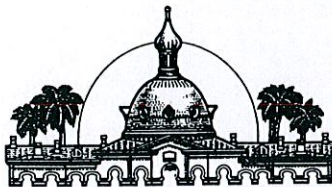


100494  
leachate quantity



Hillsborough County  
Florida

Office of the County Administrator  
Patricia G. Bean

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April 16, 2007

Dept. of Environmental  
Protection

APR 16 2007

Southwest District

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

41193

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, 2007.

The data is being submitted as separate monthly reports for January, February, and March 2007. 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 29 due to pump malfunctions. These malfunctions were immediately corrected.

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  
Joe O'Neill, JEA  
Paul Schipfer, EPC

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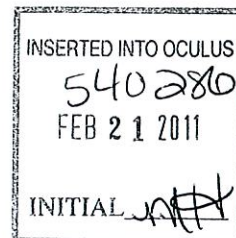


TABLE 1. APPROXIMATE TOP OF CLAY ELEVATIONS  
PUMP STATION B SUMP  
SOUTHEAST COUNTY LANDFILL

APR 16 2007

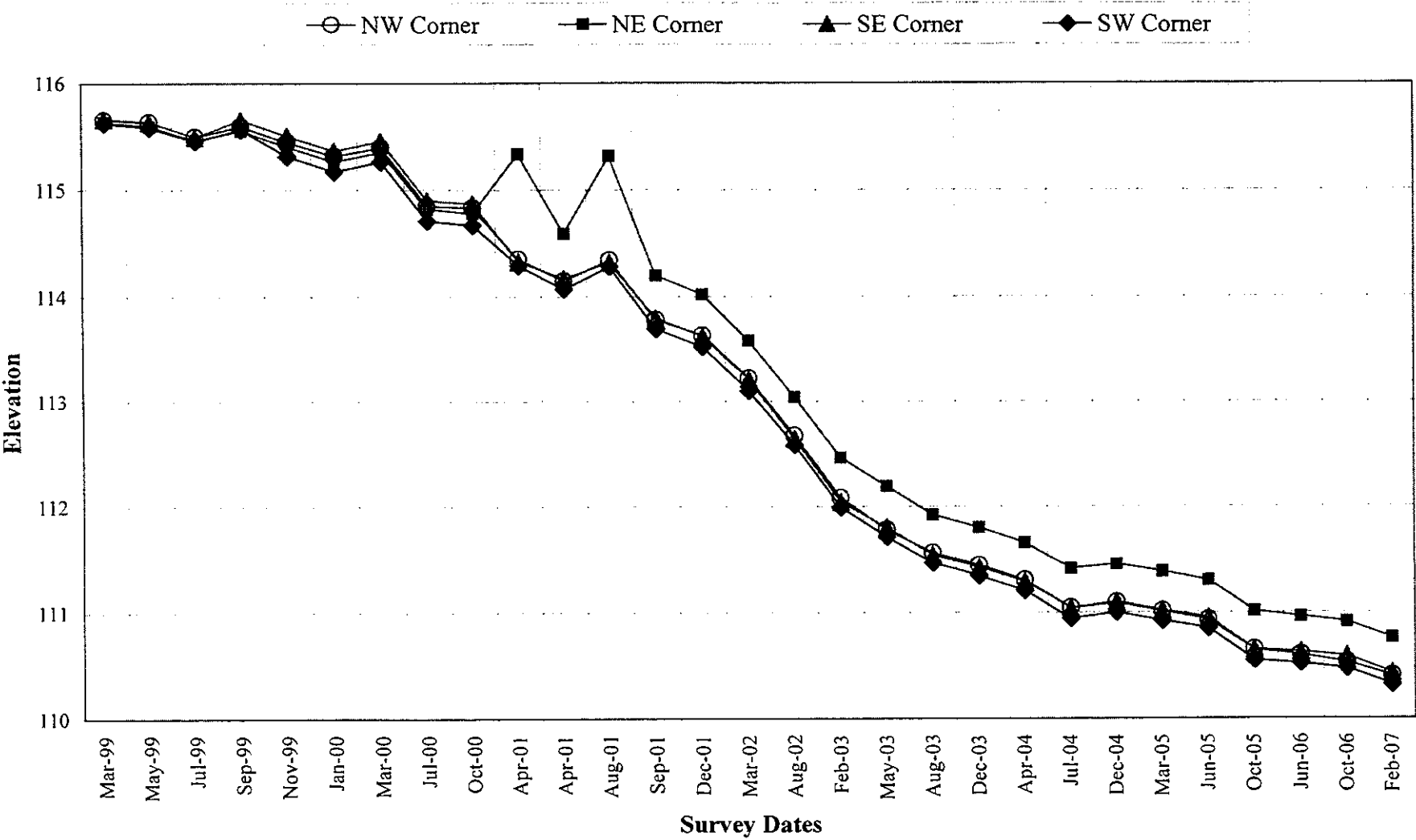
DATE	NW	NE	SE	Southwest District
March 3, 1999	115.65	115.63	115.66	115.62
May 4, 1999	115.63	115.59	115.63	115.58
July 28, 1999	115.49	115.46	115.49	115.45
September 17, 1999 <sup>2</sup>	115.59	115.55	115.65	115.56
November 11, 1999	115.44	115.40	115.50	115.31
January 3, 2000	115.31	115.26	115.36	115.17
March 30, 2000	115.39	115.35	115.45	115.26
July 5, 2000 <sup>3</sup>	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 <sup>2</sup>	114.15	114.59	114.17	114.07
August 8, 2001	114.34	115.31	114.32	114.28
September 19, 2001 <sup>2</sup>	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 <sup>2</sup>	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
June 6, 2006	110.60	110.96	110.63	110.52
October 2, 2006	110.53	110.91	110.59	110.47
February 1, 2007	110.40	110.76	110.43	110.32

leachatealcs\ClayTop.xls, updated 2/14/07 ler

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.

### Settlement of Pump Station B Sump





# 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: 02/01/07**

**SUBJECT: SOUTHEAST HILLSBOROUGH COUNTY LANDFILL SITE**

**CLIENT: WASTE MANAGEMENT, INC. OF FLORIDA**

PIPE	NORTHING	EASTING	ELEVATION	DESCRIPTION
SW	1251010.3	596333.8	172.84	Top of 4" pipe
			172.55	Top of 1" pipe
SE	1251004.7	596339.5	172.96	Top of 4" pipe
			172.74	Top of 1" pipe
NE	1251014.2	596344.4	173.10	Top of 4" pipe
			172.67	Top of 1" pipe
NW	1251014.5	596336.5	172.50	Top of 4" pipe
			172.57	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.

# Pickett & Associates, Inc.

## 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

2/1/07  
Survey Date

