Smith, George

From: Pelley, Cindy <PelleyCA@HillsboroughCounty.ORG>
Sent: Monday, April 17, 2017 12:30 PM
To: SWD_Waste (Shared Mailbox)
Cc: Morgan, Steve; Ruiz, Larry; Cope, Ronald; Byer, Kimberly; 'bclark@scsengineers.com'
Subject: WACS ID 41193 - Qtr 1 2017 Water Balance & Waste Tire Report for Southeast County Landfill
Attachments: 1Q2017 Water Balance Report.pdf; 1Q2017 Waste Tire rpt.pdf

Mr. Morgan:

The Quarterly Water Balance and Waste Tire Reports for the Southeast County Landfill are attached (WACS ID 41193).

Please advise should you have any questions concerning the information provided.

Thank you,

Cindy A. Pelley
General Manager II
Solid Waste Management Division
Public Works Department

M: (813) 767-0510
P: (813) 671-7707
E: pelleyca@HillsboroughCounty.org
W: HillsboroughCounty.org

Hillsborough County
601 E. Kennedy Blvd., Tampa, FL 33602

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Hillsborough County Florida

PUBLIC WORKS
PO Box 1110 Tampa, FL 33601-1110
(813) 272-5912 | Fax: (813) 272-5811

April 13, 2017

Mr. Steve Morgan
Solid Waste Section
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Pkwy
Temple Terrace, Florida 33637

RE: Waste Tire Facility Quarterly Report - Permit No. 126787-005-WT/02

Dear Mr. Morgan:

In accordance with Rule 62-711, F.A.C. and Permit No 126787-005-WT/02, the Solid Waste Management Division (SWMD) is submitting the Quarterly Report for the Waste Tire Facility for the period January 1, 2017 through March 31, 2017.

The SWMD staff compiled the information from the site's daily reports for this Quarterly Report.

Should you have any questions or require additional information concerning this submittal, please contact me at (813) 671-7707.

Sincerely,

Larry E. Ruiz
Manager Landfill Operations
Solid Waste Management Division
Public Works Department

LER/cp
Attachments
xc: Ron Cope, EPC
Kimberly Byer, SWMD

WASTE TIRE FACILITY
QUARTERLY TONNAGE REPORT
FIRST QUARTER 2017

		FIRST QUARTER	Beginning Tonnage (Jan. 1, 2017)	818.34
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS	Tons Adjusted
Jan. 2017	149.30	68.39	52.4	0.00
Beginning Tons	818.34			
	967.64	-68.39	-52.36	0.00
			Ending Tonnage	846.89
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS	Tons Adjusted
Feb. 2017	101.58	46.58		10.39
Beginning Tons	846.89			
	948.47	-46.58	0.00	-10.39
			Ending Tonnage	891.50
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS	Tons Adjusted
Mar. 2017	87.72			
Beginning Tons	891.50			
	979.22	0.00	0.00	0.00
			Ending Tonnage	979.22
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS	Tons Adjusted
Jan. 2017	149.30	68.39	52.36	0.00
Feb. 2017	101.58	46.58	0.00	10.39
Mar. 2017	87.72	0.00	0.00	0.00
Sub-Total	338.60	114.97	52.36	10.39
Beginning Tons	818.34			
TOTAL	1,156.94	-114.97	-52.36	-10.39
			Ending Tonnage	979.22

Department of Environmental Protection

DEP Form # 62-701.900(21)
Form Title Waste Tire Processing Facility Quarterly Report
Effective Date 3/22/00
DEP Application No. _____ (Filled in by DEP)

Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report 01/01/17 thru 03/31/17 (First quarter begins on January 1 of any given year)

1. Facility name: Hillsborough County Southeast Landfill Waste Tire Facility
2. Facility mailing address: 332 N. Falkenburg Road
   City: Tampa County: Hillsborough Zip: 33619
3. Facility permit number: 126787-005-WT/02
4. Facility telephone number (813) 671-7707
5. Authorized person preparing report: Larry E. Ruiz
6. Affiliation with facility: Owner Representative - Manager Landfill Operations
7. Telephone number (if different from above): ( )
8. Activity: Report in tons

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	818.34	338.60			-167.33		
Other whole Tires							
Processed tires							
Processing Waste						-10.39	
Other							
Total	818.34	338.60			-167.33	-10.39	979.22

a. Explain all inventory adjustments. -10.39 tons of unprocessed truck tires

b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved?

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach Additional sheets, if necessary.

9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate, and complete.

Larry E. Ruiz — Print Name of Authorized Agent

Larry E. Ruiz — Signature of Authorized Agent

4/13/17 — Date

Mail complete form to the appropriate district office

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

Hillsborough County Florida

PUBLIC WORKS
PO Box 1110 Tampa, FL 33601-1110
(813) 272-5912 | Fax: (813) 272-5811

April 17, 2017

Mr. Steve Morgan
Solid Waste Section
Florida Department of Environmental Protection, Southwest District
13051 N. Telecom Pkwy
Temple Terrace, Florida 33637

RE: Southeast County Landfill – Leachate Data Quarterly Report

Dear Mr. Morgan:

In accordance with Specific Condition No. C.12.d of Permit No. 35435-023-SO/01, the Solid Waste Management Division (SWMD) is submitting the Quarterly Leachate Water Balance summary for the Southeast County Landfill for the quarter ending March 31, 2017.

The data is being submitted as separate monthly reports for January, February, and March 2017. The attached reports include the leachate level in Pump Station B (PS-B).

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

Sincerely,

Larry E. Ruiz, SC
Manager Landfill Operations
Solid Waste Management Division

LER/cp
Attachment
xc: Bruce Clark, SCS
Ron Cope, EPC

Hillsborough County Florida

PUBLIC WORKS
PO Box 1110 Tampa, FL 33601-1110
(813) 272-5912 | Fax: (813) 272-5811

MEMORANDUM

DATE: April 17, 2017

TO: Larry E. Ruiz, Manager Landfill Operations, Solid Waste Management Division

FROM: Cindy A. Pelley, Landfill Supervisor, Solid Waste Management Division

SUBJECT: Leachate Water Balance Report Forms for March 2017
Southeast County Landfill, Hillsborough County, Florida

The Solid Waste Management Division (SWMD) staff has compiled and reviewed the leachate management operational data from the Southeast County Landfill Phases I-VI, Sections 7-8, and Section 9. Attached are the Leachate Water Balance Report Form (Table 1), the Leachate Field Data Entry Form (Table 2), and the 2017 Summary (Table 3). Also, attached find Figure 1 showing leachate levels in Pump Station B sump of Phases I-VI and rainfall for the month.

TABLE 1

Day (Column I)

Column I presents the calendar days for the month.

Rainfall (Column II)

Column II presents the average rainfall, in inches, as measured in the field from rainfall stations at the site. This month there was 0.67 inches of rainfall recorded at the Southeast County Landfill (SCLF).

Depth in Pond A (Column III)

Column III presents the daily depth, in feet, of effluent stored in effluent pond (Pond A). The daily depth in Pond A varies as a function of the spray irrigation frequency/duration and effluent hauled from the pond. This month the daily average depth of effluent stored in Pond A was 2.1 feet.

Depth in Pond B (Column IV)

Column IV presents the daily depth, in feet, of effluent or leachate that is stored in the effluent/leachate storage pond (Pond B). The depth in Pond B varies as a function of the evaporation frequency/duration and effluent or leachate hauled from the pond. This month the daily average depth of effluent stored in Pond B was 1.8 feet.

Estimated Depth at Pump Station B Sump (PS-B) (Column V)

Column V presents the depth of leachate, in inches, in the PS-B sump. Leachate from Phases I-VI flows to the PS-B sump for removal from the landfill. PS-B then pumps the leachate to Pump Station A (PS-A). Daily depth readings from the PS-B sump are included in this column. This month PS-B was below the normal operation level. The average recorded depth of leachate in the PS-B sump was 15.0 inches.

Leachate Pumped to Pump Station A Sump from Phases I-VI Condensate Line (Column VI)

Column VI presents the daily amount of leachate, in gallons, collected from the Phases I-VI condensate line and pumped to Pump Station A (PS-A). The average daily amount of leachate pumped from the Phases I-VI condensate line was 2,524 gallons. A total of 78,239 gallons of leachate was pumped this month.

Leachate Pumped to MLPS from Phase II Temporary Pump Station 2 – TPS-2 (Column VII)

Column VII presents the daily amount of leachate, in gallons, collected from Temporary Pump Station 2 (TPS-2) in Phase II. The leachate removed from TPS-2 is pumped to the MLPS. The average daily amount of leachate pumped from TPS-2 was 7,500 gallons. A total of 232,499 gallons of leachate was pumped this month.

Leachate Pumped to MLPS from Phases I-VI (Column VIII)

Column VIII presents the daily amount of leachate, in gallons, collected from PS-A and pumped through the MLPS to the 575,000-gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. The average daily amount of leachate pumped from PS-A was 67,803 gallons. A total of 2,101,893 gallons of leachate was pumped this month.

Leachate Pumped from Sections 7-8 LDS (Column IX)

Column IX presents the quantity of leachate removed from the leak detection system (LDS) of Sections 7-8. The quantity is measured by a flow meter before being pumped for removal with Sections 7-8 leachate. The removal rate did not exceed 1,930 gallons per day. This month a total of 645 gallons of leachate was removed from the leak detection system of Sections 7-8.

Leachate Pumped to MLPS from Sections 7-8 (Column X)

Column X presents the quantity of leachate collected at Sections 7-8 and pumped to the MLPS. The quantity is measured by a flow meter and includes any leachate removed from the leak detection system of Sections 7-8 (Column IX). This month a total of 83,733 gallons was removed.

Leachate Pumped to LTRF from the MLPS (Column XI)

Column XI presents the total quantity of leachate pumped to the LTRF from Phases I-VI, Sections 7-8, and TPS-2. This month a total of 2,418,125 gallons of leachate was pumped to the LTRF.

Leachate Pumped to LTRF from Section 9 (Column XII)

Column XII presents the daily amount of leachate, in gallons, collected from Section 9 and pumped to the 575,000-gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. A total of 47,762 gallons of leachate was pumped this month.

Leachate Pumped from Section 9 LDS (Column XIII)

Column XIII presents the daily amount of leachate, in gallons, collected from the LDS of Section 9 and pumped to the 575,000-gallon storage tank at the LTRF for treatment or disposal. The removal rate did not exceed 2,651 gallons per day. This month a total 2,054 gallons of leachate was removed from the leak detection system.

Leachate Pumped from Compost Area Sump (Column XIV)

Column XIV presents the total quantity of leachate pumped to the LTRF from the Compost Project Area Sump. This month compost leachate was not pumped to the LTRF.

Leachate in 575,000-Gallon Tank (Column XV)

Column XV presents the daily amount of leachate, in gallons, stored in the 575,000-gallon leachate holding tank T1 at the LTRF. The amount of leachate stored in T1 is calculated based on the circumference of the tank and the daily level reading. This month an average of 302,600 gallons of leachate was stored in the tank.

Effluent in 575,000-Gallon Tank (Column XVI)

Column XVI presents the daily amount of effluent, in gallons, stored in the 575,000-gallon effluent holding tank T6 at the LTRF. The amount of effluent stored in T6 is calculated based on the circumference of the tank and the daily level reading. This month an average of 305,000 gallons of effluent was stored in the tank.

Leachate Treated at LTRF (Column XVII)

Column XIIV presents the daily amount of leachate, in gallons, treated at the LTRF. This month a total of 907,200 gallons of leachate was treated at the plant.

Total Leachate Hauled (Column XVIII)

Column XVIII presents the daily amount of leachate, in gallons, hauled off site. This month a total of 1,473,627 gallons of leachate was hauled off site.

Leachate Dust Control Sprayed (Column XIX)

Column XIX presents the daily amount of leachate, in gallons, measured from the flow meter at the bypass-loading arm at the leachate storage tank. The leachate is used for dust control in the active area of the landfill. This month leachate was not used for dust control.

Pond A Storage (Column XX)

Column XX presents the daily amount of effluent, in gallons, stored in Pond A. The daily amount stored in the pond is calculated by using the daily depth of effluent in the Pond A (Column III). Under normal operating conditions, the daily amount of effluent stored in the pond varies depending upon the daily amount of leachate treated at the LTRF, the daily rainfall, daily effluent hauling operations, daily spray irrigation operations, and the daily amount of effluent used for dust control/evaporation. This month a daily average of 71,100 gallons of effluent was stored in Pond A.

Pond B Storage (Column XXI)

Column XXI presents the daily amount of effluent, in gallons, stored in Pond B. The daily amount stored in the pond is calculated by using the daily depth of effluent in Pond B (Column IV). Under normal operating conditions, the amount stored in the pond will vary depending upon the daily amount of effluent removed from the pond by the evaporation system, hauled from the pond, used for dust control or evaporated. This month a daily average of 70,900 gallons of effluent was stored in Pond B.

Effluent Sprayed at Pond B (Column XXII)

Column XXII presents the daily amount of effluent, in gallons, sprayed for evaporation at Pond B. The amount evaporated is calculated by using 5 percent of the daily flow meter quantity sprayed at Pond B and it is included in Column XXVI. This month 919,865 gallons of effluent was sprayed in Pond B.

Effluent Irrigation (Column XXIII)

Column XXIII presents the daily amount of effluent, in gallons, used for spray irrigation on top of Phases IV-VI. The daily amount of effluent irrigation on Phases IV-VI is measured from the flow meter at the irrigation pump station. This month a total of 707,976 gallons of effluent was used for spray irrigation.

Effluent Dust Control Sprayed (Column XXIV)

Column XXIV presents the daily amount of effluent, in gallons, sprayed for dust control in the active areas of the SCLF. The daily amount of effluent used for dust control, is measured from the flow meter at the bypass-loading arm. This month effluent was not sprayed as dust control.

Total Effluent Hauled (Column XXV)

Column XXV presents the daily amount of effluent, in gallons, hauled off site, as measured from the flow meter at the bypass-loading arm. This month 168,009 gallons of effluent was hauled off site.

Total Evaporation (Column XXVI)

Column XXVI presents the daily amount of leachate and effluent, in gallons, that evaporates and therefore will not be returned to the SCLF and/or requires treatment. Evaporation rates of 80 percent and 5 percent evaporation rate for spray in Pond B are assumed. Total evaporation estimated for this month was 612,200 gallons.

TABLE 2

Table 2 presents data assembled from daily logs compiled by the SWMD staff.

TABLE 3

Leachate Balance Summary

The Leachate Balance Summary (see Table 3) presents a review of inflow and outflow quantities for the LTRF, as well as rainfall and effluent disposal quantities at the landfill. Total inflow quantity to the LTRF was 2,479,359 gallons. Total outflow quantity from the LTRF was 2,380,827 gallons. The change in storage for the month increased by 98,532 gallons.

Please advise should you have any questions concerning the information provided.

TABLE 1. LEACHATE WATER BALANCE REPORT FORM
MARCH 2017
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII	XXIV	XXV	XXVI
Day	Rainfall (in.)	Depth in Pond A (ft.)	Depth in Pond B (ft.)	Estimated Depth at PS-B (in.)	Phases I - VI Condensate (gal.)	Phase II TPS-2 (gal.)	Leachate Pumped to MLPS from Phases I-VI (gal.)	Leachate Pumped from Sections 7-8 LDS (gal.)	Leachate Pumped to MLPS from Sections 7-8 (gal.)	Leachate Pumped to LTRF from MPLS (gal.)	Leachate Pumped to LTRF from Section 9 (gal.)	Leachate Pumped from Section 9 LDS (gal.)	Compost Leachate (gal.)	Leachate in 575K Tank -T1 (gal.)	Effluent in 575K Tank -T6 (gal.)	Leachate Treated at LTRF (gal.)	Total Leachate Hauled (gal.)	Leachate Dust Control (Sprayed) (gal.)	Pond A Storage (gal.)	Pond B Storage (gal)	Effluent Sprayed Pond B (gal)	Effluent Irrigation (gal.)	Effluent Dust Control (Sprayed) (gal.)	Total Effluent Hauled (gal.)	Total Evaporation (gal.)
1	0.00	3.2	3.6	16.9	2978	1455	57,991	***0***	3,734	63,180	1,310	0	0	209,000	274,000	27,000	64,563	0	118,000	234,000	68,176	41,984	0	14,485	37,000
2	0.00	3.2	3.2	15.7	3249	1552	62,923	***0***	3,453	67,928	37	0	0	189,000	269,000	27,900	0	0	118,000	192,000	36,149	48,802	0	63,487	40,800
3	0.00	2.6	3.0	19.2	2738	8101	57,688	***0***	114	65,903	1,141	0	***0***	218,000	242,000	27,400	28,281	0	88,000	172,000	101	39,918	0	18,086	31,900
4	0.00	3.1	2.4	16.6	2420	1901	51,735	25	109	53,745	1,442	0	0	218,000	247,000	30,100	0	0	113,000	115,000	27,421	22,750	0	35,572	19,600
5	0.00	***3.2***	***2.2***	***17.7***	***2558***	***788***	***55,140***	***26***	***3,818***	59,745	***1,535***	***74***	***0***	***247,000***	***256,000***	***30,100***	0	0	***118,000***	***97,000***	64,610	0	0	0	3,200
6	0.00	3.3	2.0	18.8	2558	788	55,140	26	3,818	59,745	1,535	74	0	276,000	264,000	30,100	0	0	123,000	80,000	101,799	13,772	0	36,379	16,100
7	0.00	3.0	2.0	18.5	2606	5469	56,929	18	2,511	64,909	4,837	776	0	297,000	264,000	36,400	43,374	0	108,000	80,000	70,386	38,098	0	0	34,000
8	0.00	3.1	1.7	19.5	2727	6500	58,979	22	2,463	67,942	***0***	236	0	300,000	290,000	29,300	63,913	0	113,000	57,000	55,440	48,188	0	0	41,300
9	0.00	3.2	1.3	15.7	2762	5325	79,256	0	2,502	87,083	***0***	18	0	288,000	317,000	28,400	79,174	0	118,000	33,000	0	49,544	0	0	39,600
10	0.00	3.0	0.0	12.4	2787	6395	84,056	52	2,327	92,778	1,116	***0***	0	276,000	338,000	24,400	49,715	0	108,000	0	0	0	0	0	0
11	0.00	3.0	0.4	9.3	2948	4684	79,251	22	2,372	86,307	***0***	***0***	0	288,000	305,000	29,000	45,735	0	108,000	3,000	51,453	86,260	0	0	71,600
12	0.00	***1.8***	***0.9***	***12.4***	***2872***	***11005***	***78,854***	***23***	***3,707***	93,565	***0***	***0***	***0***	***324,000***	***311,000***	***29,000***	0	0	***52,000***	***12,000***	46,203	0	0	0	2,300
13	0.45	0.6	1.4	15.5	2872	11005	78,854	23	3,707	93,565	***0***	0	0	360,000	317,000	29,000	49,789	0	10,000	38,000	40,953	0	0	0	2,000
14	0.00	0.6	2.0	10.1	3110	16937	81,793	22	2,416	101,146	***0***	0	0	386,000	302,000	35,200	86,540	0	10,000	80,000	0	0	0	0	0
15	0.20	0.6	2.4	14.5	2821	13460	75,735	25	84	89,279	***0***	0	0	360,000	269,000	21,100	84,389	0	10,000	115,000	0	0	0	0	0
16	0.00	3.4	1.0	12.3	2902	12687	66,976	27	70	79,733	***0***	***0***	0	309,000	257,000	32,200	34,820	0	129,000	19,000	0	26,306	0	0	21,000
17	0.00	2.9	1.0	15.4	1498	13902	65,008	28	6,758	85,668	8,775	84	0	314,000	290,000	31,300	85,028	0	103,000	19,000	0	16,446	0	0	13,200
18	0.00	2.9	1.0	12.7	2103	9276	67,730	26	39	77,045	2,475	34	0	317,000	302,000	31,400	48,829	0	103,000	19,000	0	76,012	0	0	60,800
19	0.00	***2.6***	***1.0***	***13.1***	***2379***	***9739***	***70,597***	***19***	***69***	80,405	***2,051***	***175***	***0***	***343,000***	***332,000***	***31,400***	0	0	***88,000***	***19,000***	0	0	0	0	0
20	0.00	2.2	1.0	13.4	2379	9739	70,597	19	69	80,405	2,051	175	0	369,000	362,000	31,400	29,147	0	70,000	19,000	0	26,796	0	0	21,400
21	0.00	2.0	1.5	14.7	2413	9100	70,287	27	11,093	90,480	5,927	0	0	408,000	345,000	31,700	72,565	0	61,000	44,000	0	0	0	0	0
22	0.00	3.0	1.5	13.3	2419	9328	69,843	13	2,386	81,557	163	0	0	381,000	317,000	23,200	84,301	0	108,000	44,000	79,663	48,428	0	0	42,700
23	0.01	2.3	1.5	13.6	2428	8781	70,110	0	90	78,981	***0***	0	0	350,000	295,000	32,400	86,364	0	74,000	44,000	80,213	37,474	0	0	34,000
24	0.00	2.0	1.9	12.1	2020	6178	63,028	26	5,948	75,154	3,049	403	0	309,000	271,000	22,200	98,767	0	61,000	72,000	0	38,588	0	0	30,900
25	0.00	1.5	1.9	18.2	2089	3542	63,625	47	2,440	69,607	4,291	0	0	261,000	290,000	31,100	49,686	0	40,000	72,000	0	27,088	0	0	21,700
26	0.00	***0.8***	***1.8***	***16.9***	***2292***	***3509***	***68,755***	***0***	***3,454***	75,718	***544***	***0***	***0***	***284,000***	***320,000***	***31,100***	0	0	***13,000***	***64,000***	15,240	0	0	0	800
27	0.00	0.0	1.8	15.5	2292	3509	68,755	0	3,454	75,718	544	0	0	307,000	350,000	31,200	36,599	0	800	57,000	30,479	0	0	0	1,500
28	0.00	0.0	2.0	16.6	2396	11465	70,471	69	2,286	84,222	3,048	0	0	324,000	355,000	29,200	36,606	0	800	80,000	87,764	0	0	0	4,400
29	0.00	0.0	2.3	14.1	2253	9349	66,531	23	2,087	77,967	50	0	0	319,000	355,000	35,300	86,529	0	800	106,000	63,815	0	0	0	3,200
30	0.00	0.0	2.4	19.0	2095	8658	67,742	0	4,270	80,670	511	***0***	0	281,000	369,000	33,600	79,205	0	800	115,000	0	0	0	0	0
31	0.01	1.3	2.2	12.7	2276	8373	67,517	40	2,087	77,977	1,331	5	0	269,000	379,000	14,100	49,708	0	36,000	97,000	0	21,522	0	0	17,200
Total	0.67				78,239	232,499	2,101,893	645	83,733	2,418,125	47,762	2,054	0			907,200	1,473,627	0			919,865	707,976	0	168,009	612,200
Daily Average		2.1	1.8	15.0	2,524	7,500	67,803	21	2,701	78,004	1,541	66	0	302,600	305,000				71,100	70,900					
Mo. Average																		0				22,800	0	5,400	19,750

projects\balance\2017\03-17bal.xls (Ds 3/31/17)

Notes:
1. NR = No Records, NA = Not Available.
2. Values in bold are estimated; values in italic are substitute for missing data and are based on averaged values.
3. Daily average is calculated by dividing the total by the actual days measured in the month.
4. Monthly average calculated by dividing the total by the number of days of the month.
5. Column II, Trace is less than 0.01 inches and is not included in total.
6. Columns III and IV, field measured at staff gauges.
7. Columns IX & X, Section 7-8 leak detection pumped into Section 7 leachate sump riser.
8. Column XV and XVI, calculated from depth in 575,000 gal. tanks.
9. Columns VI-XIV, XVII-XIX, and XXII-XXV, quantities from flow meters.
10. Column XXVI includes 80% of the daily values from Columns XIX, XXIII, and XXIV plus 5% of the daily values from column XXII.

TABLE 2. FIELD DATA ENTRY FORM
MARCH 2017
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
																			Leachate Hauled			Effluent Hauled		
Day	Rainfall (in.)	Phases I-VI Condensate (gal.)	Phase II TPS-2 (gal.)	Pump Sta. A (gal.)	PS-B (in.)	Section 9 Pump 1 (gal.)	Section 9 Pump 2 (gal.)	Section 9 LDS (gal.)	Compost Leachate (gal.)	Sections 7-8 Pump (gal.)	Sections 7-8 LDS (gal.)	Pond B Depth (ft.)	Pond B Effluent Sprayed (gal)	Pond A Depth (ft.)	Effluent Spray Irrigation (gal.)	Depth in 575K Tank Leachate (ft.)	Depth in 575K Tank Effluent (ft.)	Leachate Treated at LTRF (gal.)	Contractor (gal.)	County (gal.)	Leachate Dust Control (Sprayed) (gal.)	Contractor (gal.)	County (gal.)	Effluent Dust Control (Sprayed) (gal)
1	0.00	43,884	13,451	4,389,904	16.9	3,560,994	1,756,421	5,837,921	74	2,821,085	***0***	3.6	68,176.0	3.2	41,984	7.25	9.50	26,956	0	64,563	0	0	14,485	0
2	0.00	47,133	15,003	4,452,827	15.7	3,560,999	1,756,453	5,837,921	74	2,824,538	***0***	3.2	36149.0	3.2	48,802	6.58	9.33	27,921	0	0	0	0	63,487	0
3	0.00	49,871	23,104	4,510,515	19.2	3,561,002	1,757,591	5,837,921	75	2,824,652	11,781	3.0	101.0	2.6	39,918	7.58	8.42	27,375	0	28,281	0	0	18,086	0
4	0.00	52,291	25,005	4,562,250	16.6	3,561,060	1,758,975	5,837,921	75	2,824,761	11,806	2.4	27,421.0	3.1	22,750	7.58	8.58	30,074	0	0	0	0	35,572	0
5	0.00	***54,849***	***25,793***	***4,617,390***	***17.7***	***3,561,427***	***1,760,143***	***5,837,995***	***75***	***2,828,579***	***11,832***	***2.2***	64610.0	***3.2***	0	***8.58***	***8.88***	***30,074***	0	0	0	0	0	0
6	0.00	57,406	26,581	4,672,529	18.8	3,561,794	1,761,311	5,838,069	75	2,832,396	11,857	2.0	101,799.0	3.3	13,772	9.58	9.17	30,074	0	0	0	0	36,379	0
7	0.00	60,012	32,050	4,729,458	18.5	3,565,505	1,762,437	5,838,845	75	2,834,907	11,875	2.0	70386.0	3.0	38,098	10.33	9.17	36,352	0	43,374	0	0	0	0
8	0.00	62,739	38,550	4,788,437	19.5	3,565,508	1,762,439	5,839,081	75	2,837,370	11,897	1.7	55440.0	3.1	48,188	10.42	10.08	29,298	0	63,913	0	0	0	0
9	0.00	65,501	43,875	4,867,693	15.7	3,565,513	1,762,442	5,839,099	75	2,839,872	11,897	1.3	0.0	3.2	49,544	10.00	11.00	28,437	0	79,174	0	0	0	0
10	0.00	68,288	50,270	4,951,749	12.4	3,565,516	1,763,555	5,839,102	75	2,842,199	11,949	0.0	0.0	3.0	0	9.58	11.75	24,447	0	49,715	0	0	0	0
11	0.00	71,236	54,954	5,031,000	9.3	3,565,521	1,763,559	5,839,108	75	2,844,571	11,971	0.4	51453.0	3.0	86,260	10.00	10.58	29,024	0	45,735	0	0	0	0
12	0.00	***74,108***	***65,959***	***5,109,854***	***12.4***	***3,565,524***	***1,763,562***	***5,839,108***	***75***	***2,848,278***	***11,994***	***0.9***	***46203.0***	***1.8***	0	***11.25***	***10.79***	29,024	0	0	0	0	0	0
13	0.45	76,980	76,963	5,188,707	15.5	3,565,527	1,763,565	5,839,108	75	2,851,985	12,016	1.4	40953.0	0.6	0	12.50	11.00	29,023	0	49,789	0	0	0	0
14	0.00	80,090	93,900	5,270,500	10.1	3,565,530	1,763,568	5,839,108	75	2,854,401	12,038	2.0	0.0	0.6	0	13.42	10.50	35,182	0	86,540	0	0	0	0
15	0.20	82,911	107,360	5,346,235	14.5	3,565,535	1,763,572	5,839,108	75	2,854,485	12,063	2.4	0.0	0.6	0	12.50	9.33	21,141	0	84,389	0	0	0	0
16	0.00	85,813	120,047	5,413,211	12.3	3,565,536	1,763,574	5,839,109	75	2,854,555	12,090	1.0	0.0	3.4	26,306	10.75	8.92	32,190	0	34,820	0	0	0	0
17	0.00	87,311	133,949	5,478,219	15.4	3,565,823	1,772,062	5,839,193	75	2,861,313	12,118	1.0	0.0	2.9	16,446	10.92	10.08	31,306	0	85,028	0	0	0	0
18	0.00	89,414	143,225	5,545,949	12.7	3,565,910	1,774,450	5,839,227	75	2,861,352	12,144	1.0	0.0	2.9	76,012	11.00	10.50	31,350	0	48,829	0	0	0	0
19	0.00	***91,793***	***152,964***	***5,616,546***	***13.1***	***3,565,998***	***1,776,414***	***5,839,402***	***75***	***2,861,421***	***12,163***	***1.0***	***0.0***	***2.6***	0	***11.92***	***11.54***	31,350	0	0	0	0	0	0
20	0.00	94,172	162,703	5,687,143	13.4	3,566,085	1,778,377	5,839,577	75	2,861,489	12,181	1.0	0.0	2.2	26,796	12.83	12.58	31,351	0	29,147	0	0	0	0
21	0.00	96,585	171,803	5,757,430	14.7	3,566,091	1,784,298	5,839,577	75	2,872,582	12,208	1.5	0.0	2.0	0	14.17	12.00	31,704	0	72,565	0	0	0	0
22	0.00	99,004	181,131	5,827,273	13.3	3,566,095	1,784,457	5,839,577	75	2,874,968	12,221	1.5	79663.0	3.0	48,428	13.25	11.00	23,211	0	84,301	0	0	0	0
23	0.01	101,432	189,912	5,897,383	13.6	3,566,097	1,784,460	5,839,577	75	2,875,058	12,221	1.5	80213.0	2.3	37,474	12.17	10.25	32,401	0	86,364	0	0	0	0
24	0.00	103,452	196,090	5,960,411	12.1	3,566,100	1,787,506	5,839,980	75	2,881,006	12,247	1.9	0.0	2.0	38,588	10.75	9.42	22,237	0	98,767	0	0	0	0
25	0.00	105,541	199,632	6,024,036	18.2	3,566,106	1,791,791	5,839,980	75	2,883,446	12,294	1.9	0.0	1.5	27,088	9.08	10.08	31,149	0	49,686	0	0	0	0
26	0.00	***107,833***	***203,141***	***6,092,791***	***16.9***	***3,566,111***	***1,792,330***	***5,839,980***	***75***	***2,886,900***	***12,294***	***1.8***	***15239.5***	***0.8***	0	***9.88***	***11.13***	31,149	0	0	0	0	0	0
27	0.00	110,125	206,650	6,161,545	15.5	3,566,116	1,792,868	5,839,980	75	2,890,354	12,294	1.8	30479.0	0.0	0	10.67	12.17	31,150	0	36,599	0	0	0	0
28	0.00	112,521	218,115	6,232,016	16.6	3,566,330	1,795,702	5,839,980	75	2,892,640	12,363	2.0	87764.0	0.0	0	11.25	12.33	29,238	0	36,606	0	0	0	0
29	0.00	114,774	227,464	6,298,547	14.1	3,566,379	1,795,703	5,839,980	75	2,894,727	12,386	2.3	63815.0	0.0	0	11.08	12.33	35,302	0	86,529	0	0	0	0
30	0.00	116,869	236,122	6,366,289	19.0	3,566,887	1,795,706	5,839,981	75	2,898,997	12,386	2.4	0.0	0.0	0	9.75	12.83	33,627	0	79,205	0	0	0	0
31	0.01	119,145	244,495	6,433,806	12.7	3,568,209	1,795,715	5,839,986	75	2,901,084	12,426	2.2	0.0	1.3	21,522	9.33	13.17	14,113	0	49,708	0	0	0	0
Totals	0.67												919,865		707,976			907,230	0	1,473,627	0	0	168,009	0

projects\balance\2017\03-17bal.xls (Ds 3/31/17)

Notes:

1. NR = No Records, NA = Not Available.
2. Values in bold are estimated; values in italic are substitute for missing data and are based on averaged values
3. Columns I and L include quantities from leak detection system.
4. Column B, trace is less than 0.01 inches.
5. Columns C, D, E, G, H, I, J, K, L, N, P, S-X and Y are quantities from flow meters.
6. Columns M and O measured from staff gages in each pond.

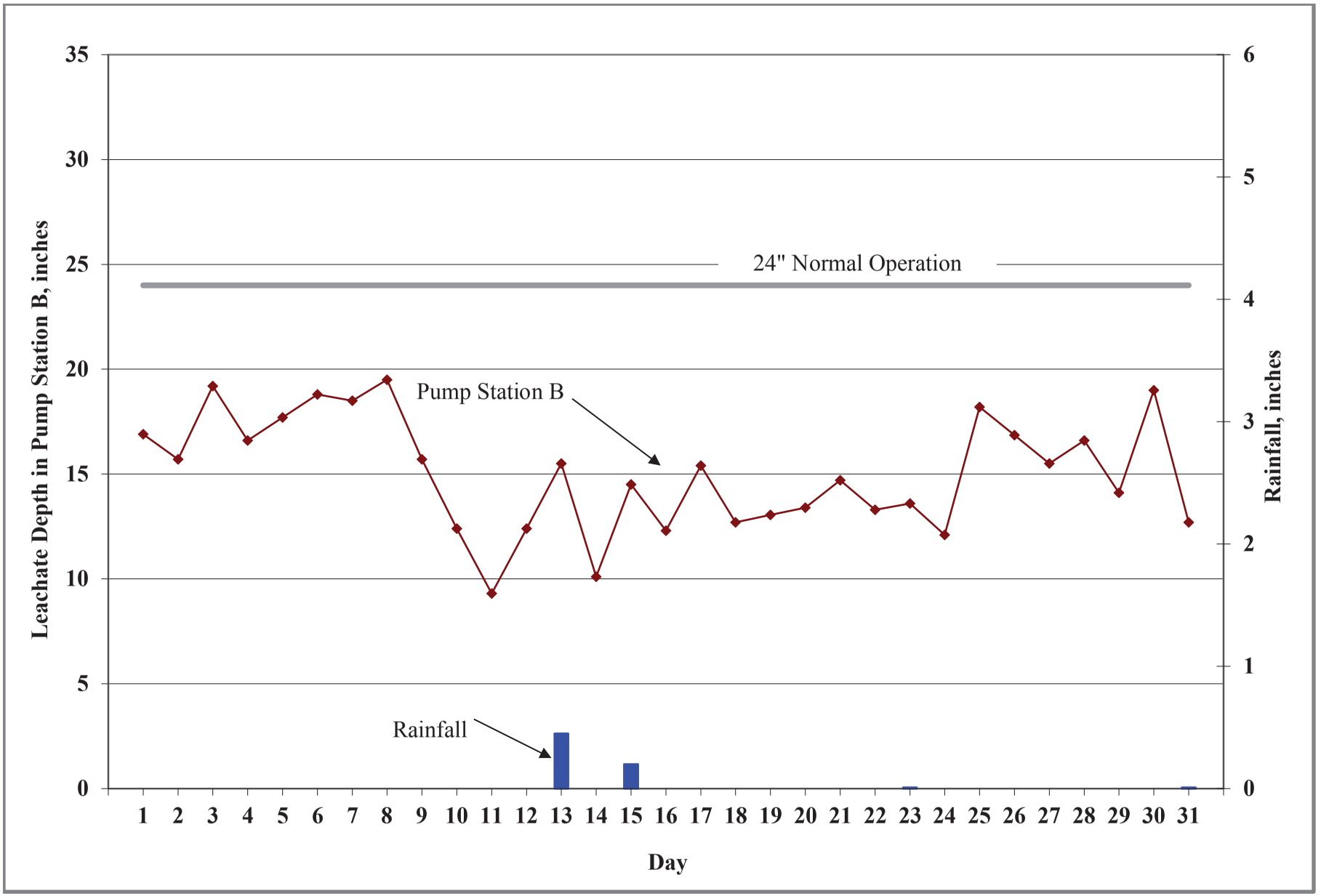

Figure 1. Leachate Levels in Pump Station B and Rainfall for March 2017.

TABLE 3. LEACHATE BALANCE SUMMARY
SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA
YEAR-2017

		Leachate Arriving at LTRF						Leachate Leaving LTRF			Effluent Disposal			Inflow / Outflow For LTRF		
Month	Rainfall (in.)	Condensate from LFG System (gal.)	Leachate from Section 9 Pumped to LTRF (gal.)	Leachate from Section 7-8 Pumped to LTRF (gal.)	Leachate from Phases I-VI Pumped to LTRF (gal.)	Phase II TPS-2 (gal.)	Compost Leachate (gal.)	Total Leachate Hauled from LTRF (gal.)	Leachate Dust Control (Sprayed) (gal.)	Leachate Treated at LTRF (gal.)	Total Effluent Hauled (gal.)	Effluent Dust Control (Sprayed) (gal.)	Effluent Irrigation (gal.)	Total Inflow to LTRF (gal.)	Total Outflow from LTRF (gal.)	Change in Storage[3] (gal.)
January	1.26	15,559	63,901	107,208	2,220,588	0	0	1,465,900	0	928,400	7,108	0	612,840	2,407,256	2,394,300	12,956
February	1.96	12,809	56,814	96,390	1,796,165	0	0	1,253,632	0	700,600	78,895	0	526,386	1,962,178	1,954,232	7,946
March	0.67	11,418	49,816	83,733	2,101,893	232,499	0	1,473,627	0	907,200	168,009	0	707,976	2,479,359	2,380,827	98,532
April																
May																
June																
July																
August																
September																
October																
November																
December																
YTD Total	3.89	39,786	170,531	287,331	6,118,646	232,499	0	4,193,159	0	2,536,200	254,012	0	1,847,202	6,848,793	6,729,359	119,434

Note:
1. If the bypass at the effluent pond is ever used to pump effluent back to the LTRF, this table must be modified.
2. Change in storage represents total inflow to LTRF minus total outflow from LTRF.