

INTEROFFICE MEMORANDUM

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Date: 16-Dec-1994 11:44am EST  
From: Kim Ford TPA  
FORD K  
Dept: Southwest District Offi  
Tel No: 813/620-6100  
SUNCOM: 542-6100 Ext. 382

TO: Robert Butera TPA ( BUTERA\_R )  
CC: William Kutash TPA ( KUTASH\_W )  
CC: Steve Morgan TPA ( MORGAN\_S )

Subject: SE LANDFILL DECEMBER 15TH & 16th LETTERS

These letters address the existing leachate management problems at the SE Landfill and corrective actions. The December 15th letter comes from Daryl Smith and the December 16th letter comes from Patricia Berry, both of Hillsborough County. Basically his letter states that the County has an agreement for off-site treatment for up to 200,000 gpd of leachate from the SE Landfill, but the existing pump will only remove 150,000 gpd and the BOCC has not approved funding for the increased hauling. Her letter provides clarification and indicates that 51 million gallons of leachate are impounded inside the landfill to a depth of 7 feet. The big question continues to be: Is this all they can do?

1. DSW should propose a larger pump to facilitate removal of at least 200,000 gpd, which is the amount that can be accepted at off-site WWTPs.
2. DSW should propose to drain the LCRS dry, not just to a depth of 3.6 feet or 12 inches over the bottom liner.
3. DSW should obtain all off-site WWTP agreements for the entire period of time required to drain the LCRS dry, not only until September 1995. SCS indicates draining the system may take more than 15 months. The actual rate that leachate is generated from the landfill should be determined.
4. DSW should propose to monitor all drainage along the interim berm between Phases 5 & 6. According to the County, the current leachate flow rate into the sump is 280,000 gpd and up to seven feet of leachate is impounded against the interim berm that is lined with a 36 mil synthetic liner. Recent CQA records indicate problems with the solvent-welded seams.

The County and its engineer have been advised by phone that a Consent Agreement is necessary prior to issuing the pending operation permit renewal. DEP has not approved of the County's plans but has advised them to begin hauling additional leachate to correct the existing problems.

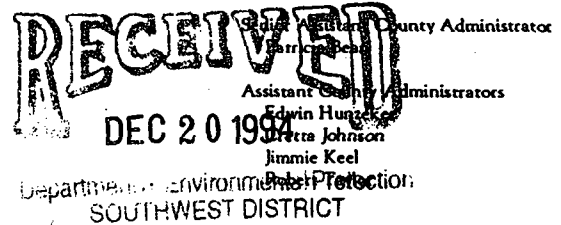
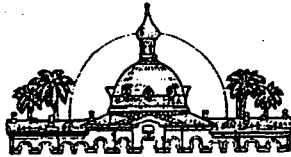
# HILLSBOROUGH COUNTY

Florida

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December 16, 1994

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 Supplemental Information

Dear Mr. Morgan:

As discussed during our telephone conversation on this date, the Department of Solid Waste (DSW) is providing the following supplemental information to our December 15, 1994 proposed Leachate Management Plan for the County's Southeast County Landfill (Landfill).

As a point of clarification, the DSW proposes to increase the contracted leachate hauling rate from 10 to 15 loads per day, not 13 loads as indicated in the previous correspondence. This hauling rate will provide for the removal of approximately 93,000 gallons per day (gpd). To achieve the 150,000 gpd proposed removal rate, the DSW will increase its own hauling from 3 to approximately 9 loads per day, providing the removal of the additional 57,000 gpd. This hauling rate will involve running a two-shift schedule and possibly leasing a second tanker.

Further, the DSW is seeking authorization to purchase a new sump pump for Pump Station No. 3. Since the existing pump is seven years old and may not withstand operation at the higher proposed pumping rate, the DSW is evaluating purchasing and installing a new pump with a higher maximum flow rate. Under this proposal, the existing pump would be retained on-site to serve as a backup pump.

To provide additional quality control of the leachate level monitoring, the DSW is also evaluating the purchase and installation of a mechanical, direct-read leachate level meter to provide accurate monitoring of the leachate levels in Pump Station No. 3.

Mr. Steven Morgan  
December 16, 1994  
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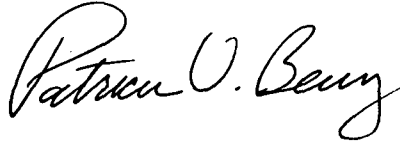
As we discussed, the DSW's landfill engineering consultant, SCS Engineers, has calculated that the volume of leachate currently stored in the Landfill is approximately 51 million gallons, with 14.7 million gallons in the first foot of leachate, and 36.3 million gallons above the one foot level. This estimate is based on using an average current leachate depth of 7 feet at Pump Station No. 3 and assuming a sump bottom elevation of 118.5 feet National Geodetic Vertical Datum (NGVD).

With reference to the questions raised by the DEP concerning additional pumping points and a higher pump rate, the DSW and SCS Engineers will continue to evaluate the feasibility of additional pumping beyond the 150,000 gpd. We will be prepared to discuss these and other related issues at the meeting to be scheduled for the week of January 9, 1995 between the DSW, SCS Engineers and the DEP. In the interim, the DSW will proceed to implement those portions of the Leachate Management Plan which do not require County Administration and Board of County Commission approval.

The DSW will be contacting the DEP after January 2, 1995 to establish a meeting date for the second week of January.

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

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

I N T E R O F F I C E   M E M O R A N D U M

Date: 15-Dec-1994 12:02pm EST  
From: Kim Ford TPA  
FORD K  
Dept: Southwest District Offi  
Tel No: 813/620-6100  
SUNCOM: 542-6100 Ext. 382

TO: See Below

Subject: SE LANDFILL RECORDS/NOVEMBER 1989-NOVEMBER 1994

These records were submitted by Waste Management to DEP on December 14, 1994, and include the leachate levels in the Phase IV sump for the past 5 years. Each daily log is initialed by Greg Walk of Waste Management and signed by Matt Mathews of Hillsborough County.

These logs show the leachate levels in the "sump", actually the pump station just outside of Phase IV, range from 4 to 7 feet. Each log from January 24, 1990 through November 8, 1994 state "PROBLEMS OBSERVED: LEACHATE LEVEL IN PHASE IV SUMP". Each log from August 20, 1990 through July 1, 1994 also state "CORRECTIVE ACTION: COUNTY NEEDS TO INCREASE REMOVAL AND OFF-SITE TREATMENT OF LEACHATE".

The logs show that when suitable weather and site conditions existed, leachate was recirculated. Quantities recirculated range from 17,000-59,000 gpd from 1990 to 1993, 8,000-34,000 gpd in 1993, and 0 gpd in 1994.

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In a phone conversation with Matt Mathews on December 15, 1994, he said leachate levels were measured at 7 pm (after daily pumping) until November 23, 1994, but are now measured at 5 am (before daily pumping).

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In a phone conversation with Bob Gardner of SCS on December 15, 1994, he said that up to 175,000 gpd of leachate can be removed from the landfill and the County is obtaining a modification that will allow them to dispose of this quantity daily at the Falkenburg WWTP for an interim period. He said it is his intention for the County to pump the LCRS until it is dry. I asked if it would take longer than 3 months. He said yes it would take longer than 3 months.

cont...

In our phone conversation I explained to Bob that DEP does not issue permits for facilities that are not in compliance and that some kind of enforcement document with deadlines and penalties for missing those deadlines would be needed. He said technically there is no problem because of the landfill's design and upward gradient, and leachate had not reached the sideliner. I explained that leachate is over the sideliner (which is part of the bottom liner system) between Phases IV and VI, and between Phases III and VI, and is not in compliance. He said he would look into it. I told him a letter requesting more information for the pending permit is coming and suggested we meet in January to discuss the issues.

**Distribution:**

TO: Robert Butera TPA	( BUTERA_R )
CC: William Kutash TPA	( KUTASH_W )
CC: Steve Morgan TPA	( MORGAN_S )
CC: Stephanie Hinson TPA	( HINSON_S )
CC: Allison Amram TPA	( AMRAM_A )
CC: Susan Pelz TPA	( PELZ_S )