

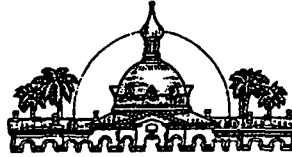
HILLSBOROUGH COUNTY

Florida

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January 13, 1995

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Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

Mr. Steven G. Morgan
Section Supervisor
Solid Waste Compliance/Enforcement
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: Southeast County Landfill - Leachate Management Plan Status Report

Dear Mr. Morgan:

The Hillsborough County Department of Solid Waste (DSW) is providing the following information to the Florida Department of Environmental Protection (DEP) as a status report on our December 15, 1994 proposed Leachate Management Plan (Plan), including the December 16, 1994 supplemental information on the Plan, for the County's Southeast County Landfill (Landfill).

A status of the key points of the Plan are outlined below in the order presented in the DSW's December 15, 1994 letter.

1. **Increased leachate removal**

Since December 19, 1994, the DSW has increased its own leachate hauling from 3 loads per day, 5 days per week to 9 loads per day, 6 days per week. The total quantity of leachate removed by the DSW from December 19, 1994 through January 12, 1995 is 1,233,459 gallons. On December 19, 1994, contract hauling was increased from 10 to 11 loads per day, 6 days per week. The Contractor removed 1,363,700 gallons from December 19, 1994 through January 12, 1995. Over the 22 day period, the total leachate removed from the Landfill was 2,597,159 gallons.

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Although the DSW's proposed Plan anticipated increasing the contract hauling to 15 loads per day, the Contractor has been unable to secure a second vehicle to perform the additional four loads per day. While the DSW continues to pursue having the Contractor commit to providing 15 loads per day, monitoring of the leachate collection and pump system have indicated that collection of the additional loads may not be achievable. This issue is further addressed in the discussion of the sump levels.

2. Operation of the Leachate Treatment and Reclamation Facility (LTRF)

On December 22, 1994, the LTRF contractor, Great Monument Construction Company (GMCC), submitted analytical data to the DSW demonstrating that the LTRF has met the effluent standards as outlined in the Contract Documents between the DSW and GMCC. SCS Engineers has completed the Certification of Construction Completion and has submitted the information to Kim Ford of the DEP to schedule an inspection of the LTRF with the DSW and SCS Engineers. On January 12, 1995, the DSW issued the Certification of Substantial Completion to GMCC. The DSW anticipates that effluent spray irrigation will be initiated during the week of January 16, 1995.

3. Landfill stormwater management

The Landfill contractor, Waste Management Inc. of Florida (WMI) continues to maintain the Landfill systems so as to minimize the amount of stormwater which must be managed as leachate.

4. Aggressive leachate level monitoring

As discussed in the DSW's proposed plan, the DSW has improved the monitoring of the leachate level at the Landfill sump by reporting a daily reading of Pump Station No. 3 to the administrative office. For your information, the daily readings from December 19, 1994 through January 12, 1995 are provided as Attachment I. As can be seen from the data, the leachate level within the sump has been reduced. Based on the leachate sump levels, the DSW has determined that the leachate removal rate is greater than the flow rate from the Landfill into the sump.

In addition, the DSW has monitored the cycling of the pump to determine the need to alter the pump floats to maximize the leachate removal rate from Pump Station No. 3. Based on this monitoring, the DSW has positioned the pump off float to approximately 12 inches above the bottom of the sump. The on float was positioned 12 inches above the pump off float. This float adjustment should allow continuous operation of the pump without cycling (on and off).

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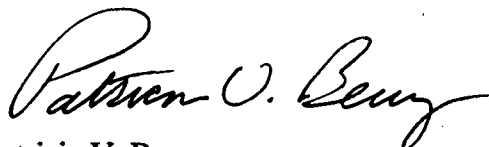
On January 2, 1995, the DSW also began monitoring GMCC's records on the leachate level within the 500,000 leachate storage tank. This information is provided as Attachment II. In addition, as requested by the DEP, on January 13, 1995 the DSW initiated the monitoring of leachate levels within Phases III and IV. The monitoring is performed in the locations identified by the DEP during the January 11, 1995 site visit. The DSW will provide this information, along with an update of the other leachate readings, to the DEP prior to the January 31, 1995 meeting.

With reference to the DSW's December 16, 1994 correspondence regarding supplemental information for the proposed Leachate Management Plan, the following update is provided.

The DSW has submitted its request to the County's Budget Department for authorization to purchase a new pump for Pump Station No. 3 and a direct-read leachate level meter for the Pump Station. Once this authorization is received, the DSW will be presenting a budget amendment to the Board of County Commissioners for authorization to procure the pump and the meter.

Should you have any additional questions concerning this matter at this time, please call at 276-2908.

Sincerely,



Patricia V. Berry
Landfill Services Section Manager
Department of Solid Waste

Attachments

xc: Daryl H. Smith, DSW
Kim Ford, DEP
Steve Hamilton, SCS
Paul Schipfer, EPC

ATTACHMENT I

**SOUTHEAST COUNTY LANDFILL
PUMP STATION NO. 3
LEACHATE LEVELS**

December 1994 Sump Readings		January 1995 Sump Readings	
12/19	6.9	1	4.3
12/20	6.5	2	5.6
12/21	8.3	3	5.9
12/22	7.9	4	6.3
12/23	6.4	5	5.8
12/24	6.2	6	5.4
12/25	Holiday	7	5.4
12/26	Holiday	8	5.4
12/27	5.8	9	5.5
12/28	5.8	10	5.2
12/29	5.7	11	5.4
12/30	5.6	12	5.3
12/31	4.6		

ATTACHMENT II

**SOUTHEAST COUNTY LANDFILL
500,000 GALLON LEACHATE STORAGE TANK
RAW LEACHATE FLUID LEVELS**

Date	Feet	Gallons
1/1/95	Sunday	Sunday
1/2/95	High level overflow	500,000 +
1/3/95	12	360,000
1/4/95	10.5	315,000
1/5/95	10	300,000
1/6/95	9	270,000
1/7/95	Saturday	
1/8/95	Sunday	
1/9/95	10	300,000
1/10/95	9	270,000
1/11/95	9	270,000
1/12/95	8	240,000