest-bearing escrow account with the State Board of Administration, Agency Number _____. The beneficiaries of this account are (1) Sumter County Board of County Commissioners and (2) Secretary, Florida Department of Environmental Regulation. The trustee of this account shall be the Sumter County Clerk of the Circuit Court.

This account is an accumulative escrow account maintained for the sole purpose of long-term care of the Sumter County Landfill according to Rule 17-701.076 F.A.C. (1989). The total amount of money kept on deposit shall be determined by a Registered Professional Engineer with the State of Florida, and approved by the Department of Environmental Regulation.

Funds in this account will not be used for any other purpose other than landfill closure and long-term care, and disbursements from this escrow account shall be under the approval of the Finance Director - Clerk of the Circuit Court.

I have read this statement and fully understand its content.

Clerk of the Circuit Court

Date: Sept. 24, 1992

Finance Director

Date: Sept 29, 1992

Director of Public Works

Date: Sept 29, 1992

SPRINGSTEAD ENGINEERING, INC.

227 S. 13th Street
Gothburg, Florida 32542

TELECOPY TRANSMITTAL SHEET

DATE: 10/20/92

JOB NO: 92110

TO: KIM FORD

COMPANY: UER

PHONE NUMBER: 813 744-6100

TELECOPY NUMBER:

FROM: MIKE SPRINGSTEAD

COMPANY: Springstead Engineering, Inc.

PHONE NUMBER: (904) 787-1414

TELECOPY NUMBER: (904) 787-7221

NUMBER OF PAGES: 4 (Excluding This Cover Page)

ADDITIONAL COMMENTS:

KIM, THESE ARE NOTES FROM ECI 6636
SURFACE HYDROLOGY, DR. WAYNE C. HUBER
FALL-1988 UNIVERSITY OF FLORIDA,
IF YOU HAVE ANY QUESTIONS FEEL FREE
TO CALL.

IN CASE OF ANY QUESTIONS, PLEASE CALL MIKE SPRINGSTEAD AT (904) 787-1414.

Agricultural Consumptive Use Explained

Agricultural water consumption. Doesn't sound too complicated, does it? You have a field of crops -- vegetables, citrus, soybeans, whatever -- and if there isn't enough rainfall, you water it. The plants "drink" what they need and ignore the rest -- right?

Yes, that's right, and it's an important bit of information to a hydrologist, if not to the plants. It is the total amount of water used in agriculture that is of particular interest to the hydrologist who must have a good idea of the total withdrawals occurring throughout the District.

On January 1, 1975 the District began implementing a number of Rules and Regulations pertaining to water use within its boundaries as directed by the Water Resources Act of 1972. One of the more significant requirements of the Act was the establishment of a permitting system for presumptive uses of water. And in establishing that system, one of the biggest problems was calculating the consumption of water for agricultural purposes. That problem was described in a staff report by Harry F. Oleson and John R. Wehle, Hydrogeologists in the District Planning Section.

Consumptive use is defined as "that portion of water that does not flow back to the water table or the aquifer in the vicinity of the well from which it was withdrawn," according to Wehle. It is either lost to the atmosphere by evaporation or by transpiration through plants, or lost to the Gulf as discharge from springs, streams, water treatment facilities, etc.

When determining consumptive use by agriculture, the definition itself presents the first problem. In everyday agricultural terms, the amount of water consumed during irrigation is the part which is applied but not used by the plants. That is, it's the "surplus" water that sinks through the soil beyond the root zone.

To the hydrologist, however, and by the District's definition, agricultural consumptive use is the portion of the applied water which runs off the property or is lost to the atmosphere through evapotranspiration (ET). In other words, the evapotranspiration is a combination of the water that is evaporated from the field and is transpired by the crop. (The plant takes in water through its roots, uses it in its system and

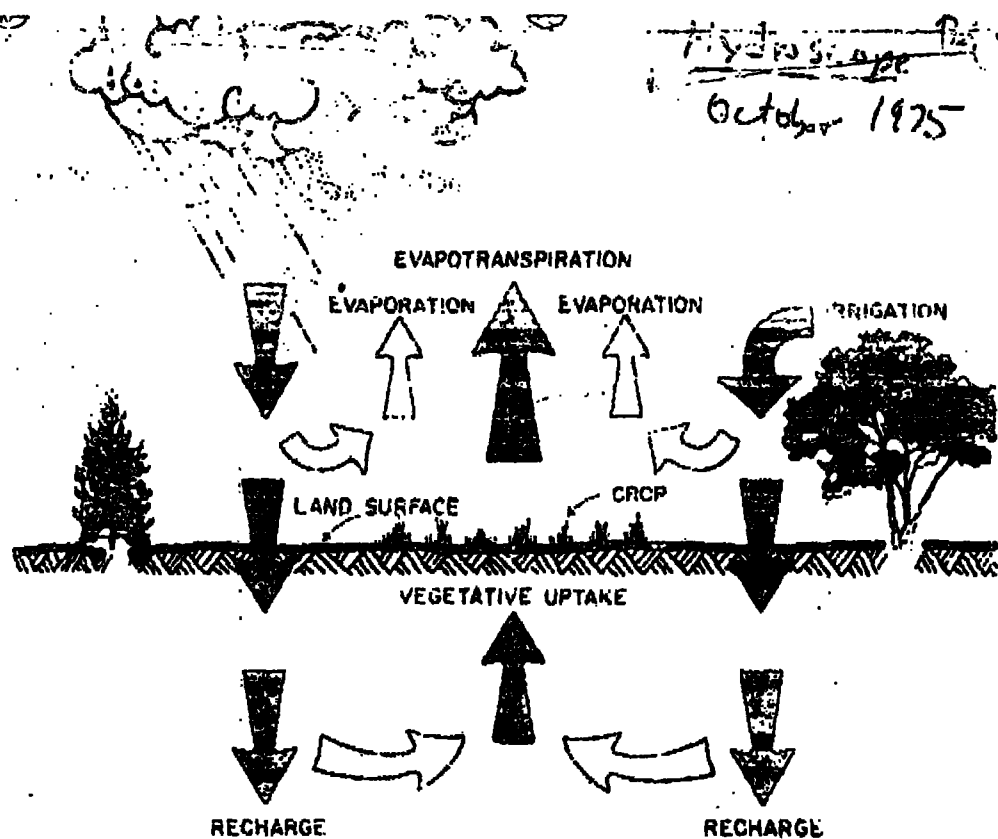


FIGURE 1

A conceptual view of the Hydrologic Cycle as it relates to agricultural practices, assuming no surface runoff.

converts it to vapor and then passes that vapor into the atmosphere from the leaf tissue.)

"The difference between the two consumptive use definitions is significant," Wehle explains. "In the first case, the water not used by the plant is eventually returned to the water table or the aquifer and assuming that the well from which it came is in the same locale, is therefore not consumptively used by the District's definitions.

In the second case, however, the water use is definitely consumptive, as it is eventually lost to the atmosphere rather than returned to the aquifer in the same area.

With the semantics problem resolved, an even more complex problem appears. How to determine just what the consumptive use of agriculture is when the variables -- type of crop, method, time and amount of irrigation -- are so many?

First one must understand the hydrologic process itself as it applies to agricultural practices. Assuming there is no surface runoff of irrigation water (tailwater) from a particular cultivated field, there are only three paths for applied water to take: (1) input (precipitation or irrigation); (2) consumption (the sum of evaporation and transpiration); and (3) recharge.

Of these three, the most difficult to

calculate, even though it has the most components, (1) the evaporative loss (or the method of irrigation) and (2) the evapotranspiration of the crop. The ET calculation then must be broken down into components and summed. It would read:

$$CUT = (Q_p \times K_a) + (Q_i \times K_a)$$

or, in words:

Total Consumptive Use (CU) =
(Amount of water pumped, applied and
multiplied by the irrigation loss factor)
+
(Consumptive Use of the crop in gpd times
the area of the crop)

Even after the mathematical formula has been evolved, there were still two important variables to be considered. "To find a reliable estimate of K_a , the amount of water lost by the method of irrigation, we went to the University of Florida Agricultural Engineering Department," Oleson explained. "With their help, we came up with the information on Table 1. It shows that with each of the four most common methods of irrigation a certain portion of applied water will be lost to evaporation."

The other variable needed to make the equation functional was C_u , the consumptive use specific to the kind of crop being grown expressed in gallons per acre

14 acre... said Oleson, "and with their raw data... derived Table II."

With the variable for irrigation, loss and specific crop consumptive use fairly well defined, consumptive use permitting, the agriculture becomes much like other types consumptive use permitting with one or change.

The basis for the crop-specific-use permitting system (CUPS) is the principle of "water crop." Simply put, it is the annual rainfall minus evapotranspiration. CUPS sets the annual evapotranspiration of the natural vegetation as a percentage out of the yearly average rainfall of 52.7 inches, leaving a "water crop" of 13.1 inches for man's annual use.

From an agricultural viewpoint the natural evapotranspiration must be modified because the "Natural vegetation" has been cleared and replaced by the crop. Therefore, the 39 inch natural Et is replaced by a higher crop specific Et from Table II. The additional amount required is called the crop-specific consumptive use or CU. This is a manipulation of the Et figure so that the agriculturalist is not "harmed" twice for the same field. Consequently, this is where the figures in Table II come into use.

Once the values for the "natural" evapotranspiration and the crop-specific Et are known, the procedure to determine the consumptive-use of agriculture is easy.

(LOSS TO EVAPORATION) VALUES OF K_a IRRIGATION METHODS FOR THE FOUR MAJOR

METHOD BEST AVAILABLE COPY

K_a

Daytime Sprinkle Irrigation	0.25
Night-time Sprinkle Irrigation	0.10
Ditch (Flood) Irrigation	0.05
Covered Pond Irrigation	

*This value is the closest approximation available to date and does not mean to indicate that there is no loss by evaporation.

Using Table II, first list the crop-specific Et by months, then fill in the months during which the crop is not grown with the natural Et. Then sum the values to obtain an annual total. From that total, subtract the natural Et allowance (39 inches). Finally, convert the remainder into gallons per day per acre. "Easy?" you may well question.

"Sure," affirm Oleson and Wehle, "although not necessarily 'uncomplicated.' It's like this:

"The District receives a CUPS application that tells us the applicant owns, leases

or otherwise controls 240 acres of contiguous property. Of that 240 acres, 40 is fallow and 200 are an orange grove irrigated by daylight sprinkling.

"Based directly on the water-crop theory the District would limit the amount of water the applicant could consumptively use to 240,000 gpd (number of acres times 1000 gpd/acre -- the average water crop per acre).

"The applicant's request in this case, however, is for 300,000 gpd -- a request which is beyond the water crop for the land he owns or controls. *Continued on Next Page.*

TABLE II

MONTHLY ET ESTIMATES IN SFWMD

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual	CU	Acres
CU	(1.96)	(2.27)	.9	3.1	7.0	8.7	8.0	(4.36)	(3.96)	(3.68)	(2.48)	(2.02)	43.43	9.43	790
Soybeans	(1.96)	(2.27)	(2.75)	(3.27)	1.8	3.5	6.9	8.3	4.8	(3.68)	(2.48)	(2.02)	43.73	4.73	360
Peaches	(1.96)	2.2	3.1	5.1	6.2	(4.10)	(4.24)	(4.36)	(3.96)	(3.68)	(2.48)	(2.02)	43.40	4.40	330
Peanuts	(1.96)	(2.27)	(2.75)	1.2	3.7	7.2	5.9	4.0	(3.96)	(3.68)	(2.48)	(2.02)	41.12	2.12	160
Vegetables	(1.96)	(2.27)	.5	3.4	5.8	5.4	(4.24)	(4.36)	(3.96)	(3.68)	(2.48)	(2.02)	40.57	1.07	80
Vegetables	1.8	3.0	3.8	3.7	(3.91)	(4.10)	(4.24)	(4.36)	3.0	4.6	3.7	2.4	42.61	3.61	270
Vegetables	1.2	2.6	5.4	7.0	(3.91)	(4.10)	(4.24)	(4.36)	(3.96)	(3.68)	(2.48)	(2.02)	44.95	5.95	450
Vegetables	(1.96)	(2.27)	.7	3.6	6.5	4.2	(4.24)	(4.36)	(3.96)	(3.68)	(2.48)	(2.02)	39.97	0.97	80
Vegetables	2.3	2.5	3.3	4.1	5.2	5.8	6.1	5.9	4.8	4.2	3.0	2.4	49.6	10.6	790

NOTE: All values in inches except the last column (CU) which is in gallons per day per acre (GPD/A). All values in () are the "natural" ET values, the other values are crop specific values.

By calculating with the consumptive formula, Table III, however, shows that in this case the actual consumption is only 233,000 gpd, which is actually less than the water available, therefore permissible.

Consumptive Use Rules and Regulations were adopted by the Governing Board to assure that the District's available water resources are not wasted, but are used in a manner that is reasonable and beneficial to the community.

With the exception of persons in the Osceola and Waccasassa basins, the regulations require that anyone in the District who withdraws more than one million gallons of water per day (gpd), or whose withdrawals average more than 1000 gpd on an annual basis, or whose facilities have a capacity of more than one million gpd, or whose well has an inside diameter of 6 inches or more, must have a permit.

Applications may be obtained from the District's Florida Water Management District Permit Section, Post Office Box 457, Brooksville, Florida 33512, and should be made as soon as possible. The District is existing consumptive users to submit applications immediately in order to avoid a last minute pile up prior to the November 31, 1976 deadline. All new consumptive users are required to obtain a permit before withdrawal can begin. The Permit Section of the District is standing by to assist you in filing it out.

Table III
Example of
Consumptive-Use Calculations

$$\begin{aligned} Q &= (Q_p \times K_a) + (CUC \times A) \\ &= (300,000 \text{ gpd} \times 0.25) + \\ &\quad (790 \text{ gpd/A} \times 200A) \\ &= 75,000 + 158,000 \\ Q &= 233,000 \text{ gpd} \end{aligned}$$

Early but steadily Lake Tarpon is becoming a fresh water lake according to a recent SFWMD staff report entitled "Evaluation of the Chloride Status of Lake Tarpon, Pinellas County."

The report by former staff member Patricia Duenis, states that signs of the lake's improving condition include a lowering of the average chloride count at eight sampling stations and an even distribution of chlorides throughout the lake indicating good mixing and circulation of its waters.

The evaluation was performed because Lake Tarpon's chloride concentration seemed to vary inversely with its level and because there needed to be a determination as to where the remaining chlorides are coming from.

To perform the evaluation, two water samples were taken from the water surface and the other from a point near the bottom) were collected monthly from each of seven stations on the lake. At an eighth station only a surface water sample was collected. Sediment samples were also obtained at various times using a brass gravity coring device and by a PVC pipe. The data obtained from analysis of these samples provided the working information for the evaluation.

The report concludes that chlorides are fairly evenly distributed in Lake Tarpon, ranging from 650 milligrams per liter (mg/l) at the sink to 10 mg/l where Brooker Creek flows into the lake, with an average of 300 mg/l throughout. A seasonal pattern exists, however, in which chloride concentrations decrease in the rainy season and begin to increase slightly again in November.

The pattern of seasonal flux was observed in Lake Tarpon even before the sink enclosure was completed in 1969. The enclosure, however, has eliminated the very high peaks in chloride concentrations. The 5 1/2 year period from January 1970 to April 1975 is the longest time during which chloride concentrations have remained below 1000 mg/l. No concentration higher than 630 mg/l has been recorded since January 1970.

The chlorides actually enter the lake from several sources, though the lake bottom appears to be a major contributor. Until the

enclosure was completed in 1969, there was a direct flow between the Gulf of Mexico and the lake. This connection allowed chlorides to enter the lake and become contained by bottom sediments. These accumulated chlorides can gradually leach out into the lake waters, adding to the chloride concentration. The yearly influx of fresh water from Brooker Creek and from rainfall helps to flush the chlorides from the sediments.

Chlorides can also enter the lake through the upward movement of salty groundwater which can occur when the lake level falls below the potentiometric surface. Occasional leakage from the sinkhole may also be a factor as may runoff from surrounding surfaces covered with windblown salts. Another possibility, which will be investigated in Phase II of this project, is that rain might wash salts into the lake from the air.

Despite the several potential sources of chloride contamination for Lake Tarpon, the report concludes that the lake will gradually continue to freshen, unless the fresh water inflow from Brooker Creek decreases, or salt-water contamination occurs due to a dike failure or to tidal overtopping of the structure on the Lake Tarpon Outfall Canal.

—HYDROSCOPE—

This document is produced monthly at an annual printing and postage cost of \$3,597.00 to provide public officials and private citizens a current source of information about the Southwest Florida Water Management District and its programs.

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**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

October 16, 1992

Mr. Kim Ford, P.E.
Department of Environmental Regulation
3804 Coconut Palm Drive
Tampa, Florida 33619

D.E.R.

OCT 19 1992

SOUTHWEST DISTRICT
TAMPA

**RE: SUMTER COUNTY VOLUME REDUCTION
CLASS I LANDFILL
921100.00**

Dear Mr. Ford:

Reference is made to your latest inspection to the subject site and your request to remove the fluff material encroaching along the periphery of the cell. It was requested that we remove same.

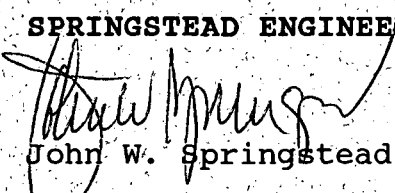
The work has been in the process for several weeks and it is completed.

Attached are pictures for your use.

Thank you for your continued cooperation.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.

JWS/jal

cc: Garry Breeden
Tommy Hurst
Ric Gray

(Ford.016)





**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

October 2, 1992

Mr. Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

D. E. R.

OCT - 5 1992

SOUTHWEST DISTRICT
TAMPA

RE: SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO.: S060-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
SO60-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT

Dear Mr. Ford:

Please find enclosed six (6) copies of the response to your questions concerning the referenced project as required in your letter of August 26, 1992.

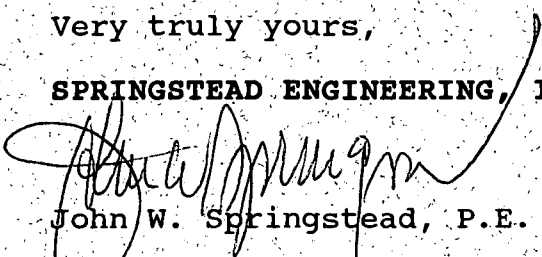
As discussed in our meetings with you, all of the questions have been reviewed and answers have been provided.

Sumter County wishes to conclude the application for permit as soon as possible and receive the permits from your office.

Thank you for your continued cooperation. We look forward to receiving the permits for the Sumter County Solid Waste Facility from your office.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.

JWS/jal

cc: Mr. Garry Breeden

(COVER.LTR)

KIM file

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

To be filed: _____
cc to: _____

MEETING DOCUMENTATION

Attendees: (Attach list)

Location: DER (Air conf) Date: 9/21/92 Time: 2pm

Subject: ☒ Permitting ☐ Enforcement Other _____

Meeting requested by: Springstead Eng

Meeting Objectives: Review comments on groundwater monitoring plan (GWMP)

Notes:

County purchased 40 acres south of LF — looking to do additional SW/landfill activities here, including composting. We stated that the GWMP had to be evaluated on current status, not future

Comments

1+2) discussed water levels / contour maps and the need to evaluate GW flow directions + that down-gradient (SE) wells are needed during seasonal change. discussed seasonal fluctuations. They were concerned that MW-7 was anomaly. we did not necessarily agree.

3+4) They think MW-3 should be labeled as MW-6. Since MW-6 is located in LF cell but no garbage was noted on drilling log. Will do auger boring around MW-3 to (over) confirm that LF does not extend that far north.

Will abandon MW-3 since it has always been dry. Want this as permit condition.

5+6) They are constructing cross-sections. will

Agreements/Conclusions Reached:

include high & low water tables for last year or
averaged over entire permit period. ~~Either~~ Either acceptable.

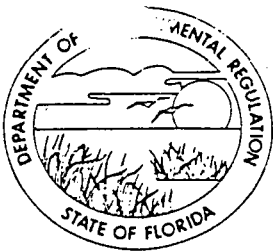
- 7) Proposing to remove fluff from existing Class I cell
then use cell to store leachate / stormwater
for site (reaction to 100 yr - 24 hour storm)
will recycle this leachate using sprayheads over
windrows (one at a time).

Follow-up Actions/Dates:

They were concerned that we wanted leachate
piping above ground due to potential for leakage.
we said this was not our concern.

They will provide written response.

Prepared by: Mary E. Gargan
(sign)



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Lawton Chiles, Governor

Carol Browner, Secretary

Richard Garrity, Deputy Assistant Secretary

John W. Springstead, P.E., P.L.S.

President



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

DATE:

9-21-92

TIME:

2:00pm

SUBJECT:

Sumter County Solid Waste Facility

A T T E N D E E S

Name	Affiliation	Telephone
Diane Tremmer	DER	813/744-6100 ext. 381
Mary Yargan	DER	813/744-6100 x376
DAVID SPRINGSTEAD	SPRINGSTEAD ENGINEERING	904-787-1414
JOHN SPRINGSTEAD	SEI	"
JAMES A. DUNAWAY	SEI	"

David W. Springstead

Project Engineer



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James A. Dunaway, P.G.

Engineering Geologist



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P.O. Box 588 708
33538

FIRE

Lake Panasoffkee Protection Association



September 17, 1992

D.E.R.

SEP 21 1992

SOUTHWEST DISTRICT
TAMPA

FAX

Mr. Garry Breeden
Director of Public Works
222 E. McCollum Avenue
Bushnell, Fla. 33513

Re: Fire Department Satisfaction with current conditions at the
Sumter County Solid Waste Disposal Facility

Dear Garry:

Based on the May 26, 1992 fire safety survey conducted by Fire Department personnel at the Sumter County Solid Waste Disposal Facility, the Lake Panasoffkee Fire Department is satisfied with the current conditions.

In the future, additional water supply and access would enhance conditions, however, current operating procedures are satisfactory.

Very truly yours,

Robert Klien, Chief

RK/lk

SPRINGSTEAD ENGINEERING, INC.

727 S. 14th Street
Leesburg Florida 34748

TELECOPY TRANSMITTAL SHEET**DATE:** September 15, 1992**JOB NO:** 921100.00**Mr. Kim Ford****Department of Environmental Regulation****NUMBER:** (813) 744-6084**TELECOPY NUMBER:** (813) 744-6100**FROM:** John W. Springstead, P.E.**Springstead Engineering, Inc.****NUMBER:** (904) 787-1414**TELECOPY NUMBER:** (904) 787-7221**NUMBER OF PAGES:** 6 (Excluding This Cover Page)**ADDITIONAL COMMENTS:**

*After please call me after you have had
a chance to look this over
Thanks John*

CASE OF ANY QUESTIONS, PLEASE CALL John Springstead AT (904) 787-1414

D.E.R.
SEP 15 1992
SOUTHWEST DISTRICT
TAMPA

SFR HEAD ENGINEERING
727 SOUTH 14TH ST.
LEEDSBURG, FL. 34748

JOB # 021100
SHEET 1 of 10
DATE 7-92

SUMTER COUNTY SOLID WASTE FACILITY - LEACHATE RECIRCULATION

WATER	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL
NORMAL RAINFALL (in.)	4.51	6.56	6.93	7.67	6.30	2.04	34.01
EVAPORATION (PONDS ONLY) (in.)	-0.32	-0.31	-0.31	-0.29	-0.23	-0.21	-1.67
EVAPORATION (IRRIGATION) (in.)	-4.41	-4.41	-4.41	-4.41	-4.41	-4.41	-26.46
COMPOST ABSORPTION RATE (in.)	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26	-25.56
RAINFALL (100YR 24HR) (in.)	7.8	1.78	1.78	1.78	1.78	1.78	10.68
TOTAL (in.)	-2.70	-0.64	-0.27	0.49	-0.82	-5.06	-9.00

VALUES ARE CALCULATED ASSUMING THE LINED CELL IS BEING USED AS A HOLDING BASIN FOR THE RUNOFF FROM THE WINDROW PADS, THE LEACHATE PONDS, AND THE LINED CELL ITSELF FOR 100 YEAR 24 HOUR STORM.

VALUES ARE BASED ON THE TOTAL AREA OF THE WINDROW PADS, LEACHATE PONDS, AND THE LINED CELL, EXCEPT FOR EVAPORATION FROM THE LEACHATE PONDS, WHICH IS BASED ON THE WATER SURFACE AREA OF THE LEACHATE PONDS AT A DEPTH OF ONE FOOT.

RAINFALL FOR THE 100 YEAR 24 HOUR STORM IS INCLUDED IN THE ADDITIONAL RAINFALL TO THE NORMAL RAINFALL TO THE NINE MONTH PERIOD DURING THE RAINY SEASON.

EXAMPLE CALCULATIONS FOR THE MONTH OF MAY:

1. RAINFALL AMOUNTS WERE TAKEN FROM NOAA DATA AND ADJUSTED BY WEIGHTED AVERAGE FOR THE LOCATION OF THE SUMTER COUNTY LANDFILL.
2. EVAPORATION AMOUNTS WERE TAKEN FROM NOAA DATA AND ADJUSTED BY WEIGHTED AVERAGE FOR THE LOCATION OF THE SUMTER COUNTY LANDFILL. DATA WAS THEN ADJUSTED FOR THE EVAPORATION OF THE LEACHATE PONDS ONLY BY USING THE WATER SURFACE AREA OF THE LEACHATE PONDS AT A DEPTH OF ONE FOOT.

EVAPORATION AMOUNT = NOAA DATA (MAY) * AREA OF PONDS ONLY

AREA OF WINDROW PADS, LEACHATE PONDS
AND LINED CELL. (TOTAL AREA)

EVAP (MAY) = -7.14 in.
POND AREA = 13832 SQ.FT.
TOTAL AREA = 305574 SQ.FT.

EVAPORATION AMOUNT = $\frac{-0.32 \text{ in.}}{\text{Rate} \text{ } \frac{\text{in.}}{\text{Mo}}}$

3. EVAPORATION FROM IRRIGATION IS CALCULATED ASSUMING AN IRRIGATION PUMPING RATE OF 500 GALLONS PER MINUTE, MULTIPLIED BY A IRRIGATION LOSS FACTOR (ILF) OF 0.175. THE IRRIGATION LOSS FACTOR WAS TAKEN FROM SFEWMD, "AGRICULTURAL CONSUMPTIVE USE EXPLAINED," HYDROSCOPE, SFEWMD, BROOKSVILLE, FL. OCTOBER 1975.

IRRIGATION

$$\text{EVAPORATION} = \text{PUMPING RATE} * \text{ILF} * 60 \text{ MIN/HR} * 8 \text{ HR/DAY} \\ * 5 \text{ DAY/WK} * 4 \text{ WK/MO} * 12 \text{ IN/FT}$$

TOTAL AREA * 7.48 GAL/CU.FT

PUMPING RATE = 500 GAL/MIN
ILF = -0.175
TOTAL AREA = 305574 SQ.FT.

IRRIGATION
EVAPORATION = -4.41 in./mo
RATE

3 points
lined cell
4 corners
Areas

4. THE ABSORPTION RATE OF THE COMPOST (ABC) IS A VALUE PROVIDED BY AMERECYCLE FOR THE ACTUAL EXISTING COMPOSITE OF NEW, SEMI-MATURE, AND CURING WINDROWS ON THE PAD DURING THE RAINY SEASON MONTHS OF 1992. THIS VALUE WAS APPLIED TO THE WINDROWS ON THE PROPOSED PAD AREAS.

COMPOST

ABSORP RATE = ABC (EXIST PAD) * AREA PADS * 5 DAY/WK
* 4 WK/MO * 12 IN/FT

TOTAL AREA * 7.48 GAL/CU.FT

ABC EXIST PAD = -10714 GAL/MIN/AC
AREA (PADS) = 3.79 AC.
TOTAL AREA = 305574 SQ.FT.

COMPOST

ABSORP RATE = -4.26 in.
=====

mo.

5. THE VALUE FOR THE RAINFALL AMOUNT OF THE 100 YEAR 24 HOUR RAINFALL EVENT WAS OBTAINED FROM TECHNICAL PAPER # 40, RAINFALL FREQUENCY ATLAS OF THE UNITED STATES, SOIL CONSERVATION SERVICE, U.S. DEPARTMENT OF AGRICULTURE.

100 YR 24 HR RAINFALL = 10.7 in.



Springstead Engineering, Inc.

Consulting Engineers — Planners — Surveyors
 727 South 14th Street
 Leesburg, Florida 34748
 Lake (MIA) 787-1414
 Sumter (904) 793-3639 Fax (904) 587-7221

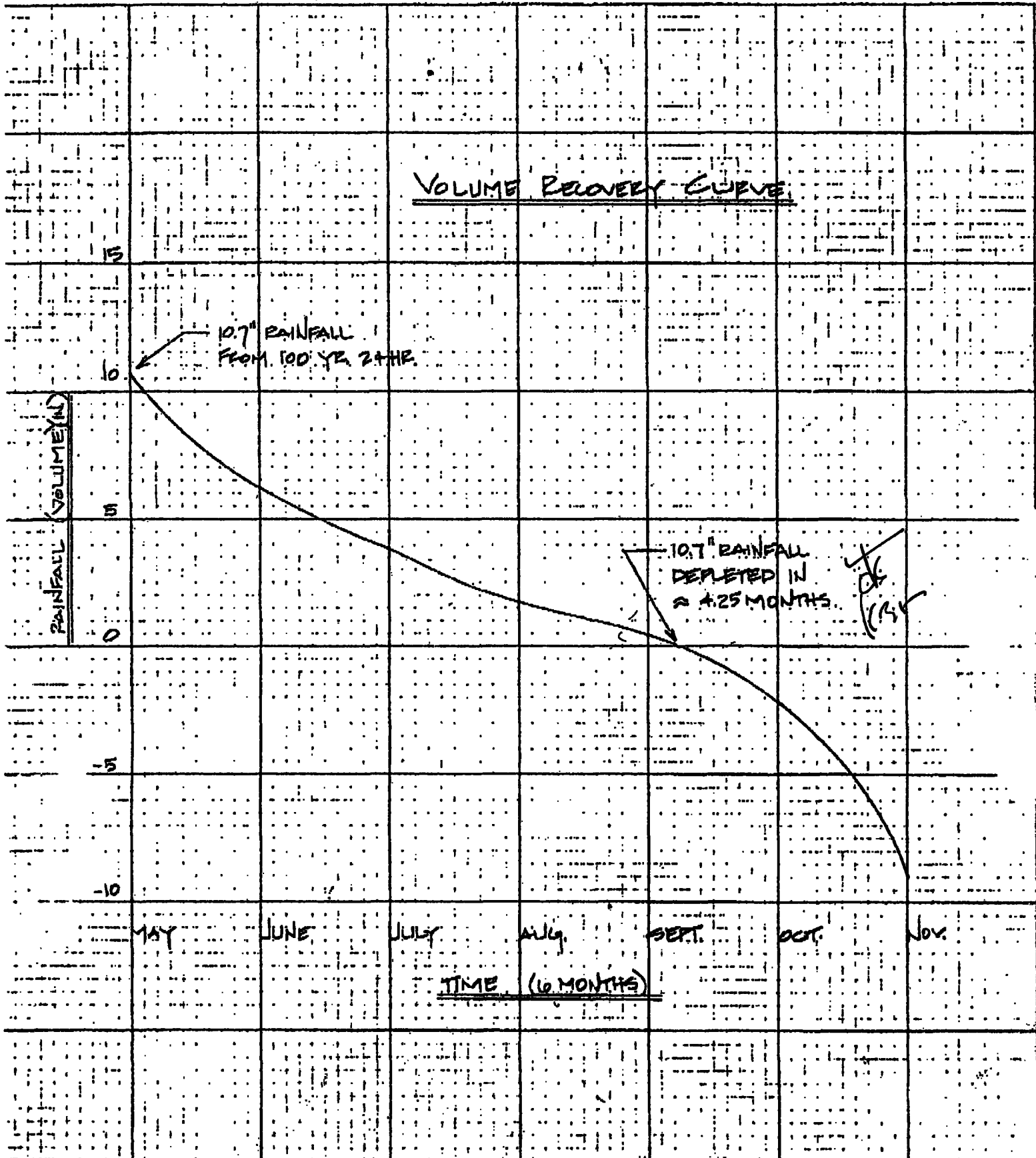
JOB SUMTER CO. SOLID WASTE FACILITY

SHEET NO 4 OF 6

CALCULATED BY MWS DATE 9-92

CHECKED BY _____ DATE _____

SCALE _____





Springstead Engineering, Inc.

Consulting Engineers — Planners — Surveyors
727 South 14th Street
Leesburg, Florida 34748
Lake (904) 787-1414
Sumter (904) 793-7619 Fax (904) 787-7221

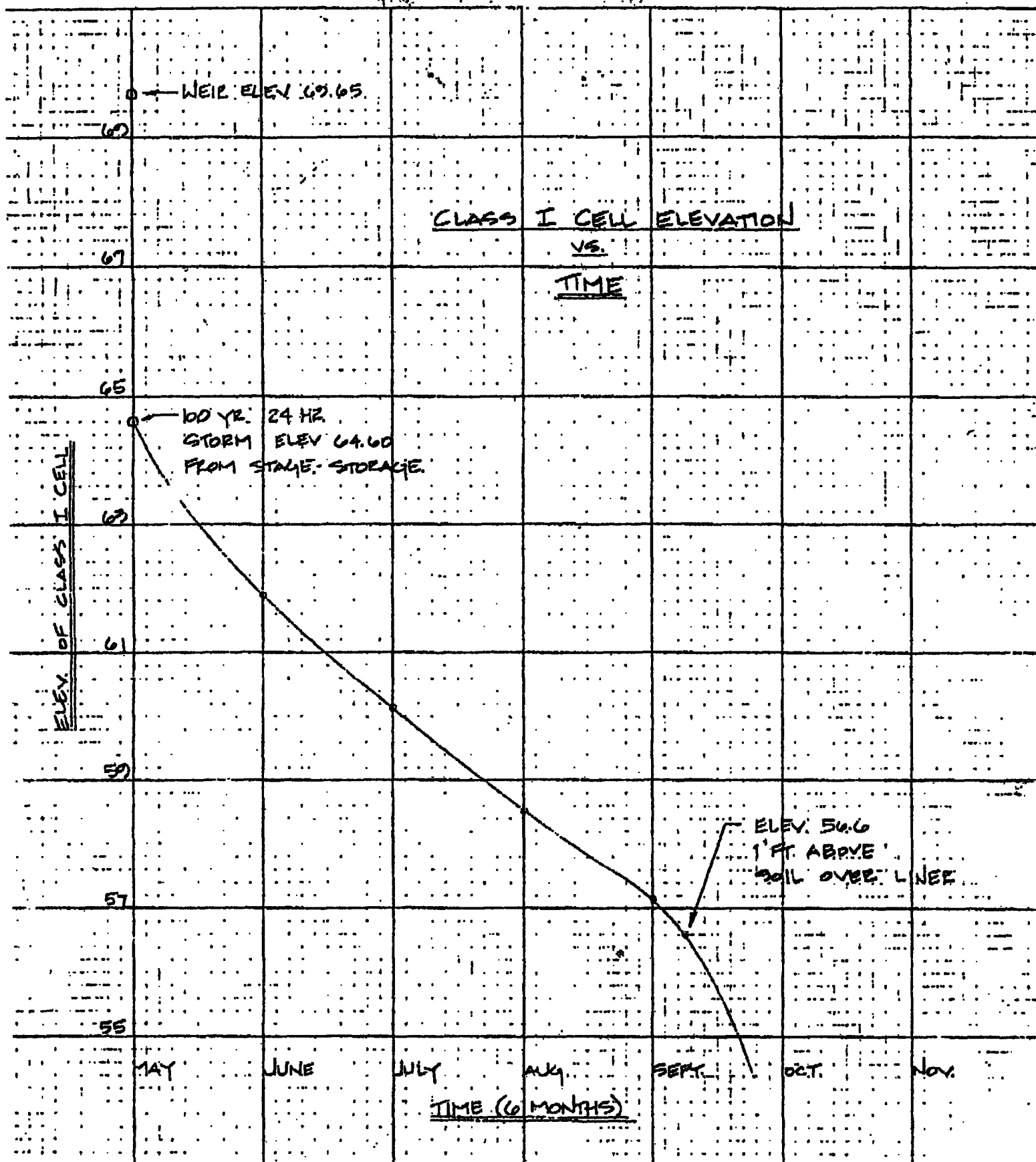
JOB SUMTER CO. SOLID WASTE FACILITY

SHEET NO. 5 OF 6

CALCULATED BY MWS DATE 9-92

CHECKED BY DATE

SCALE





Springstead Engineering, Inc.

Consulting Engineers — Planners — Surveyors

727 South 14th Street

Lensburg, Florida 34748

Lake (904) 787-1414

Sumter (904) 793-3839

Fax (904) 787-7221

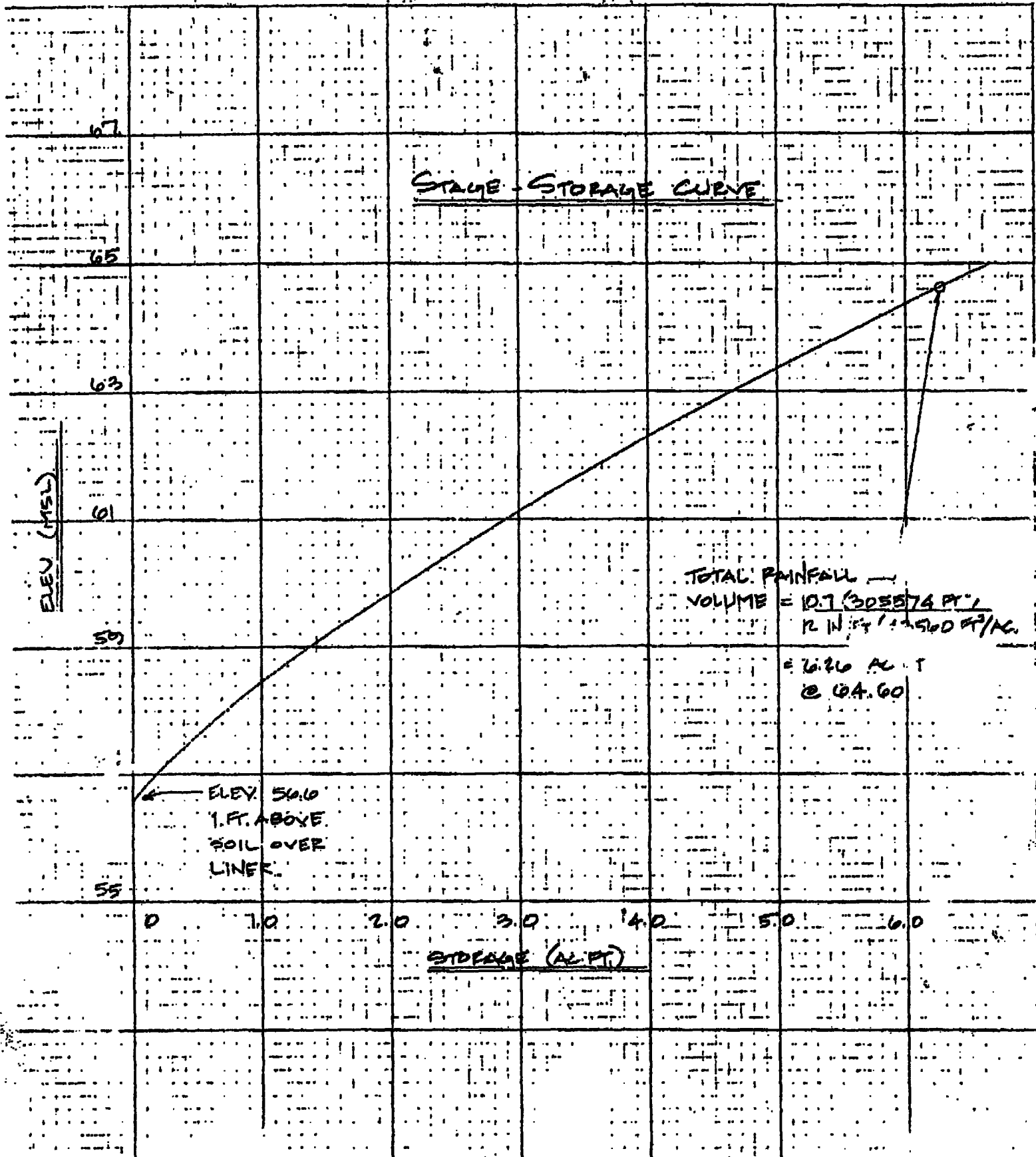
JOB SUMTER CO. SOLID WASTE FACILITY

SHEET NO. 6 OF 6

CALCULATED BY MWS DATE 7-92

CHECKED BY _____ DATE _____

SCALE _____



SPRINGSTEAD ENGINEERING, INC.

727 S. 14th Street
Leesburg, Florida 34748

TELECOPY TRANSMITTAL SHEET

DATE: September 11, 1992

NO: 921100.00

TO: Mr. Kim Ford

COMPANY: Florida Department of Environmental Regulation

PHONE NUMBER: 813-620-6100

TELECOPY NUMBER:

FROM: Ralph W. Warnock

COMPANY: Springstead Engineering, Inc.

PHONE NUMBER: (904) 787-1414

TELECOPY NUMBER: (904) 787-7221

NUMBER OF PAGES: 3 (Excluding This Cover Page)

ADDITIONAL COMMENTS: Please review and if satisfactory, we will proceed to set up escrow account.

Kim - Call me when you can

IN CASE OF ANY QUESTIONS, PLEASE CALL Ralph Warnock AT (904) 787-1414.

*Known Ralph Warnock
3:30 9/11/92
1. ESTIMATE TO DC SIGN & RECAP
2. WAIT FOR #WELLS ON WHICH TO BASE ESTIMATE
IN GW REVIEW. (C) 9/11/92*

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
FINANCIAL RESPONSIBILITY CHECKLIST

GENERAL INFORMATION:

ID No. 4060C00092

Facility Name: Sumter County Volume Reduction Permit No.: SF60-146475 Expiration Date: 6-1-92Address (Main Entrance): CR 470, 3/4 mile east of I-75

Address (Mailing): _____

Committee (Operating Authority): Sumter Co. Bd of County Commissioners Facility Lat/Long: 28°-44'-30"N
82°-05'-20"W Fill Acreage: 14.5

TYPE OF LANDFILL:

☐ Class I
☐ Class II
☐ Class III: Trash/Yard Trash
☐ Exempt; Type of Exemption: _____

Closure Plan Approved:

☒ Yes
☐ No

Reviewing Person (Include Title): _____

Date: _____

1. GENERAL SOLID WASTE LANDFILL:

a. Type of Financial Document Submitted to Ensure Financial Responsibility:

☐ Bond Agreement
☐ Letter of Credit
☐ Insurance Certificate
☐ Standby Trust Fund Agreement☐ Performance Bond (only for landfills with an approved closure plan)
☐ Financial Guarantee Bond
☒ Escrow Account
☐ Other (Explain): _____

2. General Solid Waste Landfill Estimated Itemized Closure Cost for the Time Period in the Landfill Operation When the Extent and Manner of its Operation Makes Closing Most Expensive

3. General Solid Waste Landfill Estimated Itemized Annual Cost of Long Term Care.

ITEM	UNIT COST	TOTAL ANNUAL COST	SOURCE OF ESTIMATE (Third Party Review)
GROUNDWATER MONITORING Quality Sampling		\$ 6180.00	(SEI) Springstead Engineering
GAS MONITORING		800.00	SEI
MAINTENANCE OF LEACHATE COLLECTION SYSTEM AND GROUNDWATER MONITORING WELLS		2000.00	SEI
COLLECTION AND DISPOSAL/ TREATMENT OF LEACHATE		0.00	SEI
WELL MAINTENANCE		160.00	SEI
PIPE MAINTENANCE		1305.00	SEI
Leaking Lining			
REPAIR OF COVER INTEGRITY AND SURFACE EROSION CONTROL		1050.00	SEI
VEGETATION		1159.50	SEI
TOTAL ANNUAL COST OF LONG TERM CARE		12754.50	

SUMTER COUNTY VOLUME REDUCTION FACILITY
SUMMARY OF ANNUAL COST
FOR
LONG TERM CARE

1. Groundwater Monitoring

Collection and Testing

Groundwater is sampled on a quarterly bases= 4 times/year

4 times/year x \$1545.00 each (Collection & Testing) =
\$6,180.00/year

2. Gas Monitoring

1 test each year @ \$800.00/year

3. Maintenance of Groundwater Monitor Wells & Gas Vents

Assume 1 well per year to replace and 2 vents to repair
= \$2,000.00/year

4. Collection and Disposal/Treatment of Leachate

There is no collection, treatment or disposal of leachate
due to the fact that there is no leachate produced at
this facility.

5. Benchmark Maintenance

1/2 day for survey crew/year @ \$520.00/day = \$260.00

6. Landscape Maintenance

Mowing Grass

Grass will be mowed 6 months out of each year.

Mowing will be done every 3 weeks in the 6 month period
or 9 times/year

9 times x \$10.00/ac x 14.5 ac = \$1,305.00

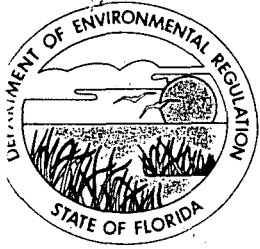
Page 2

7. Maintenance of Cover Integrity and Surface Water Controls

200 cu.yds @ \$5.00/yd ³ =	\$1,000.00
Grassing =	<u>50.00</u>
Total	\$1,050.00

8. Remedial Action

Assumed to be 10% of cost of long term care or \$1,159.50



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

September 4, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter Composting Pad & Pond Construction
Construction Completion Inspection, September 2, 1992
SC60-132071, Sumter County

Dear Mr. Springstead:

As a result of our construction inspection of the subject areas by Ric Gray of Amerecycle, and Kim Ford of FDER, the certification of the Construction Completion of the two new composting pads and ponds is approved. This approval does not allow operation of these new areas until pending permit issues are resolved.

If you have any questions, you may call me at (813) 620-6100, extension 382.

Sincerely,

Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab

cc: Garry Breeden, Sumter County Public Works
Ric Gray, Amerecycle
Gregory Perrine, P.E., Black & Veatch
Kathy Anderson, FDER Tallahassee
Robert Butera, P.E., FDER Tampa
Steve Morgan, FDER Tampa

Should ponding occur on the composting pads for a duration of 72 hours or greater, the permittee will implement measures to re-grade and/or resurface areas on which ponding occurs.

John J. [unclear]
9/2/92

D. E. R.

SEP - 2 1992

SOUTHWEST DISTRICT
TAMPA

CONVERSATION RECORD

Date 9/2/92

Subject SUMTER COMPOSTING

Time 12 noon

Permit No. _____

County _____

MR J SPRINGSTEAD

Telephone No. _____

Representing SPRINGSTEAD ENCL

[] Phoned Me [] Was Called ☒ Scheduled Meeting [] Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

GARY BRESEN, STEVE HOWARD, RIC GRAY, LARRY DEET, TOMMY THIST, KIM FORD

Summary of Conversation/Meeting _____

DISCUSSED POSSIBLE FUTURE PONDING

J SPRINGSTEAD SAID WILL RESURFACE IF PONDING

OCCURS LONGER THAN 72 HOURS. LETTER IS IN FILE.

FLUFF OUTFLOWING STORAGE CELL

RIC GRAY SAID IT WILL BE REMOVED IMMEDIATELY

{ PHOTOS TAKEN

ALSO CLOSED LF AREA REGRADED RECENTLY {

PHOTOS WILL BE TAKEN WHEN VEGETATED.

J SPRINGSTEAD DISCUSSED TREATMENT PLANT DESIGN

AND WILL REEVALUATE RECIRCULATION TO ELIMINATE

THE NEED FOR THE PLANT. LETTER WILL BE SENT TO ADEL

I DISCUSSED THE OBJECTIVES OF KEEPING DEPTH OVER

CELL LINES TO 1' OR LESS BUT ALLOWING MORE FOLLOWING

A 100 YEAR STORM FOR A PERIOD NOT TO

EXCEED 6 MONTHS MAYBE.

(continue on another sheet, if necessary)

Signature Kim Ford

Title _____

SUMTER

8/18/92
EJR

1. QA plan approval
By TALLAHASSEE, NOT THE DISTRICT
Approval pending
Expires AUGUST 7, 1992
QA plan must cover
COMPOST TESTING
2. FINANCIAL COST ESTIMATES
TO BE APPROVED BY DISTRICT
NOT TALLAHASSEE
DOCUMENTS APPROVED BY TALLAHASSEE
3. FIRE SAFETY SURVEY
TO SHOW THAT THE LOCAL
FIRE AUTHORITIES ARE SATISFIED
4. WATER BALANCE
HOW MUCH LEACHATE IS
RECIRCULATED TO MAINTAIN
CORRECT MOISTURE DEPENDS ON
AGE OF WINDOWS. EXPLAIN BY DATA.
5. LEACHATE TREATMENT DESIGN
MUST BE SUPPORTED BY DATA
ON LEACHATE & EFFLUENT QUALITY.

OTHER

8/18/92
E30

- E Spray Heads must cover windows on pad only AND MUST NO DRIFT OR DRIP OFF PAD.
- E USE BOOT ON PIPE OUT OF LEACHATE POND AND NOT THRU BOTTOM, BUT OUT SIDE.
- E - MUST CORRECT SETTLEMENT AND PONDING OVER CLOSED AREAS
- E NEED NEW GAS MONITORING DATA IN AND AROUND BUILDINGS AND LANDFILL,
Repair Broken GAS VENT

$$\begin{array}{r}
 1.3 \\
 1.2 \\
 1.5 \\
 .4 \\
 1.3 \\
 .3 \\
 \hline
 5.0 \text{ AC}
 \end{array}
 \begin{array}{l}
 \text{RAIN} \\
 \left(\frac{90 \times 120 + 30 \times 70}{2} \right) \times 10 = 64,500 \text{ CF} \\
 24,300 \text{ CF} \\
 12,000 \text{ CF}
 \end{array}$$

$$18'' = 1.5'$$

$$5.0 \text{ AC} \times 1.5' \times 43560 \text{ SF} = 326,700 \text{ CF}$$

1 AC

$$\begin{array}{l}
 \text{3 Pond Capacity} \\
 = 210,800 \text{ CF}
 \end{array}$$

Pond Capacity < RAINFALL

CAPACITY OF WINDROWS
6420' windrows

2000' TURNED PER DAY

WINDROWS RECIRCULATION ON DAY TURNED ONLY

CRUST 700' @ 4000 GAL/100' = 28000 GAL/DAY

SEMI-MATURE 700' @ 2000 GAL/100' = 14000 GAL/DAY

CORING 600' @ 0 GAL/100' = 0

7 How much LEACHATE CAN BE RECIRCULATED
to MAINTAIN CORRECT MOISTURE?
SHOW BY DATA.



DAV
ENVIRON
QUALITY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENT
QUALITY ASSURANCE SECTION
LABORATORY COMPLEX, SUITE
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399

TO:

FROM

DATE

SUBJ

The
to y
to t
for
Form

If y
at S

DRA/

Atta

cc:

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1.	SYLVIA LASIE
2.	QUALITY ASSURANCE
3.	TALLAHASSEE
4.	

Remarks:

THIS IS FOR
YOUR REVIEW AND
WAS SENT TO US
BY MISTAKE
Ttx

From:

Kim

Date

8/14/92

Phone

Addressee

From:

From:

From:

To:

ded
d
it
al

me

2

RECEIVED
TALLAHASSEE



DAVID R. ADAMS
ENVIRONMENTAL SPECIALIST
QUALITY ASSURANCE MANAGER
AUDITOR

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
QUALITY ASSURANCE SECTION
LABORATORY COMPLEX, SUITE 416A
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

TELEPHONE:
(904) 488-2796
SUNCOM: 278-2796

ENVIRONMENTAL REGULATION

Memorandum

For Routing To Other Than The Addressee

To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

TO: Kim Bruner Ford, Professional Engineer I
Southwest District, Waste Management

FROM: David Adams, Environmental Specialist II
Quality Assurance Section

DATE: July 27, 1992

SUBJECT: QA Review; Compost QAPP for Sumter Co.; Submitted by
Springstead Engineering (SE);

The subject document received on July 27, 1992 is being forwarded to your office for technical review and then should be returned to the QA Section for QA review. When you are ready to resubmit for SE, please send the QAPP with an accompanying QA Transmittal Form.

If you have any questions concerning this matter, please call me at SC 278-2796.

DRA/dra

Attachment: QAPP

cc: Sylvia S. Labie
Dave Adams

FILED

JUL 30 1992

FOOTNOTES
TAMPA

Kim Ford

Re: Summit County
~~Land~~ Composting
Facility

I have the following comments

① Details are missing on the leachate treatment facility. We need characterization of the influents, design criteria for the treatment plant, filter, ozonation and UV disinfection. What is the expected quality of the leachate after treatment? (BOD_5 , TSS, TN, TP, Chlorides, TDS, Heavy metals, fecal coliform and TOC)

② Treated leachate should not be discharged into the storm water system. They should be reused / or disposed of in precipitation ponds.

Jay Shahani
8/11/92



**Springstead
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

D.E.R.

727 South 14th Street
Leesburg, Florida 34748

July 29, 1992

JUL 29 1992

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

**SOUTHWEST DISTRICT
TAMPA**

Mr. Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

RE: SUMTER COUNTY SOLID WASTE FACILITIES
PERMIT NO.: S060-211179 - SOLID WASTE COMPOSTING
WT60-211205 - WASTE TIRE STORAGE
S060-211182 - M.R.F.
SF60-211255 - LONG-TERM CARE
SC60-211181 - LEACHATE TREATMENT

Dear Mr. Ford:

Please find enclosed six (6) copies of the response to your questions concerning the referenced project as required in your letter of June 25, 1992.

All of the questions have been reviewed and answers have been provided with the exception of Number 2. This question relates to the responsibility and cost estimate for the long term care of the "Closed Landfill". As you are aware, the closed portion of the landfill is integrated with the operating MSW facility. Mr. Garry Breeden, Director of Public Works, is working directly with Mr. Fred Wick, Solid Waste Section in Tallahassee, as per your direction. Mr. Breeden has yet to finalize his clearance through Mr. Wick. When complete, that item will be forwarded to you under separate cover.

In the closure of your letter, you quoted administrative code and statute regarding time element for the issuance or denial of the permit. Sumter County wishes to conclude the application for permit as soon as possible and receive a permit from your office.

Please review the enclosed information and provide a time, in your schedule, for a meeting within a week or ten day period so that we may meet with you and address any further questions regarding our application. It is imperative that we do this to eliminate the possibility of denial or withdrawal, as mentioned in your previous letter.


July 29, 1992
Mr. Kim Ford
921100.00

Page 2

Thank you for your continued cooperation. We look forward to hearing from you to set up a meeting within the above time frame.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.

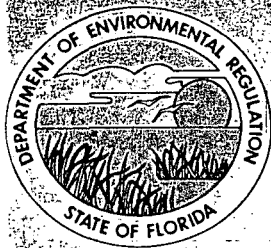


John W. Springstead, P.E.

JWS/jal

cc: Mr. Garry Breeden

(COVER.LTR)



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

June 25, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Solid Waste Facilities

Permit No.:

SO60-211179

WT60-211205

SO60-211182

SF60-211255

SC60-211181

Type of Permit

Solid Waste Composting

Waste Tire Storage

M.R.F.

Long-Term Care

Leachate Treatment

Dear Mr. Springstead:

This letter constitutes notice that permits will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your applications for permit remains incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

The following information is required in support of the solid waste application [Chapters 17-701, Florida Administrative Code (F.A.C.)]:

1. Provide documentation of Sumter County's possession of an approved Comprehensive Quality Assurance Plan (CQAP) for the sampling and analysis as required for the referenced facility. You are requested to work directly with Ms. Sylvia Labie of the QA Section in Tallahassee to obtain approval of the quality assurance plan. Pending approval, current status is not adequate. Additionally, documentation must show that the QA plan approved also covers compost testing. The attached QA Form is to be used for the compost.

2. Updated financial responsibility cost estimates for long-term care of the closed landfill must be provided. The attached Financial Responsibility checklist is to be used for the cost estimates. Approved cost estimates will be forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents.

3. Your response to Mary Yeargan's June 25, 1992 attached memorandum. Ms. Yeargan may be contacted at (813) 620-6100, extension 376.

④ A fire safety survey conducted and documented by the local fire protection authorities for the subject facilities must be provided.

✓ 5. Describe the "temporary contingency" use of the lined cell. This Department requires the location of a permanent disposal site for the residuals (30% of the total solid waste or 20 tons) that are not recycled or composted. This information is required for issuance of an operation permit.

Composting

✓ 6. How long will it take to empty the lined cell of fluff with use of the existing composting areas only and the two newly constructed composting areas? Please provide waste balance calculations to verify the amount of time needed. Your last response indicates there may be serious operational problems that need to be corrected before an operation permit can be issued if three to four years is required to remove the shredded waste from the lined cell. Please demonstrate that all waste entering the facility can be composted with equipment presently constructed. In addition, determine how much waste entering the site will be disposed of elsewhere. Shredded waste will not be allowed to accumulate at the site, except in emergency situations for a specified limited amount of time.

c 2 yrs

Leachate Treatment

*Days
composting*

Describe in detail your plans for effluent discharge. Treated leachate may not be discharged to the percolation pond or surface water management system unless data indicates that the discharge will meet drinking water standards. Construction plans and data are required to approve the construction of the treatment plant.

7 8. Provide water balance calculations to show the volume of leachate that can be evaporated by recirculation. These calculations shall include consideration of:

1. how leachate will be recirculated;
2. detailed plans for layout and operation;
3. capacity of the windrows to absorb leachate;
4. hours of operation;
5. extended period of rainfall and;
6. conditions for no recirculation.

Assuming it rains 18 inches in 60 days. Explain in detail each component of the composting, treatment, and recirculation operation.

9. Leachate in the lined cell shall be no more than 1 foot in depth. Explain how this will be assured at all times and verify the depth of leachate in the lined cell at this time.

Long-Term Care

10. Please provide professional conclusions and recommendations regarding the evaluation of the landfill closure including the extent and effects of a recent gas migration investigation.

"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 17-12.070(5), F.A.C., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department will issue a final order denying your application. You need to respond within 30 days after you receive this letter, responding to as many of the information requests as possible and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 90 days to develop, an application for new construction should be withdrawn and resubmitted when completed information is available. For operating permits, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

If there are points which must be discussed and resolved, please contact me at (813) 620-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachments

cc: Garry Breeden, Sumter County
Fred Wick, DER Tallahassee
Sylvia Labie, DER Tallahassee
Robert Butera, P.E., DER Tampa
Steve Morgan, DER Tampa
Mary Yeargan, DER Tampa

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION
FINANCIAL RESPONSIBILITY CHECKLIST

GENERAL INFORMATION:

ID No. _____

Facility Name: _____ Permit No.: _____ Expiration Date: _____

Address (Main Entrance): _____

Address (Mailing): _____

Permittee (Operating Authority): _____ Facility Lat/Long: _____ Fill Acreage: _____

TYPE OF LANDFILL:

- ☐ Class I
☐ Class II
☐ Class III: Trash/Yard Trash
☐ Exempt; Type of Exemption: _____

Closure Plan Approved:

- ☐ Yes
☐ No

Reviewing Person (Include Title): _____ Date: _____

II GENERAL SOLID WASTE LANDFILL:

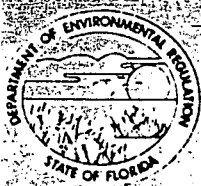
A. Type of Financial Document Submitted to Ensure Financial Responsibility:

- ☐ Trust Fund Agreement
☐ Letter of Credit
☐ Insurance Certificate
☐ Standby Trust Fund Agreement
☐ Performance Bond (only for landfills with an approved closure plan)
☐ Financial Guarantee Bond
☐ Escrow Account
☐ Other (Explain): _____

B. General Solid Waste Landfill Estimated Itemized Closure Cost for the Time Period in the Landfill Operation When the Extent and Manner of its Operation Makes Closing Most Expensive

C. General Solid Waste Landfill Estimated Itemized Annual Cost of Long Term Care.

ITEM	UNIT COST	TOTAL ANNUAL COST	SOURCE OF ESTIMATE (Third Party Work)
1. GROUNDWATER MONITORING Quality Sampling	_____	_____	_____
2. GAS MONITORING	_____	_____	_____
3. MAINTENANCE OF LEACHATE COLLECTION SYSTEM AND GROUNDWATER MONITORING WELLS	_____	_____	_____
4. COLLECTION AND DISPOSAL/ TREATMENT OF LEACHATE	_____	_____	_____
5. BENCHMARK MAINTENANCE	_____	_____	_____
6. LANDSCAPE MAINTENANCE Mowing Fertilizing Sprinkling	_____ _____ _____	_____ _____ _____	_____ _____ _____
7. MAINTENANCE OF COVER INTEGRITY AND SURFACE WATER CONTROLS	_____	_____	_____
8. REMEDIAL ACTION	_____	_____	_____
TOTAL ANNUAL COST OF LONG TERM CARE		_____	_____



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II *RB 6-25-92*

THROUGH: Diane Trommer, P.G. II *DT 6-25-92*

FROM: Mary Yeargan, E.S. III *my 6/25/92*

DATE: June 25, 1992

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. SO60-211179/SC60-211181/SO60-211182/
SF60-211255

.....

The Groundwater Cleanup Section has reviewed the response to request for additional information for the subject solid waste permit applications for Sumter County, dated May 29, 1992, and has the following comments. As previously stated, the application should include a Groundwater Monitoring Plan that meets the requirements of Section 17-28.700, Florida Administrative Code, (F.A.C.) The Groundwater Monitoring Plan (GWMP) should be a complete document that can stand alone. Although geological information and analytical data for the last permitted period was summarized for this submittal there was no evaluation to determine whether the existing Groundwater Monitoring Plan is sufficient for this facility. Until this information is submitted to the Department, a complete review cannot be provided. We do, however, have the following comments:

- 1) A monitor well construction detail was provided which indicates that the wells were constructed with 2 foot screens and no bentonite seal between the screen and the cement seal. According to the Appendix E of the Environmental Compliance Branch Standard Operating Procedure and Quality Assurance Manual for the U. S. Environmental Protection Agency which deals with well construction, a well screen less than 5 feet shall not be employed except for temporary monitor wells. It is also stated that a seal is to be placed on top of the filter pack which consists of a high solids, pure bentonite material. The specific construction details for all monitor wells should be provided.

- 2) It should be noted that monitor well MW-3 was installed through garbage which is in direct contact with a limestone unit.
- 3) The geologic cross-sections for this submittal were incomplete. Typically, geologic cross-sections illustrate the geologic relationships of the various lithologic units. Additionally, cross-section D-D' depicts monitor well MW-5 as being approximately 35' deep contrary to the lithology log which shows that monitor well MW-5 is approximately 170' deep.
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- 5) The Groundwater elevation contour maps in Appendix F need some explanation. The asterisks seem to denote monitor well locations, but do not coincide with monitor well locations on the map provided in Appendix D. The data by each asterisk does not appear to correspond with the data provided in tabular form. The contours do not reflect the numerical values printed by each asterisk.
- 6) Due to the depth(s) of the trenches within the Closed Class I landfill, the trenches should be illustrated on the cross-sections, when actual depths within an area are known. The water table should also be illustrated on the cross-sections.
- 7) There have been extreme variations in analytical data for this facility which need to be addressed. A discussion of the groundwater quality at this site should be provided and the possibility that this site may need to be referred to the Compliance and Enforcement Section of Solid Waste should be evaluated.
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Kim Ford
Sumter County

page 3
June 25, 1992

range in volume the pond can handle should be provided.

- 10) Documentation of a Department approved Comp QAP for all sampling and analyses should be provided.

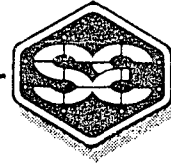
Please have the applicant respond to the items above. If you have any questions, please call.

MEY

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 B. Ford, P.E.,
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

DATE 5-29-92 JOB NO. 92-1100.00

ATTENTION Mr. Ford

RE Sumter County Solid Waste
Management 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
*6	5/29/92		Response to Request for Additional Information Sumter County Solid Waste Management Facility S060-211179 - Solid Waste Composting WT60-211205 - Waste Tire Storage S060-211182 - M.R.F. SF60-211255 - Long Term Care SC60-211181 - Leachate Treatment

D. E. R.
MAY 29 1992
SOUTHWEST DISTRICT
TAMPA

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

* 1 copy noted with green sticker to specify original proof of publication.

COPY TO 2 Copies to Garry Breedon

SIGNED: _____

John W. Springstead, P.E.

Member of American Consulting Engineers Council

May 29, 1992

SUMTER COUNTY SOLID
PERMIT NO.:

SO60-211179 -
WT60-211205 -
SO60-211182 -
SF60-211255 -
SC60-211181 -
91-1100.00

7. How long will
with use of

It is anticipated
years to complete
the existing
when
the forty ac
is approved
additional p
the fluff fr
a zoning ch
allowing for

8. Provide survey
pad areas located

Surveyed cross
are presented

9. Describe in
Treated leachate
surface water
that the dis

The conceptual
treatment to
the treated
system for
located at
4-i)

10. Provide water balance calculations to show the volume of
leachate that can be evaporated by recirculation.

Department of Environmental Regulation

Routing and Transmittal Slip

To: (Name, Office, Location)

1.

Jay Thasaray

2.

Domestic Waste Section

3.

4.

Remarks:

Sumter County
Leachate Treatment
From the composting
Do you have any
comments on this

This letter requesting
additional information
must go out by

June 25

Sorry for the delay
in getting this to you

From:

Kim Ford

Date

6/10/92

Phone

x302

WASTE MANAGEMENT TECHNICAL SUPPORT
ROUTING FORM

PERMITTED FACILITIES

To: Diane Trommer, Waste Cleanup

From: Kim Ford

Date: 6/11/92

Subject: SUMTER COMPOSTING & CLOSED LANDFILL

Document Name: SAME AS ABOVE

Revision Number _____ County: _____

Facility Name: SAME

Type of Facility: SAME

Permit Number: _____ Issue Date: _____

Copy of Permit attached: _____

Document submitted in compliance with permit condition. _____

Document subject to permit timeclock. ☒ YES

Day 1: _____

Day 30: JUNE 25

PATS sheet attached: ☒

Enforcement Case/CO/NOV/ associated with this site: _____

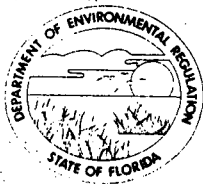
Files and related documents can be found ATTACHED & IN MY OFFICE

Please review and comment on the technical aspects of the attached document as you deem appropriate. In order to maintain progress with the permit review, please provide comments within 30 days or by JUNE 25.

Comments: _____

Module _____

Attachments _____



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II *RB 6-25-92*

THROUGH: Diane Trommer, P.G. II *DT 6-25-92*

FROM: Mary Yeargan, E.S. III *my 6/25/92*

DATE: June 25, 1992

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. SO60-211179/SC60-211181/SO60-211182/
SF60-211255

.....

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Kim Ford
Sumter County

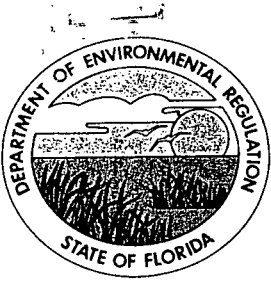
page 3
June 25, 1992

range in volume the pond can handle should be provided.

- 10) Documentation of a Department approved Comp QAP for all sampling and analyses should be provided.

Please have the applicant respond to the items above. If you have any questions, please call.

MEY



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

April 28, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Solid Waste Facilities	
Permit No.:	Type of Permit
SO60-211179	Solid Waste Composting
WT60-211205	Waste Tire Storage
SO60-211182	M.R.F.
SF60-211255	Long-Term Care
SC60-211181	Leachate Treatment

Dear Mr. Springstead:

This is to acknowledge receipt of your permit application.

This letter constitutes notice that permits will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your applications for permit is incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

The following information is required in support of the solid waste application [Chapters 17-701, Florida Administrative Code (F.A.C.)]:

- ✓ 1. Proof of publication of notice of application as per FAC Section 17-701.030(6), see attachment.
- APPROPRIATE PENDING 2. Provide documentation of Sumter County's possession of an approved Comprehensive Quality Assurance Plan (CQAP) for the sampling and analysis as required for the facility. You are requested to work directly with Ms. Sylvia Labie of the QA Section in Tallahassee to obtain approval of the quality assurance plan.
- COST EST. REQ. 3. Updated financial responsibility cost estimates for long-term care of the closed landfill. Approved cost estimates will be forwarded to Mr. Fred Wick of the Solid Waste Section in Tallahassee. You are requested to work directly with him to obtain approval of Sumter County's financial responsibility documents.

- 9 4. Your response to Mary Yeargan's April 28, 1992 attached memorandum. Ms. Yeargan may be contacted at (813) 620-6100, extension 376. Please submit a revised updated groundwater monitoring plan that complies with F.A.C. Rule 17-28.700.

NOT REC. (5) A fire safety survey conducted and documented by the local fire protection authorities for the subject facilities.

NOT RECD. 7/10 (6) Describe the "temporary contingency" use of the lined cell. Solid waste that is not milled must be covered within 24 hours or transferred to a permanent Class I solid waste disposal facility within 48 hours. This Department requires the location of the permanent disposal site for residuals (30% of the total solid waste or 20 tons) not recycled or composted?

Composting

3-4 yrs (7) How long will it take to empty the lined cell of fluff with use of the existing composting areas only?

SITE VISIT (8) Provide surveyed cross-sections of the existing compost pad areas located over the closed landfill.

Leachate Treatment

PLAN UPDATE NOT REC. (9) Describe in detail your plans for effluent discharge. Treated leachate may not go to the percolation pond or surface water management system unless data indicates that the discharge will meet drinking water standards.

ASSUMPTIONS TO GENERAL (10) Provide water balance calculations to show the volume of leachate that can be evaporated by recirculation.

SITE VISIT (11) Provide calculations indicating the time required to remove and eliminate leachate stored in the existing lined pond and cell by recirculation only.

✓ 12. Describe how the planned leachate equalization basin will meet the current requirements for a double liner as specified in F.A.C. Rule 17-701.050.

Waste Tire Storage

✓ 13. Indicate the location for waste tire storage on a drawing.

✓ 14. Describe how waste tires are transported. Are the waste tires processed before transporting? Where are the waste tires taken for processing and/or disposal?

Mr. John Springstead
Springstead Engineer

April 28, 1992
Page Three

Long-Term Care

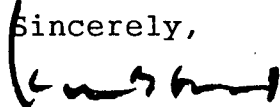
15. Please provide professional conclusions and recommendations regarding the evaluation of the landfill closure including:

- (a) Effectiveness and results of a groundwater investigation.
- ✓ b. Effects of surface water runoff, drainage patterns and existing stormwater controls.
- (c) Extent and effects of methane gas migration.
- ✓ d. Type and condition of existing cover and its effectiveness as a leachate control mechanism.

"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 17-12.070(5), F.A.C., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department will issue a final order denying your application. You need to respond within 30 days after you receive this letter, responding to as many of the information requests as possible and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 90 days to develop, an application for new construction should be withdrawn and resubmitted when completed information is available. For operating permits, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

If there are points which must be discussed and resolved, please contact me at (813) 620-6100, extension 382.

Sincerely,


Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

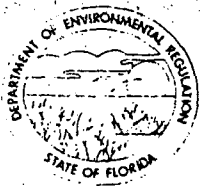
KBF/ab
Attachments

cc: Garry Breeden, Sumter County
Fred Wick, DER Tallahassee
Sylvia Labie, DER Tallahassee
Robert Butera, P.E., DER Tampa
Steve Morgan, DER Tampa
Mary Yeargan, DER Tampa

State of Florida
Department of Environmental Regulation
Notice of Application

The Department announces receipt of an application for permit from Sumter County Public Works for permits for solid waste composting, waste tire storage, materials recovery, long-term care, and leachate treatment at the closed Sumter County Landfill, located near I-75 and C.R. 470, north of Bushnell, Sumter County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Regulation, Southwest District Office, 4520 Oak Fair Boulevard, Tampa, Florida 33610-7347.



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Kim Ford, P.E.

THROUGH: Robert Butera, P.E. II *RB*

THROUGH: Diane Trommer, P.G. II *DT*

FROM: Mary Yeargan, E.S. II *my*

DATE: April 28, 1992

SUBJECT: Sumter County Solid Waste Management Facility and
Closed Class I Landfill
Permit No. S060-211179/SC60-211181/S060-211182/
SF60-211255

.....

The Groundwater Cleanup Section has reviewed the subject solid waste permit applications for Sumter County, dated March 30, 1992, and has initial comments. This application should include a Groundwater Monitoring Plan that meets the requirements of Section 17-28.700, Florida Administrative Code, (F.A.C.) The Groundwater Monitoring Plan (GWMP) should be a complete document that can stand alone. The applications only refer to March 22, 1985 groundwater monitoring requirements for Permit Number S060-30674 which were established prior to site improvements such as the use of the site as a composting facility. Geological information and analytical data for the last permitted period should be summarized and evaluated to determine whether the existing Groundwater Monitoring Plan is sufficient for this application. Until this information is submitted to the Department, a review cannot be provided.

- 1) Monitor well construction details and lithology logs, including elevations, should be provided. Geologic cross-sections, from east to west and north to south, should be constructed that illustrate the various lithologies and their relationships.
- 2) Water level information for each monitor well for each sampling event should be provided in tabular form (including top of casing elevations, depth to water, monitoring interval length, and corresponding water level elevations) and in graphic form showing the interpretation of the groundwater flow direction to verify the direction of groundwater flow and to estimate fluctuations in the water table.
- 3) A recent potentiometric map for the Floridan aquifer must be provided.

- 4) The depth(s) of the trenches within the Closed Class I landfill was not discussed or provided.
- 5) Land use information for the area surrounding the landfill should be provided. A current well survey should be provided.
- 6) A summary of analytical data for all sampling periods should be provided in tabular form. All parameters which have exceeded maximum contaminant levels should be graphically displayed over time to evaluate the trends. Analytical data for leachate indicator parameters should also be graphically displayed over time to evaluate the trends. Once this information is provided, monitoring parameters can be evaluated.
- 7) Are there to be monitor wells associated with the new leachate collection system?
- 8) The Material Safety Data Sheet (MSDS) for the B.D. Compost Starter should be provided.
- 9) Within Section 3, Leachate Treatment Facility, there was no discussion concerning the testing and disposal of sludges generated in the leachate treatment facility. There was no discussion regarding the testing and monitoring of effluent from the leachate treatment facility. There was no discussion concerning the quantity of treated leachate that will be routed to the existing stormwater retention area and whether the pond can handle the additional flow.
- 10) All sampling and analyses should be conducted in accordance with a Department approved Comprehensive Quality Assurance Plan (Comp QAP) to comply with the requirements of Chapter 17-160, F.A.C. Documentation of a Department approved Comp QAP for all sampling and analyses should be provided.
- 11) Section 17-4.050(3), F.A.C., states that where required by Chapter 471 or 492, Florida Statutes (F.S.), applicable portions of permit applications and documents which are submitted to the Department for public record shall be signed, sealed and dated by the professional(s) who prepared or approved them. Geological portions of documents and submittals should be signed, sealed and dated by a Florida registered professional geologist in accordance with Chapter 492, F.S., and engineering portions of documents and submittals should be signed, sealed and dated by a Florida registered professional engineer in accordance with Chapter 471, F.S.

Please have the applicant respond to the items above. If you have any questions, please call.

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1.

CHRIS PERSON

2.

DER/SWFWMD Liaison

3.

4.

Remarks:

For Your Information,
 IS A PERMIT RENEWAL.
 SWFWMD may want
 TO REVIEW IT

WASTE TREATMENT FACILITY
 WASTE TREATMENT FACILITY
 WASTE TREATMENT FACILITY

WASTE TREATMENT FACILITY

RS

From:

Kim Ford

Date

4/6/92

Phone

542-0100X382

Springstead Engineering, inc.

Consulting Engineers — Planners — Surveyors

727 South 14th Street

Leesburg, Florida 33748

Lake (904) 787-1414

Sumter (904) 793-3039

Fax (904) 787-7221

Routing and Transmittal Slip

To: (Name, Office, Location)

1.	FRANCINE JOYAL
2.	SOLID WASTE MANAGEMENT
3.	DER TALLAHASSEE
4.	

Remarks:

copy
for your
information

From:	Kum	Date:	4/6/92
		Phone:	

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



**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

April 1, 1992

Mr. Richard Garrity
Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

APR - 3 1992

SOUTHWEST DISTRICT
TAMPA

RE: SUMTER COUNTY SOLID WASTE FACILITY
921100.00

Dear Mr. Garrity:

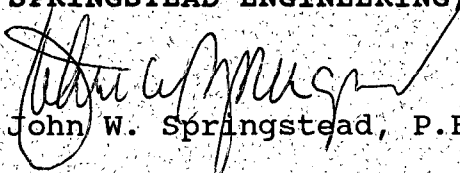
Please accept this letter as our notification that Springstead Engineering, Inc. (SEI) will be corresponding to Florida Department of Environmental Regulation (FDER) in the future on the behalf of Sumter County. Please consider SEI as the official correspondent for all notices, submittals and any other materials pertaining to the facility.

Please copy all correspondence to Mr. Garry Breeden, Director of Public Works, 222 East McCollum Avenue, Bushnell, Florida 33513. Should any other party request or wish to be copied relative to any correspondence, please do so.

Thank you for your continued cooperation.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.

JWS/jal

cc: William Kutash
Robert Butera
Kim Ford
Steve Morgan
Stephanie Hinson
Garry Breeden
Tommy Hurst

(SOLID)



Springstead
Engineering, Inc.

727 South 14th Street
Leesburg, Florida 34748

Consulting Engineers - Planners - Surveyors

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: **March 30, 1992** JOB NO: **921100.00**

ATTENTION: **Mr. Kim Ford, P.E.**

RE: **Sumter County Solid Waste
Management Facility**

GENTLEMEN:

WE ARE SENDING YOU ☒ Enclosed ☐ under separate cover via _____ the following items:

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐ Facsimile

☐ Copy of Letter ☐ Change Order ☐ _____

Copies	Date	No.	Description
6	3/30/92		Applications for: Permit to Operate Composting Facility; Permit to Construct Leachate Treatment Facility; Permit to Operate Resource Recovery Facility; Waste Tire General Permit; and Permit to Maintain Closed Class I Sanitary Landfill Prepared for Sumter County Board of County Commissioners
6	3/30/92		Appendices to Applications for: Permit to Operate Composting Facility; Permit to Operate Resource Recovery Facility; Waste Tire General Permit; and Permit to Maintain Closed Class I Sanitary Landfill Prepared for Sumter County

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: These Applications and Appendices were hand-carried by Mr. Tommy Hurst, Assistant Director of Public Works, Sumter County, on March 30, 1992.
Thank you!

COPY TO: Mr. Tommy Hurst
Mr. Garry Breeden

SIGNED: _____

Ralph W. Warnock, Jr.

DMB 921100 FORD.TRN

Member of American Consulting Engineers Council

March 30, 1992
Mr. Kim Ford, P.E.
921100.00

Page 2

1	3/26/92	Check Number 048621 in the amount of \$1,000 payable to FDER by Sumter County Board of County Commissioners.
1	3/26/92	Check Number 048622 in the amount of \$1,000 payable to FDER by Sumter County Board of County Commissioners.
1	3/26/92	Check Number 048623 in the amount of \$100 payable to FDER by Sumter County Board of County Commissioners.
1	3/26/92	Check Number 048624 in the amount of \$3,000 payable to FDER by Sumter County Board of County Commissioners.
1	3/26/92	Check Number 048594 in the amount of \$1,000 payable to FDER by Sumter County Board of County Commissioners.

BLACK & VEATCH

ENGINEERS — ARCHITECTS

TEL (813) 281-0032

2701 NORTH ROCKY POINT DR., SUITE 960

TAMPA, FLORIDA 33607-5924

FAX: (813) 281-0881

March 27, 1992

Mr. Kim Ford
Florida Department of Environmental Regulation
4520 Oak Fair Boulevard
Tampa, FL 33610

Re: Permit No. SC60-132071
Project Completion

Dear Mr. Ford:

Transmitted herewith as per our telephone conversation, is the following documentation for the Composting Facility Site Improvements project at the Sumter County Landfill:

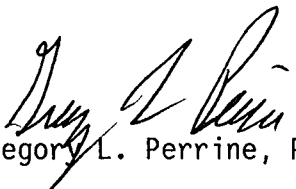
- One set of project drawings which are conformed to construction records (signed and sealed by a professional engineer).
- One Certificate of Construction Completion (signed and sealed by a professional engineer).

Construction of the improvements is complete. The record drawings reflect adjustments made to the improvements during construction. The Certificate of Construction Completion documents the adjustments. This completes the site improvements project contained in the drawings and specifications developed by Black & Veatch.

If you have any questions or require any additional information, please feel free to contact our office at any time.

Very truly yours,

BLACK & VEATCH



Gregory L. Perrine, P.E.

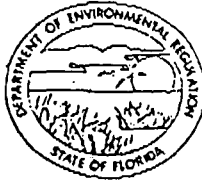
cec/004.51
Enclosures

cc: Ric Gray
Garry Breeden

D. E. R.

MAR 30 1992

SOUTHWEST DISTRICT
TAMPA



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

D. E. R.

MAR 30 1992

SOUTHWEST DISTRICT
TAMPA

CERTIFICATION OF CONSTRUCTION COMPLETION

DER Construction Permit No.: SC60-132071 County: Sumter
Name of Project: Compost Facility Site Improvements
Name of Owner: Sumter County Board Of County Commissioners
Name of Engineer: Black & Veatch
Type of Project: Construction of compost pads and leachate collection ponds.
Cost: Estimated \$ 207,178.40 Actual \$ 203,425.00
Site Design: Quantity: ----- ton/day Site Acreage: 30 Acres
Population: 30,000 Dumping Fee: \$ 35 /Ton
Deviations from Plans and Application Approved by DER: See attached field order for revisions to the south pond and change order for miscellaneous modifications.
Water Monitoring Data Submitted to DER, Date: N/A
Address and Telephone No. of Site: Sumter County Landfill, County Road 529, Sumterville, Florida 33585
Name(s) of Site Supervisor: Mr. Garry Breeden
Date Site Inspection Is requested: To coincide with permit renewal inspection.
This is to certify that, with the exception of deviations noted above, the construction of the project has been completed in accordance with the plans authorized by Construction Permit No.: SC60-132071 Dated: June 28, 1991
Date: 3-27-92

Signature of Professional Engineer



No. 1

CHANGE ORDER

Dated December 23, 1991OWNER's Project No. _____ ENGINEER's Project No. 17239.400Project Composting Facility Site ImprovementsCONTRACTOR C.J. McGeehan Construction, Inc.Contract For \$212,455.00 Contract Date September 10, 1991To: C.J. McGeehan Construction, Inc.

CONTRACTOR

You are directed to make the changes noted below in the subject Contract:

Sumter County Board of County Commissioners

OWNER

BY [Signature]Dated Jan 7, 1992

Nature of the Changes:

(See attached letter for details)

- | | |
|----------------------------------|--------------|
| 1. Elimination of earth fill | - \$3,830.00 |
| 2. Deletion of north access road | - \$3,500.00 |
| 3. Damage to existing building | - \$ 200.00 |
| 4. Deletion of seeding/mulching | - \$2,500.00 |
| 5. Extend south access road | + \$1,000.00 |

TOTAL:	- \$9,030.00
--------	--------------

These changes result in the following adjustment of Contract Price and Contract Time:

Contract Price Prior to This Change Order	\$ <u>212,455.00</u>
Net Decrease Resulting from this Change Order	\$ <u>9,030.00</u>
Current Contract Price Including This Change Order	\$ <u>203,425.00</u>

Page 2

Contract Time Prior to Change Order 90 days
(Days or Date)

Net Decrease Resulting from This Change Order 0
(Days)

Current Contract Time Including This Change Order 90 days
(Days or Date)

The Above Changes Are Approved:

Black & Veatch
ENGINEER

By *James L. Linn*

Dated *December 23*, 19*91*

The Above Changes Are Accepted:

C.J. McGeehan Construction, Inc.
CONTRACTOR

By *A. F. H. Campbell*

Dated *12/23*, 19*91*

BLACK & VEATCH

ENGINEERS — ARCHITECTS

TEL (813) 281-0032

2701 NORTH ROCKY POINT DR., SUITE 960
TAMPA, FLORIDA 33607-5924
FAX: (813) 281-0881

Amerecycle
Sumter County, Florida
Composting Facility Site Improvements

B&V Project 17239.400
B&V File G-1.01
December 23, 1991

Mr. Ric B. Gray
Vice President
System Design & Operations
Amerecycle
P.O. Box 338
Sumterville, FL 33585

Subject: Change Order No. 1

Dear Ric:

In accordance with our conversation on December 19, 1991, we arranged a meeting with Mr. Brett Langford, C.J. McGeehan Construction, Inc. to evaluate proposed cost revisions to the site improvements project contract. The following is an item by item discussion of the changes and associated costs.

1. Earth fill for north compost pad. As documented in our letters to C.J. McGeehan Construction, Inc., dated October 22, 1991, and October 7, 1991, survey information and calculations to support the contractor's request to lower the elevation of the north compost pad had to be submitted to justify the revision. At our meeting with Mr. Langford, he indicated the information would not be forthcoming and they would prefer to take a cost deduction from the contract amount. Mr. Langford agreed to a cost reduction of \$3,830 for this item. The cost is based on the elimination of 927.5 cy of fill at \$4.13/cy.
2. Deletion of north access road. As discussed in our letter to C.J. McGeehan Construction, Inc. dated October 7, 1991, the north access road is to be deleted to avoid placing fencing in the existing landfill cell HDPE lining membrane. Mr. Langford agreed to a cost reduction of \$3,500 for this item. The cost is based on the elimination of 260 cy of road at \$10/cy and 200 l.f. of remove/relocate fence at \$4.10/l.f.

Mr. Ric B. Gray

B&V Project 17239.400
December 23, 1991

3. Damage to existing volume reduction station. Mr. Langford agreed to a cost of \$200 for this item. The cost is based on discussions at our meeting on December 17, 1991.
4. Deletion of seeding/mulching. In accordance with discussions at our meeting on December 17, 1991, Sumter County personnel will complete the seeding/mulching at a later date. Mr. Langford agreed to a cost reduction of \$2,500 as outlined in the submitted schedule of values.
5. Extend south access road. Due to settlement of the existing asphalt pavement for the south compost pad, the access road was extended to provide proper stormwater drainage. Mr. Langford agreed to a cost increase of \$1,000 for this item. The cost is based on an additional 60 cy of access road (including extended subbase) at \$16.60/cy.

The result of the above cost revisions is a deduction in the contract amount of \$9,030.00. We have reviewed the costs and believe they are reasonable and recommend they be reflected in a change order.

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

Very truly yours,

BLACK & VEATCH

Gregory L. Perrine, P.E.

cec/015.51

cc: Garry Breeden
Tommy Hurst
Brett Langford

DLA
File

BLACK & VEATCH
ENGINEERS — ARCHITECTS

TEL (813) 281-0032

2701 NORTH ROCKY POINT DR., SUITE 960
TAMPA, FLORIDA 33607-5924
FAX: (813) 281-0881

Amerecycle
Sumter County, Florida
Composting Facility Site Improvements

B&V Project 17239.400
B&V File G-1:1
October 14, 1991

Mr. Brett Langford
C.J. McGeehan Construction, Inc.
700-46th Street South
St. Petersburg, FL 33711

Subject: South Pond Revisions

Dear Mr. Langford:

As we discussed during our telephone conversation on October 9, 1991, some minor adjustments to the proposed south leachate collection pond and south compost pad are necessary. The modifications are needed to compensate for elevation changes created by settlement of the closed landfill cell and avoid landfill cell contents located during preliminary excavations.

During a progress meeting on October 10, 1991, we discussed two proposed modifications with Mr. Don Haley. The revisions are outlined in the following paragraphs.

The first modification involves the inner slope of the south leachate collection pond. The discovery of landfill contents in the proposed pond location necessitates revising the pond. A drawing of the revised pond is attached. The drawing presents the following modifications:

- The proposed 64.0 contour (45 feet east of existing fence line) of the east berm should be revised to elevation 68.0.
- The slope of the berm from the new 68.0 elevation to the bottom of the pond should be revised from 3:1 to 2:1, with the bottom elevation of the pond remaining at the proposed elevation of 57.0.
- The slope of the berm from the new 68.0 elevation to the compost pad should be as necessary to cover landfill contents, and blend with the existing asphalt pad elevation. The slope shall be uniform.

Mr. Brett Langford

B&V Project 17239.400
October 15, 1991

- The location of the proposed concrete curb on the berm should not change, and no revisions to work outside the curb are necessary.
- The inner slope on all other sides of the pond should be revised from 3:1 to 2:1.
- The proposed bottom elevation of 57.0 should not change.

As was discussed at the progress meeting, the proposed revision to the south pond does not result in a change to the contract amount. Calculations done on site, show that the revised inner slope will offset the reduction in available cut material created by the landfill contents. No other quantities or work items would be effected or present a cost change. Therefore, this change is minor in nature and in accordance with General Condition 10.2 and can be accomplished as a field order. Please note, neither the contract amount or time is adjusted by a field order.

The second modification discussed, is to extend the proposed access road to the east. Settlement of the closed landfill cell has created a low spot in the location where the road will join the curb. To maintain the drainage channel desired, the northwest corner of the curb should move to the east. The northwest corner of the curb should move to a high point located approximately 15 feet east of the location shown on the drawings. The south edge of the road should not change.

Mr. Haley indicated he would review the road revision and notify our office if any additional correspondence is necessary.

Please review the above proposed revisions and notify our office if further explanation or documentation is desired. if you have any questions, give me a call.

Very truly yours,

BLACK & VEATCH

/s/

Gregory L. Perrine, P.E.

cec/004.51

cc: Ric Gray
Garry Breeden

EXISTING ASPHALT SURFACE—

A
SD-1

D
SD-2

GAS VENT

C
SD-2

GAS VENT

175 L.F. ± EXISTING FENCE
REPLACED WITH NEW 10'
(WITH FABRIC)

EQUIPMENT PAD.
EQUIPMENT BY OTHER

20'

3'-0" FENCE GATE

INSIDE OF CURB
N. 9600
E. 9537

53'-0"

76
75
74
73
72
71
70
69

1/8" / FT.

WALL

3'-0" FENCE GATE

TO BE ABANDONED
REDUCTION STATION

ON STATION

5' MIN.

Bottom EL = 57.0

SOUTH LEACHATE COLLECTION POND
60 VOL = 66,100 CU. FT.

65
66
67
68
69
70
71
72
73
74
75
76

6'-0" CHAIN
ON NORTH, SOL

INSIDE CR.
N. 7929
E. 9425

4'

EXISTING

GUY WIRE

CONCRETE CURB ON SOIL

9'-0" TOP OF BERM (TYP.) AT EL. 70.00

INSIDE OF CURB
N. 9548
E. 9400

INSIDE OF CURB
N. 9574
E. 9410

EXISTING SATELLITE
DISH

GUY W

EXISTING POWER LINE TO REMAIN

SOUTH LEACHATE COLLECTION POND MODIFICATIONS

10/15/91

10/15/91

10/15/91

Sumter County Public Works

222 East McCollum Avenue
Bushnell, Florida 33513
Phone (904) 793-0240

Proj. 17239. FOD
File 61.1

Garry Breeden
Director

Tommy Hurst
Assistant Director

October 23, 1991

Mr. Greg Perrine
Black & Veatch
2701 North Rocky Point Dr.
Suite 960
Tampa, FL 33607-5924

Re: Contour Changes to south compost pad leachate pond.

Dear Mr. Perrine,

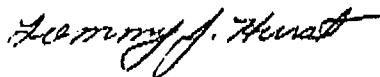
During the October 10, 1991 progress meeting at Amerecycle Office we agreed to make some contour changes to the south compost pad leachate pond which would not result in a change to the contract amount.

This change is minor and in accordance with general condition 10.2 and can be done as a field order.

The 15' change to access road is a deletion of some curbing and add to roadway entrance.

Mr. Haley said that he would review and notify you at Black and Veatch.

Sincerely,



Tommy Hurst
Assistant Dir. of Public Works
Sumter County

TH/jc



**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**

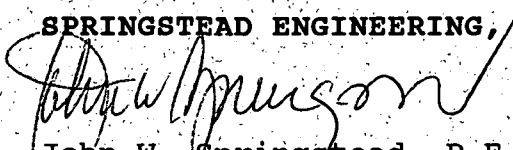
Dear Mr. Ford:

In regards to your letter to me dated February 20, 1992 concerning permit renewal of the above facility, we will submit the applications, fees and related data on March 31, 1992 per the second paragraph on Page 2 of your letter.

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

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.
JWS/jal

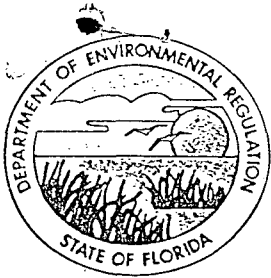
cc: Mr. Garry Breeden
Mr. Tommy Hurst

(KIMFORD)

D. E. R.

MAR 24 1992

SOUTHWEST DISTRICT
TAMPA



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

FAX TRANSMITTAL SHEET

3-4-92

Date

TO:

MR. JAMES PICKERING

DEPT.:

FAX #:

1-626-9115

FROM:

BOB BUTERA

DEPT.: D.E.R., Tampa Office

PHONE: 813-620-6100 or SunCom 542-6100

Ext. 451

FAX(local) 620-6123 or (SunCom) 542-6123

SUBJECT:

SUMMIT COUNTY CLASS III

COMMENT:

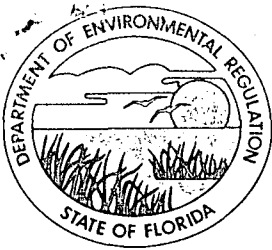
TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:

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RECEIVED BY:

PHONE:

FAXED
3-6-92
4:30 pm



Florida Department of Environmental Regulation

Southwest District



4520 Oak Fair Boulevard



Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary

March 4, 1992

Mr. James Pickering
10002 Princess Palm Avenue
Suite 230
Tampa, FL 33619

Re: Sumter County - Proposed Class III Cells-Letter dated
February 25, 1992

Dear Mr. Pickering:

Thank you for your letter dated February 25, 1992 requesting guidance for development of supporting details and plans for your proposed class III landfill at Sumter County. I may have mislead you after reading your letter and my telecom report and intend to clear up most items as follows.

All Class III landfills will be evaluated for liner requirements and associated leachate collection system and gas controls or exemptions thereof based on site specific information in accordance with F.A.C. 17-701.050(3)(c). Hydrogeology (site specific), types of wastes (trash, yard trash) and methods to control these types of waste for disposal will be considered by this Department. Specific waste types such as textiles, tires, furniture will not be used to determine liner exemptions.

Submittal of hydrogeological and geotechnical information will determine liner requirements or exemption at your proposed Class III landfill. All new landfills permitted after August 1, 1990, as well as other landfills specified in Rule 17-701.050(1), F.A.C. shall have a leachate collection and removal system and either a composite liner or a double flexible membrane liner (F.A.C. 17-701.050(5)(d)1.

All Class III landfills (lined or unlined) will be permitted to accept all waste types included in the definitions per 17-701.020, F.A.C. of trash, yard trash and construction and demolition debris. In addition a policy memo and the proposed new 17-701 regulations include mattresses and furniture in the definition of "trash".

March 4, 1992

All of the following you listed in referenced letter are acceptable in a Class III landfill with the exception of "film plastics" from the compost screening process:

- | | |
|-----------------------------|---------------------------------|
| (1) Furniture | (6) C&D Debris |
| (2) Mattresses | (7) Carpets |
| (3) Glass | (8) Textiles |
| (4) Leather | (9) Tires - cut into 8 sections |
| (5) Rubber (footwear items) | |

Permit fees for two Class III cells (contiguous) if construction plans for both are submitted with application simultaneously and construction completion for both takes place within 5 years will be as follows:

- | | | |
|---------------------|-------------|--|
| Construction Permit | - \$6,000 - | (Good for this period of construction only - not to exceed 5 years.) |
| Operating Permit | - \$4,000 - | (Good for a maximum period of 5 years.) |
| Closure Permit | - \$4,000 - | (Must be issued with operational permit if interim closure of any cells is anticipated within 5 years - must submit closure schedule and volume or disposal anticipated for the life of facility.) |

Background, detection and/or compliance groundwater monitoring wells will be determining by FDER groundwater section. All Class III landfills will require weekly intermediate cover (a minimum of 6" compacted). No property boundary setbacks are invoked but stormwater design must not discharge runoff on adjacent properties. In any area open to public view from any major thoroughfare proper screening must be provided in accordance with 17-701.040(h).

Currently, FDER allows utilization of a 20 mil HDPE cover liner but I bring your attention to the proposed regulations 17-701.505 (pages 120 and 121) which will require a semi-crystalline thermo plastic of at least 40 mils or a non-crystalline thermo plastic liner at least 30 mils thick.

Question Responses:

1. No film plastics resulting from the composting operation will be allowed to be disposed in an unlined Class III landfill.

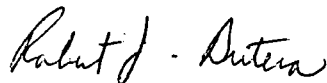
March 4, 1992

2. Dyes are a leachate contaminant but through effective groundwater monitoring its actual impact will be assessed. In general, textiles/carpeting represent a small percentage of class III disposal.
3. The FDER's concern relative to tire disposal is a potential for a fire hazard or melting from heat causing petroleum by-products to be released.
4. Screened large fraction compost ($>1/4"$, $<1"$) can be used for intermediate cover. Odor control and adequate cover compaction will be required should either become a problem.
5. C&D debris can not be used as cover material.

In conclusion the geotechnical and hydrogeology of the site will determine if a liner is required. Should a liner be required consideration of a Class I facility in conjunction with a C&D debris facility may be most appropriate and cost effective. Cover requirements and monitoring samples required may be your only additional cost in addition to permit fees but would allow much more flexibility in a long term operation for disposal.

I hope I have adequately answered your questions. If you have any further questions you may contact me at 620-6100, ext. 451.

Sincerely,



Robert J. Butera, P.E.
Solid Waste Manager
Division of Waste Management

RJB/ab

cc: Garry Breeden, Sumter County Public Works Director
Steve Morgan, DER Tampa
Kim Ford, P.E., DER Tampa

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 2/21/92

Time 10:30

Subject Sumter SW Facility

Permit No. _____

County _____

MR J. Springsstead

Telephone No. _____

Representing _____

[] Phoned Me [x] Was Called [] Scheduled Meeting [] Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

1. We discussed the recent compost results
and Mr Springsstead said he will
review them for what type compost.

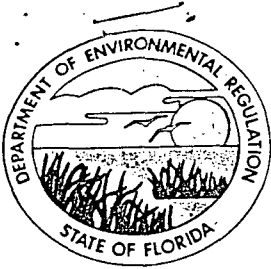
2. Mr Springsstead
requested a faxed copy of
FDGRS Feb 20th letter

3. The deadline of March 31st
was discussed for all permit renewal
applications

(continue on another
sheet, if necessary)

Signature Kint

Title _____



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

February 20, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Composting Facility
SC60-132071
Class I Landfill (Closed)
SF60-146475

Dear Mr. Springstead:

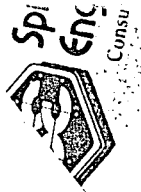
In response to your February 14, 1992 letter, the following is a list of what you must submit for obtaining the required permits for your facility:

1. Apply for a construction permit for the proposed expansion of the composting facilities. Fee is \$5000.00
2. Apply for an operation permit for composting to replace the related modification of permit SC60-132071 that expires June 1, 1992. Fee is \$3000.00.
3. Apply for a construction permit for the proposed revised leachate treatment facilities. Fee is \$1000.00.
4. Apply for an operation permit for the resource recovery facilities used for segregating and shredding waste. Fee is \$1000.00.
5. Apply for a general permit for storing waste tires. Fee is \$100.00.
6. Apply for a long-term care permit for the closed Class I landfill to replace permit SF60-146475 to address continued groundwater monitoring, landfill maintenance and to identify findings or problems from past 5 years of monitoring and recommend any changes or improvements that may be necessary. Fee is \$1000.00.

Attached are the forms.

Mr. John Springstead, P.E.
Springstead Engineering

February 20, 1992
Page Two



The Department has also considered requiring a permit for a Class I landfill. In order to avoid this seemingly unnecessary exercise, documentation must be provided to indicate a reasonable time period for removal of all waste from the lined area and the County's clear intention to use this area for temporary contingency measures only. Furthermore, please describe all wastes not to be composted and what provisions are made for recycling or disposal. Since the type of operation has changed significantly from 5 years ago, a short summary in the beginning of forthcoming information is requested to help clear the way for a more expeditious review.

Please be advised that all required permit applications must be received by March 31, 1992 to comply with Department rules which is at least 60 days prior to June 1st, the expiration date of the current permit. Failure to submit permit renewal applications on time will subject the facility to possible enforcement action.

If you have any questions you may call me at (813) 620-6100, extension 382.

Sincerely,

Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachments

cc: Garry Breeden, SCPW
Ric Gray, Amerecycle
Bob Butera, P.E., DER Tampa
Steve Morgan, DER Tampa



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-620-6100

Carol M. Browner, Secretary



FAX LOCAL # 813-620-6123

FAX SUNCOM # 542-6123

FAX TRANSMITTAL SHEET

2/21/92
Date

TO:

Mr J Springsteen

Dept.:

Phone:

FAX (904) 787 1221

FROM:

Kim Gons

Dept.: D.E.R., Tampa Office

Phone: 813-620-6100 or SunCom 542-6100

EXT. 302

OPERATOR:

Phone: 813-620-6100 or SunCom 542-6100

EXT.

SUBJECT:

SUNCOM SW FACILITIES

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:

10

RECEIVED BY:

Phone:



**Springstead
Engineering, Inc.**

Consulting Engineers — Planners — Surveyors

D. E. R.

FEB 18 1992

SOUTHWEST DISTRICT
TAMPA

727 South 14th Street
Leesburg, Florida 34748

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

February 14, 1992

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

**RE: PERMIT RENEWAL
SUMTER COUNTY VOLUME REDUCTION AND CLASS I LANDFILL
PERMIT #SC60-132071, SUMTER COUNTY**

Dear Mr. Ford:

We are in receipt of a copy of a letter from Mr. Steven G. Morgan, Environmental Specialist III with the Florida Department of Environmental Regulation (FDER) dated February 14, 1992, in regards to the above referenced project.


As he stated, due to the complexities involved in designing, constructing and operating a solid waste management facility, and the possibility that standards and/or regulations applicable to this facility may have changed, we need to submit a detailed permit application. Therefore, we would like an up-to-date package of all applications and necessary materials to complete this permit application, along with current fees.

Since this process is usually a rather involved and time consuming one, we ask that you send this material as soon as possible.

Thank you for your assistance in this matter. Should you have any questions, please contact our office.

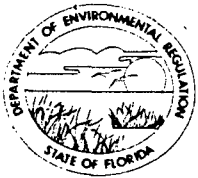
Sincerely,

SPRINGSTEAD ENGINEERING, INC.


John W. Springstead, P.E.

JWS/jal

(FORD)



Florida Department of Environmental Regulation

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

DER Form #	17-711.800(2)
Form Title	Waste Tire General Permit Notification
Effective Date	February 22, 1989
DER Application No.	(Filed in by DER)

Waste Tire General Permit Notification

Pursuant to Rule 17-711.801, Florida Administrative Code, the owners or operators of a qualifying waste tire collection center or small processing facility or mobile shredding, chopping, or cutting equipment shall submit the following information on this form to the Department.

1. Type and status of operation (check as many as apply):

Existing ☐ Proposed ☐

☐ Waste tire collection center ☐ Mobile shredding, chopping, or cutting equipment

☐ Small processing facility ☐ Other

2. Waste tire collection centers and small processing facilities must complete the following facility information:

a. Facility name: _____

b. Facility location:

Street address (main entrance) _____

City _____, County _____, Zip _____

Section _____, Township _____, Range _____

Latitude _____, Longitude _____

c. Name of property owner: _____

d. Address of property owner: _____

City _____ State _____ Zip _____

e. Telephone number of property owner: (_____) _____

3. Name of operator: _____

4. Address of operator: _____

City _____ State _____ Zip _____

5. Telephone number of operator: (_____) _____

6. Describe the general operation of the facility or equipment (attach additional sheets, if necessary): _____

7. Describe how the waste tire storage and handling requirements of Rule 17-711.540, F.A.C. will be met (attach additional sheets, if necessary): _____

DER Form #	17-711.900(2)
Form Title	Waste Tire General Permit Notification
Effective Date	February 22, 1988
DER Application No.	(Filed in by DER)

8. Date of beginning operation: _____
9. Quantities of waste tires, expressed in tons (assume there are 100 tires per ton or 10 tires per cubic yard):
- Received per month: _____ tons
- Stored on site: _____ tons
- Processed per month: _____ tons
10. Describe how and where the waste tires, processed tires, and residuals from processing will be disposed:
- _____
- _____
- _____
11. List mobile shredding, chopping, and cutting equipment processing locations during preceeding three months (Photocopies of Form 17-711.900(3) for each processing site may be attached in lieu of listing each site). Attach additional sheets, if necessary:
- Name of facility or site: _____
- Site Location (main entrance)
- Street address: _____
- City _____ County _____ Zip _____
- Latitude _____, Longitude _____
- Site property owner: _____
- Property owner address: _____
- Property owner phone number: (_____) _____

12. Required attachments:

- Letter of notification to fire protection authority
- General permit fee of \$25.00. (Rule 17-4, F.A.C.)

13. Certification:

To the best of my knowledge and belief, I certify the information provided in this notification is true, accurate, and correct.

Name of Authorized Agent

Signature of Authorized Agent

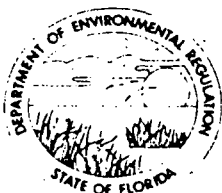
Date

Mobile Equipment Operators mail completed form to:
Florida Department of Environmental Regulation
Solid Waste Section
Attention: Tires
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Collection Centers and Small Processing Facilities
mail completed form to
the appropriate district office
listed on page 1.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

APPLICATION FOR PERMIT TO CLOSE
A SOLID WASTE RESOURCE RECOVERY AND MANAGEMENT FACILITY

GENERAL REQUIREMENTS

Solid Waste Resource Recovery and Management Facilities must be permitted pursuant to Section 403.707, Florida Statutes. Separate permit applications for each type of facility, six copies each, should be submitted to the District office of the Department of Environmental Regulation. Complete appropriate sections of the application for the type of facility involved.

Applicant has the responsibility to provide copies of the application to appropriate city, county and/or regional pollution control agencies, established pursuant to Section 403.182, Florida Statutes. Applicant shall also submit the application through appropriate local planning agencies. Comments from any of these agencies shall be forwarded with the application to the Department.

The permit application shall include all information necessary to evaluate the proposed closure plan to insure the landfill will pose no significant threat to public health or the environment. All entries should be typed or printed in ink. If additional space is needed, separate, properly identified sheets of paper may be attached. All blanks shall be filled or marked as not applicable.

Facility Type:

Sanitary Landfill:

- ☐ Class I, more than 50 cy or 20 tons waste/day
☐ Class II, less than 50 cy or 20 tons waste/day
☐ Class III:
☐ trash/yard trash

Volume Reduction:

- ☐ Composting
☐ Transfer Station
☐ Shredder
☐ Incinerator/Trench Burner
☐ Resource Recovery: ☐ Energy ☐ Materials

Sludge Landspreading:

- ☐ Grade II

FACILITY NAME: _____

FACILITY LOCATION (main entrance): _____

S _____, T _____, R _____ / Latitude _____° _____' _____" Longitude _____° _____' _____"

Applicant Name (operating authority): _____

Street Address (include P. O. Box): _____

city county zip

Contact Person: _____

Name

phone number

Authorized Agent/Consultant: _____

Name

phone number

Mailing Address: _____

city

county

zip

Contact Person: _____

name

phone number

Landowner (if different than applicant): _____

Address of Landowner: _____

street, P. O. Box

city

state

zip

**REQUIRED ATTACHEMENTS FOR CLOSURE OF A
RESOURCE RECOVERY AND MANAGEMENT FACILITY**

LANDFILL:

Permit applications and supporting information shall include the following (17-7.030(2), F.A.C.):

Completeness Check

1. A letter of transmittal to the Department; (17-7.030(3)(a), F.A.C.) _____
2. A table of contents listing the main sections of the application: (17-7.030(3)(a), F.A.C.) _____
3. The permit fee specified in Florida Administrative Code Rule 17-4.05 in check or money order payable to the Department: (17-7.030(3)(c), F.A.C.) _____
4. Six copies, at minimum, of the completed application form, all supporting data, and reports; (17-7.030(2), F.A.C.) _____
5. Engineer certification; (17-7.030(3)(g), and 17-7.073(8), F.A.C.) _____
6. Engineer's letter of appointment if applicable; (17-7.030(3)(e), F.A.C.) _____
7. Closure plan as required in Florida Administrative Code Rule 17-7.073. A copy of a Department letter of approval of the landfill groundwater monitoring plan, or a copy of the letter of transmittal of the groundwater monitoring plan to the Department may be included in the closure plan in lieu of the groundwater monitoring plan document. _____
8. Copy of any lease agreement, transfer of property agreement with right of entry for long-term care, or any other agreement between operator and property owner by which the closing and long-term care of the facility may be affected; (17-7.030(3)(h) and 17-7.073(3)(4), F.A.C.) _____

ATTACHMENT ITEMS

The following information items must be included in the application or an explanation given if they are not applicable.

CLOSURE PLAN REQUIREMENTS (17-7.073), F.A.C.)

1. General Landfill Information Report
(17-7.073(1), Florida Administrative Code)
 - a. Identification of the landfill (17-7.073(1)(a), F.A.C.) _____
 - b. Name, address, and phone number of primary contact person.
(17-7.073(1)(b), F.A.C.) _____
 - c. Name of persons or consultants preparing closure plan
(17-7.073(1)(c), F.A.C.) _____
 - d. Name of landfill property owners and landfill operator
(17-7.073(1)(d), F.A.C.) _____
 - e. Locations of main entrance or operators office of the landfill
by: township, range, and section and latitude and longitude.
(17-7.073(1)(e), F.A.C.) _____
 - f. Total acreage: of waste disposal area and landfill property
(17-7.073(1)(f), F.A.C.) _____
 - g. Legal Description of landfill property (17-7.073(1)(g), F.A.C.) _____
 - h. History of landfill construction and operations (17-7.073(1)(h), F.A.C.) _____
 - i. Identity of types of waste disposal of in completed landfill
(17-7.073(1)(i), F.A.C.) _____

2. Area Information Report
(17-7.073(2), F.A.C.)

Completeness Check

- a. Topography (17-7.073(2)(a), F.A.C.)
- b. Hydrology (17-7.073(2)(b), F.A.C.)
- c. Geology (17-7.073(2)(c), F.A.C.)
- d. Hydrogeology (17-7.073(2)(d), F.A.C.)
- e. Ground and surface water quality (17-7.073(2)(e), F.A.C.)
- f. Land use information (17-7.073(2)(f), F.A.C.)

3. Groundwater Monitoring Plan Containing Site Specific Information
(17-7.073(3) and 17-4.245(6)(d), F.A.C.)

4. Gas Migration Investigation
(17-7.073(4), F.A.C.)

5. Assessment of the Effectiveness of Existing Landfill Design and Operation
(17-7.073(5), F.A.C.)

- a. Effectiveness and results of groundwater investigation (17-7.073(5)(a), F.A.C.)
- b. Effects of surface water runoff, drainage patterns and existing storm water controls (17-7.073(5)(b), F.A.C.)
- c. Extent and effects of methane gas migration (17-7.073(5)(c), F.A.C.)
- d. Type and condition of existing cover and effectiveness as leachate control mechanism. (17-7.073(5)(d), F.A.C.)
- e. Nature and characteristics of wastes disposed of at the landfill. (17-7.073(5)(e), F.A.C.)

6. Closure Design Plan
(17-7.073(6), F.A.C.)

- a. Phasing of site closing. (17-7.073(6)(a), F.A.C.)
- b. Existing topography and proposed final grades. (17-7.073(6)(b), F.A.C.)
- c. Final cover installation plans. (17-7.073(6)(c), F.A.C.)
- d. Proposed method of leachate control. (17-7.073(6)(c), F.A.C.)
- e. Compliance with groundwater protection requirements of 17-4.245 and 17-4.246, F.A.C. (17-7.073(6)(e), F.A.C.)
- f. Proposed method of gas and odor control. (17-7.073(6)(f), F.A.C.)
- g. Proposed method of stormwater control. (17-7.073(6)(g), F.A.C.)
- h. Proposed method of access control. (17-7.073(6)(h), F.A.C.)
- i. Proposed final use of landfill property. (17-7.073(6)(i), F.A.C.)

7. Closure Operation Plan
(17-7.073(7), F.A.C.)

- a. Describe actions which will be taken to close the landfill.
(17-7.073(7)(a), F.A.C.)
- b. Time schedule for completion of closure and long term care.
(17-7.073(7)(b), F.A.C.)
- c. Proposed method of demonstrating financial responsibility for long term monitoring and maintenance. (17-7.073(7)(d), and 17-7.077(2)(i), F.A.C.)
- d. Equipment and personnel needs to complete closure.
(17-7.073(7)(e), F.A.C.)

REQUIREMENTS FOR LONG TERM CARE (17-7.075, F.A.C.)

1. Establish Long Term Care Period From Date of Closing.
(17-7.075(1) and 17-7.074(5), F.A.C.)
2. Acquire Right of Access Agreement Between Operator and Property Owner for Closing and Long-Term Care.
(17-7.075(3) and 17-7.077(2)(h), F.A.C.)

REQUIREMENTS FOR PROOF OF FINANCIAL RESPONSIBILITY (17-7.076, F.A.C.)

1. Closure Cost Estimates
(17-7.076(1), F.A.C.)



Florida Department of Environmental Regulation

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

DER Form #	17-709.900(1)
Ap. for a Permit to Construct/Operate	
Form Title	A Solid Waste Man. Fac. for the Prod. of Compost
Effective Date	November 21, 1999
DER Application No.	(Filed in by DER)

Application for a Permit to Construct ☐ Operate ☐ A Solid Waste Management Facility for the Production of Compost

General Requirements

Solid Waste Management Facilities for the production of compost shall be permitted pursuant to Section 403.707, Florida Statutes, and in accordance with Rule 17-709, Florida Administrative Code. A minimum of six copies of the application shall be submitted to the Department District Office having jurisdiction over the facility. Complete appropriate sections for the type of facility for which application is made. Entries should be typed or printed in ink. All blanks should be filled in or marked not applicable. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to support the application is listed on the attached pages of this form.

Facility Type: ☐ Existing ☐ Proposed

Materials Processed: ☐ Yard Trash ☐ Manure ☐ Other Solid Wastes ☐ Other Solid Wastes with Sludge

1. a. Facility Name: _____
b. Facility Location (main entrance): _____
Section _____, Township _____, Range _____ Latitude _____ ° _____ ' _____ " Longitude _____ ° _____ ' _____ "
2. a. Applicant Name (operating authority): _____
b. Address: _____
Street PO Box City State Zip Code
c. Contact Person: _____
Name Telephone Number
3. a. Authorized Agent/Consultant: _____
Name Telephone Number
b. Address: _____
Street PO Box City State Zip Code
c. Contact Person: _____
Name Telephone Number
4. a. Landowner (if different than applicant): _____
b. Address: _____
Street PO Box City State Zip Code
5. Estimated Cost of Construction, Total: \$ _____
6. Anticipated Construction Starting and Completion Dates From: _____ To: _____

DER Form #	17-709.500(1)
Ap. for a Permit to Construct, Operate	
Form Title	A Solid Waste Man. Fac. for the Prod. of Compost
Effective Date	November 21, 1989
DER Application No.	
	(Filed in by DER)

Completeness
Check

2. **Facility Performance and Design Standards** (17-709.500, F.A.C.)
 - a. Support for operation (17-709.500(1), F.A.C.)
 - (1) Material type (soil, synthetic, other)
 - (2) Adequate base support
 - b. Leachate control and removal system performance (17-709.500(6), F.A.C.)
 - (1) Construction materials
 - (2) Strength and thickness
 - (3) Measures to prevent clogging
 - (4) Central collection point for reuse, or treatment and disposal
 - (5) Equivalency to design standards
 - c. Stormwater management system performance (17-709.500(3), F.A.C.)
 - (1) Prevention of surface water flowing onto receiving, processing, and curing (if any) areas
 - (2) Stormwater run-off controls; retention, detention ponds
 - (3) Equivalency to design standards
 - (4) Design to minimize ponding of solid waste, composting material and finished compost
 - (5) Water management district approval
3. **Operational Features and Appurtenances** (17-709.500(4), F.A.C.)
 - a. Effective barrier
 - b. All weather access road
 - c. Signs indicating name of operating authority, traffic flow, hours of operation, contact in cases of emergencies and charges (if any)
 - d. Scales
 - e. Dust control method
 - f. Litter control devices (if needed)
 - g. Fire protection and control provisions
 - h. Odor control devices, methods or practices
4. **Additional Operation Criteria** (17-709.510(c), F.A.C.)
 - a. Attendant
 - b. Communication devices
5. **Operations Plan** (17-709.500(5), F.A.C.)
 - a. Designation of responsible person(s)
 - b. Proposed equipment
 - c. Contingency operations
 - d. Controlling the type of waste received at the site;
 - e. Weighing incoming waste
 - f. Vehicle traffic control and unloading
 - g. Method and sequence of processing the waste
 - h. Operations of leachate, and stormwater controls
 - i. Designation of backup disposal site(s)
6. **Water Quality Standards** (17-709.500(3) & (6)(c), F.A.C.)
 Describe how surface runoff and leachate will be handled to meet water quality standards of Florida Administrative Code Rules 17-3 and 17-4
7. **Compost Facility Data Form**
8. **Certification by Applicant and Engineer or Public Officer**

DER Form # 17-708.900(1)
Ap. for a Permit to Construct, Operate
Form Title: A Solid Waste Man. Fac. for the Prod. of Compost
Effective Date: November 21, 1989
DER Application No. _____ (Filed in by DER)

Compost Facility Data Form

Permit No.: _____ Issue Date: _____ Expires: _____

Facility No. (DER identification): _____

DER Action: ☐ Add ☐ Delete ☐ Change ☐ Deactivate Site ☐ Other

1. County		2. Facility Name	
3. Date Form Completed		4. Facility Address	
4a. Facility Phone Number		4b. Facility Site Supervisor	
5. Facility Type <input type="checkbox"/> Composting <input type="checkbox"/> In-vessel <input type="checkbox"/> Static Pile <input type="checkbox"/> Windrow <input type="checkbox"/> Other. Describe _____			
6. Month/Year Begun		7. Area within Site Boundary _____ Acres	
		8. Area within Property Boundary _____ Acres	
9. Security to Prevent Unauthorized Use <input type="checkbox"/> Yes <input type="checkbox"/> No		10. Weighing Scales <input type="checkbox"/> Yes <input type="checkbox"/> No	
11. Waste Processed Per Operational Day _____ tons			
12. Maximum Processing Rate _____ tons/day			
13. Charge/ton		14. Days Operated S M T W T F S	
		15. Hours/Day Operated	
16. Types of Waste Received <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Agricultural <input type="checkbox"/> Septic Tank <input type="checkbox"/> Sludge <input type="checkbox"/> Yard Trash <input type="checkbox"/> Sewage Sludge <input type="checkbox"/> Other _____			
17. Leachate Recycled <input type="checkbox"/> Yes <input type="checkbox"/> No		17a. Treatment Method Used	
17b. Discharges to: <input type="checkbox"/> Surface Waters <input type="checkbox"/> Underground		17c. Class Receiving Water	
18. Final Residue is _____ % of waste intake		18a. Residue is disposed of at (site name)	
19. Surface Runoff Collected <input type="checkbox"/> Yes <input type="checkbox"/> No		19a. Type of Runoff Treatment	
		19b. Class of Receiving Waters	
20. Number of Staff		21. Attendant <input type="checkbox"/> Yes <input type="checkbox"/> No	
22. Name and Title of Person Completing Form			

Note: All blanks for the numbered items must be filled or marked as not applicable.

DER Form #	17-709.900(1)
Ap. for a Permit to Construct, Operate	
Form Title A Solid Waste Man. Fac. for the Prod. of Compost	
Effective Date	November 21, 1989
DER Application No.	(Filled in by DER)

Certification by Applicant and Engineer or Public Officer

A. Applicant

The undersigned applicant or authorized representative of _____
 is aware that statements made in this form and attached information are an application for a _____
 Permit from the Florida Department of Environmental Regulation and certifies that
 the information in this application is true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to comply
 with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable,
 and, the Department will be notified prior to the sale or legal transfer of the permitted facility.

 Signature of Applicant or Agent

 Name and Title

Date: _____

Attach letter of authorization if agent is not a governmental official,
 owner, or corporate officer.

B. Professional Engineer Registered in Florida or Public Officer as Required in Section 403.707 and 403.7075, Florida Statutes

This is to certify that the engineering features of this solid waste management facility have been designed/examined by me and found to conform
 to engineering principals applicable to such facilities. In my professional judgement, this facility, when properly maintained and operated, will com-
 ply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant
 with a set of instructions of proper maintenance and operation of the facility.

 Signature

 Name and Title (please type)

Florida Registration No. _____
 (please affix seal)

 Mailing Address

 City, State, Zip Code

Telephone No. _____

Date: _____

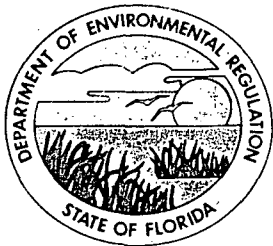
Construction Cost Estimate: _____

Permit Number: _____

Issue Date: _____

Review Date: _____

Expiration Date: _____



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

February 20, 1992

Mr. John Springstead, P.E.
Springstead Engineering
727 South 14th Street
Leesburg, FL 34748

Re: Sumter County Composting Facility
SC60-132071
Class I Landfill (Closed)
SF60-146475

Dear Mr. Springstead:

In response to your February 14, 1992 letter, the following is a list of what you must submit for obtaining the required permits for your facility:

1. Apply for a construction permit for the proposed expansion of the composting facilities. Fee is \$5000.00
2. Apply for an operation permit for composting to replace the related modification of permit SC60-132071 that expires June 1, 1992. Fee is \$3000.00.
3. Apply for a construction permit for the proposed revised leachate treatment facilities. Fee is \$1000.00.
4. Apply for an operation permit for the resource recovery facilities used for segregating and shredding waste. Fee is \$1000.00.
5. Apply for a general permit for storing waste tires. Fee is \$100.00.
6. Apply for a long-term care permit for the closed Class I landfill to replace permit SF60-146475 to address continued groundwater monitoring, landfill maintenance and to identify findings or problems from past 5 years of monitoring and recommend any changes or improvements that may be necessary. Fee is \$1000.00.

Attached are the forms.

Mr. John Springstead, P.E.
Springstead Engineering

February 20, 1992
Page Two

The Department has also considered requiring a permit for a Class I landfill. In order to avoid this seemingly unnecessary exercise, documentation must be provided to indicate a reasonable time period for removal of all waste from the lined area and the County's clear intention to use this area for temporary contingency measures only. Furthermore, please describe all wastes not to be composted and what provisions are made for recycling or disposal. Since the type of operation has changed significantly from 5 years ago, a short summary in the beginning of forthcoming information is requested to help clear the way for a more expeditious review.

Please be advised that all required permit applications must be received by March 31, 1992 to comply with Department rules which is at least 60 days prior to June 1st, the expiration date of the current permit. Failure to submit permit renewal applications on time will subject the facility to possible enforcement action.

If you have any questions you may call me at (813) 620-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachments

cc: Garry Breeden, SCPW
Ric Gray, Amerecycle
Bob Butera, P.E., DER Tampa
Steve Morgan, DER Tampa