

Smith, George

From: Pelley, Cindy <PelleyCA@HillsboroughCounty.ORG>
Sent: Friday, July 14, 2017 9:50 AM
To: SWD_Waste
Cc: Morgan, Steve; Ruiz, Larry; Cope, Ronald; Byer, Kimberly; Madden, Melissa; Curtis, Bob; 'Clark, Bruce'
Subject: WACS ID 41193 - Qtr 2 2017 Water Balance & Waste Tire Report for Southeast County
Attachments: 2Q2017 Water Balance Report.pdf; 2Q2017 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) 455-2193

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Hillsborough County

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Hillsborough County Florida

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July 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 April 1, 2017 through June 30, 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

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Lucia E. Garsys



Department of Environmental Protection

DEP Form # 62-701.900(21)
Waste Tire Processing Facility
Form Title <u>Quarterly Report</u>
Effective Date <u>3/22/00</u>
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 04/01/17 thru 06/30/17 (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	979.22	408.07			-432.20		
Other whole Tires							
Processed tires							
Processing Waste						-2.78	
Other							
Total	979.22	408.07			-432.20	-2.78	771.84

- a. Explain all inventory adjustments. -2.78 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.

<u>Larry E. Ruiz</u>	<u>Larry E. Ruiz</u>	<u>7/13/17</u>
Print Name of Authorized Agent	Signature of Authorized Agent	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

**WASTE TIRE FACILITY
QUARTERLY TONNAGE REPORT
SECOND QUARTER 2017**

		SECOND QUARTER	Beginning Tonnage (Apr. 1, 2017)	
				979.22
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS & RF	Tons Adjusted
Apr. 2017	217.16	61.91	17.42	
Beginning Tons	979.22			
	1,196.38	-61.91	-17.42	0.00
			Ending Tonnage	1,117.05
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS & RF	Tons Adjusted
May 2017	90.21	89.17	264.26	2.78
Beginning Tons	1,117.05			
	1,207.26	-89.17	-264.26	-2.78
			Ending Tonnage	853.83
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS & RF	Tons Adjusted
Jun. 2017	100.70	29.39	150.52	
Beginning Tons	853.83			
	954.53	-29.39	-150.52	0.00
			Ending Tonnage	774.62
Month	Tires Received	Tires Removed by Contractor	Tires to SCTS & RF	Tons Adjusted
Apr. 2017	217.16	61.91	17.42	0.00
May 2017	90.21	89.17	264.26	2.78
Jun. 2017	100.70	29.39	150.52	0.00
Sub-Total	408.07	180.47	432.20	2.78
Beginning Tons	979.22			
TOTAL	1,387.29	-180.47	-432.20	-2.78
			Ending Tonnage	771.84



Hillsborough County Florida

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July 14, 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 June 30, 2017.

The data is being submitted as separate monthly reports for April, May, and June 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

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MEMORANDUM

DATE: July 14, 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 June 2017
Southeast County Landfill, Hillsborough County, Florida

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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 12.31 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 2.5 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 0.8 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 16.2 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 453 gallons. A total of 13,589 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 the Phase II Temporary Pump Station 2 (TPS-2), and includes total gallons collected from the recently installed dewatering wells. The leachate removed from TPS-2 is pumped to the MLPS. The average daily amount of leachate pumped from TPS-2 was 4,030 gallons. A total of 120,889 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 54,154 gallons. A total of 1,624,622 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 489 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 147,375 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 1,771,997 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 88,626 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 5 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 a total of 191,200 gallons of leachate from the compost area was 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 291,000 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 332,900 gallons of effluent was stored in the tank.

Leachate Treated at LTRF (Column XVII)

Column XVII presents the daily amount of leachate, in gallons, treated at the LTRF. This month a total of 715,000 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 1,508,449 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 86,700 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 32,800 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 510,194 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 235,093 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 71,078 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 213,700 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 2,181,216 gallons. Total outflow quantity from the LTRF was 2,223,449 gallons. The change in storage for the month decreased by 42,233 gallons.

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

TABLE I. LEACHATE WATER BALANCE REPORT FORM

JUNE 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 Meter	Phase II TPS-2	Leachate Pumped to MLPS from Phases I-VI	Leachate Pumped to MLPS from Sections 7-8 LDS	Leachate Pumped to LTRF from MLPS Sections 7-8 LDS	Leachate Pumped to LTRF from MLPS Section 9	Leachate Pumped from Section 9 LDS	Leachate Pumped from Section 9 LDS	Compost Leachate	Leachate in 575K Tank	Effluent in 575K Tank	Leachate Treated in LTRF	Total Leachate Hauled	Leachate Dust Control (Sprayed)	Pond A Storage	Pond B Storage	Effluent Sprayed Pond B	Effluent Irrigation	Dust Control (Sprayed)	Effluent Hauled	Total Evaporation (gal.)		
1	0.02	1.9	0.0	11.2	479	4,361	49,105	0	2,583	51,888	707	0	0	0	185,000	214,000	14,900	42,320	0	57,000	0	0	0	0	0	0	
2	0.01	2.2	0.0	18.3	493	4,398	51,194	0	2,546	53,740	1,305	0	0	0	185,000	202,000	16,000	28,188	0	70,000	0	0	0	0	0	14,228	0
3	0.17	2.2	0.0	18.0	482	4,401	50,917	31	2,615	53,532	1,061	0	0	0	197,000	199,000	19,100	35,314	0	70,000	0	0	0	0	0	7,107	0
4	0.05	1.6	0.0	16.9	494	4,396	52,746	8	2,616	55,382	3,009	0	0	0	218,000	212,000	19,100	36,649	0	44,000	0	0	0	0	0	0	0
5	0.01	1.0	0.0	15.8	494	4,396	52,746	8	2,616	55,382	3,009	0	0	0	240,000	225,000	19,100	36,649	0	24,000	0	0	0	0	0	0	0
6	1.96	1.0	0.0	15.8	498	4,552	54,407	54	2,718	57,185	16	0	0	0	242,000	238,000	15,400	35,196	0	24,000	0	0	0	0	0	0	0
7	0.00	1.7	0.0	8.9	508	4,695	55,745	19	1,008	56,753	11	0	0	0	266,000	238,000	18,600	78,251	0	48,000	0	0	0	0	0	0	0
8	1.28	2.0	0.0	18.6	526	4,851	57,547	19	4,326	61,873	2,033	0	66,500	329,000	259,000	23,100	85,677	0	61,000	0	0	0	0	0	0	0	0
9	0.45	2.4	0.0	11.6	472	4,290	53,603	0	1,412	55,015	3,408	0	1,200	300,000	274,000	19,400	49,731	0	79,000	0	0	0	0	0	0	0	0
10	0.30	2.4	0.0	20.9	432	4,048	46,454	34	2,455	48,909	0	0	0	274,000	288,000	20,500	49,669	0	79,000	0	0	0	38,282	0	0	0	30,600
11	0.17	2.2	0.0	18.9	444	3,793	45,241	18	2,233	47,776	684	0	6,550	287,000	301,000	20,500	0	70,000	0	70,000	0	0	0	0	0	0	0
12	0.55	1.9	0.0	16.8	444	3,793	45,241	18	2,233	47,776	684	0	6,550	300,000	314,000	20,500	43,864	0	70,000	0	0	0	0	0	0	0	0
13	0.21	2.0	0.0	20.6	464	4,060	48,909	16	2,469	51,378	3,233	0	11,200	295,000	336,000	23,900	36,357	0	61,000	0	0	0	0	0	0	0	0
14	1.03	2.7	0.0	17.7	469	3,905	50,708	15	2,493	53,201	2,651	0	1,900	300,000	317,000	19,400	85,762	0	93,000	0	0	0	0	0	0	0	0
15	0.07	3.2	0.0	20.6	456	3,966	51,769	22	2,459	54,228	603	0	7,700	271,000	317,000	24,100	86,401	0	118,000	0	0	0	0	0	0	0	0
16	0.30	3.2	0.0	20.6	478	4,186	54,509	0	2,341	56,850	0	0	0	223,000	336,000	20,500	49,603	0	118,000	0	0	0	0	0	0	0	0
17	0.23	3.2	0.0	19.9	490	4,334	56,263	9	4,832	61,095	564	0	0	225,000	353,000	24,800	49,440	0	118,000	0	0	0	0	0	0	0	0
18	2.07	3.3	0.9	18.5	109	3,403	57,385	24	2,282	59,667	5,366	0	100	260,000	367,000	24,800	0	123,000	15,000	15,000	0	0	0	0	0	0	0
19	0.24	3.4	1.8	17.0	109	3,403	57,385	24	2,282	59,667	5,366	0	100	295,000	381,000	24,800	43,473	0	129,000	64,000	0	0	0	0	0	0	0
20	0.01	3.4	1.8	16.4	505	3,538	63,525	18	12,679	76,204	7,300	0	89,200	463,000	405,000	30,600	79,946	0	129,000	64,000	0	0	0	0	7,107	0	
21	0.15	3.3	1.8	11.6	528	3,434	60,575	15	6,417	61,222	7,775	5	0	413,000	422,000	29,100	86,991	0	123,000	64,000	77,799	26,454	0	0	25,100	0	
22	0.02	3.4	1.9	14.0	479	3,334	56,341	0	24,133	80,474	6,268	0	0	394,000	417,000	30,900	86,913	0	129,000	72,000	78,393	9,584	0	0	11,600	0	
23	0.00	3.4	2.1	19.9	466	3,350	54,689	26	5,094	59,783	4,944	0	0	341,000	413,000	30,700	51,116	0	129,000	88,000	0	9,330	0	28,416	7,500	0	
24	0.00	3.2	2.1	17.9	487	3,331	57,541	0	13,689	71,230	4,843	0	0	338,000	398,000	31,400	86,791	0	118,000	88,000	0	71,849	0	0	57,500	0	
25	0.17	2.7	2.1	13.1	471	3,162	55,759	24	8,422	64,180	4,478	0	0	338,000	421,000	31,400	0	0	93,000	88,000	0	0	0	0	0	0	0
26	0.00	2.1	2.1	8.3	471	3,162	55,759	24	8,422	64,180	4,478	0	0	341,000	444,000	31,400	43,615	0	65,000	88,000	75,605	15,283	0	0	16,000	0	
27	0.12	2.4	2.1	12.5	768	5,185	57,318	18	7,407	64,725	4,247	0	0	338,000	439,000	26,600	36,622	0	79,000	88,000	71,060	30,433	0	0	27,900	0	
28	0.00	2.6	2.1	16.1	253	4,843	59,229	16	7,568	66,497	3,805	0	0	331,000	425,000	26,700	86,554	0	88,000	88,000	105,229	24,892	0	0	25,200	0	
29	0.50	2.9	2.0	17.1	369	4,303	56,548	0	7,161	63,769	3,275	0	0	293,000	405,000	31,000	85,917	0	103,000	80,000	102,108	8,986	0	0	12,300	0	
30	2.22	2.9	2.2	12.9	454	4,017	55,267	31	2,431	57,698	3,523	0	200	247,000	427,000	27,100	28,189	0	103,000	97,000	0	0	0	14,220	0	0	
Total	12.31				13,589	120,889	1,624,622	489	147,275	1,771,997	88,626	5	191,200			715,000	1,508,449	0				510,194	235,093	0	71,078	213,700	
Daily Average		2.5	0.8	16.2	453	4,030	54,154	16	4,913	59,067	2,954	0	6,373	291,000	332,900			0	86,700	32,800					2,400	7,120	
Mo. Average																											
gross balance 2009/01-09/03/17																											

- 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 VII-XXV, XVII-XXV, and XXII-XXV, quantities from flow meters.
 10. Column XXVI includes 89% 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
JUNE 2017
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

Day	Rainfall (in.)	Phases I - VI Condensate Meter (gal.)	Phase II TPS-2 (gal.)	Flow Meter Pump Sta. A (gal.)	Reading 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.)	Leachate Dust Control (Sprayed) (gal.)	County Hauled (gal.)	Contractor Hauled (gal.)	Effluent Dust Control (Sprayed) (gal.)		
1	0.02	181.301	562,357	4,345	11.2	3,581,557	1,871,385	5,846,178	7,500	3,012,307	13,613	0.0	1.9	0	6.42	7.42	14,907	0	42,320	0	0	0	0	
2	0.01	181.794	566,755	55,539	18.3	3,581,563	1,872,684	5,846,178	7,500	3,014,853	13,613	0.0	2.2	0	6.42	7.00	16,042	0	28,188	0	0	14,228	0	
3	0.17	182.276	571,156	106,456	18.0	3,581,566	1,873,742	5,846,178	7,500	3,017,468	13,644	0.0	2.2	0	6.83	6.92	19,122	0	35,314	0	0	7,107	0	
4	0.05	182.770	575,552	159,202	16.9	3,581,931	1,876,377	5,846,179	7,500	3,020,104	13,652	0.0	1.6	0	7.58	7.38	19,122	0	0	0	0	0	0	
5	0.01	183.263	579,948	211,948	15.8	3,582,296	1,879,011	5,846,179	7,500	3,022,740	13,660	0.0	1.0	0	8.33	7.83	19,121	0	36,649	0	0	0	0	
6	1.96	183.761	584,500	266,355	15.8	3,582,301	1,879,022	5,846,179	7,500	3,025,518	13,714	0.0	1.0	0	8.42	8.25	15,364	0	35,196	0	0	0	0	
7	0.00	184.269	589,195	322,100	8.9	3,582,307	1,879,027	5,846,179	7,500	3,026,526	13,733	0.0	1.7	0	9.25	8.25	18,635	0	78,251	0	0	0	0	
8	1.28	184.795	594,046	379,647	18.6	3,582,307	1,881,060	5,846,179	74,000	3,030,852	13,752	0.0	2.0	0	11.42	9.00	23,095	0	85,677	0	0	0	0	
9	0.45	185.267	598,336	433,250	11.6	3,582,309	1,884,466	5,846,179	75,200	3,032,264	13,752	0.0	2.4	0	10.42	9.50	19,427	0	49,731	0	0	0	0	
10	0.30	185.699	602,384	479,704	20.9	3,582,312	1,884,468	5,846,179	75,200	3,034,719	13,786	0.0	2.4	0	38,282	10.00	20,509	0	49,669	0	0	0	0	
11	0.17	186.143	606,177	524,945	18.9	3,582,306	1,885,058	5,846,179	81,750	3,037,254	13,804	0.0	2.2	0	9.96	10.46	20,509	0	0	0	0	0	0	
12	0.55	186.586	609,970	570,185	16.8	3,582,300	1,885,648	5,846,179	88,300	3,039,789	13,821	0.0	1.9	0	10.42	10.92	20,509	0	43,864	0	0	0	0	
13	0.21	187.050	614,030	619,094	20.6	3,582,305	1,888,876	5,846,179	99,500	3,042,258	13,837	0.0	2.0	0	10.25	11.67	23,519	0	36,357	0	0	0	0	
14	1.03	187.519	617,935	669,802	17.7	3,582,306	1,891,526	5,846,179	101,400	3,044,751	13,852	0.0	2.7	0	10.42	11.00	19,597	0	85,762	0	0	0	0	
15	0.07	187.975	621,901	721,571	20.6	3,582,311	1,892,124	5,846,179	109,100	3,047,210	13,874	0.0	3.2	0	9.42	11.00	24,130	0	86,401	0	0	0	0	
16	0.30	188.453	626,087	776,080	20.6	3,582,313	1,892,129	5,846,179	109,100	3,049,551	13,874	0.0	3.2	0	7.75	11.67	20,450	0	49,603	0	0	0	0	
17	0.23	188.943	630,421	832,343	19.9	3,582,314	1,892,532	5,846,179	109,100	3,054,383	13,883	0.0	3.2	0	7.83	12.25	24,840	0	49,440	0	0	0	0	
18	2.07	189.052	633,824	889,728	18.5	3,583,314	1,897,159	5,846,179	109,200	3,056,665	13,907	0.9	0	0	9.04	12.75	24,840	0	0	0	0	0	0	
19	0.24	189.161	637,226	947,112	17.0	3,584,153	1,901,785	5,846,179	109,300	3,058,947	13,931	1.8	0	0	10.25	13.25	24,839	0	43,473	0	0	0	0	
20	0.01	189.666	640,764	1,010,657	16.4	3,584,998	1,908,240	5,846,180	198,500	3,071,626	13,949	1.8	0	0	16.08	14.08	30,590	0	79,946	0	0	7,107	0	
21	0.15	190.194	644,198	1,071,212	11.6	3,585,613	1,915,400	5,846,185	198,500	3,072,273	13,964	1.8	77,799	3.3	26,454	14.33	14.67	29,072	0	86,891	0	0	0	
22	0.02	190.673	647,532	1,127,553	14.0	3,585,764	1,921,517	5,846,185	198,500	3,096,406	13,964	1.9	78,393	3.4	9,584	13.67	14.50	30,867	0	86,913	0	0	0	
23	0.00	191.139	650,882	1,182,242	19.9	3,586,613	1,925,612	5,846,185	198,500	3,101,500	13,990	2.1	0	0	3.4	9,330	11.83	14.33	30,732	0	0	28,416	0	
24	0.00	191.626	654,213	1,239,783	17.9	3,587,335	1,929,733	5,846,185	198,500	3,115,189	13,990	2.1	0	0	3.2	71,849	11.75	13.83	31,395	0	0	0	0	
25	0.17	192.097	657,375	1,295,542	13.1	3,587,445	1,934,101	5,846,185	198,500	3,124,011	14,014	2.1	0	0	2.7	0	11.79	14.63	31,395	0	0	0	0	
26	0.00	192.567	660,537	1,351,300	8.3	3,587,555	1,938,468	5,846,185	198,500	3,132,832	14,037	2.1	75,605	2.1	15,283	11.83	15.42	31,396	0	43,615	0	0	0	
27	0.12	193.335	665,722	1,408,618	12.5	3,587,559	1,942,711	5,846,185	198,500	3,140,239	14,055	2.1	71,060	2.4	30,433	11.75	15.25	26,612	0	36,622	0	0	0	
28	0.00	193.588	670,565	1,467,847	16.1	3,587,562	1,946,513	5,846,185	198,500	3,147,507	14,071	2.1	105,229	2.6	24,892	11.50	14.75	26,738	0	86,554	0	0	0	
29	0.50	193.957	674,868	1,524,395	17.1	3,587,788	1,949,562	5,846,185	198,500	3,154,668	14,071	2.0	102,108	2.9	8,986	10.17	14.08	31,000	0	85,917	0	0	0	
30	2.22	194.411	678,885	1,579,662	12.9	3,587,927	1,952,946	5,846,185	198,700	3,157,099	14,102	2.2	0	2.9	0	8.58	14.83	27,120	0	28,189	0	0	14,220	0
Totals	12.31												510,194		235,093			715,294	0	1,508,449	0	0	71,078	0

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

Type of Cover	Phases I-VI acres	Sections 7-8 acres	Section 9 acres
Open	0	5	0
Intermediate	139.4	14.3	1.5
Final	23	0	0
Not Opened	0	0	0

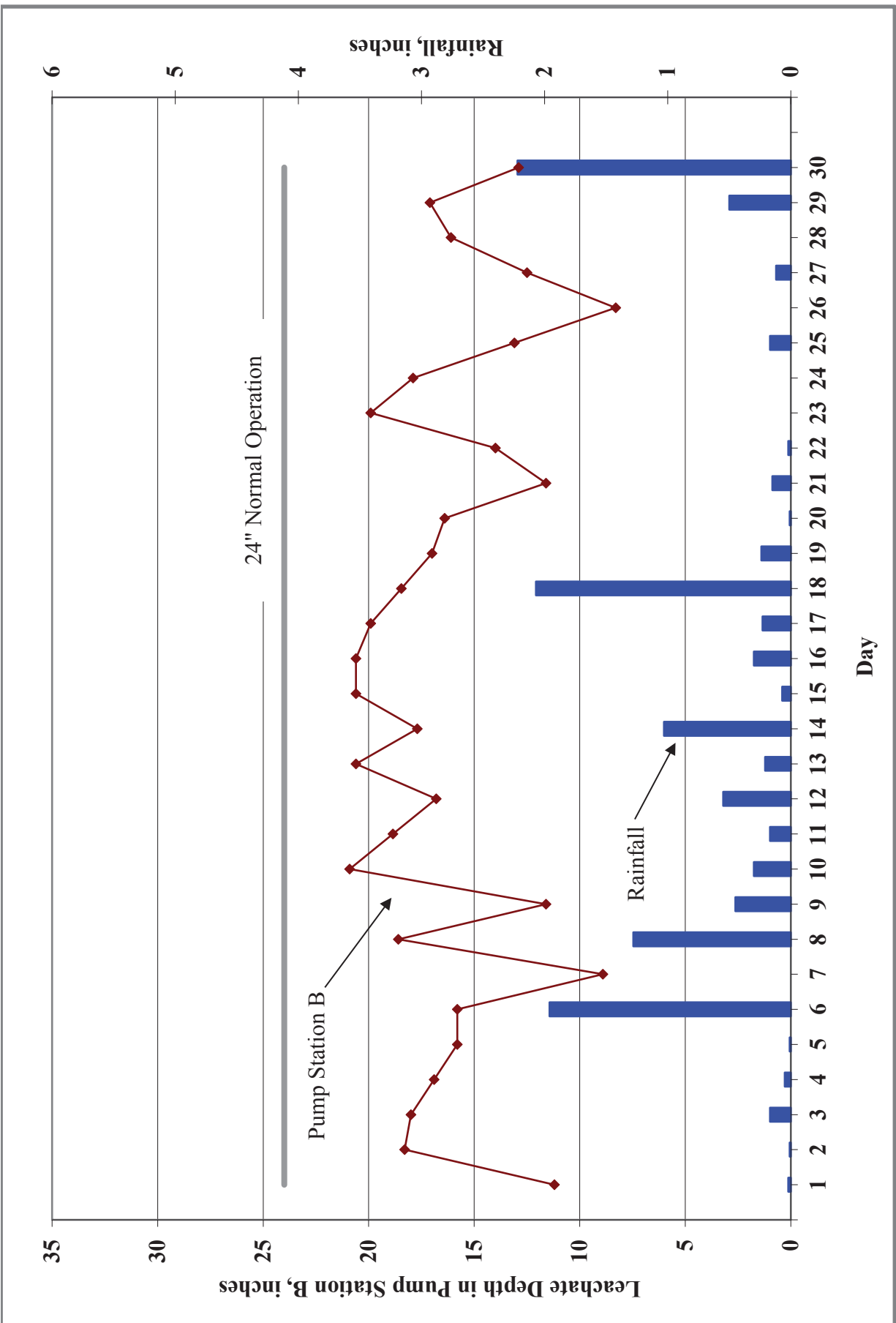


Figure 1. Leachate Levels in Pump Station B and Rainfall for June 2017.

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

	Month	Rainfall (in.)	Leachate Arriving at LTRF							Leachate Leaving LTRF			Effluent Disposal			Inflow / Outflow For LTRF		
			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	2.58	21,470	49,032	81,696	1,849,005	175,666	0	1,165,386	0	951,500	7,425	0	829,485	2,176,868	2,116,886	59,982	
	May	1.97	5,365	46,880	84,635	1,672,229	142,264	0	1,158,105	1,618	841,400	135,383	0	819,657	1,951,373	2,001,123	-49,750	
	June	12.31	8,499	88,631	147,375	1,624,622	120,889	191,200	1,508,449	0	715,000	71,078	0	235,093	2,181,216	2,223,449	-42,233	
	July																	
	August																	
	September																	
	October																	
	November																	
	December																	
	YTD Total	20.75	75,120	355,074	601,037	11,264,502	671,318	191,200	8,025,099	1,618	5,044,100	467,898	0	3,731,437	13,158,250	13,070,817	87,433	

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.