



Hillsborough County
Florida

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Patricia G. Bean

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April 13, 2006

Dept. of Environmental
Protection

APR 14 2006

Ms. Susan J. Pelz, P.E.
Solid Waste Permitting
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Pkwy
Temple Terrace, Florida 33637

Southwest District

RE: Southeast County Landfill – Leachate Data Quarterly Report

Dear Ms. Pelz:

In accordance with Specific Conditions No. 16 of Permit No. 35435-006-SO, the Solid Waste Management Department (SWMD) is submitting the quarterly Leachate Water Balance submittal for the Southeast County Landfill for the quarter ending April 15, 2006.

The data is being submitted as separate monthly reports for January, February and March 2006. The information includes the leachate level in Pump Station B (PS-B). PS-B was below the 24-inch normal operation level during this quarter except for January 7 and February 22, 2006.

Also attached is the top of the phosphatic clay liner elevation at the Pump Station B Sump.

Please advise should you have any questions concerning the attached submittal.

Sincerely,

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

Attachment

xc: Larry Ruiz, SWMD
Walter Gray, SWMD
Rich Siemering, JEA
Paul Schipfer, EPC

**TABLE 1. APPROXIMATE TOP OF CLAY ELEVATIONS
PUMP STATION B SUMP
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FL**

| DATE | NW | NE | SE | SW |
|---------------------------------|--------|--------|--------|--------|
| March 3, 1999 | 115.65 | 115.63 | 115.66 | 115.62 |
| May 4, 1999 | 115.63 | 115.59 | 115.63 | 115.58 |
| July 28, 1999 | 115.49 | 115.46 | 115.49 | 115.45 |
| September 17, 1999 ² | 115.59 | 115.55 | 115.65 | 115.56 |
| November 11, 1999 | 115.44 | 115.40 | 115.50 | 115.31 |
| January 3, 2000 | 115.31 | 115.26 | 115.36 | 115.17 |
| March 30, 2000 | 115.39 | 115.35 | 115.45 | 115.26 |
| July 5, 2000 ³ | 114.85 | 114.82 | 114.90 | 114.71 |
| October 5, 2000 | 114.83 | 114.78 | 114.87 | 114.67 |
| April 6, 2001 | 114.35 | 115.33 | 114.33 | 114.29 |
| April 18, 2001 ² | 114.15 | 114.59 | 114.17 | 114.07 |
| August 8, 2001 | 114.34 | 115.31 | 114.32 | 114.28 |
| September 19, 2001 ² | 113.78 | 114.20 | 113.79 | 113.69 |
| December 18, 2001 | 113.63 | 114.02 | 113.62 | 113.52 |
| March 29, 2002 | 113.22 | 113.58 | 113.21 | 113.10 |
| August 15, 2002 ² | 112.67 | 113.04 | 112.64 | 112.58 |
| February 1, 2003 | 112.08 | 112.46 | 112.04 | 111.99 |
| May 1, 2003 | 111.78 | 112.19 | 111.80 | 111.71 |
| September 2, 2003 | 111.56 | 111.92 | 111.54 | 111.46 |
| December 1, 2003 | 111.44 | 111.80 | 111.42 | 111.34 |
| April 1, 2004 | 111.30 | 111.66 | 111.29 | 111.20 |
| July 31, 2004 | 111.04 | 111.41 | 111.04 | 110.94 |
| December 1, 2004 | 111.09 | 111.45 | 111.10 | 111.00 |
| March 1, 2005 | 111.01 | 111.38 | 111.02 | 110.92 |
| June 2, 2005 | 110.93 | 111.30 | 110.95 | 110.85 |
| October 1, 2005 | 110.65 | 111.01 | 110.65 | 110.55 |
| February 1, 2006 | 110.67 | 111.03 | 110.69 | 110.58 |

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Notes:

1. Vertical Datum based on feet NGVD 1929.
2. WMI extended the rods of the settling plates.
3. Benchmarks used in March 30, 2000 survey were found to have settled; elevations shown for July 5, 2000 were tied into new benchmarks.



PICKETT

SURVEYING & PHOTOGRAMMETRY

REPORT OF SURVEY

NOTE: THIS REPORT IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

PICKETT & ASSOCIATES, PROJECT NO.: 12131-1

DRAWING NO: N/A

TITLE/TYPE OF SURVEY: SPECIFIC PURPOSE SURVEY

DATE OF SURVEY: 2/01/06

SUBJECT: SOUTHEAST HILLSBOROUGH COUNTY LANDFILL SITE

CLIENT: WASTE MANAGEMENT, INC. OF FLORIDA

| PIPE | NORTHING | EASTING | ELEVATION | DESCRIPTION |
|------|-----------|----------|-----------|----------------|
| SW | 1251010.3 | 596333.8 | 173.11 | Top of 4" pipe |
| | | | 172.81 | Top of 1" pipe |
| SE | 1251004.7 | 596339.5 | 173.22 | Top of 4" pipe |
| | | | 173.00 | Top of 1" pipe |
| NE | 1251014.2 | 596344.4 | 173.40 | Top of 4" pipe |
| | | | 172.94 | Top of 1" pipe |
| NW | 1251014.5 | 596336.5 | 172.80 | Top of 4" pipe |
| | | | 172.84 | Top of 1" pipe |

METHODOLOGY AND ACCURACY STATEMENT:

The top of the 4" pipe located at the northwest corner of the vault was used as a benchmark and surveyed with RTK GPS and was observed at least twice with a new initialization between each observation. Observation time at that point did not exceed 10 minutes. This point has an estimated horizontal positional accuracy of 0.08' or less and a vertical positional accuracy of 0.10' or less.

DATUM:

HORIZONTAL: North and the Coordinates are based on the West Zone of the Florida State Plane Coordinate System, NAD 83 1990 adjustment and are based upon provided control referenced to Hillsborough County Horizontal Control Monument LW-E (PID AG8960) and LW-D (PID AG8959).

VERTICAL: Elevations are to National Geodetic Vertical Datum of 1929 and are based upon provided control referenced to Hillsborough County Horizontal Control Monument LW-D (PID AG8959), elevation is 118.68' from Hillsborough County's Vertical Control Network.


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1 of 2

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NOTES:

The quarterly Specific Purpose Survey was prepared to show the existing conditions of the above ground pipes coming from the vault located at the above referenced landfill.



Gregory A. Prather, P.L.S.
Florida Registration No. 5135
Pickett & Associates, Inc.
Florida Registration No. 364

2/1/06
Survey Date

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