

Florida Department of Environmental Protection

Southwest District

3804 Coconut Palm Dr.

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Virginia Wetherell, Secretary

June 16, 1993

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

Re: Sumter Composting and Recirculation System
Construction Completion Inspection, June 14, 1993
SO60-211179

Dear Mr. Springstead:

As a result of the construction inspection of the subject facility by John Springstead and Mike Springstead of SEI, and Kim Ford of FDEP, the Certification of Construction Completion for the leachate recirculation system is approved. Operation of the compost facility is authorized by permit no. SO60-211179. The following comments are offered as clarification to the operation permit:

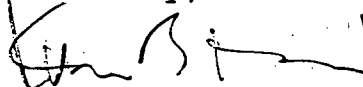
1. Records shall be kept as required by specific condition #1.
2. The emergency lined storage cell shall be emptied of all waste no later than December 16, 1994 as required by specific condition #1.
3. The stormwater/leachate ponds shall be emptied **but not cleaned**, and the liner inspected for degradation annually as required by specific condition #8. SEI has reported damage from cleaning only due to leaning on shovels, heavy or pointed objects placed on the liner, and lack of supervision. The County is requested to modify the final existing leachate pond to comply with the requirements of FAC Rule 17-701.400(6) and shall submit construction plans and specifications for a permit modification for the leachate surface impoundment no later than January 6, 1994.
4. A trained supervisor or foreman shall be responsible for maintaining the facility in an orderly, safe, and a sanitary manner. Sufficient personnel shall be employed to adequately operate the facility as required by specific condition #10. The Operation, Maintenance and Service Manual shall be kept complete and up-to-date including a description of current operational procedures, copies of all forms for record keeping, training procedures for new personnel, names and telephone numbers of responsible personnel including a description of duties for each, and a list of the auxiliary equipment required and description of use. FDEP requests the supervisor or foreman for the facility maintain a daily record of all activities associated with the start-up of the facility for the next 90 days. The daily records shall identify all problems that arise and shall be used to develop a comprehensive O&M Manual.

Additionally, the following items are listed for your consideration:

5. Improve the control panel to identify which sprayheads are operating with north orientation at the top of the diagram since the person at the panel faces north.
6. Determine the amount of leachate needed to bring the fluff to 60% moisture by sprayheads and by hose and by other methods, such as spreading fluff in layers on pad and soaking, followed by piling in windrows.
7. Determine the number of hours required to operate the sprayheads and windrow turner daily for normal operations.
8. Keep records of all leachate as requested by FDEP's March 22, 1993 letter to establish the actual reuse potential for the facility.
9. Correct the ramp into the lined emergency cell to go **down** into the cell to prevent leachate runoff outside the liner.
10. Lower the leachate in the lined emergency cell to within one foot of the bottom of the cell and set pump to maintain the maximum depth of one foot.
11. Install a wind and rain measuring device and install wind flags at several locations throughout the site for convenience. Determine the wind speed and direction for each sprayhead for maximum efficiency without drift.
NOTE: DRIFT IS NOT ALLOWED OUTSIDE THE COMPOST PAD AND IS A VIOLATION OF FDEP RULES.
12. Provide a hose for each compost pad.

If you have any questions, you may call me at (8141) 744-6100, extension 382.

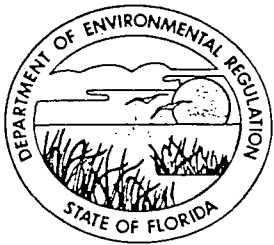
Sincerely,



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

KBF/ab
Attachments

cc: Garry Breeden, Sumter County Public Works
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa
Kathy Anderson, FDEP Tallahassee
Francine Joyal, FDEP Tallahassee



Florida Department of Environmental Regulation

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Lawton Chiles, Governor

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Tampa, Florida 33619

Virginia B. Wetherell, Secretary

MAR 22 1993

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

RE: Sumter County Landfill
Permit No. SO60-211179
Quantity Report

Dear Mr. Breeden:

The Department requests the following information and/or reports to be submitted prior to May 15, 1993. Please provide daily records from January 1, 1993 through April 1, 1993 for the following:

- * Quantities of leachate collected
- * Quantities of leachate stored or impounded
- * Quantities of leachate recirculated
- * Quantities of leachate hauled or piped to a wastewater treatment plant

This information will be evaluated by the Department. Design or operational changes may be needed to prevent unauthorized discharges or excessive head over lined disposal areas. If you have any questions, you may call me at (813) 744-6100 ext. 382.

Sincerely,

Kim B. Ford, P.E.

Solid Waste Section

Division of Waste Management

cc: Ric Gray, Amerecycle
Robert Butera, FDER Tampa
Steve Morgan, FDER Tampa
Kathy Anderson, FDER Tallahassee

LEACHATE MANAGEMENT IN S.W. DISTRICT

for 90 days in 1993 (rainfall amount varies, 6-13 inches)

Facility	Open Acres	Interm. Acres	Closed Acres	Leachate gal/acre/day	Collected	Impounded	Recirculated	T.P.	Evap.	Irrigation
Levy	4	3		773	487,530	*			*	367,900
Citrus	3	11	7	1506	1,898,000	*		1,898,000		
Sumter, compost				insufficient data (impoundment and recirculation)						
Hern. N.W.	4			787	283,500			283,500		
Hern. Croom			5	199	89,750			89,750		
E. Pasco	14		42	157	792,000			792,000		
W. Pasco	7			371	234,000			234,000		
Polk NC	20	26		69	287,800	*	262,800	25,000	5,256	
Polk SE	8	10		843	1,366,000	*	1,206,000	160,000	24,120	
Polk NE	4	10		404	509,800	*	349,800	160,000	6,996	
Hills. SE	80	84	18	165	2,708,789		604,000	2,104,789	12,080	
DJJ	9	7			*	2,050,000	1,697,100		33,942	
Bridgeway Acres				insufficient data (evaporation in cooling towers)						
Toytown			215	201	3,900,000	*		3,900,000		
126th Ave.	12			insufficient data (impoundment in landfill)						
Manatee	5	212		274	5,352,000	7,780,000		32,049,000		
Hardee	10	3		insufficient data (irrigation sprayfield)						
Desoto	3	5		1336	961,606	584,000	717,563	647,288	345,654	
Sarasota	71	49	100	545	32,621,400	87,000,000	8,780,000		175,600	

Collected : pump hours x pump capacity

Impounded : average amount impounded

Recirculated : all amounts distributed inside lined cells

T.P. : amount hauled or piped to treatment plant

Evap. : evaporation @ 2% of amount recirculated

unless other specific information is provided

Irrigation : spray irrigation outside lined cells

* : applicable information not provided