Hsu, Benjamin

From: Curtis, Bob <BCurtis@scsengineers.com>
Sent: Friday, June 15, 2018 2:19 PM
To: Tafuni, Steven
Cc: Madden, Melissa; Morgan, Steve; Dilmore, Cory; Freedenberg, Henry; Kimberly Byer (ByerK@hillsboroughcounty.org); RuizLE@hillsboroughcounty.org; O'Neill, Joseph(Hillsborough County); Pelley, Cindy (Hillsborough County); Michael Townsel; Chamberlain, Justin; Hsu, Benjamin; Guilbeault, Ken; Clark, Bruce; Spradlin, Kollan; Devitt, Caroline; Susan; ttown@ufl.edu; 'Steve Laux'
Subject: Southeast County Landfill OGC File No. 17-0058 - Liquid Assessment Monitoring Monthly Progress Report for May 2018
Attachments: 20180615 May Liquid Assessment Monitoring Monthly Report.pdf

Dear Mr. Tafuni,

On behalf of Hillsborough County Public Works Department, Solid Waste Management Division, SCS Engineers is submitting the attached PDF of the May 2018 monthly progress report for the liquid assessment monitoring and dewatering activities completed at the Southeast County Landfill. This update is being submitted as a requirement of condition 9.(f) of the July 28, 2017 Consent Agreement between the State of Florida Department of Environmental Protection and Hillsborough County.

Please contact Ken Guilbeault (813-804-6716) or Bob Curtis (813-804-6701) if you have any questions or require additional information.

Regards,

Bob

Robert B. Curtis, P.E.
Project Manager
SCS Engineers
3922 Coconut Palm Drive, Suite 102
Tampa, FL 33619
Office (813) 621-0080
Direct (813) 804-6701
bcurtis@scsengineers.com

www.scsengineers.com
Ownership Makes a Difference!

Liquid Assessment Monitoring
Monthly Progress Report for May 2018

Southeast County Landfill
Lithia, Florida

Hillsborough County Public Works Department
Solid Waste Management Division
322 North Falkenburg Road
Tampa, Florida 33619



SCS ENGINEERS

File No. 09215600.06 | **June 15, 2018**
3922 Coconut Palms Drive, Suite 102
Tampa, FL 33619
813-621-0080

LIQUID ASSESSMENT MONITORING
MONTHLY PROGRESS REPORT
FOR MAY 2018

Southeast County Landfill
Lithia, Florida

Submitted to:

Hillsborough County
Public Works Department
Solid Waste Management Division
332 North Falkenburg Road
Tampa, Florida 33619

Prepared by:

SCS ENGINEERS
3922 Coconut Palm Drive, Suite 102
Tampa Florida 33619
(813)-621-0080

June 15, 2018
File No. 09215600.06



6-15-2018

Robert B. Curtis, P.E.
No. 73758

Table of Contents

Section		Page
1	Introduction	1
2	Leachate Pumpage Data	1
	2.1 Supplemental Dewatering Locations	1
	2.1.1 Landfill Gas Extraction Well Network Phases I – VI	1
	2.1.2 Pump Station 2	1
	2.1.3 Dewatering Wells	2
	2.2 Supplemental Leachate Pumpage Data	2
	2.3 Supplemental Leachate Pumpage Data Observations for May 2018	2
3	Piezometer Readings	3
	3.1 Series-1 Piezometer and Precipitation Data Observations for May 2018	3
	3.2 Response of Series-2 Piezometers	4
	3.3 Phase II Cut-off Trench	4
4	Liquid Removal Activities	4
	4.1 Phase II and III Header Excavation	4
	Phase III	4
	Phase II	4
5	Water Balance	5
6	Water Quality	5
	6.1 Quarterly Sampling and Analysis	5
7	Planned Activities	5
	7.1 Continued Evaluation of Series-2 Piezometer Effectiveness	5
	7.2 Meeting with FDEP Regarding Corrective Action Plan	5
8	Conclusions	5

List of Tables

Table 1 Summary of May 2018 Pumping Data

List of Figures

Figure 1 Map of Supplemental Dewatering Locations
Figure 2 Map of Piezometers and Monitoring Points
Figure 3 Map of Phase II and III Excavation and Header Pipes

Appendices

Appendix A Daily Pumpage Data and Graphs
Appendix B Weekly Water Level and Precipitation Data
Appendix C May 2018 Water Balance

1 INTRODUCTION

On behalf of Hillsborough County Public Works Department, Solid Waste Management Division (SWMD), SCS Engineers (SCS) is submitting this report to present the May 2018 monthly progress for the liquid assessment monitoring and dewatering activities completed at the Southeast County Landfill (SCLF) located in Lithia, Florida. This update is being submitted as a requirement of condition 9.(f) of the July 28, 2017, Consent Agreement between the State of Florida Department of Environmental Protection (FDEP) and Hillsborough County, Florida (the County). Condition 9.(f) states that the County shall submit a monthly progress report that, "shall include the preceding monthly leachate generation rates and weekly piezometers readings for the site."

Progress reports have been submitted monthly since July 2017. The following sections update and summarize data collected and actions initiated for the month of May 2018. Leachate pumpage data, piezometer readings, and dewatering activities are addressed below.

2 LEACHATE PUMPAGE DATA

Historically, a pump at permanent Pump Station B (PS-B) has removed leachate from Phases I-VI. As part of the on-going supplemental leachate removal at the SCLF, the SWMD has been pumping from additional locations. The supplemental pump locations are shown in **Figure 1**.

2.1 SUPPLEMENTAL DEWATERING LOCATIONS

2.1.1 Landfill Gas Extraction Well Network Phases I – VI

The SWMD has installed pneumatic pumps in existing Landfill Gas (LFG) Extraction Wells (EW) and Condensate Traps (CT) in the Phase I and II areas. Pumps were installed in four LFG EWs (EW-38, EW-44, EW-48, and EW-66) and three CTs (CT-1, CT-2, and CT-3). Air supply lines to operate the pumps and discharge lines were connected to the existing LFG system.

2.1.2 Pump Station 2

Following the installation of the cut-off trench along the east and southern sides of Phase II, a pump was installed in the cleanout of the header pipe. Pump Station 2 (PS-2) has a vacuum assisted diesel pump located at the eastern edge of Phase II in Cleanout 2-1. PS-2 pumps leachate from the Phase II header to the Main Leachate Pump Station. Pumpage data for PS-2 is included in **Appendix A**.

The SWMD previously operated two additional pumping locations in Phase II of the SCLF that have since been removed due to insufficient liquid quantities at these locations. Temporary Pump Station 2 operated from February 2017 through August 2017. Temporary Pump Station 2B operated from August 2017 through December 2017. **Appendix A** includes the historical pumping data from these two pump locations.

2.1.3 Dewatering Wells

In May 2017, two leachate dewatering wells, with two pumps each, were installed in Phases I and II. The wells extend though the waste and drainage sand to the top of clay. The dewatering wells in Phase I are referred to as DW 1-1 and DW 1-2. The dewatering wells in Phase II are referred to as DW 2-1 and DW 2-2. A set of pneumatic pumps were installed in each of these wells in order to pump leachate from the lower waste and drainage sand layer, thus removing leachate at the lowest elevation possible.

2.2 SUPPLEMENTAL LEACHATE PUMPAGE DATA

As part of the on-going investigation of liquid, the SWMD collects pumping data from each of the supplemental dewatering locations described above. **Table 1** summarizes the monthly pumping totals for May 2018. The daily leachate pumpage data through the end of May 2018 is provided in **Appendix A**.

Table 1. Summary of May 2018 Supplemental Pumping Data

Pump	Phase	Days Operation	Monthly Total (Gallons)
CT-1	II	28	8,842
CT-2	I	24	18,026
CT-3	I	0	-
EW-38	II	0	-
EW-44	I	0	-
EW-48	I	21	1,114
EW-66	II	17	16,850
DW 1-1	I	20	18,003
DW 1-2	I	27	20,603
DW 2-1	II	27	11,137
DW 2-2	II	0	-
PS-2 (CO 2-1)	II	29	585,306
		MAY TOTAL	**679,881**

2.3 SUPPLEMENTAL LEACHATE PUMPAGE DATA OBSERVATIONS FOR MAY 2018

- A total of approximately 679,881 gallons was removed from the Phase I and II areas from supplemental pumping in May 2018. The average daily supplemental withdrawal was approximately 21,932 gallons per day (GPD), based on 31 days.

- During May 2018, the total pumping increased by approximately 22,705 gallons compared to April 2018. This increase is primarily due to the increase flow at CT-1, CT-2, DW 1-1, DW 1-2, and DW 2-1. All other pumping locations decreased from April to May 2018.

- PS-2 pumped 585,306 gallons over 29 days in May, or an average of 20,183 GPD. This is a decrease in total monthly leachate pumped but a slight increase in daily average pumped

compared to April 2018. PS-2 was turned off for maintenance for two days during May 2018.

- Pumping rates in the CTs increased while EWs continued to decrease in May 2018.
- The pneumatic pumps installed in two LFG extraction wells (EW-48, and EW-66) and condensate traps CT-1 and CT-2 removed approximately 1,446 (avg.) GPD combined in May 2018.
- CT-3 continued to be dry.
- LFG extraction wells EW-38 and EW-44 were dry during May 2018. EW-38 has been dry since September 2017.
- On September 30, 2017, the SWMD installed geosynthetic clay liner (GCL) donuts around each of the LFG EWs in an attempt to limit liquid infiltration into the area surrounding the wells. Since the donuts were installed, pumping rates in the EWs have generally followed a downward trend. In May 2018, more than 13-inches of rain was recorded at the SCLF, yet the Series-2 piezometer levels did not respond (increase) as they have in the past. This may indicate that the GCL is reducing infiltration. The upcoming rainy season will provide more insight into the effectiveness of the GCL donuts.
- DW 1-1 pumped for 20 days and DWs 1-2 and 2-1 each pumped for 27 days. DW-1-1, DW 1-2, and DW 2-1 averaged 900, 763, and 412 GPD, respectively.

3 PIEZOMETER READINGS

As part of the on-going investigation of liquid, the SWMD measures piezometer water levels once a week. Piezometers are differentiated by two construction types, Series-1 and Series-2. The Series-1 piezometers are screened in waste. The Series-2 piezometers are screened in the drainage sand layer only. Locations of the current monitoring points are shown in **Figure 2**.

Additionally, daily precipitation data is collected from multiple rain gauges across the site and averaged for a daily rainfall total that is then presented as cumulative weekly rainfall. Weekly water level and precipitation data collected through the end of May is presented in **Appendix B**. Daily precipitation data is available in the water balance report in **Appendix C**.

Two piezometers, SB-22 and SB-31, were removed in May 2018. SB-22D was destroyed during active filling in Phase VI. SB-31 was removed during excavation of the Phase II trench.

3.1 SERIES-1 PIEZOMETER AND PRECIPITATION DATA OBSERVATIONS FOR MAY 2018

The Series-1 piezometers continue to exhibit water levels that fluctuate with total rainfall. An average of 13.66-inches of rain was recorded at the on-site rain gauges in May. Most of the Series-1 piezometers show a downward trend in depth during the month of May.

3.2 RESPONSE OF SERIES-2 PIEZOMETERS

There appears to be a declining trend in liquid levels in most Series-2 piezometers over the past 7 months (**Appendix B**). This may be due to reduced rainfall during that period. However, at most locations the liquid levels in the Series-2 piezometers during May 2018 are comparable to levels in May 2017. The water level tables have been revised to include a column to show the change in liquid level compared to the previous year.

3.3 PHASE II CUT-OFF TRENCH

Monitoring and dewatering of the cut-off trench continues. The liquid levels in monitoring points MP 2-2 and MP 2-3 remained below 2 feet during May 2018. The liquid elevations at MP 2-2 and MP 2-3 were approximately equal during May 2018.

4 LIQUID REMOVAL ACTIVITIES

The SWMD has been following the activities outlined in the Corrective Action Plan (CAP) submitted to the FDEP on June 26, 2017. The SWMD submitted a revised CAP to the FDEP on May 2, 2018. Upon acceptance of the final submittal by the FDEP, the SWMD will begin to implement any changes in activities per the revised CAP.

4.1 PHASE II AND III HEADER EXCAVATION

The SWMD excavated in two areas on the north side of the landfill in an attempt to locate header pipes from April 25 through May 21, 2018. The locations of the trenches and the header pipes are shown in **Figure 3**.

Phase III

The SWMD began excavation near SB-32 along the east side of the Phase III/Phase V berm on April 25, 2018. The trench was observed to be dry, with pockets of liquid trapped in the waste layers. Small isolated puddles of liquid less than 1-inch deep formed in some spots along the bottom of the trench. A survey showed that the elevation of liquid in the trench was 6-inches below the elevation of liquid in SB-32. A similar discrepancy was noted in the Phase II Cut-Off Trench excavation.

The Phase III header pipe was exposed on April 26, 2018. Florida Jet Clean (FJC) cleaned the header pipe with a high pressure jet nozzle and vacuum truck on May 1 and May 2, 2018, to approximately 1,000 feet into the header (length by hose) from the point of discovery, near SB-32. Approximately 60 minutes after commencing jet cleaning in the pipe, a color change was noticed in the leachate being pumped into Pump Station A. This is a good indicator of unobstructed flow from the Phase III header to the sump at PS-B. FJC also conducted downhole video investigations during this time. The camera was able to travel 540 feet into the header. Similar to camera work in Phases I and II, sediment was being pushed into a pile by the camera and it was decided not to advance in order to avoid clogging the pipe. A cleanout riser (CO 3-1) was installed on May 3, 2018.

Phase II

The SWMD began excavation near SB-31 along the east side of the Phase II/Phase III berm on May 7, 2018. The trench was observed to be dry, with pockets of liquid trapped in the waste layers.

The northern Phase II header pipe was discovered on May 10, 2018. A cleanout riser (CO 2-4) was installed on May 17, 2018. FJC was on site on May 14 and 17, 2018 to jet clean the pipe. FJC was able to jet approximately 1,000 feet into the header from the end of the cleanout. Approximately 90 minutes after commencing jet cleaning, a color change was noticed in the leachate being pumped into Pump Station A. This is a good indicator of unobstructed flow from the Phase II header to the sump at PS-B. FJC did not conduct a downhole video investigation of the header pipe.

5 WATER BALANCE

Per the Consent Agreement, the SWMD has been submitting monthly water balance reports to the FDEP prior to the 15th of each month. These reports contain leachate pumpage and storage data at the SCLF. A copy of the May 2018 Water Balance letter is presented in **Appendix C**.

6 WATER QUALITY

6.1 QUARTERLY SAMPLING AND ANALYSIS

Per Condition 10 of the Consent Agreement, the SWMD continued supplemental quarterly evaluation monitoring of select groundwater monitoring wells in May 2018. Laboratory analytical results of the August 2017, November 2017, and February 2018 sampling events show improving water quality at TH-67. The analytical results from the May 2018 groundwater sampling event will be submitted to the FDEP within 60 days of the receipt of the lab results.

7 PLANNED ACTIVITIES

7.1 CONTINUED EVALUATION OF SERIES-2 PIEZOMETER EFFECTIVENESS

The SWMD continues to evaluate the effectiveness of the Series-2 piezometers. The next step (step 3) is to evaluate whether the piezometers effectively detect changes due to pumping. This requires determining the radius of influence of the existing pumps and determining the radius of influence of the piezometers. The results of this investigation will be provided under a separate cover.

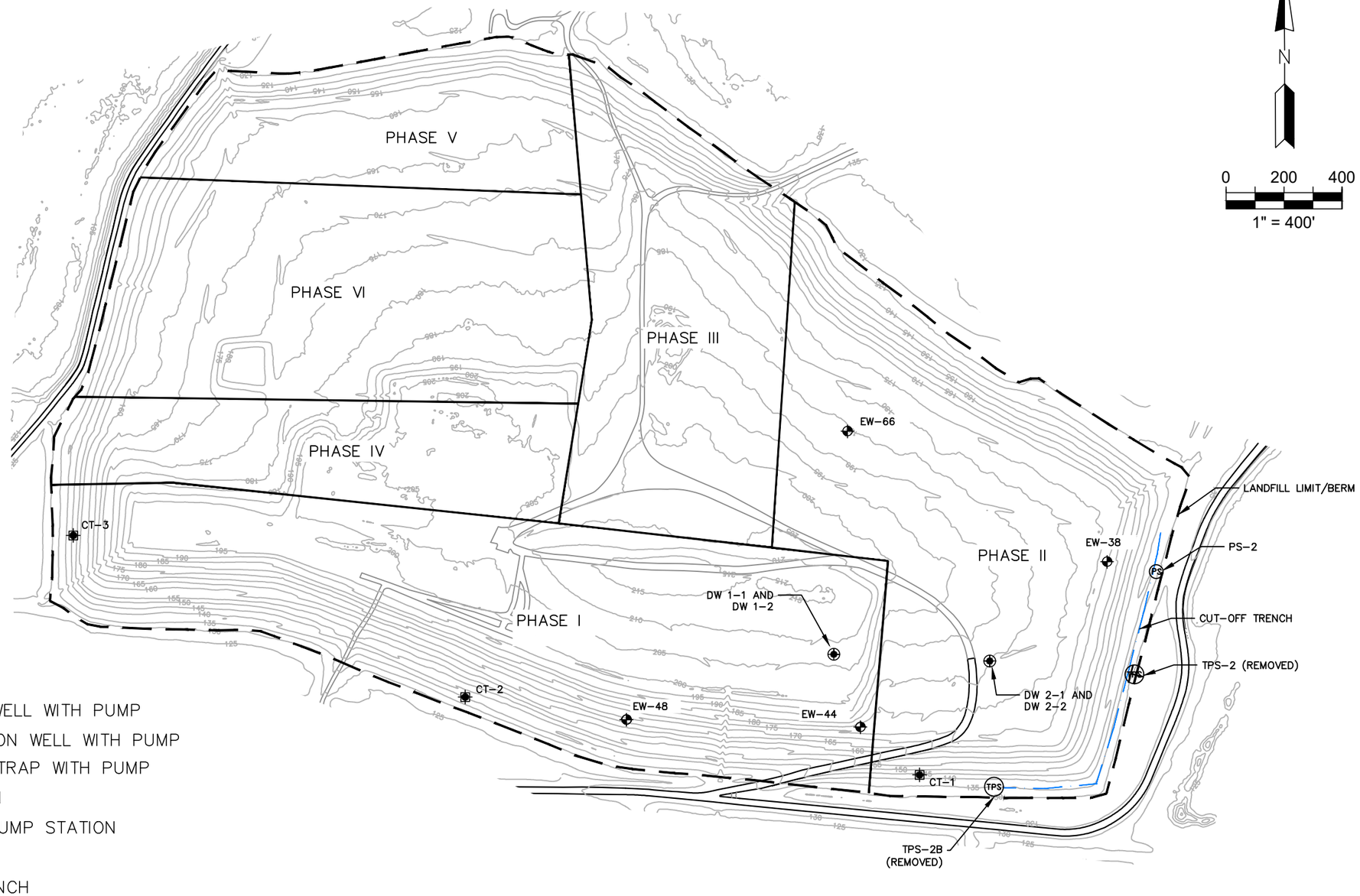
7.2 MEETING WITH FDEP REGARDING CORRECTIVE ACTION PLAN

SCS, the SWMD, and the FDEP plan to meet in the coming weeks to discuss the recently submitted Corrective Action Plan dated May 2, 2018.

8 CONCLUSIONS

The SWMD continues to conduct liquid level assessment and dewatering activities in an effort to gain a more comprehensive understanding of the leachate movement within the landfill and to expedite dewatering in Phases I and II. The SWMD will continue to monitor leachate pumping rates and piezometer liquid levels

FIGURES



LEGEND:

- DEWATERING WELL WITH PUMP
- LFG EXTRACTION WELL WITH PUMP
- CONDENSATE TRAP WITH PUMP
- PUMP STATION (PS)
- TEMPORARY PUMP STATION (TPS)
- PHASE LIMIT
- CUT-OFF TRENCH

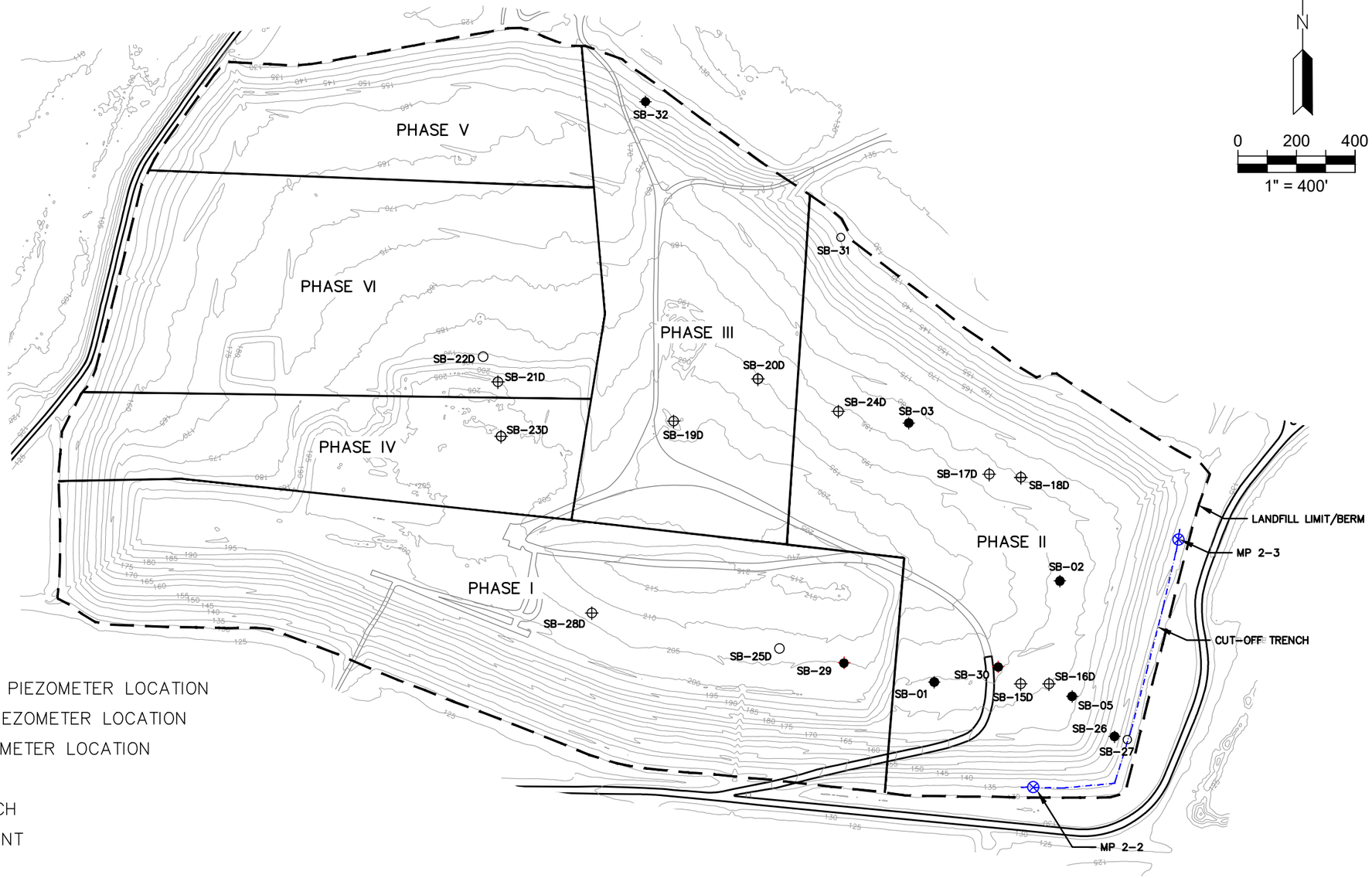
NOTE:
1. TOPOGRAPHIC SURVEY BY PICKETT, JANUARY 2018.

SCS ENGINEERS

F:\PROJECT\HILLSBOROUGH\09215600.05 - ACTIVE LF\PHASE I\1110 - CORRECTIVE ACTION PLAN\MONTHLY PROGRESS REPORTS\CAD\FIGURE 1 - DEWATERING LOCATIONS.DWG

FIGURE 1. MAP OF SUPPLEMENTAL DEWATERING LOCATIONS
SOUTHEAST COUNTY LANDFILL
JUNE 2018

F:\PROJECT\HILLSBOROUGH\092156000.05 - ACTIVE LF\PHASE I\1110 - CORRECTIVE ACTION PLAN\MONTHLY PROGRESS REPORTS\CAD\FIGURE 2 - MONITORING POINTS.DWG



LEGEND:

- SB-21D ⊕ SECOND SERIES PIEZOMETER LOCATION
- SB-03 ● FIRST SERIES PIEZOMETER LOCATION
- SB-27 ○ REMOVED PIEZOMETER LOCATION
- PHASE LIMIT
- CUT-OFF TRENCH
- ⊗ MONITORING POINT

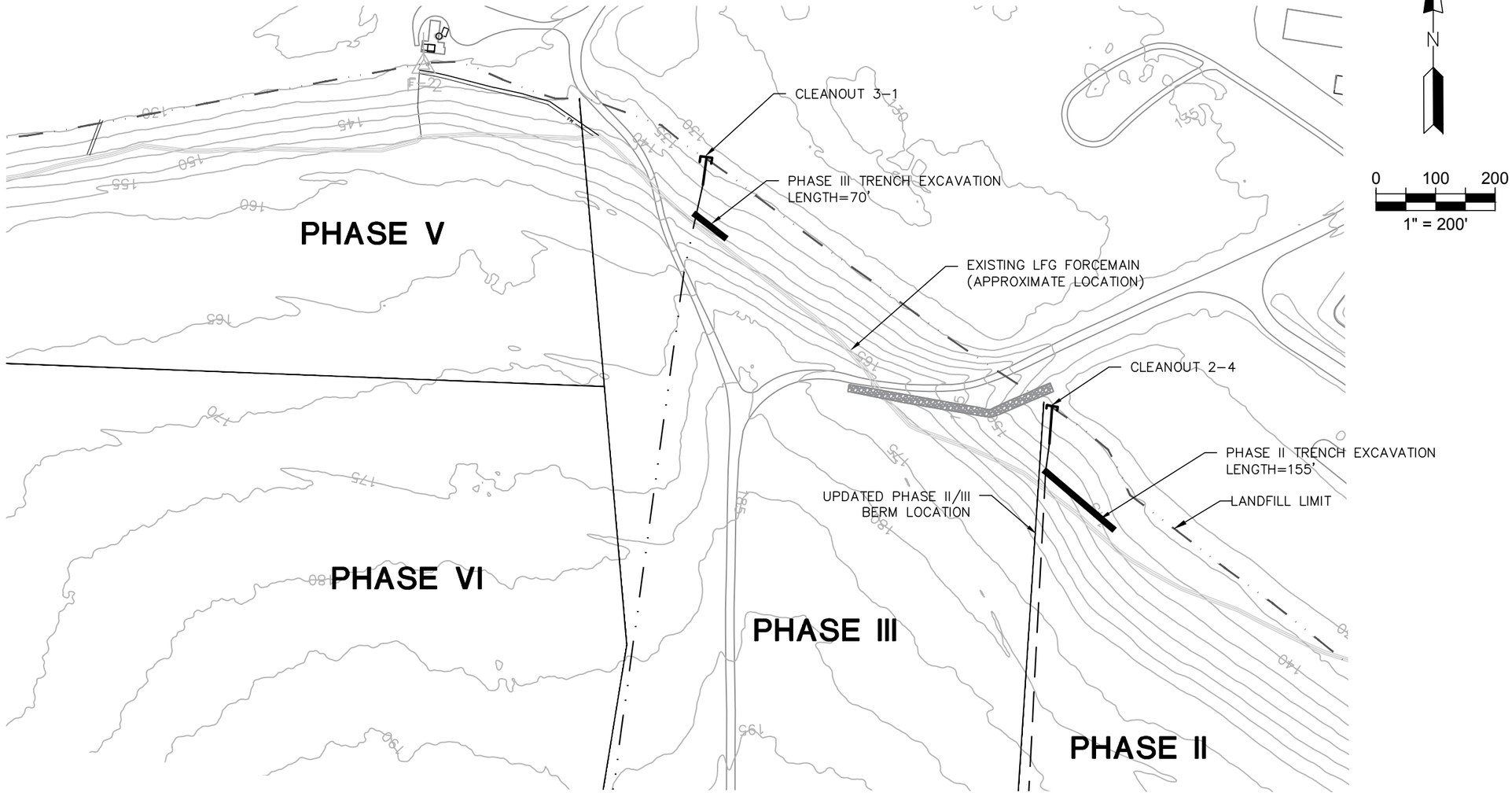
NOTE:

1. TOPOGRAPHIC SURVEY BY PICKETT, JANUARY 2018.

SCS ENGINEERS

FIGURE 2. MAP OF PIEZOMETERS AND MONITORING POINTS
SOUTHEAST COUNTY LANDFILL
JUNE 2018

F:\PROJECT\HILLSBOROUGH\092156000.06 - ACTIVE LANDFILL\PHASE I\11100 - CORRECTIVE ACTION PLAN\PHASE III HEADER\DRAWINGS\PHASE II AND III HEADER MAP ASB.DWG



LEGEND:

PHASE III LEACHATE COLLECTION PIPE

PHASE II LEACHATE COLLECTION PIPE

SOLID HDPE CLEANOUT PIPE

SCS ENGINEERS

FIGURE 3: PHASE II AND III TRENCHES AND HEADER PIPES
SOUTHEAST COUNTY LANDFILL
JUNE 2018

Appendix A

Daily Pumpage Data and Graphs

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells							CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
12/21/2016	0	0	0	0	988	537	0	1,525			0		1,525	
12/22/2016	0	0	0	0	754	433	0	1,187			0		1,187	
12/23/2016	0	0	0	0	1,016	568	0	1,584	4,296	614	0		1,584	
12/24/2016	0	0	0	0	0	0	0	0			0		0	
12/25/2016	0	0	0	0	165	91	0	256			0		256	
12/26/2016	0	0	0	0	1,526	745	0	2,271			0		2,271	
12/27/2016	0	0	0	0	710	500	0	1,210			0		1,210	
12/28/2016	0	0	0	0	1,192	500	0	1,692			0		1,692	
12/29/2016	0	0	0	0	854	468	0	1,322			0		1,322	
12/30/2016	0	0	0	0	824	449	0	1,273	8,024	1146	0		1,273	
12/31/2016	0	0	0	0	0	0	0	0			0		0	
1/1/2017	0	0	0	0	231	124	0	355			0		355	
1/2/2017	0	0	0	0	1,483	730	0	2,213			0		2,213	
1/3/2017	0	0	0	0	823	422	0	1,245			0		1,245	
1/4/2017	0	0	0	0	893	470	0	1,363			0		1,363	
1/5/2017	2,004	0	0	0	799	421	0	3,224			2004		1,220	
1/6/2017	514	0	0	0	791	427	0	1,732	10,132	1447	514		1,218	
1/7/2017	0	0	0	0	0	0	0	0			0		0	
1/8/2017	806	0	0	0	280	139	0	1,225			806		419	
1/9/2017	761	0	0	0	584	1,451	0	2,796			761		2,035	
1/10/2017	0	0	0	0	0	0	0	0			0		0	
1/11/2017	4,435	0	0	0	1,722	117	0	6,274			4435		1,839	
1/12/2017	2,341	0	0	0	897	652	0	3,890			2341		1,549	
1/13/2017	2,173	0	0	0	808	551	0	3,532	17,717	2531	2173		1,359	
1/14/2017	812	0	0	0	290	247	0	1,349			812		537	
1/15/2017	0	934	0	0	0	0	0	934			934		0	
1/16/2017	2,884	584	0	0	1,386	1,133	0	5,987			3468		2,519	
1/17/2017	2,610	89	0	0	914	789	0	4,402			2699		1,703	
1/18/2017	2,700	106	0	0	871	747	0	4,424			2806		1,618	
1/19/2017	2,068	260	0	0	635	601	0	3,564			2328		1,236	
1/20/2017	2,569	336	0	0	777	714	0	4,396	25,056	3579	2905		1,491	
1/21/2017	0	0	0	0	0	0	0	0			0		0	
1/22/2017	973	430	0	0	259	266	0	1,928			1403		525	
1/23/2017	3,074	164	0	0	1,305	1,113	0	5,656			3238		2,418	
1/24/2017	2,030	173	0	0	737	615	0	3,555			2203		1,352	
1/25/2017	1,737	488	0	0	666	623	0	3,514			2225		1,289	
1/26/2017	1,680	469	0	0	646	642	0	3,437			2149		1,288	
1/27/2017	1,531	250	0	0	608	473	0	2,862	20,952	2993	1781		1,081	
1/28/2017	1,664	87	0	0	608	401	0	2,760			1751		1,009	
1/29/2017	1,664	77	0	0	608	401	0	2,750			1741		1,009	
1/30/2017	808	0	0	0	647	386	0	1,841			808		1,033	
1/31/2017	2,139	36	0	0	776	412	0	3,363			2175		1,188	
2/1/2017	1,887	62	0	0	661	434	0	3,044			1949		1,095	
2/2/2017	1887	62	0	0	661	434	0	3,044			1949		1,095	
2/3/2017	2992	626	0	0	959	684	0	5,261	22,063	3152	3618		1,643	
2/4/2017	2992	626	0	0	1109	685	0	5,412			3618		1,794	
2/5/2017	0	0	0	0	0	0	0	0			0		0	
2/6/2017	1164	351	0	0	643	370	0	2,528			1515		1,013	
2/7/2017	0	434	0	0	579	439	0	1,452			434		1,018	
2/8/2017	6303	434	0	0	770	449	0	7,956			6737		1,219	
2/9/2017	8443	436	0	0	686	424	0	9,989			8879		1,110	
2/10/2017	7597	382	0	0	516	355	0	8,850	36,187	5170	7979		871	
2/11/2017	9119	322	0	0	645	443	0	10,529			9441		1,088	
2/12/2017	9119	322	0	0	645	443	0	10,529			9441		1,088	
2/13/2017	9208	0	0	0	813	444	0	10,465			9208		1,257	
2/14/2017	9731	0	0	0	1178	452	0	11,361			9731		1,630	
2/15/2017	9807	0	0	0	886	445	0	11,138			9807		1,331	
2/16/2017	9233	0	0	0	712	404	0	10,349			9233		1,116	
2/17/2017	7652	0	0	0	552	342	0	8,546	72,917	10417	7652		894	
2/18/2017	9223	1	0	0	543	399	0	10,166			9224		942	

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells					WEEKLY		CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
2/19/2017	9223	1	0	0	543	399	0	10,166			9224		942	
2/20/2017	9480	0	0	0	516	424	0	10,420			9480		940	
2/21/2017	9836	0	0	0	578	427	0	10,841			9836		1,005	
2/22/2017	9142	0	0	0	595	421	0	10,158			9142		1,016	
2/23/2017	4816	83	0	0	580	496	0	5,975			4899		1,076	
2/24/2017	4923	32	0	0	480	410	0	5,845	63,571	9082	4955		890	
2/25/2017	3677	0	0	0	459	368	0	4,504			3677		827	
2/26/2017	3677	0	0	0	459	368	0	4,504			3677		827	
2/27/2017	1580	2	0	0	439	418	0	2,439			1582		857	
2/28/2017	1574	0	0	0	481	447	0	2,502			1574		928	
3/1/2017	1667	158	0	0	504	455	0	2,784			1825		959	
3/2/2017	2182	364	0	0	429	515	0	3,490			2546		944	
3/3/2017	1327	168	0	0	201	329	0	2,025	22,248	3178	1495	2339	530	839
3/4/2017	1327	168	0	0	201	329	0	2,025			1495		530	
3/5/2017	1327	168	0	0	201	329	0	2,025			1495		530	
3/6/2017	1392	358	0	0	330	326	0	2,406			1750		656	
3/7/2017	1635	803	0	0	519	422	0	3,379			2438		941	
3/8/2017	1424	133	0	0	458	367	0	2,382			1557		825	
3/9/2017	1680	205	0	0	510	418	0	2,813			1885		928	
3/10/2017	2090	366	0	0	543	420	0	3,419	18,449	2636	2456	1868	963	768
3/11/2017	2289	268	0	0	585	382	0	3,524			2557		967	
3/12/2017	2289	268	0	0	585	382	0	3,524			2557		967	
3/13/2017	2625	13	0	0	647	346	0	3,631			2638		993	
3/14/2017	2039	287	0	0	501	350	0	3,177			2326		851	
3/15/2017	1356	476	0	0	453	306	0	2,591			1832		759	
3/16/2017	1018	409	0	0	385	268	0	2,080			1427		653	
3/17/2017	1028	0	0	0	443	336	0	1,807	20,334	2905	1028	2052	779	853
3/18/2017	1430	195	0	0	524	452	0	2,601			1625		976	
3/19/2017	1430	195	0	0	524	452	0	2,601			1625		976	
3/20/2017	917	282	0	0	400	229	0	1,828			1199		629	
3/21/2017	1599	467	0	0	487	409	0	2,962			2066		896	
3/22/2017	1618	412	0	0	510	335	0	2,875			2030		845	
3/23/2017	1327	411	0	0	452	299	0	2,489			1738		751	
3/24/2017	1622	313	0	0	608	322	0	2,865	18,221	2603	1935	1745	930	858
3/25/2017	1739	0	0	0	298	370	0	2,407			1739		668	
3/26/2017	1739	0	0	0	298	370	0	2,407			1739		668	
3/27/2017	1500	0	0	0	360	403	0	2,263			1500		763	
3/28/2017	1324	0	0	0	339	409	0	2,072			1324		748	
3/29/2017	1042	0	0	0	335	383	0	1,760			1042		718	
3/30/2017	1408	0	0	0	388	445	0	2,241			1408		833	
3/31/2017	1056	0	0	0	411	390	0	1,857	15,007	2144	1056	1401	801	743
4/1/2017	982	0	0	0	426	427	0	1,835			982		853	
4/2/2017	982	0	0	0	426	427	0	1,835			982		853	
4/3/2017	909	0	0	0	366	411	0	1,686			909		777	
4/4/2017	786	0	0	0	185	352	0	1,323			786		537	
4/5/2017	827	1	0	0	376	440	0	1,644			828		816	
4/6/2017	643	1	8	0	245	306	0	1,203			652		551	
4/7/2017	537	1	0	0	204	283	0	1,025	10,551	1507	538	811	487	696
4/8/2017	90	0	0	0	59	64	0	213			90		123	
4/9/2017	0	0	0	0	0	0	0	0			0		0	
4/10/2017	241	0	0	0	368	239	0	848			241		607	
4/11/2017	464	0	0	141	304	234	0	1,143			464		679	
4/12/2017	795	2	0	111	320	379	1121	2,728			797		1,931	
4/13/2017	952	0	0	90	292	374	510	2,218			952		1,266	
4/14/2017	747	1	0	55	345	316	363	1,827	8,977	1282	748	470	1,079	812
4/15/2017	638	0	0	55	397	336	334	1,760			638		1,122	
4/16/2017	638	0	0	55	397	336	334	1,760			638		1,122	
4/17/2017	136	0	0	59	403	347	298	1,243			136		1,107	
4/18/2017	1118	0	0	46	451	364	335	2,314			1118		1,196	
4/19/2017	407	0	0	40	336	252	233	1,268			407		861	

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells							CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
4/20/2017	551	0	0	49	437	333	293	1,663			551		1,112	
4/21/2017	537	0	0	66	396	287	281	1,567	11,575	1654	537	575	1,030	1079
4/22/2017	661	0	0	76	460	347	283	1,827			661		1,166	
4/23/2017	661	0	0	76	460	347	283	1,827			661		1,166	
4/24/2017	566	0	0	57	353	255	248	1,479			566		913	
4/25/2017	529	0	0	31	380	281	256	1,477			529		948	
4/26/2017	478	0	0	24	369	293	258	1,422			478		944	
4/27/2017	376	0	0	12	355	307	264	1,314			376		938	
4/28/2017	258	0	0	0	351	293	235	1,137	10,483	1498	258	504	879	993
4/29/2017	287	0	0	2	376	284	243	1,192			287		905	
4/30/2017	287	0	0	2	376	284	243	1,192			287		905	
5/1/2017	311	0	0	2	378	271	243	1,205			311		894	
5/2/2017	316	0	2	4	380	279	240	1,221			318		903	
5/3/2017	343	0	0	4	340	275	241	1,203			343		860	
5/4/2017	429	0	0	38	340	264	256	1,327			429		898	
5/5/2017	334	0	0	15	340	219	220	1,128	8,468	1210	334	330	794	880
5/6/2017	87	0	0	0	340	274	218	919			87		832	
5/7/2017	87	0	0	0	340	274	218	919			87		832	
5/8/2017	95	0	0	0	340	185	213	833			95		738	
5/9/2017	233	0	0	0	340	266	215	1,054			233		821	
5/10/2017	187	0	0	0	340	289	207	1,023			187		836	
5/11/2017	259	0	0	0	340	329	234	1,162			259		903	
5/12/2017	331	0	0	8	344	318	213	1,214	7,124	1018	331	183	883	835
5/13/2017	335	4	0	10	371	303	62	1,085			339		746	
5/14/2017	335	4	0	10	371	303	62	1,085			339		746	
5/15/2017	239	0	0	0	335	276	0	850			239		611	
5/16/2017	204	0	0	0	300	235	233	972			204		768	
5/17/2017	247	0	0	0	328	308	0	883			247		636	
5/18/2017	243	0	0	0	351	340	0	934			243		691	
5/19/2017	204	0	0	0	304	291	0	799	6,608	944	204	259	595	685
5/20/2017	255	0	0	0	332	309	274	1,170			255		915	
5/21/2017	255	0	0	0	332	309	274	1,170			255		915	
5/22/2017	334	0	0	0	302	285	240	1,161			334		827	
5/23/2017	338	0	0	0	317	270	230	1,155			338		817	
5/24/2017	394	0	0	3	337	278	237	1,249			394		855	
5/25/2017	306	0	0	0	314	252	208	1,080			306		774	
5/26/2017	286	0	0	0	270	229	190	975	7,960	1137	286	310	689	827
5/27/2017	353	0	0	0	294	261	197	1,105			353		752	
5/28/2017	353	0	0	0	294	261	197	1,105			353		752	
5/29/2017	353	0	0	0	294	261	197	1,105			353		752	
5/30/2017	355	0	0	0	288	264	191	1,098			355		743	
5/31/2017	355	0	0	0	301	266	189	1,111			355		756	
6/1/2017	315	0	0	0	304	262	194	1,075			315		760	
6/2/2017	371	0	0	0	277	207	189	1,044	7,643	1092	371	351	673	741
6/3/2017	364	0	0	0	302	218	189	1,073			364		709	
6/4/2017	364	0	0	0	302	218	189	1,073			364		709	
6/5/2017	425	0	0	0	308	208	187	1,128			425		703	
6/6/2017	402	0	0	0	316	204	216	1,138			402		736	
6/7/2017	449	0	0	0	32	195	197	873			449		424	
6/8/2017	442	0	0	0	556	176	159	1,333			442		891	
6/9/2017	454	0	0	0	262	205	0	921	7,539	1077	454	414	467	663
6/10/2017	488	0	0	0	279	199	0	966			488		478	
6/11/2017	488	0	0	0	279	199	0	966			488		478	
6/12/2017	424	0	0	0	270	186	0	880			424		456	
6/13/2017	428	0	0	0	248	192	0	868			428		440	
6/14/2017	442	0	0	0	276	198	0	916			442		474	
6/15/2017	511	0	0	0	296	237	0	1,044			511		533	
6/16/2017	395	0	0	0	281	227	0	903	6,543	935	395	454	508	481
6/17/2017	96	0	0	2	101	99	279	577			96		481	
6/18/2017	96	0	0	2	101	99	279	577			96		481	

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells							CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
6/19/2017	113	0	0	19	314	190	500	1,136			113		1,023	
6/20/2017	415	0	0	8	301	256	0	980			415		565	
6/21/2017	585	0	0	0	274	234	0	1,093			585		508	
6/22/2017	663	0	0	0	288	247	0	1,198			663		535	
6/23/2017	619	0	0	0	268	250	0	1,137	6,698	957	619	370	518	587
6/24/2017	571	0	0	0	263	244	0	1,078			571		507	
6/25/2017	571	0	0	0	263	244	0	1,078			571		507	
6/26/2017	518	0	0	0	266	241	0	1,025			518		507	
6/27/2017	495	0	0	0	267	240	0	1,002			495		507	
6/28/2017	490	0	0	0	260	242	395	1,387			490		897	
6/29/2017	484	0	0	0	277	243	234	1,238			484		754	
6/30/2017	190	0	0	0	241	192	0	623	7,431	1062	190	474	433	587
7/1/2017	113	0	0	0	235	199	0	547			113		434	
7/2/2017	113	0	0	0	235	199	0	547			113		434	
7/3/2017	388	0	0	0	278	250	0	916			388		528	
7/4/2017	388	0	0	0	278	250	0	916			388		528	
7/5/2017	411	0	0	0	204	265	337	1,217			411		806	
7/6/2017	473	0	0	0	339	291	0	1,103			473		630	
7/7/2017	483	0	0	0	255	295	393	1,426	6,672	953	483	338	943	615
7/8/2017	492	0	0	0	286	296	0	1,074			492		582	
7/9/2017	492	0	0	0	286	296	0	1,074			492		582	
7/10/2017	451	0	0	12	288	295	220	1,266			451		815	
7/11/2017	399	0	0	0	241	296	15	951			399		552	
7/12/2017	342	0	0	0	259	304	50	955			342		613	
7/13/2017	473	0	0	0	281	371	1	1,126			473		653	
7/14/2017	873	0	0	0	263	316	0	1,452	7,898	1128	873	503	579	625
7/15/2017	475	0	0	0	269	496	1	1,241			475		766	
7/16/2017	475	0	0	0	269	496	1	1,241			475		766	
7/17/2017	529	0	0	0	221	642	0	1,392			529		863	
7/18/2017	389	0	0	0	226	520	0	1,135			389		746	
7/19/2017	505	0	0	0	331	847	0	1,683			505		1,178	
7/20/2017	435	0	0	0	257	712	0	1,404			435		969	
7/21/2017	464	0	0	0	273	756	1814	3,307	11,403	1629	464	467	2,843	1162
7/22/2017	470	0	0	0	285	712	608	2,075			470		1,605	
7/23/2017	470	0	0	0	285	712	608	2,075			470		1,605	
7/24/2017	523	0	0	0	304	838	424	2,089			523		1,566	
7/25/2017	513	0	0	0	301	843	363	2,020			513		1,507	
7/26/2017	529	0	0	0	323	919	328	2,099			529		1,570	
7/27/2017	540	0	0	0	340	873	94	1,847			540		1,307	
7/28/2017	528	0	0	0	319	771	0	1,618	13,823	1975	528	510	1,090	1464
7/29/2017	526	0	0	0	330	730	0	1,586			526		1,060	
7/30/2017	526	0	0	0	330	730	0	1,586			526		1,060	
7/31/2017	2884	105	0	1027	398	613	0	5,027			2989		2,038	
8/1/2017	1634	0	0	886	406	895	5	3,826			1634		2,192	
8/2/2017	656	0	0	735	318	377	1353	3,439			656		2,783	
8/3/2017	942	0	0	902	348	941	6393	9,526			942		8,584	
8/4/2017	1005	0	0	833	324	990	5261	8,413	33,403	4772	1005	1183	7,408	3589
8/5/2017	986	0	0	1267	357	1331	6135	10,076			986		9,090	
8/6/2017	986	0	0	1267	357	1331	6135	10,076			986		9,090	
8/7/2017	1041	0	0	1579	391	1574	6173	10,758			1041		9,717	
8/8/2017	828	0	0	1512	363	1193	5553	9,449			828		8,621	
8/9/2017	913	0	0	1518	412	1364	5862	10,069			913		9,156	
8/10/2017	898	0	0	1571	426	1349	6181	10,425			898		9,527	
8/11/2017	889	0	0	1535	451	1313	5949	10,137	70,990	10141	889	934	9,248	9207
8/12/2017	720	0	0	1399	455	1019	5697	9,290			720		8,570	
8/13/2017	720	0	0	1399	455	1019	5697	9,290			720		8,570	
8/14/2017	748	0	0	1427	493	1049	5987	9,704			748		8,956	
8/15/2017	696	0	0	1378	502	1089	5921	9,586			696		8,890	
8/16/2017	674	0	0	1341	510	980	5974	9,479			674		8,805	
8/17/2017	701	0	0	1341	540	959	5976	9,517			701		8,816	

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells							CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
8/18/2017	630	0	0	1378	543	1044	6632	10,227	67,093	9585	630	698	9,597	8886
8/19/2017	665	0	0	1314	509	1041	6540	10,069			665		9,404	
8/20/2017	665	0	0	1314	509	1041	6540	10,069			665		9,404	
8/21/2017	662	0	0	1093	453	932	5934	9,074			662		8,412	
8/22/2017	595	0	0	1215	437	896	6642	9,785			595		9,190	
8/23/2017	669	0	0	1220	610	856	6367	9,722			669		9,053	
8/24/2017	730	0	0	1190	509	845	5965	9,239			730		8,509	
8/25/2017	866	0	0	1112	498	702	6612	9,790	67,748	9678	866	693	8,924	8985
8/26/2017	4390	13	0	1235	550	719	6530	13,437			4403		9,034	
8/27/2017	4390	13	0	1235	550	719	6530	13,437			4403		9,034	
8/28/2017	6605	0	0	1017	465	842	5286	14,215			6605		7,610	
8/29/2017	5418	0	0	1268	0	1012	6422	14,120			5418		8,702	
8/30/2017	16198	0	0	1409	1290	1467	6447	26,811			16198		10,613	
8/31/2017	12471	0	0	1504	518	2345	5610	22,448			12471		9,977	
9/1/2017	5913	0	0	2207	607	1948	4675	15,350	119,818	19970	5913	7916	9,437	7853
9/2/2017	8289	0	0	3816	915	2967	9150	25,137			8289		16,848	
9/3/2017	4144	0	0	1908	458	1483	4575	12,568			4144		8,424	
9/4/2017	4144	0	0	1908	458	1483	4575	12,568			4144		8,424	
9/5/2017	6165	0	0	1597	425	1278	3723	13,188			6165		7,023	
9/6/2017	12707	12	0	3395	732	2692	5786	25,324			12719		12,605	
9/7/2017	0	13	0	0	0	0	0	13			13		0	
9/8/2017	26709	0	0	5127	1493	4083	11836	49,248	138,046	23008	26709	8883	22,539	10838
9/9/2017	0	0	0	0	0	0	0	0			0		0	
9/10/2017	0	0	0	0	0	0	0	0			0		0	
9/11/2017	0	0	0	0	0	0	0	0			0		0	
9/12/2017	0	0	0	0	0	0	0	0			0		0	
9/13/2017	0	0	0	0	0	0	0	0			0		0	
9/14/2017	21344	0	0	3502	1320	2680	8439	37,285			21344		15,941	
9/15/2017	0	0	0	0	0	0	0	0	37,285	6214	0	3049	0	2277
9/16/2017	0	0	0	0	0	0	0	0			0		0	
9/17/2017	0	0	0	0	0	0	1	1			0		1	
9/18/2017	0	0	0	0	0	0	0	0			0		0	
9/19/2017	7629	31	0	392	0	4315	0	12,367			7660		4,707	
9/20/2017	140	0	0	511	0	521	0	1,172			140		1,032	
9/21/2017	0	5110	0	0	0	0	0	5,110			5110		0	
9/22/2017	8150	2	0	6725	0	5399	6674	26,950	45,600	6514	8152	3009	18,798	3505
9/23/2017	26000	1	0	2702	0	3368	6243	38,314			26001		12,313	
9/24/2017	11193	1	0	0	0	2774	6248	20,216			11194		9,022	
9/25/2017	10065	1	0	1	0	2183	5053	17,303			10066		7,237	
9/26/2017	9428	3	0	0	0	2637	5344	17,412			9431		7,981	
9/27/2017	8577	726	0	0	0	1729	4877	15,909			9303		6,606	
9/28/2017	0	1	0	1	0	2032	1	2,035			1		2,034	
9/29/2017	9529	2	0	0	0	2217	4744	16,492	127,681	18240	9531	10790	6,961	7451
9/30/2017	9140	329	0	0	0	2175	6076	17,720			9469		8,251	
10/1/2017	9140	329	0	0	0	2175	6076	17,720			9469		8,251	
10/2/2017	7072	123	0	0	0	1615	5565	14,375			7195		7,180	
10/3/2017	8375	139	0	0	0	1806	6147	16,467			8514		7,953	
10/4/2017	7611	152	0	0	1797	1729	5180	16,469			7763		8,706	
10/5/2017	8547	122	0	0	1465	1606	6413	18,153			8669		9,484	
10/6/2017	9391	141	0	0	724	1769	5029	17,054	117,958	16851	9532	8659	7,522	8192
10/7/2017	9752	138	0	0	875	1554	4700	17,019			9890		7,129	
10/8/2017	9752	138	0	0	875	1554	4700	17,019			9890		7,129	
10/9/2017	9719	142	0	0	753	1322	4344	16,280			9861		6,419	
10/10/2017	9255	152	0	0	808	1002	4416	15,633			9407		6,226	
10/11/2017	12813	184	0	0	1081	1642	7263	22,983			12997		9,986	
10/12/2017	8344	116	0	0	845	809	5178	15,292			8460		6,832	
10/13/2017	10651	142	0	0	704	872	6218	18,587	122,813	17545	10793	10185	7,794	7359
10/14/2017	12707	151	0	0	747	1233	7480	22,318			12858		9,460	
10/15/2017	12707	151	0	0	747	1233	7480	22,318			12858		9,460	
10/16/2017	8834	100	0	0	516	803	5286	15,539			8934		6,605	

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells					WEEKLY		CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
10/17/2017	6624	134	0	0	617	954	6393	14,722			6758		7,964	
10/18/2017	17264	132	0	0	646	1002	6711	25,755			17396		8,359	
10/19/2017	11304	137	0	0	646	1192	6715	19,994			11441		8,553	
10/20/2017	8111	114	0	0	556	901	6031	15,713	136,359	19480	8225	11210	7,488	8270
10/21/2017	12024	130	0	0	600	1014	255	14,023			12154		1,869	
10/22/2017	12024	130	0	0	600	1014	255	14,023			12154		1,869	
10/23/2017	12762	126	0	0	623	989	34	14,534			12888		1,646	
10/24/2017	12685	115	0	0	590	844	942	15,176			12800		2,376	
10/25/2017	4103	37	0	0	179	316	1850	6,485			4140		2,345	
10/26/2017	8968	159	0	0	714	1229	4901	15,971			9127		6,844	
10/27/2017	14467	147	0	0	635	931	6809	22,989	103,201	14743	14614	11125	8,375	3618
10/28/2017	14467	147	0	0	635	931	6809	22,989			14614		8,375	
10/29/2017	14467	147	0	0	635	931	6809	22,989			14614		8,375	
10/30/2017	9801	0	0	0	130	577	4877	15,385			9801		5,584	
10/31/2017	14288	117	0	0	756	983	6217	22,361			14405		7,956	
11/1/2017	17179	165	0	0	633	1207	7588	26,772			17344		9,428	
11/2/2017	8928	80	0	0	395	802	4657	14,862			9008		5,854	
11/3/2017	13372	118	0	0	501	983	5728	20,702	146,060	20866	13490	13325	7,212	7541
11/4/2017	14005	129	0	0	494	961	6190	21,779			14134		7,645	
11/5/2017	14005	129	0	0	494	961	6190	21,779			14134		7,645	
11/6/2017	14288	131	0	0	484	911	6847	22,661			14419		8,242	
11/7/2017	14501	132	0	0	522	929	6299	22,383			14633		7,750	
11/8/2017	6774	134	0	0	281	459	3261	10,909			6908		4,001	
11/9/2017	14000	166	0	0	575	1078	0	15,819			14166		1,653	
11/10/2017	12305	176	0	0	473	868	11930	25,752	141,082	20155	12481	12982	13,271	7172
11/11/2017	12380	188	0	0	474	867	6886	20,795			12568		8,227	
11/12/2017	12380	188	0	0	474	867	6886	20,795			12568		8,227	
11/13/2017	13259	165	0	0	461	765	6631	21,281			13424		7,857	
11/14/2017	14314	180	0	0	443	807	6189	21,933			14494		7,439	
11/15/2017	15099	193	0	0	479	825	6423	23,019			15292		7,727	
11/16/2017	14156	182	0	0	444	735	6326	21,843			14338		7,505	
11/17/2017	13634	125	0	0	401	607	5496	20,263	149,929	21418	13759	13778	6,504	7641
11/18/2017	14368	183	0	0	452	756	5962	21,721			14551		7,170	
11/19/2017	14368	183	0	0	452	756	5962	21,721			14551		7,170	
11/20/2017	13812	174	0	0	420	636	6450	21,492			13986		7,506	
11/21/2017	13691	177	0	0	431	621	5573	20,493			13868		6,625	
11/22/2017	13723	162	0	0	437	695	6165	21,182			13885		7,297	
11/23/2017	13723	162	0	0	437	695	6165	21,182			13885		7,297	
11/24/2017	14257	140	0	0	360	456	5504	20,717	148,508	21215	14397	14160	6,320	7055
11/25/2017	14654	150	0	0	393	575	6124	21,896			14804		7,092	
11/26/2017	14654	150	0	0	393	575	6124	21,896			14804		7,092	
11/27/2017	13301	155	0	0	387	524	5953	20,320			13456		6,864	
11/28/2017	14420	187	0	0	374	612	5900	21,493			14607		6,886	
11/29/2017	14844	192	0	0	409	664	6286	22,395			15036		7,359	
11/30/2017	12815	167	0	0	394	553	5949	19,878			12982		6,896	
12/1/2017	14531	167	0	0	365	579	5773	21,415	149,293	21328	14698	14341	6,717	6987
12/2/2017	14202	181	0	0	387	599	6185	21,554			14383		7,171	
12/3/2017	14202	181	0	0	387	599	6185	21,554			14383		7,171	
12/4/2017	16926	233	0	0	390	693	6577	24,819			17159		7,660	
12/5/2017	12181	137	0	0	386	565	6100	19,369			12318		7,051	
12/6/2017	14969	152	0	0	466	755	7260	23,602			15121		8,481	
12/7/2017	9028	199	0	0	279	445	4518	14,469			9227		5,242	
12/8/2017	13367	227	0	0	504	676	7734	22508	147,875	21125	13594	13741	8,914	7384
12/9/2017	13317	143	0	0	261	264	5086	19,071			13460		5,611	
12/10/2017	13317	143	0	0	261	264	5086	19,071			13460		5,611	
12/11/2017	13095	182	0	0	362	381	5955	19,975			13277		6,698	
12/12/2017	13396	172	0	0	382	457	6103	20,510			13568		6,942	
12/13/2017	14552	153	0	0	373	417	6550	22,045			14705		7,340	
12/14/2017	12515	170	0	0	346	473	5825	19,329			12685		6,644	
12/15/2017	14688	167	0	0	319	434	5868	21,476	141,477	20211	14855	13716	6,621	6495

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells					WEEKLY		CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
12/16/2017	13500	169	0	0	329	478	6152	20,628			13669		6,959	
12/17/2017	13500	169	0	0	329	478	6152	20,628			13669		6,959	
12/18/2017	11973	161	0	0	302	489	5642	18,567			12134		6,433	
12/19/2017	14234	185	0	0	352	537	6312	21,620			14419		7,201	
12/20/2017	24701	164	0	0	334	531	5865	31,595			24865		6,730	
12/21/2017	26536	176	0	0	329	587	6102	33,730			26712		7,018	
12/22/2017	27409	169	0	0	312	360	6102	34,352	181,120	25874	27578	19007	6,774	6868
12/23/2017	26669	174	0	0	315	446	6180	33,784			26843		6,941	
12/24/2017	26669	174	0	0	315	446	6180	33,784			26843		6,941	
12/25/2017	26669	174	0	0	315	446	6180	33,784			26843		6,941	
12/26/2017	28762	180	0	0	330	430	6618	36,320			28942		7,378	
12/27/2017	26600	155	0	0	265	384	5565	32,969			26755		6,214	
12/28/2017	26598	173	0	0	331	398	6250	33,750			26771		6,979	
12/29/2017	26701	166	0	0	315	321	6109	33,612	238,003	34000	26867	27123	6,745	6877
12/30/2017	20093	166	0	0	309	354	6172	27,094			20259		6,835	
12/31/2017	20093	166	0	0	309	354	6172	27,094			20259		6,835	
1/1/2018	20093	166	0	0	309	354	6172	27,094			20259		6,835	
1/2/2018	109	159	0	0	310	301	6266	7,145			268		6,877	
1/3/2018	8675	144	0	0	306	276	6279	15,680			8819		6,861	
1/4/2018	348	158	0	0	269	311	5939	7,025			506		6,519	
1/5/2018	90	163	0	0	262	326	6164	7,005	118,137	16877	253	10089	6,752	6788
1/6/2018	5863	171	0	0	282	356	6175	12,847			6034		6,813	
1/7/2018	***5863***	171	0	0	282	356	6175	12,847			6034		6,813	
1/8/2018	21201	166	0	0	300	469	5978	28,114			21367		6,747	
1/9/2018	426	2	0	0	8	5	193	634			428		206	
1/10/2018	0	2	0	0	1	1	0	4			2		2	
1/11/2018	16841	493	0	0	479	593	5338	23,744			17334		6,410	
1/12/2018	21557	159	0	0	0	385	6030	28,131	106,321	15189	21716	10416	6,415	4772
1/13/2018	22898	155	0	0	379	232	6152	29,816			23053		6,763	
1/14/2018	22898	155	0	0	379	232	6152	29,816			23053		6,763	
1/15/2018	22898	155	0	0	379	232	6152	29,816			23053		6,763	
1/16/2018	13	164	0	0	78	263	6081	6,599			177		6,422	
1/17/2018	15975	149	0	0	317	265	6098	22,804			16124		6,680	
1/18/2018	21643	6	0	0	271	209	5784	27,913			21649		6,264	
1/19/2018	22155	289	0	0	281	257	5570	28,552	175,316	25045	22444	18508	6,108	6538
1/20/2018	23061	161	0	0	277	303	6305	30,107			23222		6,885	
1/21/2018	23061	161	0	0	277	303	6305	30,107			23222		6,885	
1/22/2018	23993	78	0	0	292	374	6420	31,157			24071		7,086	
1/23/2018	23632	10	0	0	258	292	6102	30,294			23642		6,652	
1/24/2018	21700	0	0	0	218	228	5526	27,672			21700		5,972	
1/25/2018	23530	0	0	0	242	224	6295	30,291			23530		6,761	
1/26/2018	24192	0	0	0	234	273	5771	30,470	210,098	30014	24192	23368	6,278	6646
1/27/2018	23276	0	0	0	270	314	5947	29,807			23276		6,531	
1/28/2018	23276	0	0	0	270	314	5947	29,807			23276		6,531	
1/29/2018	25242	0	0	0	240	243	5991	31,716			25242		6,474	
1/30/2018	26225	0	0	0	222	210	5869	32,526			26225		6,301	
1/31/2018	25743	0	0	0	249	241	6166	32,399			25743		6,656	
2/1/2018	11549	0	0	0	244	270	5899	17,962			11549		6,413	
2/2/2018	12458	0	0	0	258	282	6200	19,198	193,415	27631	12458	21110	6,740	6521
2/3/2018	11693	0	0	0	252	291	6282	18,518			11693		6,825	
2/4/2018	11693	0	0	0	252	291	3141	15,377			11693		3,684	
2/5/2018	14904	0	0	0	224	344	2835	18,307			14904		3,403	
2/6/2018	7335	0	0	0	218	187	3055	10,795			7335		3,460	
2/7/2018	11251	0	0	0	251	327	3281	15,110			11251		3,859	
2/8/2018	9472	0	0	0	216	183	4643	14,514			9472		5,042	
2/9/2018	10111	0	0	0	232	311	3134	13,788	106,409	15201	10111	10923	3,677	4279
2/10/2018	10235	0	0	0	233	349	3072	13,889			10235		3,654	
2/11/2018	10235	0	0	0	233	349	3072	13,889			10235		3,654	
2/12/2018	10976	0	0	0	218	346	3241	14,781			10976		3,805	
2/13/2018	10557	0	0	0	231	326	3842	14,956			10557		4,399	

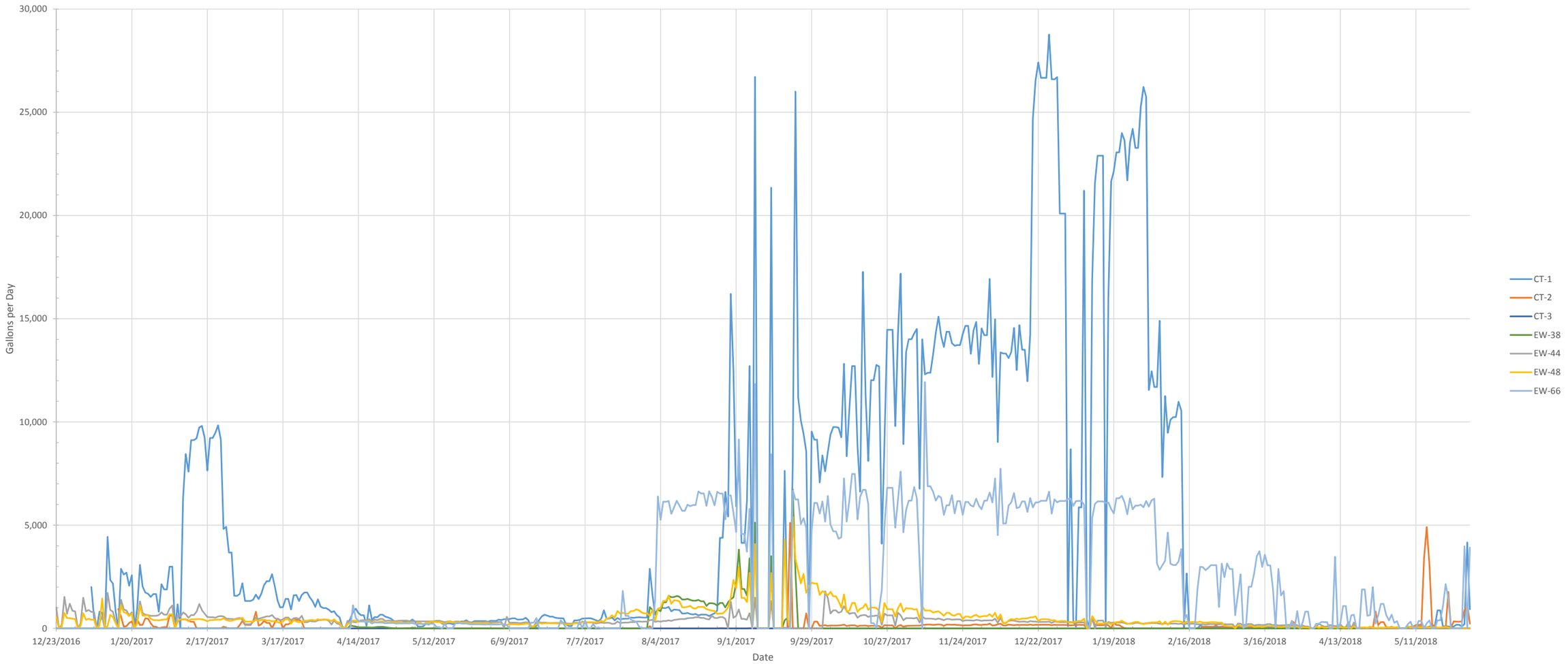
Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells					WEEKLY		CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
2/14/2018	0	0	0	0	185	251	409	845			0		845	
2/15/2018	2657	0	0	0	234	325	659	3,875			2657		1,218	
2/16/2018	0	0	0	0	216	297	0	513	62,748	8964	0	6380	513	2584
2/17/2018	0	0	0	0	224	314	4	542			0		542	
2/18/2018	0	0	0	0	224	314	0	538			0		538	
2/19/2018	0	0	0	0	194	290	1907	2,391			0		2,391	
2/20/2018	149	0	0	0	203	330	2983	3,665			149		3,516	
2/21/2018	78	80	0	0	197	285	2970	3,610			158		3,452	
2/22/2018	78	86	0	0	185	284	2819	3,452			164		3,288	
2/23/2018	74	82	0	0	202	283	2928	3,569	17,767	2538	156	90	3,413	2449
2/24/2018	76	84	0	0	214	298	3063	3,735			160		3,575	
2/25/2018	76	84	0	0	214	298	3063	3,735			160		3,575	
2/26/2018	73	152	0	0	199	293	3063	3,780			225		3,555	
2/27/2018	74	17	0	0	198	273	1039	1,601			91		1,510	
2/28/2018	87	87	0	0	213	280	3134	3,801			174		3,627	
3/1/2018	76	85	0	0	205	133	2484	2,983			161		2,822	
3/2/2018	71	83	0	0	197	118	3143	3,612	23,247	3321	154	161	3,458	3160
3/3/2018	73	81	0	0	198	103	2877	3,332			154		3,178	
3/4/2018	73	81	0	0	198	103	2877	3,332			154		3,178	
3/5/2018	16	0	0	0	44	5	640	705			16		689	
3/6/2018	54	142	0	0	239	158	1662	2,255			196		2,059	
3/7/2018	27	79	0	0	223	127	2622	3,078			106		2,972	
3/8/2018	75	63	0	0	153	72	26	389			138		251	
3/9/2018	69	74	0	0	181	92	99	515	13,606	1944	143	130	372	1814
3/10/2018	79	90	0	0	211	133	2017	2,530			169		2,361	
3/11/2018	79	90	0	0	211	133	2017	2,530			169		2,361	
3/12/2018	57	66	0	0	139	68	2654	2,984			123		2,861	
3/13/2018	74	79	0	0	167	80	3491	3,891			153		3,738	
3/14/2018	80	33	0	0	176	87	3738	4,114			113		4,001	
3/15/2018	79	0	0	0	161	67	2978	3,285			79		3,206	
3/16/2018	78	0	0	0	168	91	3567	3,904	23,238	3320	78	126	3,826	3193
3/17/2018	71	0	0	0	206	117	3053	3,447			71		3,376	
3/18/2018	71	0	0	0	206	117	3053	3,447			71		3,376	
3/19/2018	78	0	0	0	154	103	1920	2,255			78		2,177	
3/20/2018	96	0	0	0	188	104	31	419			96		323	
3/21/2018	81	0	0	0	137	77	2878	3,173			81		3,092	
3/22/2018	85	24	0	0	148	64	1600	1,921			109		1,812	
3/23/2018	60	0	0	0	149	75	1806	2,090	16,752	2393	60	81	2,030	2312
3/24/2018	40	0	0	0	165	92	0	297			40		257	
3/25/2018	40	0	0	0	165	92	0	297			40		257	
3/26/2018	96	358	0	0	166	89	342	1,051			454		597	
3/27/2018	76	258	0	0	160	74	0	568			334		234	
3/28/2018	104	0	0	0	159	99	837	1,199			104		1,095	
3/29/2018	17	0	0	0	18	13	0	48			17		31	
3/30/2018	48	0	0	0	145	59	284	536	3,996	571	48	148	488	423
3/31/2018	38	0	0	0	90	44	811	983			38		945	
4/1/2018	38	0	0	0	90	44	811	983			38		945	
4/2/2018	0	0	0	0	0	0	0	0			0		0	
4/3/2018	0	0	0	0	0	16	0	16			0		16	
4/4/2018	39	0	0	0	65	93	223	420			39		381	
4/5/2018	29	0	0	0	219	30	223	501			29		472	
4/6/2018	36	0	0	0	150	82	318	586	3,489	498	36	26	550	473
4/7/2018	15	0	0	0	85	31	302	433			15		418	
4/8/2018	15	0	0	0	85	31	302	433			15		418	
4/9/2018	52	0	0	0	164	57	0	273			52		221	
4/10/2018	52	0	0	0	144	47	0	243			52		191	
4/11/2018	66	0	0	0	114	44	3465	3,689			66		3,623	
4/12/2018	36	0	0	0	119	25	0	180			36		144	
4/13/2018	52	0	0	0	196	63	265	576	5,827	832	52	41	524	791
4/14/2018	32	0	0	0	55	29	1082	1,198			32		1,166	

Appendix A - Pumping Data
Extraction Wells and Condensate Traps
Liquid Assessment Monitoring
Southeast County Landfill

	Condensate Traps			LFG Extraction Wells							CTs		EWs	
DATE	CT-1 (gal)	CT-2 (gal)	CT-3 (gal)	EW-38 (gal)	EW-44 (gal)	EW-48 (gal)	EW-66 (gal)	All (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
4/15/2018	32	0	0	0	55	29	1082	1,198			32		1,166	
4/16/2018	92	0	0	0	309	59	0	460			92		368	
4/17/2018	0	0	0	0	0	0	631	631			0		631	
4/18/2018	127	0	0	0	282	108	664	1,181			127		1,054	
4/19/2018	21	0	0	0	0	10	0	31			21		10	
4/20/2018	28	0	0	0	0	31	0	59	4,758	680	28	47	31	632
4/21/2018	30	0	0	0	0	45	1887	1,962			30		1,932	
4/22/2018	30	0	0	0	0	45	1887	1,962			30		1,932	
4/23/2018	23	0	0	0	0	30	613	666			23		643	
4/24/2018	75	0	0	0	0	83	647	805			75		730	
4/25/2018	45	0	0	0	0	47	2000	2,092			45		2,047	
4/26/2018	7	820	0	0	0	11	233	1,071			827		244	
4/27/2018	19	162	0	0	0	26	622	829	9,387	1341	181	173	648	1168
4/28/2018	26	302	0	0	0	30	1189	1,547			328		1,219	
4/29/2018	26	302	0	0	0	30	1189	1,547			328		1,219	
4/30/2018	22	58	0	0	0	58	637	775			80		695	
5/1/2018	18	48	0	0	0	44	386	496			66		430	
5/2/2018	40	72	0	0	0	51	662	825			112		713	
5/3/2018	12	33	0	0	0	39	273	357			45		312	
5/4/2018	24	48	0	0	0	55	350	477	6,024	861	72	147	405	713
5/5/2018	0	0	0	0	0	0	0	0			0		0	
5/6/2018	0	0	0	0	0	0	0	0			0		0	
5/7/2018	0	0	0	0	0	0	0	0			0		0	
5/8/2018	57	77	0	0	0	114	203	451			134		317	
5/9/2018	20	70	0	0	0	50	323	463			90		373	
5/10/2018	34	96	0	0	0	59	0	189			130		59	
5/11/2018	86	163	0	0	0	62	0	311	1,414	202	249	86	62	116
5/12/2018	90	171	0	0	0	59	356	676			261		415	
5/13/2018	90	171	0	0	0	59	356	676			261		415	
5/14/2018	85	3405	0	0	0	57	6	3,553			3490		63	
5/15/2018	47	4911	0	0	0	53	243	5,254			4958		296	
5/16/2018	97	3054	0	0	0	62	384	3,597			3151		446	
5/17/2018	92	170	0	0	0	54	0	316			262		54	
5/18/2018	100	123	0	0	0	58	0	281	14,353	2050	223	1801	58	250
5/19/2018	874	2	0	0	0	43	391	1,310			876		434	
5/20/2018	874	2	0	0	0	43	391	1,310			876		434	
5/21/2018	86	1	0	0	0	56	1051	1,194			87		1,107	
5/22/2018	107	0	0	0	0	79	2144	2,330			107		2,223	
5/23/2018	93	1766	0	0	0	49	1445	3,353			1859		1,494	
5/24/2018	68	31	0	0	0	1	0	100			99		1	
5/25/2018	94	341	0	0	0	0	0	435	10,032	1433	435	620	0	813
5/26/2018	176	323	0	0	0	0	0	499			499		0	
5/27/2018	176	323	0	0	0	0	0	499			499		0	
5/28/2018	97	334	0	0	0	0	0	431			431		0	
5/29/2018	214	885	0	0	0	0	3974	5,073			1099		3,974	
5/30/2018	4161	1176	0	0	0	0	0	5,337			5337		0	
5/31/2018	930	230	0	0	0	0	3912	5,072			1160		3,912	

Appendix A - Pumping Data
LFG Extraction Wells and Condensate Traps



Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
2/17/2017	-	-		-	2000	-	-	2000	2000	2000	0		2000	
2/18/2017	-	-		-	2000	-	-	2000			0		2000	
2/19/2017	-	-		-	2000	-	-	2000			0		2000	
2/20/2017	-	-		-	2000	-	-	2000			0		2000	
2/21/2017	-	-		-	2000	-	-	2000			0		2000	
2/22/2017	-	-		-	2000	-	-	2000			0		2000	
2/23/2017	-	-		-	2000	-	-	2000			0		2000	
2/24/2017	-	-		-	1600	-	-	1600	13,600	1,943	0		1600	
2/25/2017	-	-		-	1600	-	-	1600			0		1600	
2/26/2017	-	-		-	1600	-	-	1600			0		1600	
2/27/2017	-	-		-	1600	-	-	1600			0		1600	
2/28/2017	-	-		-	1600	-	-	1600			0		1600	
3/1/2017	-	-		-	1600	-	-	1600			0		1600	
3/2/2017	-	-		-	1600	-	-	1600			0		1600	
3/3/2017	-	-		-	5000	-	-	5000	14,600	2,086	0		5000	
3/4/2017	-	-		-	5000	-	-	5000			0		5000	
3/5/2017	-	-		-	5000	-	-	5000			0		5000	
3/6/2017	-	-		-	5000	-	-	5000			0		5000	
3/7/2017	-	-		-	5000	-	-	5000			0		5000	
3/8/2017	-	-		-	5000	-	-	5000			0		5000	
3/9/2017	-	-		-	5000	-	-	5000			0		5000	
3/10/2017	-	-		-	12000	-	-	12000	42,000	6,000	0		12000	
3/11/2017	-	-		-	12000	-	-	12000			0		12000	
3/12/2017	-	-		-	12000	-	-	12000			0		12000	
3/13/2017	-	-		-	12000	-	-	12000			0		12000	
3/14/2017	-	-		-	12000	-	-	12000			0		12000	
3/15/2017	-	-		-	12000	-	-	12000			0		12000	
3/16/2017	-	-		-	12000	-	-	12000			0		12000	
3/17/2017	-	-		-	12000	-	-	12000	84,000	12,000	0		12000	
3/18/2017	-	-		-	12000	-	-	12000			0		12000	
3/19/2017	-	-		-	12000	-	-	12000			0		12000	
3/20/2017	-	-		-	12000	-	-	12000			0		12000	
3/21/2017	-	-		-	12000	-	-	12000			0		12000	
3/22/2017	-	-		-	12000	-	-	12000			0		12000	
3/23/2017	-	-		-	12000	-	-	12000			0		12000	
3/24/2017	-	-		-	9000	-	-	9000	81,000	11,571	0		9000	
3/25/2017	-	-		-	9000	-	-	9000			0		9000	
3/26/2017	-	-		-	9000	-	-	9000			0		9000	
3/27/2017	-	-		-	9000	-	-	9000			0		9000	
3/28/2017	-	-		-	9000	-	-	9000			0		9000	
3/29/2017	-	-		-	9000	-	-	9000			0		9000	
3/30/2017	-	-		-	9000	-	-	9000			0		9000	
3/31/2017	-	-		-	9000	-	-	9000	63,000	9,000	0		9000	
4/1/2017	-	-		-	7000	-	-	7000			0		7000	
4/2/2017	-	-		-	7000	-	-	7000			0		7000	
4/3/2017	-	-		-	7000	-	-	7000			0		7000	
4/4/2017	-	-		-	7000	-	-	7000			0		7000	
4/5/2017	-	-		-	7000	-	-	7000			0		7000	
4/6/2017	-	-		-	7000	-	-	7000			0		7000	
4/7/2017	-	-		-	7000	-	-	7000	49,000	7,000	0		7000	
4/8/2017	-	-		-	6000	-	-	6000			0		6000	
4/9/2017	-	-		-	6000	-	-	6000			0		6000	
4/10/2017	-	-		-	6000	-	-	6000			0		6000	
4/11/2017	-	-		-	6000	-	-	6000			0		6000	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
4/12/2017	-	-		-	6000	-	-	6000			0		6000	
4/13/2017	-	-		-	6000	-	-	6000			0		6000	
4/14/2017	-	-		-	6000	-	-	6000	42,000	6,000	0		6000	
4/15/2017	-	-		-	6000	-	-	6000			0		6000	
4/16/2017	-	-		-	6000	-	-	6000			0		6000	
4/17/2017	-	-		-	6000	-	-	6000			0		6000	
4/18/2017	-	-		-	6000	-	-	6000			0		6000	
4/19/2017	-	-		-	6000	-	-	6000			0		6000	
4/20/2017	-	-		-	6000	-	-	6000			0		6000	
4/21/2017	-	-		-	5000	-	-	5000	41,000	5,857	0		5000	
4/22/2017	-	-		-	5000	-	-	5000			0		5000	
4/23/2017	-	-		-	5000	-	-	5000			0		5000	
4/24/2017	-	-		-	5000	-	-	5000			0		5000	
4/25/2017	-	-		-	5000	-	-	5000			0		5000	
4/26/2017	-	-		-	5000	-	-	5000			0		5000	
4/27/2017	-	-		-	5000	-	-	5000			0		5000	
4/28/2017	-	-		-	4600	-	-	4600	34,600	4,943	0		4600	
4/29/2017	-	-		-	4600	-	-	4600			0		4600	
4/30/2017	-	-		-	4600	-	-	4600			0		4600	
5/1/2017	-	-		-	4600	-	-	4600			0		4600	
5/2/2017	-	-		-	4600	-	-	4600			0		4600	
5/3/2017	-	-		-	4600	-	-	4600			0		4600	
5/4/2017	-	-		-	4600	-	-	4600			0		4600	
5/5/2017	-	-		-	4000	-	-	4000	31,600	4,514	0		4000	
5/6/2017	-	-		-	4000	-	-	4000			0		4000	
5/7/2017	-	-		-	4000	-	-	4000			0		4000	
5/8/2017	-	-		-	4000	-	-	4000			0		4000	
5/9/2017	-	-		-	4000	-	-	4000			0		4000	
5/10/2017	-	-		-	4000	-	-	4000			0		4000	
5/11/2017	-	-		-	4000	-	-	4000			0		4000	
5/12/2017	-	-		-	3000	-	-	3000	27,000	3,857	0		3000	
5/13/2017	-	-		-	3000	-	-	3000			0		3000	
5/14/2017	-	-		-	3000	-	-	3000			0		3000	
5/15/2017	-	-		-	3000	-	-	3000			0		3000	
5/16/2017	-	-		-	3000	-	-	3000			0		3000	
5/17/2017	-	-		-	3000	-	-	3000			0		3000	
5/18/2017	-	-		-	3000	-	-	3000			0		3000	
5/19/2017	578	252	317	22	6,100	-	-	7,269	25,269	12,634.5	1169		6,100	
5/20/2017	578	252	317	22	6,045	-	-	7,214			1169		6,045	
5/21/2017	579	252	317	22	4,835	-	-	6,005			1170		4,835	
5/22/2017	443	15	278	0	5,269	-	-	6,005			736		5,269	
5/23/2017	431	6	277	0	5,037	-	-	5,751			714		5,037	
5/24/2017	520	421	292	0	4,566	-	-	5,799			1233		4,566	
5/25/2017	575	418	252	0	4,404	-	-	5,649			1245		4,404	
5/26/2017	429	448	228	2	3,984	-	-	5,091	41,514	5,930.6	1107		3,984	
5/27/2017	436	464	239	2	3,468	-	-	4,609			1141	1049	3,468	4509
5/28/2017	436	464	239	0	3,459	-	-	4,598			1139		3,459	
5/29/2017	436	464	239	0	1,926	-	-	3,065			1139		1,926	
5/30/2017	399	677	225	0	4,831	-	-	6,132			1301		4,831	
5/31/2017	415	167	236	0	3,552	-	-	4,370			818		3,552	
6/1/2017	406	422	239	0	3,295	-	-	4,362			1067		3,295	
6/2/2017	354	419	219	0	3,406	-	-	4,398	31,534	4,504.9	992	1085	3,406	3420
6/3/2017	393	442	242	0	3,325	-	-	4,402			1077		3,325	
6/4/2017	393	442	242	0	3,320	-	-	4,397			1077		3,320	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations				WEEKLY		DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
6/5/2017	425	414	240	0	3,317	-	-	4,396			1079		3,317	
6/6/2017	387	443	268	0	3,455	-	-	4,553			1098		3,455	
6/7/2017	435	442	264	0	3,554	-	-	4,695			1141		3,554	
6/8/2017	450	374	241	0	3,786	-	-	4,851			1065		3,786	
6/9/2017	417	383	214	0	3,276	-	-	4,290	31,584	4,489	1014	1079	3,276	3433
6/10/2017	447	387	210	0	3,005	-	-	4,049			1044		3,005	
6/11/2017	447	387	210	0	2,750	-	-	3,794			1044		2,750	
6/12/2017	386	356	197	6	2,850	-	-	3,795			945		2,850	
6/13/2017	595	581	0	205	2,679	-	-	4,060			1381		2,679	
6/14/2017	653	730	0	239	2,283	-	-	3,905			1622		2,283	
6/15/2017	527	853	0	282	2,305	-	-	3,967			1662		2,305	
6/16/2017	412	743	0	267	2,764	-	-	4,186	27,756	3,965.1	1422	1303	2,764	2662
6/17/2017	103	166	1	52	4,013	-	-	4,335			322		4,013	
6/18/2017	103	166	1	52	3,082	-	-	3,404			322		3,082	
6/19/2017	0	0	7	234	3,162	-	-	3,403			241		3,162	
6/20/2017	0	0	0	331	3,207	-	-	3,538			331		3,207	
6/21/2017	0	0	0	362	3,072	-	-	3,434			362		3,072	
6/22/2017	0	0	0	296	3,038	-	-	3,334			296		3,038	
6/23/2017	0	0	0	189	3,161	-	-	3,350	24,798	3,542.6	189	295	3,161	3248
6/24/2017	0	0	0	0	3,331	-	-	3,331			0		3,331	
6/25/2017	0	0	0	0	3,162	-	-	3,162			0		3,162	
6/26/2017	1876	1	73	1	1,212	-	-	3,163			1951		1,212	
6/27/2017	1356	1	5	0	3,825	-	-	5,187			1362		3,825	
6/28/2017	1143	1	0	0	3,699	-	-	4,843			1144		3,699	
6/29/2017	1130	0	0	0	3,174	-	-	4,304			1130		3,174	
6/30/2017	1007	0	1	0	3,009	-	-	4,017	28,007	4,001.0	1008	942	3,009	3059
7/1/2017	933	0	0	0	2,943	-	-	3,876			933		2,943	
7/2/2017	933	0	0	0	3,253	-	-	4,186			933		3,253	
7/3/2017	770	183	0	0	3,234	-	-	4,187			953		3,234	
7/4/2017	770	183	0	0	8,575	-	-	9,528			953		8,575	
7/5/2017	530	519	0	4	8,476	-	-	9,529			1053		8,476	
7/6/2017	864	59	1	285	5,905	-	-	7,114			1209		5,905	
7/7/2017	793	31	251	47	3,325	-	-	4,447	42,867	6,123.9	1122	1022	3,325	5102
7/8/2017	597	401	248	2	3,999	-	-	5,247			1248		3,999	
7/9/2017	597	401	248	2	5,302	-	-	6,550			1248		5,302	
7/10/2017	514	498	306	2	5,231	-	-	6,551			1320		5,231	
7/11/2017	408	454	200	3	6,111	-	-	7,176			1065		6,111	
7/12/2017	464	486	195	0	5,409	-	-	6,554			1145		5,409	
7/13/2017	49	916	214	20	5,436	-	-	6,635			1199		5,436	
7/14/2017	0	1048	296	0	5,537	-	-	6,881	45,594	6,513.4	1344	1224	5,537	5289
7/15/2017	0	1450	287	0	9,639	-	-	11,376			1737		9,639	
7/16/2017	0	1450	287	0	8,925	-	-	10,662			1737		8,925	
7/17/2017	0	333	46	0	10,283	-	-	10,662			379		10,283	
7/18/2017	1	1159	177	10	4,666	-	-	6,013			1347		4,666	
7/19/2017	0	266	146	13	8,470	-	-	8,895			425		8,470	
7/20/2017	3	1092	127	3	8,208	-	-	9,433			1225		8,208	
7/21/2017	888	165	155	1	940	-	-	2,149	59,190	8,455.7	1209	1151	940	7304
7/22/2017	1191	0	135	0	0	-	-	1,326			1326		0	
7/23/2017	1191	0	135	0	0	-	-	1,326			1326		0	
7/24/2017	1194	0	128	0	0	-	-	1,322			1322		0	
7/25/2017	399	544	89	4	21,828	-	-	22,864			1036		21,828	
7/26/2017	0	825	75	0	10,750	-	-	11,650			900		10,750	
7/27/2017	872	108	205	3	3,065	-	-	4,253			1188		3,065	
7/28/2017	684	110	168	15	10,683	-	-	11,660	54,401	7,772	977	1154	10,683	6618

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations				WEEKLY		DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
7/29/2017	1824	0	448	0	19,027	-	-	21,299			2272		19,027	
7/30/2017	912	0	224	0	9,513	-	-	10,649			1136		9,513	
7/31/2017	878	0	254	0	8,065	-	-	9,197			1132		8,065	
8/1/2017	886	0	247	0	8,084	-	-	9,217			1133		8,084	
8/2/2017	536	138	188	5	-	19,748	-	20,615			867		19,748	
8/3/2017	726	260	242	0	-	17,426	-	18,654			1228		17,426	
8/4/2017	622	297	193	0	-	16,767	-	17,879	107,510	15,359	1112	1269	16,767	14090
8/5/2017	714	284	205	0	-	16,491	-	17,694			1203		16,491	
8/6/2017	714	284	205	0	-	16,491	-	17,694			1203		16,491	
8/7/2017	768	273	214	0	0	18,036	-	19,291			1255		18,036	
8/8/2017	742	241	196	0	0	18,861	-	20,040			1179		18,861	
8/9/2017	757	277	211	0	0	22,684	-	23,929			1245		22,684	
8/10/2017	235	84	71	0	5	23,493	-	23,888			390		23,498	
8/11/2017	629	389	208	0	0	21,995	32,268	55,489	178,025	25,432	1226	1100	54,263	24332
8/12/2017	753	300	241	2	0	10,060	11,356	22712			1296		21,416	
8/13/2017	753	300	241	0	0	21,416	0	22710			1294		21,416	
8/14/2017	650	349	241	0	0	10,005	12,244	23489			1240		22,249	
8/15/2017	657	300	243	0	0	261	15,433	16894			1200		15,694	
8/16/2017	718	261	236	0	0	0	7,980	9195			1215		7,980	
8/17/2017	796	275	259	0	0	26,657	14,179	42166			1330		40,836	
8/18/2017	858	257	261	0	-	5,270	13,046	19692	156,858	22,408	1376	1279	18,316	21130
8/19/2017	799	231	248	0	-	0	4,948	6226			1278		4,948	
8/20/2017	799	231	248	0	-	0	4,648	5926			1278		4,648	
8/21/2017	742	267	252	0	-	23,431	16,855	41547			1261		40,286	
8/22/2017	761	333	269	0	-	7,787	12,595	21745			1363		20,382	
8/23/2017	741	382	280	0	-	1,197	11,900	14500			1403		13,097	
8/24/2017	780	380	291	0	-	16,447	11,438	29336			1451		27,885	
8/25/2017	735	361	267	0	-	16,921	11,209	29493	148,773	21,253	1363	1342	28,130	19911
8/26/2017	763	345	289	0	-	18,515	2,269	22181			1397		20,784	
8/27/2017	763	345	289	0	-	20,784	0	22181			1397		20,784	
8/28/2017	909	389	379	0	-	15,222	18,861	35760			1677		34,083	
8/29/2017	997	5	315	0	-	18,113	14,360	33790			1317		32,473	
8/30/2017	983	0	323	0	-	17,940	15,094	34340			1306		33,034	
8/31/2017	1002	1	273	0	-	17,466	17,586	36328			1276		35,052	
9/1/2017	1084	134	288	0	-	0	21,149	22655	207,235	34,539	1506	1411	21,149	28194
9/2/2017	1509	0	502	0	-	1,774	6,036	9821			2011		7,810	
9/3/2017	755	0	251	0	-	887	3,018	4911			1006		3,905	
9/4/2017	755	0	251	0	-	887	3,018	4911			1006		3,905	
9/5/2017	676	1	230	0	-	117	9,442	10466			907		9,559	
9/6/2017	1133	566	442	0	-	33,613	23,292	59046			2141		56,905	
9/7/2017	1121	0	381	0	-	24,017	24,785	50304			1502		48,802	
9/8/2017	953	0	386	0	-	1,992	0	3331	142,790	23,798	1339	1416	1,992	18982.57
9/9/2017	1522	1	643	0	-	0	0	2166			2166		0	
9/10/2017	0	0	0	0	-	0	0	0			0		0	
9/11/2017	0	0	0	0	-	0	0	0			0		0	
9/12/2017	0	0	0	0	-	13,816	595	14411			0		14,411	
9/13/2017	0	0	0	0	-	41,478	35,164	76642			0		76,642	
9/14/2017	136	1	167	0	-	27,893	24,925	53122			304		52,818	
9/15/2017	0	0	15	0	-	326	27,079	27420	173,761	24,823	15	355	27,405	27405
9/16/2017	0	0	0	0	-	0	23,113	23113			0		23,113	
9/17/2017	0	0	0	0	-	24,524	0	24524			0		24,524	
9/18/2017	0	0	0	0	-	23,611	12,159	35770			0		35,770	
9/19/2017	0	0	728	0	-	0	0	728			728		0	
9/20/2017	1	987	213	1	-	0	1,550	2752			1202		1,550	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
9/21/2017	0	1904	659	0	-	21,442	14,527	38532			2563		35,969	
9/22/2017	0	1824	771	0	-	18,799	12,365	33759	159,178	22,740	2595	1013	31,164	21727
9/23/2017	0	1622	703	0	-	13,958	24,934	41217			2325		38,892	
9/24/2017	0	1562	765	0	-	23,817	0	26144			2327		23,817	
9/25/2017	0	1244	644	0	-	11,059	22,574	35521			1888		33,633	
9/26/2017	0	1534	758	0	-	13,528	27,890	43710			2292		41,418	
9/27/2017	0	1092	643	0	-	4,633	0	6368			1735		4,633	
9/28/2017	0	1079	630	27	-	15,018	0	16754			1736		15,018	
9/29/2017	0	1264	804	0	-	7,818	36,447	46333	216,047	30,864	2068	2053	44,265	28811
9/30/2017	0	1124	762	0	-	1,053	12,721	15660			1886		13,774	
10/1/2017	0	1124	762	0	-	30,267	12,721	44874			1886		42,988	
10/2/2017	0	1118	781	0	-	37,705	30,377	69981			1899		68,082	
10/3/2017	0	1003	702	0	-	9,687	20,029	31421			1705		29,716	
10/4/2017	0	1024	710	27	-	299	23,119	25179			1761		23,418	
10/5/2017	0	559	848	0	-	34,708	24,613	60728			1407		59,321	
10/6/2017	0	646	847	0	-	26,894	21,754	50141	297,984	42,569	1493	1720	48,648	40850
10/7/2017	0	1029	797	0	-	2,077	6,381	10284			1826		8,458	
10/8/2017	0	1029	797	0	-	2,077	6,381	10284			1826		8,458	
10/9/2017	0	1048	571	49	-	0	0	1668			1668		0	
10/10/2017	1	0	164	3,519	-	36,733	0	40417			3684		36,733	
10/11/2017	0	0	0	0	-	26,442	28,217	54659			0		54,659	
10/12/2017	0	0	5	0	-	741	20,369	21115			5		21,110	
10/13/2017	0	0	0	0	-	474	21,723	22197	160,624	22,946	0	1287	22,197	21659
10/14/2017	0	0	0	0	-	586	21,068	21654			0		21,654	
10/15/2017	0	0	0	0	-	2,356	1,010	3366			0		3,366	
10/16/2017	0	0	0	0	-	0	29,881	29881			0		29,881	
10/17/2017	0	0	0	0	-	659	20,122	20781			0		20,781	
10/18/2017	0	0	1	0	-	21,773	16,262	38036			1		38,035	
10/19/2017	0	0	0	0	-	0	35,665	35665			0		35,665	
10/20/2017	0	0	0	0	-	0	5,506	5506	154,889	22,127	0	0	5,506	22127
10/21/2017	0	0	0	0	-	43,501	16,424	59925			0		59,925	
10/22/2017	0	0	0	0	-	18,294	14,582	32876			0		32,876	
10/23/2017	0	0	0	0	-	36,759	17,024	53783			0		53,783	
10/24/2017	0	0	0	0	-	35,472	17,011	52483			0		52,483	
10/25/2017	0	0	1	0	-	42,371	15,386	57758			1		57,757	
10/26/2017	0	0	1791	0	-	40,120	17,948	59859			1791		58,068	
10/27/2017	0	0	1290	0	-	17,197	12,450	30937	347,621	49,660	1290	440	29,647	49220
10/28/2017	0	0	1286	0	-	34,129	13,510	48925			1286		47,639	
10/29/2017	0	0	1193	0	-	35,409	1,879	38481			1193		37,288	
10/30/2017	0	0	1104	0	-	38,355	17,192	56651			1104		55,547	
10/31/2017	2821	0	1062	0	-	16,445	15,185	35513			3883		31,630	
11/1/2017	1858	0	1041	0	-	36,937	10,956	50792			2899		47,893	
11/2/2017	1568	0	1057	0	-	33,057	15,019	50701			2625		48,076	
11/3/2017	1589	0	1164	0	-	14,920	12,226	29899	310,962	44,423	2753	2249	27,146	42174
11/4/2017	1424	0	1041	0	-	32,528	9,053	44046			2465		41,581	
11/5/2017	1484	0	1090	0	-	3,103	0	5677			2574		3,103	
11/6/2017	1426	0	1047	0	-	2,152	1,069	5694			2473		3,221	
11/7/2017	1297	0	1018	0	-	20,425	20,740	43480			2315		41,165	
11/8/2017	711	0	618	0	-	20,143	14,220	35692			1329		34,363	
11/9/2017	1545	0	1329	0	-	17,977	12,650	33501			2874		30,627	
11/10/2017	1120	0	996	0	-	26,372	0	28488	196,578	28,083	2116	2307	26,372	25776
11/11/2017	1060	0	961	0	-	19,113	9,738	30872			2021		28,851	
11/12/2017	1074	0	1000	0	-	16,512	10,802	29388			2074		27,314	
11/13/2017	1101	0	1016	0	-	9,132	8,201	19450			2117		17,333	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
11/14/2017	1123	0	1059	0	-	13,277	10,726	26185			2182		24,003	
11/15/2017	1123	0	1064	0	-	18,256	11,303	31746			2187		29,559	
11/16/2017	1055	0	998	0	-	0	8,508	10561			2053		8,508	
11/17/2017	1101	0	1021	0	-	34,175	7,328	43625	191,827	27,404	2122	2108	41,503	25296
11/18/2017	1085	0	1005	0	-	34,240	7,777	44107			2090		42,017	
11/19/2017	1017	0	1001	0	-	32,236	9,604	43858			2018		41,840	
11/20/2017	953	0	964	0	-	10,862	9,583	22362			1917		20,445	
11/21/2017	1198	0	1065	0	-	38,238	7,959	48460			2263		46,197	
11/22/2017	1147	0	977	0	-	32,043	3,039	37206			2124		35,082	
11/23/2017	1147	0	977	0	-	20,541	3,039	25704			2124		23,580	
11/24/2017	1132	0	952	0	-	23,275	13,576	38935	260,632	37,233	2084	2089	36,851	35145
11/25/2017	1091	0	913	0	-	23,275	470	25749			2004		23,745	
11/26/2017	1091	0	913	0	-	0	470	2474			2004		470	
11/27/2017	1076	0	891	0	-	0	0	1967			1967		0	
11/28/2017	1100	0	912	0	-	0	18,108	20120			2012		18,108	
11/29/2017	1082	0	885	0	-	0	11,527	13494			1967		11,527	
11/30/2017	1178	0	948	0	-	464	11,725	14315			2126		12,189	
12/1/2017	1030	0	903	0	-	0	9,693	11626	89,745	12,821	1933	2002	9,693	10819
12/2/2017	1098	0	932	0	-	0	9,201	11231			2030		9,201	
12/3/2017	1112	0	940	0	-	0	9,117	11169			2052		9,117	
12/4/2017	1055	0	910	0	-	0	8,567	10532			1965		8,567	
12/5/2017	1192	0	953	0	-	0	8,903	11048			2145		8,903	
12/6/2017	1168	0	924	0	-	0	8,647	10739			2092		8,647	
12/7/2017	1307	0	1052	0	-	0	0	2359			2359		0	
12/8/2017	1217	0	975	0	-	0	0	2192	59,270	8,467	2192	2119	0	6348
12/9/2017	1064	0	853	0	-	0	0	1917			1917		0	
12/10/2017	1129	0	829	0	-	0	0	1958			1958		0	
12/11/2017	1158	0	939	0	-	0	0	2097			2097		0	
12/12/2017	1238	0	1027	0	-	0	7,755	10020			2265		7,755	
12/13/2017	1204	0	971	0	-	0	11,415	13590			2175		11,415	
12/14/2017	1291	0	1012	0	-	0	10,031	12334			2303		10,031	
12/15/2017	1112	0	931	0	-	0	8,513	10556	52,472	7,496	2043	2108	8,513	5388
12/16/2017	1129	0	813	0	-	0	6,083	8025			1942		6,083	
12/17/2017	1189	0	893	0	-	0	3,838	5920			2082		3,838	
12/18/2017	1197	0	890	0	-	0	0	2087			2087		0	
12/19/2017	1269	0	947	0	-	0	7,810	10026			2216		7,810	
12/20/2017	1280	0	924	0	-	0	658	2862			2204		658	
12/21/2017	1268	0	894	0	-	0	14,271	16433			2162		14,271	
12/22/2017	1255	0	869	0	-	0	3,042	5166	50,519	7,217	2124	2117	3,042	5100
12/23/2017	1272	0	842	0	-	0	5,191	7305			2114		5,191	
12/24/2017	1272	0	842	0	-	0	5,191	7305			2114		5,191	
12/25/2017	1272	0	842	0	-	0	5,191	7305			2114		5,191	
12/26/2017	1234	0	800	0	-	0	11,034	13068			2034		11,034	
12/27/2017	1354	0	730	0	-	0	7,832	9916			2084		7,832	
12/28/2017	1297	0	852	0	-	0	0	2149			2149		0	
12/29/2017	1217	0	820	0	-	21,115	0	23152	70,200	10,029	2037	2092	21,115	7936
12/30/2017	1248	0	805	0	-	29,240	0	31293			2053		29,240	
12/31/2017	1248	0	805	0	-	29,240	0	31293			2053		29,240	
1/1/2018	1248	0	805	0	-	29,240	0	31293			2053		29,240	
1/2/2018	1219	0	753	0	-	29,615	0	31587			1972		29,615	
1/3/2018	1145	0	769	0	-	29,614	0	31528			1914		29,614	
1/4/2018	1063	0	710	0	-	10,842	0	12615			1773		10,842	
1/5/2018	1123	0	667	0	-	14,541	0	16331	185,940	26,563	1790	1944	14,541	24619
1/6/2018	1091	0	658	0	-	10,274	0	12023			1749		10,274	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
1/7/2018	1129	0	675	0	-	13,359	0	15163			1804		13,359	
1/8/2018	1177	0	724	0	-	34,404	0	36305			1901		34,404	
1/9/2018	53	0	30	0	-	0	0	83			83		0	
1/10/2018	0	0	0	0	-	0	0	0			0		0	
1/11/2018	1450	0	797	0	-	35,168	0	37415			2247		35,168	
1/12/2018	1279	0	754	0	-	30,194	0	32227	133,216	19,031	2033	1402	30,194	17628
1/13/2018	1135	0	631	0	-	23,223	0	24989			1766		23,223	
1/14/2018	1135	0	631	0	-	23,223	0	24989			1766		23,223	
1/15/2018	1099	0	617	0	-	24,740	0	26456			1716		24,740	
1/16/2018	136	0	67	0	-	0	0	203			203		0	
1/17/2018	1011	0	567	0	-	31,253	0	32831			1578		31,253	
1/18/2018	1082	0	648	0	-	18,148	0	19878			1730		18,148	
1/19/2018	1050	0	644	0	-	0	0	1694	131,040	18,720	1694	1493	0	17227
1/20/2018	1095	0	662	0	-	0	0	1757			1757		0	
1/21/2018	1095	0	662	0	-	26,763	0	28520			1757		26,763	
1/22/2018	1120	0	687	0	-	26,084	0	27891			1807		26,084	
1/23/2018	1112	0	683	0	-	21,495	0	23290			1795		21,495	
1/24/2018	1054	0	641	0	-	0	0	1695			1695		0	
1/25/2018	146	0	91	0	-	0	0	237			237		0	
1/26/2018	1181	0	713	0	-	27,148	0	29042	112,432	16,062	1894	1563	27,148	14499
1/27/2018	1125	0	732	0	-	24,918	0	26775			1857		24,918	
1/28/2018	1125	0	732	0	-	24,918	0	26775			1857		24,918	
1/29/2018	1064	0	727	0	-	23,729	0	25520			1791		23,729	
1/30/2018	1026	0	703	0	-	22,511	0	24240			1729		22,511	
1/31/2018	1060	0	715	0	-	19,807	0	21582			1775		19,807	
2/1/2018	1074	0	734	0	-	24,432	0	26240			1808		24,432	
2/2/2018	1091	0	764	0	-	22,719	0	24574	175,706	25,101	1855	1810	22,719	23291
2/3/2018	1104	0	777	0	-	22,546	0	24427			1881		22,546	
2/4/2018	1104	0	777	0	-	22,546	0	24427			1881		22,546	
2/5/2018	1081	0	765	0	-	19,758	0	21604			1846		19,758	
2/6/2018	1069	0	730	0	-	625	0	2424			1799		625	
2/7/2018	1095	0	706	0	-	18,844	0	20645			1801		18,844	
2/8/2018	1235	0	710	0	-	20,603	0	22548			1945		20,603	
2/9/2018	1237	0	716	0	-	21,159	0	23112	139,187	19,884	1953	1872	21,159	18012
2/10/2018	1126	0	657	0	-	19,438	0	21221			1783		19,438	
2/11/2018	1126	0	657	0	-	19,438	0	21221			1783		19,438	
2/12/2018	1090	0	614	0	-	21,975	0	23679			1704		21,975	
2/13/2018	905	0	581	0	-	19,731	0	21217			1486		19,731	
2/14/2018	855	0	592	0	-	19,814	0	21261			1447		19,814	
2/15/2018	1039	0	643	0	-	20,904	0	22586			1682		20,904	
2/16/2018	1132	0	593	0	-	20,677	0	22402	153,587	21,941	1725	1659	20,677	20282
2/17/2018	1145	0	581	0	-	20,450	0	22176			1726		20,450	
2/18/2018	1145	0	581	0	-	20,450	0	22176			1726		20,450	
2/19/2018	1139	0	563	0	-	19,968	0	21670			1702		19,968	
2/20/2018	1169	0	557	0	-	19,084	0	20810			1726		19,084	
2/21/2018	1123	0	534	0	-	19,157	0	20814			1657		19,157	
2/22/2018	1147	0	538	0	-	19,319	0	21004			1685		19,319	
2/23/2018	411	0	194	0	-	19,622	0	20227	148,877	21,268	605	1547	19,622	19721
2/24/2018	0	0	0	0	-	21,066	0	21066			0		21,066	
2/25/2018	0	0	0	0	-	21,066	0	21066			0		21,066	
2/26/2018	1380	1	615	0	-	19,618	0	21614			1996		19,618	
2/27/2018	1262	0	557	0	-	19,510	0	21329			1819		19,510	
2/28/2018	1215	0	605	0	-	20,088	0	21908			1820		20,088	
3/1/2018	389	0	203	0	0	0	0	592			592		0	

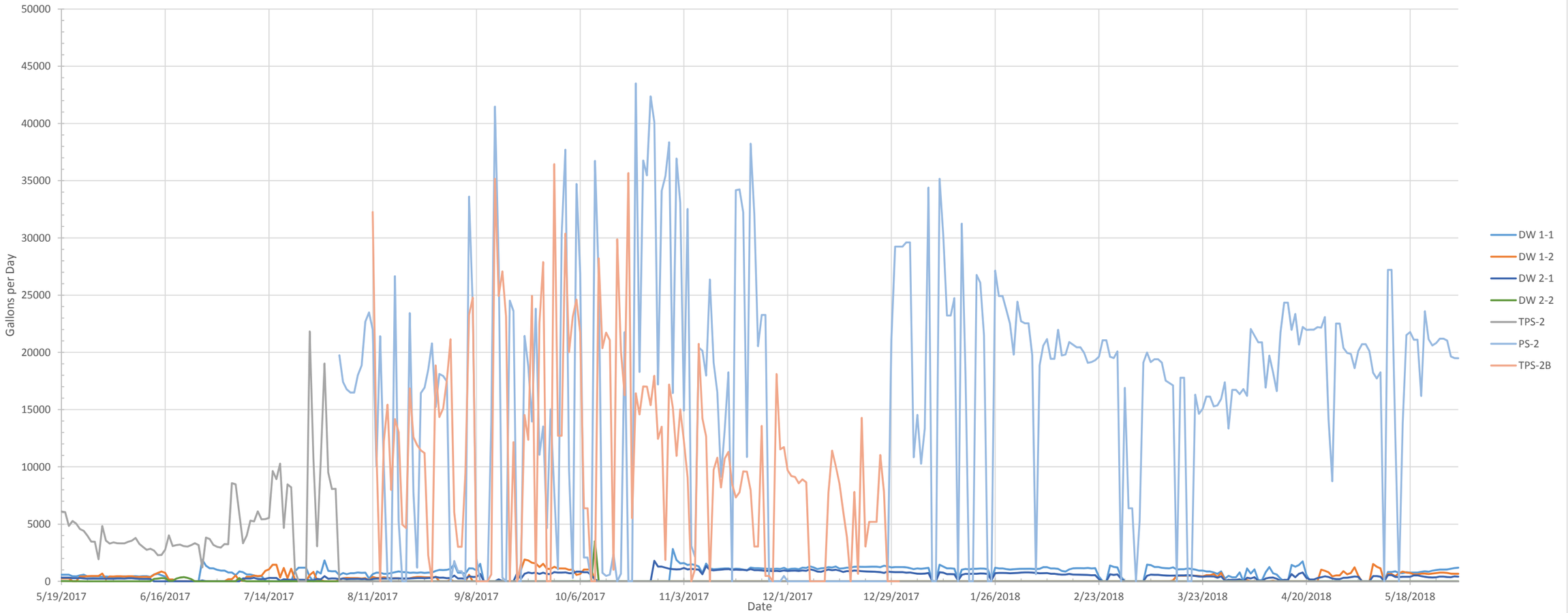
Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
3/2/2018	0	0	0	0	0	16,899	0	16899	124,474	17,782	0	890	16,899	16892
3/3/2018	0	0	0	0	0	6,381	0	6381			0		6,381	
3/4/2018	0	0	0	0	0	6,381	0	6381			0		6,381	
3/5/2018	0	0	0	0	0	0	0	0			0		0	
3/6/2018	0	0	0	0	0	5,310	0	5310			0		5,310	
3/7/2018	0	0	0	0	0	19,103	0	19103			0		19,103	
3/8/2018	1454	0	487	0	0	19,989	0	21930			1941		19,989	
3/9/2018	1418	0	586	0	0	19,157	0	21161	80,266	11,467	2004	564	19,157	10903
3/10/2018	1256	0	567	0	0	19,402	0	21225			1823		19,402	
3/11/2018	1256	0	567	0	0	19,402	0	21225			1823		19,402	
3/12/2018	1175	0	541	0	0	19,105	0	20821			1716		19,105	
3/13/2018	1146	0	503	0	0	17,536	0	19185			1649		17,536	
3/14/2018	1131	0	490	0	0	17,327	0	18948			1621		17,327	
3/15/2018	1224	79	501	0	0	17,113	0	18917			1804		17,113	
3/16/2018	1036	479	505	0	0	0	0	2020	122,341	17,477	2020	1779	0	15698
3/17/2018	1058	490	512	0	0	17,782	0	19842			2060		17,782	
3/18/2018	1058	490	512	0	0	17,782	0	19842			2060		17,782	
3/19/2018	1126	488	528	0	0	0	0	2142			2142		0	
3/20/2018	1079	504	516	0	0	0	0	2099			2099		0	
3/21/2018	1024	482	462	0	0	16,306	0	18274			1968		16,306	
3/22/2018	935	462	418	0	0	14,633	0	16448			1815		14,633	
3/23/2018	938	435	414	0	0	15,060	0	16847	95,494	13,642	1787	1990	15,060	11652
3/24/2018	859	536	436	0	0	16,142	0	17973			1831		16,142	
3/25/2018	859	536	436	0	0	16,142	0	17973			1831		16,142	
3/26/2018	776	646	428	0	0	15,279	0	17129			1850		15,279	
3/27/2018	650	382	315	1	0	15,374	0	16722			1348		15,374	
3/28/2018	867	732	431	0	0	15,934	0	17964			2030		15,934	
3/29/2018	230	94	68	0	0	17,384	0	17776			392		17,384	
3/30/2018	478	1	120	18	0	13,349	0	13966	119,503	17,072	617	1414	13,349	15658
3/31/2018	350	0	123	0	0	16,726	0	17199			473		16,726	
4/1/2018	350	0	123	0	0	16,726	0	17199			473		16,726	
4/2/2018	780	0	177	36	0	16,355	0	17348			993		16,355	
4/3/2018	0	0	0	0	0	16,790	0	16790			0		16,790	
4/4/2018	1128	104	312	1	0	16,203	0	17748			1545		16,203	
4/5/2018	683	0	252	0	0	22,038	0	22973			935		22,038	
4/6/2018	1042	0	355	0	0	21,466	0	22863	132,120	18,874	1397	831	21,466	18043
4/7/2018	96	1	31	0	0	20,885	0	21013			128		20,885	
4/8/2018	96	1	31	0	0	20,885	0	21013			128		20,885	
4/9/2018	795	3	243	1	0	16,930	0	17972			1042		16,930	
4/10/2018	1247	3	311	0	0	19,720	0	21281			1561		19,720	
4/11/2018	707	58	329	0	0	18,269	0	19363			1094		18,269	
4/12/2018	593	0	220	0	0	16,623	0	17436			813		16,623	
4/13/2018	237	0	52	1	0	21,729	0	22019	140,097	20,014	290	722	21,729	19292
4/14/2018	0	0	127	0	0	24,348	0	24475			127		24,348	
4/15/2018	0	0	127	0	0	24,348	0	24475			127		24,348	
4/16/2018	1431	1	625	0	0	21,975	0	24032			2057		21,975	
4/17/2018	1272	0	356	0	0	23,354	0	24982			1628		23,354	
4/18/2018	1423	0	662	0	0	20,684	0	22769			2085		20,684	
4/19/2018	1742	0	770	0	0	22,220	0	24732			2512		22,220	
4/20/2018	580	0	308	0	0	21,964	0	22852	168,317	24,045	888	1346	21,964	22699
4/21/2018	0	0	156	0	0	21,988	0	22144			156		21,988	
4/22/2018	0	0	156	0	0	21,988	0	22144			156		21,988	
4/23/2018	0	0	281	0	0	22,207	0	22488			281		22,207	
4/24/2018	1	1017	351	0	0	22,164	0	23533			1369		22,164	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations
Liquid Assessment Monitoring
Southeast County Landfill

	Dewatering Wells				Pump Stations						DWs		PSs	
DATE	DW 1-1 (gal)	DW 1-2 (gal)	DW 2-1 (gal)	DW 2-2 (gal)	TPS-2 (gal)	PS-2 (CO 2-1) (gal)	TPS-2B (CO 2-2) (gal)	Total (gpd)	WEEKLY TOTAL (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)	Total (gal)	Daily Avg (gpd)
4/25/2018	0	921	431	0	0	23,089	0	24441			1352		23,089	
4/26/2018	0	788	375	0	0	14,115	0	15278			1163		14,115	
4/27/2018	0	431	246	0	0	8,738	0	9415	139,443	19,920	677	736	8,738	19184
4/28/2018	0	519	190	0	0	22,524	0	23233			709		22,524	
4/29/2018	0	519	190	0	0	22,524	0	23233			709		22,524	
4/30/2018	0	886	306	0	0	20,393	0	21585			1192		20,393	
5/1/2018	0	617	312	0	-	19,951	-	20880			929		19,951	
5/2/2018	0	727	367	0	-	19,861	-	20955			1094		19,861	
5/3/2018	0	1225	420	0	-	18,628	-	20273			1645		18,628	
5/4/2018	0	478	392	0	-	20,127	-	20997	151,156	21,594	870	1021	20,127	20573
5/5/2018	0	0	0	0	-	20,714	-	20714			0		20,714	
5/6/2018	0	0	0	0	-	20,714	-	20714			0		20,714	
5/7/2018	0	0	0	0	-	20,113	-	20113			0		20,113	
5/8/2018	0	1508	454	0	-	18,228	-	20190			1962		18,228	
5/9/2018	0	1277	456	0	-	17,728	-	19461			1733		17,728	
5/10/2018	0	1131	401	0	-	18,259	-	19791			1532		18,259	
5/11/2018	0	0	0	0	-	0	-	0	120,983	17,283	0	747	0	16537
5/12/2018	810	639	544	0	-	27,212	-	29205			1993		27,212	
5/13/2018	810	639	544	0	-	27,212	-	29205			1993		27,212	
5/14/2018	870	447	388	0	-	12,830	-	14535			1705		12,830	
5/15/2018	735	715	376	0	-	0	-	1826			1826		0	
5/16/2018	722	849	397	0	-	13,813	-	15781			1968		13,813	
5/17/2018	793	766	396	0	-	21,514	-	23469			1955		21,514	
5/18/2018	761	737	398	0	-	21,778	-	23674	137,695	19,671	1896	1905	21,778	17766
5/19/2018	761	604	515	0	-	21,111	-	22991			1880		21,111	
5/20/2018	761	604	515	0	-	21,111	-	22991			1880		21,111	
5/21/2018	826	668	448	0	-	16,200	-	18142			1942		16,200	
5/22/2018	875	682	396	0	-	23,595	-	25548			1953		23,595	
5/23/2018	841	637	348	0	-	21,146	-	22972			1826		21,146	
5/24/2018	930	684	334	0	-	20,602	-	22550			1948		20,602	
5/25/2018	983	718	351	0	-	20,814	-	22866	158,060	22,580	2052	1926	20,814	20654
5/26/2018	1026	767	407	0	-	21,195	-	23395			2200		21,195	
5/27/2018	1026	767	407	0	-	21,195	-	23395			2200		21,195	
5/28/2018	1036	730	371	0	-	21,024	-	23161			2137		21,024	
5/29/2018	1093	666	355	0	-	19,642	-	21756			2114		19,642	
5/30/2018	1153	659	432	0	-	19,498	-	21742			2244		19,498	
5/31/2018	1191	662	413	0	-	19,491	-	21757			2266		19,491	

Appendix A - Pumping Data
Dewatering Wells and Pump Stations



Weekly Supplemental Leachate Pumping Data
Liquid Assessment Monitoring
Southeast County Landfill

Week Ending	Condensate Traps (gal)	LFG Extraction Wells (gal)	Dewatering Wells (gal)	Pump Stations (gal)	Weekly Total (gal)	Daily Average (gpd)
12/23/2016	-	4,296	-	-	4,296	1,074
12/30/2016	-	8,024	-	-	8,024	1,146
1/6/2017	2,518	7,614	-	-	10,132	1,447
1/13/2017	10,516	7,201	-	-	17,717	2,531
1/20/2017	15,952	9,104	-	-	25,056	3,579
1/27/2017	12,999	7,953	-	-	20,952	2,993
2/3/2017	13,991	8,072	-	-	22,063	3,152
2/10/2017	29,162	7,025	-	-	36,187	5,170
2/17/2017	64,513	8,404	-	2,000	74,917	10,702
2/24/2017	56,760	6,811	-	13,600	77,171	11,024
3/3/2017	16,376	5,872	-	14,600	36,848	5,264
3/10/2017	13,076	5,373	-	42,000	60,449	8,636
3/17/2017	14,365	5,969	-	84,000	104,334	14,905
3/24/2017	12,218	6,003	-	81,000	99,221	14,174
3/31/2017	9,808	5,199	-	63,000	78,007	11,144
4/7/2017	5,677	4,874	-	49,000	59,551	8,507
4/14/2017	3,292	5,685	-	42,000	50,977	7,282
4/21/2017	4,025	7,550	-	41,000	52,575	7,511
4/28/2017	3,529	6,954	-	34,600	45,083	6,440
5/5/2017	2,309	6,159	-	31,600	40,068	5,724
5/12/2017	1,279	5,845	-	27,000	34,124	4,875
5/19/2017	1,815	4,793	1,169	24,100	31,877	4,554
5/26/2017	2,168	5,792	7,374	34,140	49,474	7,068
6/2/2017	2,455	5,188	7,597	23,937	39,177	5,597
6/9/2017	2,900	4,639	7,551	24,033	39,123	5,589
6/16/2017	3,176	3,367	9,120	18,636	34,299	4,900
6/23/2017	2,587	4,111	2,063	22,735	31,496	4,499
6/30/2017	3,319	4,112	6,595	21,412	35,438	5,063
7/7/2017	2,369	4,303	7,156	35,711	49,539	7,077
7/14/2017	3,522	4,376	8,569	37,025	53,492	7,642
7/21/2017	3,272	8,131	8,059	51,131	70,593	10,085
7/28/2017	3,573	10,250	8,075	46,326	68,224	9,746

Weekly Supplemental Leachate Pumping Data
Liquid Assessment Monitoring
Southeast County Landfill

Week Ending	Condensate Traps (gal)	LFG Extraction Wells (gal)	Dewatering Wells (gal)	Pump Stations (gal)	Weekly Total (gal)	Daily Average (gpd)
8/4/2017 [1]	8,278	25,125	8,880	98,630	140,913	20,130
8/11/2017	6,541	64,449	7,701	170,324	249,015	35,574
8/18/2017	4,889	62,204	8,951	147,907	223,951	31,993
8/25/2017	4,852	62,896	9,397	139,376	216,521	30,932
9/1/2017	55,411	64,407	9,876	197,359	327,053	46,722
9/8/2017	62,183	75,863	9,912	132,878	280,836	40,119
9/15/2017 [2]	21,344	15,941	2,485	171,276	211,046	30,149
9/22/2017 [2]	21,062	24,538	7,088	152,090	204,778	29,254
9/29/2017	75,527	52,154	14,371	201,676	343,728	49,104
10/6/2017	60,611	57,347	12,037	285,947	415,942	59,420
10/13/2017	71,298	51,515	9,009	151,615	283,437	40,491
10/20/2017 [3]	78,470	57,889	1	154,888	291,248	41,607
10/27/2017	77,877	25,324	3,082	344,539	450,822	64,403
11/3/2017	93,276	52,784	15,743	295,219	457,022	65,289
11/10/2017	90,875	50,207	16,146	180,432	337,660	48,237
11/17/2017	96,443	53,486	14,756	177,071	341,756	48,822
11/24/2017	99,123	49,385	14,620	246,012	409,140	58,449
12/1/2017 [4]	100,387	48,906	14,013	75,732	239,038	34,148
12/8/2017 [4,5]	96,185	51,690	14,835	44,435	207,145	29,592
12/15/2017 [4]	96,010	45,467	14,758	37,714	193,949	27,707
12/22/2017 [4]	133,046	48,074	14,817	35,702	231,639	33,091
12/29/2017 [8]	189,864	48,139	14,646	55,554	308,203	44,029
1/5/2018 [6]	70,623	47,514	13,608	172,332	304,077	43,440
1/12/2018 [7]	72,915	33,406	9,817	123,399	239,537	34,220
1/19/2018 [8]	129,553	45,763	10,453	120,587	306,356	43,765
1/26/2018 [8]	163,579	46,519	10,942	101,490	322,530	46,076
2/2/2018	147,769	45,646	12,672	163,034	369,121	52,732
2/9/2018	76,459	29,950	13,106	126,081	245,596	35,085
2/16/2018	44,660	18,088	11,610	141,977	216,335	30,905
2/23/2018	627	17,140	10,827	138,050	166,644	23,806

Weekly Supplemental Leachate Pumping Data
Liquid Assessment Monitoring
Southeast County Landfill

Week Ending	Condensate Traps (gal)	LFG Extraction Wells (gal)	Dewatering Wells (gal)	Pump Stations (gal)	Weekly Total (gal)	Daily Average (gpd)
3/2/2018	1,125	22,122	6,227	118,247	147,721	21,103
3/9/2018	907	12,699	3,945	76,321	93,872	13,410
3/16/2018	884	22,354	12,456	109,885	145,579	20,797
3/23/2018	566	16,186	13,931	81,563	112,246	16,035
3/30/2018	1,037	2,959	9,899	109,604	123,499	17,643
4/6/2018	180	3,309	5,816	126,304	135,609	19,373
4/13/2018	288	5,539	5,056	135,041	145,924	20,846
4/20/2018	332	4,426	9,424	158,893	173,075	24,725
4/27/2018	1,211	8,176	5,154	134,289	148,830	21,261
5/4/2018	1,031	4,993	7,148	144,008	157,180	22,454
5/11/2018	603	811	5,227	144,008	150,649	21,521
5/18/2018	2,305	1,747	13,336	115,756	133,144	19,021
5/25/2018	4,339	5,693	13,481	124,359	147,872	21,125
Total	1,056,015	941,692	208,007	3,688,742	5,894,456	

Notes

1. Installed suction line in Phase II header.
2. Pumps shut down during and following Hurricane Irma.
3. Dewatering wells shut down for maintenance 10/12/17 through 10/26/17.
4. PS-2 shut down for construction at cut-off trench from 11/27/17 through 12/28/17.
5. PS-2B shut down for construction at cut-off trench from 12/7/17 through 12/11/17.
6. PS-2B shut down to check liquid Levels in MP 2-2 and MP 2-3 from 12/28/17 through 1/5/18.
7. All supplemental dewatering pumps shut down for Phase II dye tracer test 1/9/18 and 1/10/18.
8. PS-2 shut down for maintenance 1/16, 1/19, 1/20, 1/24, and 1/25.

Appendix B

Weekly Water Level and Precipitation Data

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-01	6/3/2016	56.9	188.35	131.5	118.3	13.2	
		6/8/2016	59.5		128.9		10.6	
		6/9/2016	61.3		127.1		8.8	
		6/16/2016	61.2		127.2		8.9	
		6/21/2016	61.1		127.3		9.0	
		6/22/2016	61.5		126.9		8.6	
		6/28/2016	61.2		127.2		8.9	
		7/13/2016	61.1		127.3		9.0	
		7/29/2016	61.8		126.6		8.3	
		8/5/2016	60.7		127.7		9.3	
		8/12/2016	60.4		128.0		9.6	
		8/19/2016	60.3		128.1		9.8	
		8/26/2016	60.2		128.2		9.8	
		9/2/2016	60.0		128.4		10.1	
		9/9/2016	60.0		128.4		10.1	
		9/16/2016	59.8		128.6		10.3	
		9/23/2016	59.2		129.2		10.9	
		9/30/2016	58.8		129.6		11.3	
		10/11/2016	58.6		129.8		11.5	
		10/14/2016	58.6		129.8		11.5	
		10/21/2016	57.8		130.6		12.3	
		10/28/2016	58.0		130.4		12.1	
		11/4/2016	58.0		130.4		12.1	
		11/11/2016	58.2		130.2		11.9	
		11/18/2016	58.5		129.9		11.6	
		11/25/2016	58.8		129.6		11.3	
		12/2/2016	58.2		130.2		11.9	
		12/9/2016	58.7		129.7		11.4	
		12/16/2016	58.7		129.7		11.4	
		12/23/2016	58.7		129.7		11.4	
		12/30/2016	58.7		129.7		11.4	
		1/6/2017	58.6		129.8		11.5	
		1/13/2017	59.2		129.2		10.9	
		1/20/2017	58.8		129.6		11.3	
		1/27/2017	59.3		129.1		10.8	
		2/3/2017	59.6		128.8		10.5	
		2/10/2017	59.7		128.7		10.4	
		2/17/2017	59.6		128.8		10.5	
		2/24/2017	59.3		129.1		10.8	
		3/3/2017	59.9		128.5		10.2	
		3/10/2017	59.5		128.9		10.6	
		3/17/2017	60.0		128.4		10.1	
		3/24/2017	59.9		128.5		10.2	
		3/31/2017	59.5		128.9		10.6	
		4/7/2017	59.8		128.6		10.3	
		4/13/2017	59.9		128.5		10.2	
		4/21/2017	59.9		128.5		10.2	
		4/28/2017	60.0		128.4		10.1	
		5/5/2017	59.6		128.8		10.5	
		5/12/2017	59.8		128.6		10.3	
		5/19/2017	60.2		128.2		9.8	
		5/26/2017	60.3		128.1		9.8	
		6/2/2017	60.2		128.2		9.8	
		6/9/2017	59.7		128.7		10.4	
		6/16/2017	58.6		129.8		11.5	
		6/23/2017	60.1		128.3		10.0	
		6/30/2017	60.7		127.7		9.3	
		7/7/2017	60.8		127.6		9.3	
		7/14/2017	56.5		131.9		13.6	
		7/21/2017	58.5		129.9		11.6	
		7/28/2017	60.4		128.0		9.6	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-01	8/4/2017	60.1		128.3		10.0	
		8/11/2017	60.6		127.8		9.5	
		8/18/2017	59.8		128.6		10.3	
		8/25/2017	60.7		127.7		9.3	
		9/1/2017	60.7		127.7		9.3	
		9/8/2017	59.8		128.6		10.3	
		9/15/2017	54.5		133.9		15.6	
		9/22/2017	59.2		129.2		10.9	
		9/29/2017	59.3		129.1		10.8	
		10/6/2017	59.0		129.4		11.1	
		10/13/2017	59.0		129.4		11.1	
		10/20/2017	59.0		129.4		11.1	
		10/27/2017	59.2		129.2		10.9	
		11/3/2017	59.3		129.1		10.8	
		11/10/2017	59.3		129.1		10.8	
		11/17/2017	59.5		128.9		10.6	
		11/24/2017	59.3		129.1		10.8	
		12/1/2017	59.8		128.6		10.3	
		12/8/2017	59.4		129.0		10.7	
		12/15/2017	59.7		128.7		10.4	
		12/22/2017	59.7		128.7		10.4	
		12/29/2017	59.8		128.6		10.3	
		1/5/2018	60.2		128.2		9.8	
		1/12/2018	59.7		128.7		10.4	-0.5
		1/19/2018	59.7		128.7		10.4	-0.9
		1/26/2018	60.4		128.0		9.6	-1.1
		2/2/2018	60.3		128.1		9.8	-0.7
		2/9/2018	60.5		127.9		9.6	-0.8
		2/16/2018	60.5		127.9		9.6	-0.9
		2/23/2018	61.0		127.4		9.1	-1.7
		3/2/2018	60.9		127.5		9.1	-1.0
		3/9/2018	61.1		127.3		9.0	-1.6
		3/16/2018	61.2		127.1		8.8	-1.2
		3/23/2018	61.7		126.7		8.3	-1.8
		3/30/2018	61.3		127.1		8.8	-1.8
		4/6/2018	61.2		127.2		8.8	-1.4
		4/13/2018	61.7		126.7		8.3	-1.8
		4/20/2018	61.7		126.7		8.3	-1.8
		4/27/2018	61.6		126.8		8.5	-1.6
		5/4/2018	61.9		126.5		8.1	-2.3
		5/11/2018	62.3		126.1		7.8	-2.5
		5/18/2018	57.1		131.3		13.0	3.1
		5/25/2018	60.0		128.4		10.1	0.3

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-02	6/9/2016	54.5	187.62	133.1	117.9	15.2	
		6/11/2016	56.5		131.2		13.3	
		6/14/2016	56.0		131.7		13.8	
		6/16/2016	54.6		133.0		15.1	
		6/21/2016	56.2		131.4		13.5	
		6/22/2016	55.4		132.2		14.3	
		6/28/2016	56.1		131.5		13.6	
		7/13/2016	54.8		132.9		15.0	
		7/29/2016	54.9		132.8		14.9	
		8/5/2016	56.3		131.3		13.4	
		8/12/2016	55.6		132.0		14.1	
		8/19/2016	55.8		131.8		13.9	
		8/26/2016	55.8		131.8		13.9	
		9/2/2016	55.7		131.9		14.0	
		9/9/2016	55.7		131.9		14.0	
		9/16/2016	55.5		132.1		14.2	
		9/23/2016	54.9		132.7		14.8	
		9/30/2016	54.6		133.0		15.1	
		10/11/2016	54.3		133.3		15.4	
		10/14/2016	54.5		133.1		15.2	
		10/21/2016	54.0		133.6		15.7	
		10/28/2016	55.5		132.1		14.2	
		11/4/2016	54.0		133.6		15.7	
		11/11/2016	54.4		133.2		15.3	
		11/18/2016	54.5		133.1		15.2	
		11/25/2016	54.6		133.0		15.1	
		12/2/2016	54.9		132.7		14.8	
		12/9/2016	55.0		132.6		14.7	
		12/16/2016	55.0		132.6		14.7	
		12/23/2016	55.0		132.6		14.7	
		12/30/2016	55.1		132.5		14.6	
		1/6/2017	55.0		132.6		14.7	
		1/13/2017	55.4		132.2		14.3	
		1/20/2017	54.9		132.7		14.8	
		1/27/2017	55.4		132.2		14.3	
		2/3/2017	55.6		132.0		14.1	
		2/10/2017	55.6		132.0		14.1	
		2/17/2017	55.6		132.0		14.1	
		2/24/2017	55.4		132.2		14.3	
		3/3/2017	55.9		131.7		13.8	
		3/10/2017	55.8		131.8		13.9	
		3/17/2017	56.2		131.4		13.5	
		3/24/2017	56.2		131.4		13.5	
		3/31/2017	55.8		131.8		13.9	
		4/7/2017	56.4		131.2		13.3	
		4/13/2017	56.5		131.1		13.2	
		4/21/2017	56.4		131.2		13.3	
		4/28/2017	56.7		130.9		13.0	
		5/5/2017	56.4		131.2		13.3	
		5/12/2017	56.7		130.9		13.0	
		5/19/2017	56.9		130.7		12.8	
		5/26/2017	57.1		130.5		12.6	
		6/2/2017	57.0		130.6		12.7	
		6/9/2017	57.1		130.5		12.6	
		6/16/2017	57.0		130.6		12.7	
		6/23/2017	57.1		130.5		12.6	
		6/30/2017	57.2		130.4		12.5	
		7/7/2017	57.2		130.4		12.5	
		7/14/2017	57.2		130.4		12.5	
		7/21/2017	57.0		130.6		12.7	
		7/28/2017	56.8		130.8		12.9	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-02	8/4/2017	56.6		131.0		13.1	
		8/11/2017	55.9		131.7		13.8	
		8/18/2017	55.4		132.2		14.3	
		8/25/2017	55.0		132.6		14.7	
		9/1/2017	54.9		132.7		14.8	
		9/8/2017	54.4		133.2		15.3	
		9/15/2017	53.8		133.8		15.9	
		9/22/2017	52.9		134.7		16.8	
		9/29/2017	52.6		135.0		17.1	
		10/6/2017	52.5		135.1		17.2	
		10/13/2017	52.9		134.7		16.8	
		10/20/2017	53.1		134.5		16.6	
		10/27/2017	53.9		133.7		15.8	
		11/3/2017	54.2		133.4		15.5	
		11/10/2017	54.2		133.4		15.5	
		11/17/2017	54.3		133.3		15.4	
		11/24/2017	54.6		133.0		15.1	
		12/1/2017	54.6		133.0		15.1	
		12/8/2017	54.6		133.0		15.1	
		12/15/2017	54.6		133.0		15.1	
		12/22/2017	54.6		133.0		15.1	
		12/29/2017	54.9		132.7		14.8	
		1/5/2018	55.5		132.1		14.2	-0.5
		1/12/2018	54.7		132.9		15.0	0.7
		1/19/2018	54.6		133.0		15.1	0.3
		1/26/2018	55.7		131.9		14.0	-0.3
		2/2/2018	55.3		132.3		14.4	0.3
		2/9/2018	55.8		131.8		13.9	-0.2
		2/16/2018	55.8		131.8		13.9	-0.2
		2/23/2018	56.1		131.5		13.6	-0.7
		3/2/2018	55.9		131.7		13.8	0.0
		3/9/2018	56.0		131.6		13.7	-0.2
		3/16/2018	56.2		131.4		13.5	0.0
		3/23/2018	56.6		131.0		13.1	-0.4
		3/30/2018	56.3		131.3		13.4	-0.5
		4/6/2018	56.4		131.2		13.3	0.0
		4/13/2018	56.6		131.0		13.1	-0.1
		4/20/2018	56.9		130.7		12.8	-0.5
		4/27/2018	56.5		131.1		13.2	0.2
		5/4/2018	56.4		131.2		13.3	0.0
		5/11/2018	56.9		130.7		12.8	-0.2
		5/18/2018	56.8		130.8		12.9	0.1
		5/25/2018	56.6		131.0		13.1	0.5

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-03	6/10/2016	51.7	185.73	134.0	117.4	16.6	
		6/11/2016	58.5		127.3		9.9	
		6/13/2016	59.6		126.1		8.7	
		6/16/2016	59.7		126.1		8.7	
		6/21/2016	59.8		126.0		8.6	
		6/22/2016	59.9		125.9		8.5	
		6/28/2016	58.0		127.8		10.4	
		7/13/2016	56.2		129.6		12.2	
		7/29/2016	59.7		126.1		8.7	
		8/5/2016	56.2		129.5		12.1	
		8/12/2016	56.0		129.7		12.3	
		8/19/2016	56.2		129.5		12.1	
		8/26/2016	55.8		129.9		12.5	
		9/2/2016	56.0		129.7		12.3	
		9/9/2016	55.9		129.8		12.4	
		9/16/2016	55.0		130.7		13.3	
		9/23/2016	55.0		130.7		13.3	
		9/30/2016	55.0		130.7		13.3	
		10/11/2016	55.0		130.7		13.3	
		10/14/2016	55.0		130.7		13.3	
		10/21/2016	54.8		130.9		13.5	
		10/28/2016	54.7		131.0		13.6	
		11/4/2016	54.9		130.8		13.4	
		11/11/2016	54.3		131.4		14.0	
		11/18/2016	54.3		131.4		14.0	
		11/25/2016	54.3		131.4		14.0	
		12/2/2016	54.2		131.5		14.1	
		12/9/2016	54.9		130.8		13.4	
		12/16/2016	54.8		130.9		13.5	
		12/23/2016	54.9		130.8		13.4	
		12/30/2016	55.1		130.6		13.2	
		1/6/2017	54.9		130.8		13.4	
		1/13/2017	54.4		131.3		13.9	
		1/20/2017	55.0		130.7		13.3	
		1/27/2017	55.2		130.5		13.1	
		2/3/2017	55.4		130.3		12.9	
		2/10/2017	55.7		130.0		12.6	
		2/17/2017	55.8		129.9		12.5	
		2/24/2017	55.5		130.2		12.8	
		3/3/2017	55.9		129.8		12.4	
		3/10/2017	55.8		129.9		12.5	
		3/17/2017	56.1		129.6		12.2	
		3/24/2017	56.1		129.6		12.2	
		3/31/2017	55.9		129.8		12.4	
		4/7/2017	56.3		129.4		12.0	
		4/13/2017	56.2		129.5		12.1	
		4/21/2017	56.3		129.4		12.0	
		4/28/2017	56.5		129.2		11.8	
		5/5/2017	56.3		129.4		12.0	
		5/12/2017	56.5		129.2		11.8	
		5/19/2017	56.7		129.0		11.6	
		5/26/2017	56.8		128.9		11.5	
		6/2/2017	56.8		128.9		11.5	
		6/9/2017	57.0		128.7		11.3	
		6/16/2017	56.9		128.8		11.4	
		6/23/2017	57.1		128.6		11.2	
		6/30/2017	57.1		128.6		11.2	
		7/7/2017	57.1		128.6		11.2	
		7/14/2017	57.1		128.6		11.2	
		7/21/2017	56.8		128.9		11.5	
		7/28/2017	56.4		129.3		11.9	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-03	8/4/2017	56.2		129.5		12.1	
		8/11/2017	55.5		130.2		12.8	
		8/18/2017	55.0		130.7		13.3	
		8/25/2017	54.5		131.2		13.8	
		9/1/2017	54.4		131.3		13.9	
		9/8/2017	53.8		131.9		14.5	
		9/15/2017	52.8		132.9		15.5	
		9/22/2017	52.0		133.7		16.3	
		9/29/2017	51.6		134.1		16.7	
		10/6/2017	51.4		134.3		16.9	
		10/13/2017	51.6		134.1		16.7	
		10/20/2017	51.8		133.9		16.5	
		10/27/2017	52.3		133.4		16.0	
		11/3/2017	52.7		133.0		15.6	
		11/10/2017	52.9		132.8		15.4	
		11/17/2017	53.2		132.5		15.1	
		11/24/2017	53.1		132.6		15.2	
		12/1/2017	53.8		131.9		14.5	
		12/8/2017	53.7		132.0		14.6	
		12/15/2017	54.0		131.7		14.3	
		12/22/2017	53.8		131.9		14.5	
		12/29/2017	54.3		131.4		14.0	
		1/5/2018	54.7		131.0		13.6	0.2
		1/12/2018	54.3		131.4		14.0	0.1
		1/19/2018	54.9		130.8		13.4	0.1
		1/26/2018	55.1		130.6		13.2	0.1
		2/2/2018	55.0		130.7		13.3	0.4
		2/9/2018	55.2		130.5		13.1	0.5
		2/16/2018	55.2		130.5		13.1	0.6
		2/23/2018	55.4		130.3		12.9	0.1
		3/2/2018	55.3		130.4		13.0	0.6
		3/9/2018	55.5		130.2		12.8	0.3
		3/16/2018	55.6		130.2		12.8	0.5
		3/23/2018	56.0		129.7		12.3	0.1
		3/30/2018	55.7		130.0		12.6	0.2
		4/6/2018	55.9		129.8		12.4	0.4
		4/13/2018	55.9		129.8		12.4	0.3
		4/20/2018	56.2		129.5		12.1	0.1
		4/27/2018	56.1		129.6		12.2	0.4
		5/4/2018	56.4		129.3		11.9	-0.1
		5/11/2018	56.6		129.1		11.7	-0.1
		5/18/2018	56.6		129.1		11.7	0.1
		5/25/2018	56.6		129.1		11.7	0.2

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-05	6/22/2016	51.7	180.19	128.5	118.5	10.0	
		6/28/2016	52.4		127.8		9.3	
		7/13/2016	52.3		127.9		9.4	
		7/29/2016	52.8		127.4		8.9	
		8/5/2016	52.1		128.1		9.6	
		8/12/2016	52.0		128.2		9.7	
		8/19/2016	52.2		128.0		9.5	
		8/26/2016	52.0		128.2		9.7	
		9/2/2016	52.0		128.2		9.7	
		9/9/2016	52.0		128.2		9.7	
		9/16/2016	51.2		129.0		10.5	
		9/23/2016	50.9		129.3		10.8	
		9/30/2016	50.3		129.9		11.4	
		10/11/2016	50.1		130.1		11.6	
		10/14/2016	50.0		130.2		11.7	
		10/21/2016	50.0		130.2		11.7	
		10/28/2016	50.1		130.1		11.6	
		11/4/2016	50.3		129.9		11.4	
		11/11/2016	50.9		129.3		10.8	
		11/18/2016	51.0		129.2		10.7	
		11/25/2016	51.0		129.2		10.7	
		12/2/2016	51.1		129.1		10.6	
		12/9/2016	51.6		128.6		10.1	
		12/16/2016	51.3		128.9		10.4	
		12/23/2016	51.2		129.0		10.5	
		12/30/2016	51.1		129.1		10.6	
		1/6/2017	51.4		128.8		10.3	
		1/13/2017	51.6		128.6		10.1	
		1/20/2017	51.3		128.9		10.4	
		1/27/2017	51.8		128.4		9.9	
		2/3/2017	51.3		128.9		10.4	
		2/10/2017	51.4		128.8		10.3	
		2/17/2017	52.2		128.0		9.5	
		2/24/2017	52.1		128.1		9.6	
		3/3/2017	51.5		128.7		10.2	
		3/10/2017	52.3		127.9		9.4	
		3/17/2017	53.0		127.2		8.7	
		3/24/2017	53.2		127.0		8.5	
		3/31/2017	53.3		126.9		8.4	
		4/7/2017	53.7		126.5		8.0	
		4/13/2017	53.9		126.3		7.8	
		4/21/2017	53.9		126.3		7.8	
		4/28/2017	54.1		126.1		7.6	
		5/5/2017	54.0		126.2		7.7	
		5/12/2017	54.1		126.1		7.6	
		5/19/2017	54.2		126.0		7.5	
		5/26/2017	54.3		125.9		7.4	
		6/2/2017	54.3		125.9		7.4	
		6/9/2017	54.3		125.9		7.4	
		6/16/2017	54.3		125.9		7.4	
		6/23/2017	54.4		125.8		7.3	
		6/30/2017	54.5		125.7		7.2	
		7/7/2017	54.5		125.7		7.2	
		7/14/2017	54.6		125.6		7.1	
		7/21/2017	54.6		125.6		7.1	
		7/28/2017	54.3		125.9		7.4	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-05	8/4/2017	53.9		126.3		7.8	
		8/11/2017	53.1		127.1		8.6	
		8/18/2017	54.2		126.0		7.5	
		8/25/2017	51.1		129.1		10.6	
		9/1/2017	52.1		128.1		9.6	
		9/8/2017	51.4		128.8		10.3	
		9/15/2017	50.8		129.4		10.9	
		9/22/2017	50.0		130.2		11.7	
		9/29/2017	50.0		130.2		11.7	
		10/6/2017	50.3		129.9		11.4	
		10/13/2017	50.3		129.9		11.4	
		10/20/2017	51.2		129.0		10.5	
		10/27/2017	51.5		128.7		10.2	
		11/3/2017	51.8		128.4		9.9	
		11/10/2017	51.9		128.3		9.8	
		11/17/2017	52.5		127.7		9.2	
		11/24/2017	52.3		127.9		9.4	
		12/1/2017	52.7		127.5		9.0	
		12/8/2017	52.8		127.4		8.9	
		12/15/2017	52.9		127.3		8.8	
		12/22/2017	52.8		127.4		8.9	
		12/29/2017	53.2		127.0		8.5	
		1/5/2018	53.3		126.9		8.4	-1.9
		1/12/2018	53.0		127.2		8.7	-1.4
		1/19/2018	53.3		126.9		8.4	-2.0
		1/26/2018	53.4		126.8		8.3	-1.6
		2/2/2018	53.3		126.9		8.4	-2.0
		2/9/2018	53.4		126.8		8.3	-2.0
		2/16/2018	53.3		126.9		8.4	-1.1
		2/23/2018	53.4		126.8		8.3	-1.3
		3/2/2018	53.5		126.7		8.2	-2.0
		3/9/2018	53.6		126.6		8.1	-1.3
		3/16/2018	53.6		126.6		8.1	-0.6
		3/23/2018	53.9		126.3		7.8	-0.7
		3/30/2018	53.7		126.5		8.0	-0.4
		4/6/2018	53.8		126.4		7.9	-0.1
		4/13/2018	53.9		126.3		7.8	0.0
		4/20/2018	53.9		126.3		7.8	0.0
		4/27/2018	53.9		126.3		7.8	0.2
		5/4/2018	54.0		126.2		7.7	0.0
		5/11/2018	54.1		126.1		7.6	0.0
		5/18/2018	54.1		126.1		7.6	0.1
		5/25/2018	54.9		125.3		6.8	-0.6

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-15D	2/21/2017	55.8	184.44	128.6	117.0	11.6	
		2/23/2017	57.75		126.7		9.7	
		2/24/2017	57.9		126.5		9.5	
		3/3/2017	58.6		125.8		8.8	
		3/10/2017	58.4		126.0		9.0	
		3/17/2017	59.0		125.4		8.4	
		3/24/2017	59.3		125.1		8.1	
		3/31/2017	59.4		125.0		8.0	
		4/7/2017	59.8		124.6		7.6	
		4/13/2017	59.9		124.5		7.5	
		4/21/2017	59.9		124.5		7.5	
		4/28/2017	60.2		124.2		7.2	
		5/5/2017	59.9		124.5		7.5	
		5/12/2017	60.2		124.2		7.2	
		5/19/2017	60.4		124.0		7.0	
		5/26/2017	60.5		123.9		6.9	
		6/2/2017	60.5		123.9		6.9	
		6/9/2017	60.4		124.0		7.0	
		6/16/2017	60.5		123.9		6.9	
		6/23/2017	60.6		123.8		6.8	
		6/30/2017	60.7		123.7		6.7	
		7/7/2017	60.6		123.8		6.8	
		7/14/2017	60.7		123.7		6.7	
		7/21/2017	60.8		123.6		6.6	
		7/28/2017	60.7		123.7		6.7	
		8/4/2017	60.9		123.5		6.5	
		8/11/2017	60.7		123.7		6.7	
		8/18/2017	60.7		123.7		6.7	
		8/25/2017	60.5		123.9		6.9	
		9/1/2017	60.5		123.9		6.9	
		9/8/2017	60.1		124.3		7.3	
		9/15/2017	59.7		124.7		7.7	
		9/22/2017	59.1		125.3		8.3	
		9/29/2017	58.8		125.6		8.6	
		10/6/2017	58.7		125.7		8.7	
		10/13/2017	58.6		125.8		8.8	
		10/20/2017	58.8		125.6		8.6	
		10/27/2017	59.0		125.4		8.4	
		11/3/2017	59.3		125.1		8.1	
		11/10/2017	59.4		125.0		8.0	
		11/17/2017	59.6		124.8		7.8	
		11/24/2017	59.6		124.8		7.8	
		12/1/2017	60.0		124.4		7.4	
		12/8/2017	59.8		124.6		7.6	
		12/15/2017	60.0		124.4		7.4	
		12/22/2017	60.1		124.3		7.3	
		12/29/2017	60.1		124.3		7.3	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	60.4		124.0		7.0	
		1/12/2018	60.0		124.4		7.4	
		1/19/2018	60.4		124.0		7.0	
		1/26/2018	60.4		124.0		7.0	
		2/2/2018	60.3		124.1		7.1	
		2/9/2018	60.4		124.0		7.0	
		2/16/2018	60.3		124.1		7.1	
		2/23/2018	60.5		123.9		6.9	
		3/2/2018	60.4		124.0		7.0	
		3/9/2018	60.4		124.0		7.0	
		3/16/2018	60.3		124.1		7.1	
		3/23/2018	60.4		124.0		7.0	
		3/30/2018	60.6		123.8	See Note 16	6.8	
II	SB-15D	4/6/2018	60.6		123.8		6.8	-0.8
		4/13/2018	60.8		123.6		6.6	-0.9
		4/20/2018	60.8		123.6		6.6	-0.9
		4/27/2018	60.7		123.7		6.7	-0.5
		5/4/2018	61.0		123.4		6.4	-1.1
		5/11/2018	61.0		123.4		6.4	-0.8
		5/18/2018	60.9		123.5		6.5	-0.5
		5/25/2018	60.9		123.5		6.5	-0.4

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-16D	2/16/2017	54.5	183.60	129.1	117.2	11.9	
		2/17/2017	58.36		125.2		8.0	
		2/20/2017	58.3		125.3		8.1	
		2/23/2017	57.65		126.0		8.7	
		2/24/2017	57.8		125.8		8.6	
		3/3/2017	58.4		125.2		8.0	
		3/10/2017	58.2		125.4		8.2	
		3/17/2017	59.6		124.0		6.8	
		3/24/2017	59.9		123.7		6.5	
		3/31/2017	59.7		123.9		6.7	
		4/7/2017	60.3		123.3		6.1	
		4/13/2017	60.3		123.3		6.1	
		4/21/2017	60.3		123.3		6.1	
		4/28/2017	60.5		123.1		5.9	
		5/5/2017	60.2		123.4		6.2	
		5/12/2017	60.4		123.2		6.0	
		5/19/2017	60.4		123.2		6.0	
		5/26/2017	60.7		122.9		5.7	
		6/2/2017	60.6		123.0		5.8	
		6/9/2017	60.6		123.0		5.8	
		6/16/2017	60.6		123.0		5.8	
		6/23/2017	60.6		123		5.8	
		6/30/2017	60.7		122.9		5.7	
		7/7/2017	60.7		122.9		5.7	
		7/14/2017	60.6		123.0		5.8	
		7/21/2017	60.7		122.9		5.7	
		7/28/2017	60.5		123.1		5.9	
		8/4/2017	60.4		123.2		6.0	
		8/11/2017	59.7		123.9		6.7	
		8/18/2017	60.0		123.6		6.4	
		8/25/2017	61.0		122.6		5.4	
		9/1/2017	60.2		123.4		6.2	
		9/8/2017	59.6		124.0		6.8	
		9/15/2017	59.3		124.3		7.1	
		9/22/2017	58.6		125.0		7.8	
		9/29/2017	58.5		125.1		7.9	
		10/6/2017	58.5		125.1		7.9	
		10/13/2017	58.8		124.8		7.6	
		10/20/2017	59.4		124.2		7.0	
		10/27/2017	59.6		124.0		6.8	
		11/3/2017	59.7		123.9		6.7	
		11/10/2017	59.7		123.9		6.7	
		11/17/2017	59.9		123.7		6.5	
		11/24/2017	59.8		123.8		6.6	
		12/1/2017	59.6		124.0		6.8	
		12/8/2017	60.1		123.5		6.3	
		12/15/2017	60.3		123.3		6.1	
		12/22/2017	60.4		123.2		6.0	
		12/29/2017	60.4		123.2		6.0	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	60.4		123.2		6.0	
		1/12/2018	59.8		123.8		6.6	
		1/19/2018	60.1		123.5		6.3	
		1/26/2018	60.1		123.5		6.3	
		2/2/2018	60.0		123.6		6.4	
		2/9/2018	60.0		123.6		6.4	
		2/16/2018	60.0		123.6		6.4	
		2/23/2018	60.1		123.5		6.3	
		3/2/2018	60.0		123.6		6.4	
		3/9/2018	60.1		123.5		6.3	
		3/16/2018	60.1		123.5		6.3	
		3/23/2018	60.4		123.2		6.0	
		3/30/2018	60.1		123.5	See Note 16	6.3	
II	SB-16D	4/6/2018	60.2		123.4		6.2	0.1
		4/13/2018	60.3		123.3		6.1	0.0
		4/20/2018	60.1		123.5		6.3	0.2
		4/27/2018	60.1		123.5		6.3	0.4
		5/4/2018	60.3		123.3		6.1	-0.1
		5/11/2018	60.3		123.3		6.1	0.1
		5/18/2018	60.2		123.4		6.2	0.2
		5/25/2018	60.2		123.4		6.2	0.5

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-17D	2/16/2017	60.3	185.47	125.2	119.6	5.6	
		2/17/2017	60.31		125.2		5.6	
		2/20/2017	60.2		125.3		5.7	
		2/23/2017	59.90		125.6		6.0	
		2/24/2017	60.1		125.4		5.8	
		3/3/2017	60.7		124.8		5.2	
		3/10/2017	60.6		124.9		5.3	
		3/17/2017	60.9		124.6		5.0	
		3/24/2017	60.9		124.6		5.0	
		3/31/2017	60.6		124.9		5.3	
		4/7/2017	61.0		124.5		4.9	
		4/13/2017	61.1		124.4		4.8	
		4/21/2017	61.2		124.3		4.7	
		4/28/2017	61.3		124.2		4.6	
		5/5/2017	61.1		124.4		4.8	
		5/12/2017	61.3		124.2		4.6	
		5/19/2017	61.3		124.2		4.6	
		5/26/2017	61.5		124.0		4.4	
		6/2/2017	61.5		124.0		4.4	
		6/9/2017	61.5		124.0		4.4	
		6/16/2017	61.6		123.9		4.3	
		6/23/2017	61.7		123.8		4.2	
		6/30/2017	61.8		123.7		4.1	
		7/7/2017	61.8		123.7		4.1	
		7/14/2017	61.8		123.7		4.1	
		7/21/2017	61.8		123.7		4.1	
		7/28/2017	61.7		123.8		4.2	
		8/4/2017	61.6		123.9		4.3	
		8/11/2017	61.7		123.8		4.2	
		8/18/2017	61.5		124.0		4.4	
		8/25/2017	60.8		124.7		5.1	
		9/1/2017	60.8		124.7		5.1	
		9/8/2017	60.1		125.4		5.8	
		9/15/2017	59.3		126.2		6.6	
		9/22/2017	58.3		127.2		7.6	
		9/29/2017	57.6		127.9		8.3	
		10/6/2017	57.1		128.4		8.8	
		10/13/2017	57.2		128.3		8.7	
		10/20/2017	57.2		128.3		8.7	
		10/27/2017	57.9		127.6		8.0	
		11/3/2017	58.5		127.0		7.4	
		11/10/2017	58.6		126.9		7.3	
		11/17/2017	58.9		126.6		7.0	
		11/24/2017	58.8		126.7		7.1	
		12/1/2017	59.6		125.9		6.3	
		12/8/2017	59.3		126.2		6.6	
		12/15/2017	59.4		126.1		6.5	
		12/22/2017	59.6		125.9		6.3	
		12/29/2017	59.7		125.8		6.2	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	60.3		125.2		5.6	
		1/12/2018	60.0		125.5		5.9	
		1/19/2018	60.8		124.7		5.1	
		1/26/2018	60.9		124.6		5.0	
		2/2/2018	60.9		124.6		5.0	
		2/9/2018	61.1		124.4		4.8	
		2/16/2018	61.1		124.4		4.8	
		2/23/2018	61.2		124.3		4.7	
		3/2/2018	61.2		124.3		4.7	
		3/9/2018	61.3		124.2		4.6	
		3/16/2018	61.4		124.1		4.5	
		3/23/2018	61.8		123.7		4.1	
		3/30/2018	61.8		123.7	See Note 16	4.1	
II	SB-17D	4/6/2018	61.8		123.7		4.1	-0.8
		4/13/2018	61.9		123.6		4.0	-0.8
		4/20/2018	62.1		123.4		3.8	-0.9
		4/27/2018	62.0		123.5		3.9	-0.7
		5/4/2018	62.2		123.3		3.7	-1.1
		5/11/2018	62.3		123.2		3.6	-1.0
		5/18/2018	62.2		123.3		3.7	-0.9
		5/25/2018	62.7		122.8		3.2	-1.2

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-18D	2/16/2017	55.1	182.71	127.6	120.3	7.3	
		2/17/2017	58.91		123.8		3.5	
		2/20/2017	58.8		123.9		3.6	
		2/23/2017	58.70		124.0		3.7	
		2/24/2017	58.9		123.8		3.5	
		3/3/2017	59.2		123.5		3.2	
		3/10/2017	59.2		123.5		3.2	
		3/17/2017	59.4		123.3		3.0	
		3/24/2017	59.6		123.1		2.8	
		3/31/2017	59.2		123.5		3.2	
		4/7/2017	59.5		123.2		2.9	
		4/13/2017	59.7		123.0		2.7	
		4/21/2017	59.5		123.2		2.9	
		4/28/2017	59.7		123.0		2.7	
		5/5/2017	59.5		123.2		2.9	
		5/12/2017	59.6		123.1		2.8	
		5/19/2017	59.7		123.0		2.7	
		5/26/2017	59.7		123.0		2.7	
		6/2/2017	59.6		123.1		2.8	
		6/9/2017	59.5		123.2		2.9	
		6/16/2017	59.5		123.2		2.9	
		6/23/2017	59.6		123.1		2.8	
		6/30/2017	59.8		122.9		2.6	
		7/7/2017	59.7		123.0		2.7	
		7/14/2017	59.7		123.0		2.7	
		7/21/2017	60.1		122.6		2.3	
		7/28/2017	60.0		122.7		2.4	
		8/4/2017	60.2		122.5		2.2	
		8/11/2017	60.1		122.6		2.3	
		8/18/2017	60.0		122.7		2.4	
		8/25/2017	59.9		122.8		2.5	
		9/1/2017	59.7		123.0		2.7	
		9/8/2017	59.1		123.6		3.3	
		9/15/2017	58.1		124.6		4.3	
		9/22/2017	57.0		125.7		5.4	
		9/29/2017	56.2		126.5		6.2	
		10/6/2017	56.5		126.2		5.9	
		10/13/2017	56.4		126.3		6.0	
		10/20/2017	56.7		126.0		5.7	
		10/27/2017	58.0		124.7		4.4	
		11/3/2017	58.2		124.5		4.2	
		11/10/2017	58.1		124.6		4.3	
		11/17/2017	58.4		124.3		4.0	
		11/24/2017	58.4		124.3		4.0	
		12/1/2017	58.7		124.0		3.7	
		12/8/2017	58.7		124.0		3.7	
		12/15/2017	58.5		124.2		3.9	
		12/22/2017	58.8		123.9		3.6	
		12/29/2017	59.1		123.6		3.3	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	59.7		123.0		2.7	
		1/12/2018	59.5		123.2		2.9	
		1/19/2018	60.0		122.7		2.4	
		1/26/2018	60.0		122.7		2.4	
		2/2/2018	60.0		122.7		2.4	
		2/9/2018	59.9		122.8		2.5	
		2/16/2018	60.0		122.7		2.4	
		2/23/2018	60.1		122.6		2.3	
		3/2/2018	60.0		122.7		2.4	
		3/9/2018	60.0		122.7		2.4	
		3/16/2018	60.1		122.6		2.3	
		3/23/2018	60.3		122.4		2.1	
		3/30/2018	60.2		122.5	See Note 16	2.2	
II	SB-18D	4/6/2018	60.2		122.5		2.2	-0.7
		4/13/2018	60.6		122.1		1.8	-0.9
		4/20/2018	60.6		122.1		1.8	-1.1
		4/27/2018	60.5		122.2		1.9	-0.8
		5/4/2018	60.7		122.0		1.7	-1.2
		5/11/2018	60.8		121.9		1.6	-1.2
		5/18/2018	60.7		122.0		1.7	-1.0
		5/25/2018	60.7		122.0		1.7	-1.0

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
III	SB-19D	2/16/2017	87.5	203.06	115.6	114.2	1.4	
		2/17/2017	87.30		115.8		1.6	
		2/20/2017	87.2		115.9		1.7	
		2/23/2017	87.10		116.0		1.8	
		2/24/2017	86.5		116.6		2.4	
		3/3/2017	87.3		115.8		1.6	
		3/10/2017	87.2		115.9		1.7	
		3/17/2017	87.3		115.8		1.6	
		3/24/2017	87.3		115.8		1.6	
		3/31/2017	87.2		115.9		1.7	
		4/7/2017	87.3		115.8		1.6	
		4/13/2017	87.3		115.8		1.6	
		4/21/2017	87.4		115.7		1.5	
		4/28/2017	87.4		115.7		1.5	
		5/5/2017	87.2		115.9		1.7	
		5/12/2017	87.3		115.8		1.6	
		5/19/2017	87.4		115.7		1.5	
		5/26/2017	87.4		115.7		1.5	
		6/2/2017	87.3		115.8		1.6	
		6/9/2017	87.1		116.0		1.8	
		6/16/2017	86.4		116.7		2.5	
		6/23/2017	86.5		116.6		2.4	
		6/30/2017	87.1		116.0		1.8	
		7/7/2017	86.9		116.2		2.0	
		7/14/2017	86.7		116.4		2.2	
		7/21/2017	86.7		116.4		2.2	
		7/28/2017	87.0		116.1		1.9	
		8/4/2017	86.5		116.6		2.4	
		8/11/2017	86.8		116.3		2.1	
		8/18/2017	86.8		116.3		2.1	
		8/25/2017	86.8		116.3		2.1	
		9/1/2017	86.3		116.8		2.6	
		9/8/2017	86.2		116.9		2.7	
		9/15/2017	85.6		117.5		3.3	
		9/22/2017	85.7		117.4		3.2	
		9/29/2017	85.8		117.3		3.1	
		10/6/2017	85.8		117.3		3.1	
		10/13/2017	86.3		116.8		2.6	
		10/20/2017	86.6		116.5		2.3	
		10/27/2017	86.9		116.2		2.0	
		11/3/2017	87.0		116.1		1.9	
		11/10/2017	86.9		116.2		2.0	
		11/17/2017	87.0		116.1		1.9	
		11/24/2017	87.1		116.0		1.8	
		12/1/2017	87.1		116.0		1.8	
		12/8/2017	87.0		116.1		1.9	
		12/15/2017	87.0		116.1		1.9	
		12/22/2017	87.2		115.9		1.7	
		12/29/2017	87.1		116.0		1.8	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	87.3		115.8		1.6	
		1/12/2018	87.0		116.1		1.9	
		1/19/2018	87.3		115.8		1.6	
		1/26/2018	87.2		115.9		1.7	
		2/2/2018	87.2		115.9		1.7	
		2/9/2018	87.2		115.9		1.7	
		2/16/2018	87.1		116.0		1.8	
		2/23/2018	87.2		115.9		1.7	
		3/2/2018	87.2		115.9		1.7	
		3/9/2018	87.2		115.9		1.7	
		3/16/2018	87.2		115.9		1.7	
		3/23/2018	87.4		115.7		1.5	
		3/30/2018	87.1		116.0	See Note 16	1.8	
III	SB-19D	4/6/2018	87.2		115.9		1.7	0.1
		4/13/2018	87.2		115.9		1.7	0.1
		4/20/2018	87.2		115.9		1.7	0.2
		4/27/2018	87.1		116.0		1.8	0.3
		5/4/2018	87.2		115.9		1.7	0.0
		5/11/2018	87.2		115.9		1.7	0.1
		5/18/2018	87.2		115.9		1.7	0.2
		5/25/2018	87.0		116.1		1.9	0.4

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
III	SB-19S	3/3/2017	78.6	203.36	DRY	N/A	N/A	
		3/10/2017	78.6		DRY		N/A	
		3/17/2017	78.5		DRY		N/A	
		3/24/2017	78.5		DRY		N/A	
		3/31/2017	78.5		DRY		N/A	
		4/7/2017	78.4		DRY		N/A	
		4/13/2017	78.5		DRY		N/A	
		4/21/2017	78.6		DRY		N/A	
		4/28/2017	78.5		DRY		N/A	
		5/5/2017	78.5		DRY		N/A	
		5/12/2017	78.6		DRY		N/A	
		5/19/2017	78.5		DRY		N/A	
		5/26/2017	78.5		DRY		N/A	
		6/2/2017	78.5		DRY		N/A	
		6/9/2017	78.5		DRY		N/A	
		6/16/2017	78.5		DRY		N/A	
		6/23/2017	78.5		DRY		N/A	
		6/30/2017	78.5		DRY		N/A	
		7/7/2017	78.6		DRY		N/A	
		7/14/2017	78.6		DRY		N/A	
		7/21/2017	78.6		DRY		N/A	
		7/28/2017	78.6		DRY		N/A	
		8/4/2017	78.5		DRY		N/A	
		8/11/2017	78.5		DRY		N/A	
		8/18/2017	78.6		DRY		N/A	
		8/25/2017	78.6		DRY		N/A	
		9/1/2017	78.6		DRY		N/A	
		9/8/2017	78.5		DRY		N/A	
		9/15/2017	78.4		DRY		N/A	
		9/22/2017	78.4		DRY		N/A	
		9/29/2017	78.5		DRY		N/A	
		10/6/2017	78.5		DRY		N/A	
		10/13/2017	78.6		DRY		N/A	
		10/20/2017	78.5		DRY		N/A	
		10/27/2017	78.5		DRY		N/A	
		11/3/2017	78.5		DRY		N/A	
		11/10/2017	78.4		DRY		N/A	
		11/17/2017	78.4		DRY		N/A	
		11/24/2017	78.5		DRY		N/A	
		12/1/2017	78.5		DRY		N/A	
		12/8/2017	78.5		DRY		N/A	
		12/15/2017	78.5		DRY		N/A	
		12/22/2017	78.5		DRY		N/A	
		12/29/2017	78.5		DRY		N/A	
		1/5/2018	78.5		DRY		N/A	
		1/12/2018	78.5		DRY		N/A	
		1/19/2018	78.6		DRY		N/A	
		1/26/2018	78.5		DRY		N/A	
		2/2/2018	78.5		DRY		N/A	
		2/9/2018	78.5		DRY		N/A	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
III	SB-19S	2/16/2018	78.5		DRY		N/A	
		2/23/2018	78.5		DRY		N/A	
		3/2/2018	78.6		DRY		N/A	
		3/9/2018	78.5		DRY		N/A	
		3/16/2018	78.5		DRY		N/A	
		3/23/2018	78.6		DRY		N/A	
		3/30/2018	78.6		DRY		N/A	
		4/6/2018	78.6		DRY		N/A	
		4/13/2018	78.6		DRY		N/A	
		4/20/2018	78.6		DRY		N/A	
		4/27/2018	78.5		DRY		N/A	
		5/4/2018	78.6		DRY		N/A	
		5/11/2018	78.6		DRY		N/A	
		5/18/2018	78.6		DRY		N/A	
		5/25/2018	78.6		DRY		N/A	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
III	SB-20D	2/16/2017	74.4	192.86	118.5	115.0	3.5	
		2/17/2017	75.83		117.0		2.0	
		2/20/2017	75.7		117.2		2.2	
		2/23/2017	75.65		117.2		2.2	
		2/24/2017	75.7		117.2		2.2	
		3/3/2017	75.9		117.0		2.0	
		3/10/2017	75.8		117.1		2.1	
		3/17/2017	75.7		117.2		2.2	
		3/24/2017	75.9		117.0		2.0	
		3/31/2017	75.8		117.1		2.1	
		4/7/2017	75.9		117.0		2.0	
		4/13/2017	76.0		116.9		1.9	
		4/21/2017	75.9		117.0		2.0	
		4/28/2017	76.1		116.8		1.8	
		5/5/2017	75.9		117.0		2.0	
		5/12/2017	76.0		116.9		1.9	
		5/19/2017	76.1		116.8		1.8	
		5/26/2017	76.0		116.9		1.9	
		6/2/2017	76.0		116.9		1.9	
		6/9/2017	76.1		116.8		1.8	
		6/9/2017	76.1		116.8		1.8	
		6/16/2017	76.1		116.8		1.8	
		6/23/2017	76.1		116.8		1.8	
		6/30/2017	76.2		116.7		1.7	
		7/7/2017	76.2		116.7		1.7	
		7/14/2017	76.1		116.8		1.8	
		7/21/2017	76.1		116.8		1.8	
		7/28/2017	76.0		116.9		1.9	
		8/4/2017	76.1		116.8		1.8	
		8/11/2017	76.1		116.8		1.8	
		8/18/2017	75.9		117.0		2.0	
		8/25/2017	75.8		117.1		2.1	
		9/1/2017	75.8		117.1		2.1	
		9/8/2017	75.8		117.1		2.1	
		9/15/2017	75.6		117.3		2.3	
		9/22/2017	75.6		117.3		2.3	
		9/29/2017	75.2		117.7		2.7	
		10/6/2017	75.1		117.8		2.8	
		10/13/2017	75.1		117.8		2.8	
		10/20/2017	75.0		117.9		2.9	
		10/27/2017	75.0		117.9		2.9	
		11/3/2017	74.9		118.0		3.0	
		11/10/2017	74.8		118.1		3.1	
		11/17/2017	74.8		118.1		3.1	
		11/24/2017	74.8		118.1		3.1	
		12/1/2017	74.8		118.1		3.1	
		12/8/2017	74.7		118.2		3.2	
		12/15/2017	74.8		118.1		3.1	
		12/22/2017	75.0		117.9		2.9	
		12/29/2017	75.0		117.9		2.9	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	75.1		117.8		2.8	
		1/12/2018	74.8		118.1		3.1	
		1/19/2018	75.0		117.9		2.9	
		1/26/2018	75.0		117.9		2.9	
		2/2/2018	74.9		118.0		3.0	
		2/9/2018	74.9		118.0		3.0	
		2/16/2018	74.8		118.1		3.1	
		2/23/2018	74.8		118.1		3.1	
		3/2/2018	74.7		118.2		3.2	
		3/9/2018	74.6		118.3		3.3	
		3/16/2018	74.5		118.4		3.4	
		3/23/2018	74.6		118.3		3.3	
		3/30/2018	74.3		118.6	See Note 16	3.6	
III	SB-20D	4/6/2018	74.5		118.4		3.4	1.4
		4/13/2018	74.5		118.4		3.4	1.5
		4/20/2018	74.5		118.4		3.4	1.4
		4/27/2018	74.5		118.4		3.4	1.6
		5/4/2018	74.6		118.3		3.3	1.3
		5/11/2018	74.7		118.2		3.2	1.3
		5/18/2018	74.7		118.2		3.2	1.4
		5/25/2018	74.7		118.2		3.2	1.3

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
VI	SB-21D	2/16/2017	79.1	194.30	115.2	113.0	2.2	
		2/17/2017	79.18		115.1		2.1	
		2/20/2017	79.4		114.9		1.9	
		2/23/2017	79.05		115.3		2.3	
		2/24/2017	79.2		115.1		2.1	
		3/3/2017	79.2		115.1		2.1	
		3/10/2017	79.2		115.1		2.1	
		3/17/2017	79.1		115.2		2.2	
		3/24/2017	79.2		115.1		2.1	
		3/31/2017	79.0		115.3		2.3	
		4/7/2017	79.2		115.1		2.1	
		4/13/2017	79.2		115.1		2.1	
		4/21/2017	79.2		115.1		2.1	
		4/28/2017	79.3		115.0		2.0	
		5/5/2017	79.2		115.1		2.1	
		5/12/2017	79.2		115.1		2.1	
		5/19/2017	79.3		115.0		2.0	
		5/26/2017	79.4		114.9		1.9	
		6/2/2017	79.3		115.0		2.0	
		6/9/2017	79.4		114.9		1.9	
		6/16/2017	79.2		115.1		2.1	
		6/23/2017	79.4		114.9		1.9	
		6/30/2017	79.4		114.9		1.9	
		7/7/2017	79.4		114.9		1.9	
		7/14/2017	79.4		114.9		1.9	
		7/21/2017	79.3		115.0		2.0	
		7/28/2017	79.2		115.1		2.1	
		8/4/2017	79.0		115.3		2.3	
		8/11/2017	79.0		115.3		2.3	
		8/18/2017	79.0		115.3		2.3	
		8/25/2017	78.9		115.4		2.4	
		9/1/2017	78.9		115.4		2.4	
		9/8/2017	78.7		115.6		2.6	
		9/15/2017	78.4		115.9		2.9	
		9/22/2017	78.2		116.1		3.1	
		9/29/2017				See Note 11		
		10/6/2017	87.6	203.99	116.4	See Note 11	3.4	
		10/13/2017	87.8		116.2		3.2	
		10/20/2017	88.0		116.0		3.0	
		10/27/2017		208.67		See Note 11		
		11/3/2017				See Note 11		
		11/10/2017				See Note 11		
		11/17/2017				See Note 11		
		11/24/2017				See Note 11		
		12/1/2017				See Note 11		
		12/8/2017				See Note 11		
		12/15/2017	93.8		114.9		1.9	
		12/22/2017	93.8		114.9		1.9	
		12/29/2017	93.8		114.9		1.9	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	93.9		114.8		1.8	
		1/12/2018	93.6		115.1		2.1	
		1/19/2018	93.5		115.2		2.2	
		1/26/2018	93.8		114.9		1.9	
		2/2/2018	93.8		114.9		1.9	
		2/9/2018	93.9		114.8		1.8	
		2/16/2018	93.8		114.9		1.9	
		2/23/2018	93.8		114.9		1.9	
		3/2/2018	93.8		114.9		1.9	
		3/9/2018	93.8		114.9		1.9	
		3/16/2018	93.7		115.0		2.0	
		3/23/2018	93.9		114.8		1.8	
		3/30/2018	93.7		115.0	See Note 16	2.0	
VI	SB-21D	4/6/2018	93.6		115.1		2.1	0.0
		4/13/2018	93.8		114.9		1.9	-0.2
		4/20/2018	93.7		115.0		2.0	-0.1
		4/27/2018	93.7		115.0		2.0	0.0
		5/4/2018	93.7		115.0		2.0	-0.1
		5/11/2018	93.7		115.0		2.0	-0.1
		5/18/2018	93.7		115.0		2.0	0.0
		5/25/2018	93.6		115.1		2.1	0.2

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
VI	SB-22D	2/17/2017	78.5	193.05	114.6	113.2	1.4	
		2/17/2017	78.97		114.1		0.9	
		2/20/2017	78.8		114.3		1.1	
		2/23/2017	78.00		115.1		1.9	
		2/24/2017	78.1		115.0		1.8	
		3/3/2017	78.1		115.0		1.8	
		3/10/2017	78.2		114.9		1.7	
		3/17/2017	78.1		115.0		1.8	
		3/24/2017	78.0		115.1		1.9	
		3/31/2017	77.9		115.2		2.0	
		4/7/2017	78.0		115.1		1.9	
		4/13/2017	78.1		115.0		1.8	
		4/21/2017	78.2		114.9		1.7	
		4/28/2017	78.2		114.9		1.7	
		5/5/2017	78.1		115.0		1.8	
		5/12/2017	78.2		114.9		1.7	
		5/19/2017	78.2		114.9		1.7	
		5/26/2017	78.2		114.9		1.7	
		6/2/2017	78.2		114.9		1.7	
		6/9/2017	78.4		114.7		1.5	
		6/16/2017	78.2		114.9		1.7	
		6/23/2017	78.2		114.9		1.7	
		6/30/2017	78.4		114.7		1.5	
		7/7/2017	78.2		114.9		1.7	
		7/14/2017	78.2		114.9		1.7	
		7/21/2017	78.2		114.9		1.7	
		7/28/2017	78.1		115.0		1.8	
		8/4/2017	78.1		115.0		1.8	
		8/11/2017	78.1		115.0		1.8	
		8/18/2017	78.2		114.9		1.7	
		8/25/2017	78.2		114.9		1.7	
		9/1/2017	78.0		115.1		1.9	
		9/8/2017	77.8		115.3		2.1	
		9/15/2017	77.5		115.6		2.4	
		9/22/2017	77.1		116.0		2.8	
		9/29/2017	77.1		116.0		2.8	
		10/6/2017	77.1		116.0		2.8	
		10/13/2017	77.3		115.8		2.6	
		10/20/2017	77.5		115.6		2.4	
		10/27/2017	77.5		115.6		2.4	
		11/3/2017	77.7		115.4		2.2	
		11/10/2017	77.7		115.4		2.2	
		11/17/2017	77.7		115.4		2.2	
		11/24/2017	77.8		115.3		2.1	
		12/1/2017	78.0		115.1		1.9	
		12/8/2017	78.0		115.1		1.9	
		12/15/2017	78.0		115.1		1.9	
		12/22/2017	78.1		115.0		1.8	
		12/29/2017	78.1		115.0		1.8	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
VI	SB-22D	1/5/2018	78.1		115.0		1.8	
		1/12/2018	78.1		115.0		1.8	
		1/19/2018	78.0		115.1		1.9	
		1/26/2018	78.1		115.0		1.8	
		2/2/2018	78.1		115.0		1.8	
		2/9/2018	78.1		115.0		1.8	
		2/16/2018	78.1		115.0		1.8	
		2/23/2018	78.1		115.0		1.8	
		3/2/2018	78.2		114.9		1.7	
		3/9/2018	78.2		114.9		1.7	
		3/16/2018	78.1		115.0		1.8	
		3/23/2018	78.3		114.8		1.6	
		3/30/2018	78.0		115.1	See Note 16	1.9	
		4/6/2018	78.0		115.1		1.9	0.0
		4/13/2018	77.7		115.4		2.2	0.4
		4/20/2018	-			See Note 17		
		4/27/2018	-			See Note 17		
		5/4/2018	88.0	202.8	114.8	See Note 17	1.6	-0.2
		5/11/2018	96.2	210.8	114.6	See Note 17	1.4	-0.3
		5/18/2018				See Note 18		

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
IV	SB-23D	2/16/2017	83.9	199.70	115.8	113.3	2.5	
		2/17/2017	84.0		115.7		2.4	
		2/20/2017	84.1		115.6		2.3	
		2/23/2017	83.85		115.9		2.6	
		2/24/2017	83.9		115.8		2.5	
		3/3/2017	84.0		115.7		2.4	
		3/10/2017	84.0		115.7		2.4	
		3/17/2017	84.0		115.7		2.4	
		3/24/2017	83.9		115.8		2.5	
		3/31/2017	84.5		115.2		1.9	
		4/7/2017	83.9		115.8		2.5	
		4/13/2017	84.0		115.7		2.4	
		4/21/2017	84.1		115.6		2.3	
		4/28/2017	84.1		115.6		2.3	
		5/5/2017	84.1		115.6		2.3	
		5/12/2017	84.3		115.4		2.1	
		5/19/2017	84.2		115.5		2.2	
		5/26/2017	84.2		115.5		2.2	
		6/2/2017	84.2		115.5		2.2	
		6/9/2017	84.3		115.4		2.1	
		6/16/2017	84.1		115.6		2.3	
		6/23/2017	84.2		115.5		2.2	
		6/30/2017	84.3		115.4		2.1	
		7/7/2017	84.2		115.5		2.2	
		7/14/2017	84.3		115.4		2.1	
		7/21/2017	84.1		115.6		2.3	
		7/28/2017	84.1		115.6		2.3	
		8/4/2017	84.0		115.7		2.4	
		8/11/2017	83.9		115.8		2.5	
		8/18/2017	84.0		115.7		2.4	
		8/25/2017	83.9		115.8		2.5	
		9/1/2017	83.8		115.9		2.6	
		9/8/2017	83.7		116.0		2.7	
		9/15/2017		208.90		See Note 10		
		9/22/2017				See Note 10		
		9/29/2017				See Note 10		
		10/6/2017	92.6		116.3		3.0	
		10/13/2017	92.7		116.2		2.9	
		10/20/2017	92.9		116.0		2.7	
		10/27/2017	92.8		116.1		2.8	
		11/3/2017	93.2		115.7		2.4	
		11/10/2017	93.2		115.7		2.4	
		11/17/2017	93.6		115.3		2.0	
		11/24/2017	93.3		115.6		2.3	
		12/1/2017	93.4		115.5		2.2	
		12/8/2017	93.4		115.5		2.2	
		12/15/2017	93.4		115.5		2.2	
		12/22/2017	93.6		115.3		2.0	
		12/29/2017	93.5		115.4		2.1	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		1/5/2018	93.6		115.3		2.0	
		1/12/2018	93.4		115.5		2.2	
		1/19/2018	93.4		115.5		2.2	
		1/26/2018	93.5		115.4		2.1	
		2/2/2018	93.5		115.4		2.1	
		2/9/2018	93.5		115.4		2.1	
		2/16/2018	93.5		115.4		2.1	
		2/23/2018	93.6		115.3		2.0	
		3/2/2018	93.6		115.3		2.0	
		3/9/2018	93.6		115.3		2.0	
		3/16/2018	93.5		115.4		2.1	
		3/23/2018	93.8		115.1		1.8	
		3/30/2018	93.4		115.5	See Note 16	2.2	
IV	SB-23D	4/6/2018	93.6		115.3		2.0	-0.5
		4/13/2018	93.6		115.3		2.0	-0.4
		4/20/2018	93.6		115.3		2.0	-0.3
		4/27/2018	93.5		115.4		2.1	-0.2
		5/4/2018	93.5		115.4		2.1	-0.2
		5/11/2018	93.5		115.4		2.1	0.0
		5/18/2018	93.5		115.4		2.1	-0.1
		5/25/2018	93.4		115.5		2.2	0.0

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
IV	SB-23S	2/23/2017	80.4	199.45	DRY	N/A	N/A	
		2/24/2017	80.4		DRY		N/A	
		3/3/2017	80.4		DRY		N/A	
		3/10/2017	80.3		DRY		N/A	
		3/17/2017	80.3		DRY		N/A	
		3/24/2017	80.3		DRY		N/A	
		3/31/2017	80.3		DRY		N/A	
		4/7/2017	80.2		DRY		N/A	
		4/13/2017	80.2		DRY		N/A	
		4/21/2017	80.2		DRY		N/A	
		4/28/2017	80.2		DRY		N/A	
		5/5/2017	80.2		DRY		N/A	
		5/12/2017	80.1		DRY		N/A	
		5/19/2017	80.1		DRY		N/A	
		5/26/2017	80.1		DRY		N/A	
		6/2/2017	80.1		DRY		N/A	
		6/9/2017	80.1		DRY		N/A	
		6/16/2017	80.1		DRY		N/A	
		6/23/2017	80.1		DRY		N/A	
		6/30/2017	80.1		DRY		N/A	
		7/7/2017	80.2		DRY		N/A	
		7/14/2017	80.1		DRY		N/A	
		7/21/2017	80.2		DRY		N/A	
		7/28/2017	80.2		DRY		N/A	
		8/4/2017	80.1		DRY		N/A	
		8/11/2017	80.1		DRY		N/A	
		8/18/2017	80.1		DRY		N/A	
		8/25/2017	80.1		DRY		N/A	
		9/1/2017	80.1		DRY		N/A	
		9/8/2017	80.1		DRY		N/A	
		9/15/2017		208.78		See Note 10		
		9/22/2017				See Note 10		
		9/29/2017				See Note 10		
		10/6/2017				See Note 10		
		10/13/2017				See Note 10		
		10/20/2017				See Note 10		
		10/27/2017	89.4		DRY		N/A	
		11/3/2017	89.4		DRY		N/A	
		11/10/2017	89.4		DRY		N/A	
		11/17/2017	89.4		DRY		N/A	
		11/24/2017	89.4		DRY		N/A	
		12/1/2017	89.4		DRY		N/A	
		12/8/2017	89.4		DRY		N/A	
		12/15/2017	89.4		DRY		N/A	
		12/22/2017	89.4		DRY		N/A	
		12/29/2017	89.3		DRY		N/A	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
IV	SB-23S	1/5/2018	89.3		DRY		N/A	
		1/12/2018	89.3		DRY		N/A	
		1/19/2018	89.3		DRY		N/A	
		1/26/2018	89.3		DRY		N/A	
		2/2/2018	89.3		DRY		N/A	
		2/9/2018				See Note 15		

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-24D	3/3/2017	66.3	188.82	122.5	117.6	4.9	
		3/10/2017	66.3		122.5		4.9	
		3/17/2017	66.5		122.3		4.7	
		3/24/2017	66.6		122.2		4.6	
		3/31/2017	66.3		122.5		4.9	
		4/7/2017	66.6		122.2		4.6	
		4/13/2017	66.8		122.0		4.4	
		4/21/2017	66.8		122.0		4.4	
		4/28/2017	67.0		121.8		4.2	
		5/5/2017	66.8		122.0		4.4	
		5/12/2017	67.2		121.6		4.0	
		5/19/2017	67.3		121.5		3.9	
		5/26/2017	67.3		121.5		3.9	
		6/2/2017	67.4		121.4		3.8	
		6/9/2017	67.4		121.4		3.8	
		6/16/2017	67.5		121.3		3.7	
		6/23/2017	67.5		121.3		3.7	
		6/30/2017	67.5		121.3		3.7	
		7/7/2017	67.4		121.4		3.8	
		7/14/2017	67.2		121.6		4.0	
		7/21/2017	66.7		122.1		4.5	
		7/28/2017	66.1		122.7		5.1	
		8/4/2017	65.3		123.5		5.9	
		8/11/2017	64.3		124.5		6.9	
		8/18/2017	63.8		125.0		7.4	
		8/25/2017	63.9		124.9		7.3	
		9/1/2017	63.7		125.1		7.5	
		9/8/2017	62.8		126.0		8.4	
		9/15/2017	62.0		126.8		9.2	
		9/22/2017	61.6		127.2		9.6	
		9/29/2017	62.0		126.8		9.2	
		10/6/2017	62.3		126.5		8.9	
		10/13/2017	62.3		126.5		8.9	
		10/20/2017	63.4		125.4		7.8	
		10/27/2017	63.7		125.1		7.5	
		11/3/2017	64.1		124.7		7.1	
		11/10/2017	64.2		124.6		7.0	
		11/17/2017	64.4		124.4		6.8	
		11/24/2017	64.5		124.3		6.7	
		12/1/2017	64.9		123.9		6.3	
		12/8/2017	64.8		124.0		6.4	
		12/15/2017	65.1		123.7		6.1	
		12/22/2017	65.2		123.6		6.0	
		12/29/2017	65.3		123.5		5.9	
		1/5/2018	65.5		123.3		5.7	
		1/12/2018	65.4		123.4		5.8	
		1/19/2018	65.8		123.0		5.4	
		1/26/2018	66.0		122.8		5.2	
		2/2/2018	65.9		122.9		5.3	
		2/9/2018	66.0		122.8		5.2	
		2/16/2018	66.0		122.8		5.2	
		2/23/2018	66.1		122.7		5.1	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-24D	3/2/2018	66.0		122.8		5.2	
		3/9/2018	66.1		122.7		5.1	
		3/16/2018	66.1		122.7		5.1	
		3/23/2018	66.4		122.4		4.8	
		3/30/2018	66.3		122.5	See Note 16	4.9	
		4/6/2018	66.4		122.4		4.8	0.2
		4/13/2018	66.4		122.4		4.8	0.4
		4/20/2018	66.6		122.2		4.6	0.2
		4/27/2018	66.5		122.3		4.7	0.5
		5/4/2018	66.8		122.0		4.4	0.0
		5/11/2018	66.9		121.9		4.3	0.3
		5/18/2018	66.9		121.9		4.3	0.4
		5/25/2018	67.0		121.8		4.2	0.3

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
I	SB-25D	3/10/2017	80.6	208.83	128.2	117.5	10.7	
		3/17/2017	80.8		128.0		10.5	
		3/24/2017	80.8		128.0		10.5	
		3/31/2017	80.4		128.4		10.9	
		4/7/2017	80.6		128.2		10.7	
		4/13/2017	80.8		128.0		10.5	
		4/21/2017	80.8		128.0		10.5	
		4/28/2017	85.5	213.83	128.3	See Note 3	10.8	
		5/5/2017	85.2		128.6		11.1	
		5/15/2017	83.6	211.40	127.8	See Note 4	10.3	
		5/19/2017	83.8		127.6		10.1	
		5/26/2017	83.8		127.6		10.1	
		6/2/2017	83.9		127.5		10.0	
		6/9/2017	83.8		127.6		10.1	
		6/16/2017	84.0		127.4		9.9	
		6/23/2017	84.0		127.4		9.9	
		6/30/2017	84.1		127.3		9.8	
		7/7/2017	84.1		127.3		9.8	
		7/14/2017	84.2		127.2		9.7	
		7/21/2017	84.1		127.3		9.8	
		7/28/2017	84.1		127.3		9.8	
		8/4/2017	84.1		127.3		9.8	
		8/11/2017	84.0		127.4		9.9	
		8/18/2017	83.9		127.5		10.0	
		8/25/2017	83.8		127.6		10.1	
		9/1/2017	-			See Note 9		

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-26	4/14/2017	25.3	148.36	123.1	119.3	3.8	
		4/17/2017	25.3		123.1		3.8	
		4/19/2017	25.2		123.2		3.9	
		4/21/2017	25.1		123.3		4.0	
		4/26/2017	25.12		123.24		3.94	
		4/28/2017	25.2		123.2		3.9	
		5/5/2017	25.1		123.3		4.0	
		5/12/2017	25.3		123.1		3.8	
		5/19/2017	25.3		123.1		3.8	
		5/26/2017	25.5		122.9		3.6	
		6/2/2017	25.5		122.9		3.6	
		6/9/2017	25.5		122.9		3.6	
		6/16/2017	25.5		122.9		3.6	
		6/23/2017	25.4		123.0		3.7	
		6/30/2017	25.4		123.0		3.7	
		7/7/2017	23.8		124.6		5.3	
		7/14/2017	23.6		124.8		5.5	
		7/21/2017	23.7		124.7		5.4	
		7/28/2017	23.6		124.8		5.5	
		8/4/2017	23.2		125.2		5.9	
		8/11/2017	23.2		125.2		5.9	
		8/18/2017	23.3		125.1		5.8	
		8/25/2017	23.2		125.2		5.9	
		9/1/2017	23.5		124.9		5.6	
		9/8/2017	23.2		125.2		5.9	
		9/15/2017	22.2		126.2		6.9	
		9/22/2017	22.0		126.4		7.1	
		9/29/2017	22.1		126.3		7.0	
		10/6/2017	22.4		126.0		6.7	
		10/13/2017	22.4		126.0		6.7	
		10/20/2017	23.0		125.4		6.1	
		10/27/2017	23.5		124.9		5.6	
		11/3/2017	23.5		124.9		5.6	
		11/10/2017	24.2		124.2		4.9	
		11/17/2017	24.4		124.0		4.7	
		11/24/2017	24.5		123.9		4.6	
		12/1/2017	24.8		123.6		4.3	
		12/8/2017	24.8		123.6		4.3	
		12/15/2017	25.0		123.4		4.1	
		12/22/2017	25.1		123.3		4.0	
		12/29/2017	25.2		123.2		3.9	
		1/5/2018	25.1		123.3		4.0	
		1/12/2018	24.8		123.6		4.3	
		1/19/2018	24.8		123.6		4.3	
		1/26/2018	24.9		123.5		4.2	
		2/2/2018	24.8		123.6		4.3	
		2/9/2018	24.8		123.6		4.3	
		2/16/2018	24.9		123.5		4.2	
		2/23/2018	24.9		123.5		4.2	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-26	3/2/2018	24.9		123.5		4.2	
		3/9/2018	24.9		123.5		4.2	
		3/16/2018	24.9		123.4		4.1	
		3/23/2018	25.1		123.3		4.0	
		3/30/2018	24.9		123.5		4.2	
		4/6/2018	25.0		123.4		4.1	0.3
		4/13/2018	25.0		123.4		4.1	0.2
		4/20/2018	25.1		123.3		4.0	0.0
		4/27/2018	25.0		123.4		4.1	0.1
		5/4/2018	25.0		123.4		4.1	0.2
		5/11/2018	25.1		123.3		4.0	0.0
		5/18/2018	25.1		123.3		4.0	0.2
		5/25/2018	24.7		123.7		4.4	0.6

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-27	4/13/2017	15.7	138.11	122.4	120.6	1.8	
		4/17/2017	15.7		122.4		1.8	
		4/19/2017	15.7		122.4		1.8	
		4/21/2017	15.6		122.5		1.9	
		4/26/2017	15.52		122.59		1.99	
		4/28/2017	15.7		122.4		1.8	
		5/5/2017	15.6		122.5		1.9	
		5/12/2017	15.6		122.5		1.9	
		5/19/2017	15.7		122.4		1.8	
		5/26/2017	15.8		122.3		1.7	
		6/2/2017	15.7		122.4		1.8	
		6/9/2017	15.7		122.4		1.8	
		6/16/2017	15.6		122.5		1.9	
		6/23/2017	15.6		122.5		1.9	
		6/30/2017	15.6		122.5		1.9	
		7/7/2017	Removed		-	See Note 5	-	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
I	SB-28D	5/5/2017	87.5	208.62	121.1	116.7	4.4	
		5/12/2017	87.3		121.3		4.6	
		5/19/2017	87.3		121.3		4.6	
		5/26/2017	87.3		121.3		4.6	
		6/2/2017	87.5		121.1		4.4	
		6/9/2017	87.2		121.4		4.7	
		6/16/2017	87.3		121.3		4.6	
		6/23/2017	87.5		121.1		4.4	
		6/30/2017	87.4		121.2		4.5	
		7/7/2017	87.5		121.1		4.4	
		7/14/2017	87.5		121.1		4.4	
		7/21/2017	87.4		121.2		4.5	
		7/28/2017	87.2		121.4		4.7	
		8/4/2017	87.3		121.3		4.6	
		8/11/2017	87.3		121.3		4.6	
		8/18/2017	87.0		121.6		4.9	
		8/25/2017	86.9		121.7		5.0	
		9/1/2017	86.9		121.7		5.0	
		9/8/2017	86.6		122.0		5.3	
		9/15/2017	86.5		122.1		5.4	
		9/22/2017	86.1		122.5		5.8	
		9/29/2017	86.0		122.6		5.9	
		10/6/2017	85.9		122.7		6.0	
		10/13/2017	86.1		122.5		5.8	
		10/20/2017	86.1		122.5		5.8	
		10/27/2017	86.1		122.5		5.8	
		11/3/2017	86.1		122.5		5.8	
		11/10/2017	86.2		122.4		5.7	
		11/17/2017	86.4		122.2		5.5	
		11/24/2017	86.2		122.4		5.7	
		12/1/2017	86.6		122.0		5.3	
		12/8/2017	86.4		122.2		5.5	
		12/15/2017	86.6		122.0		5.3	
		12/22/2017	86.6		122.0		5.3	
		12/29/2017	86.8		121.8		5.1	
		1/5/2018	86.7		121.9		5.2	
		1/12/2018	86.7		121.9		5.2	
		1/19/2018	86.7		121.9		5.2	
		1/26/2018	87.1		121.5		4.8	
		2/2/2018	86.9		121.7		5.0	
		2/9/2018	87.0		121.6		4.9	
		2/16/2018	87.0		121.6		4.9	
		2/23/2018	87.1		121.5		4.8	
		3/2/2018	87.0		121.6		4.9	
		3/9/2018	87.1		121.5		4.8	
		3/16/2018	87.1		121.5		4.8	
		3/23/2018	87.4		121.2		4.5	
		3/30/2018	87.2		121.4	See Note 16	4.7	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
I	SB-28D	4/6/2018	87.2		121.4		4.7	
		4/13/2018	87.2		121.4		4.7	
		4/20/2018	87.4		121.2		4.5	
		4/27/2018	87.3		121.3		4.6	
		5/4/2018	87.5		121.1		4.4	0.0
		5/11/2018	87.5		121.1		4.4	-0.2
		5/18/2018	87.4		121.2		4.5	-0.1
		5/25/2018	87.6		121.0		4.3	-0.3

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
I	SB-29	5/5/2017	78.5	207.86	129.4	117.5	11.9	
		5/12/2017	77.2		130.7		13.2	
		5/19/2017	77.4		130.5		13.0	
		5/26/2017	79.3		128.6		11.1	
		6/2/2017	82.3		125.6		8.1	
		6/9/2017	82.4		125.5		8.0	
		6/16/2017	81.9		126.0		8.5	
		6/23/2017	77.1		130.8		13.3	
		6/30/2017	82.9		125.0		7.5	
		7/7/2017	82.7		125.2		7.7	
		7/14/2017	83.0		124.9		7.4	
		7/21/2017	83.3		124.6		7.1	
		7/28/2017	82.9		125.0		7.5	
		8/4/2017	82.8		125.1		7.6	
		8/11/2017	81.2		126.7		9.2	
		8/18/2017	81.2		126.7		9.2	
		8/25/2017	82.8		125.1		7.6	
		9/1/2017	82.8		125.1		7.6	
		9/8/2017	82.8		125.1		7.6	
		9/15/2017	79.4		128.5		11.0	
		9/22/2017	82.3		125.6		8.1	
		9/29/2017	82.6		125.3		7.8	
		10/6/2017	81.1		126.8		9.3	
		10/13/2017	81.1		126.8		9.3	
		10/20/2017	82.6		125.3		7.8	
		10/27/2017	77.0		130.9		13.4	
		11/3/2017	77.1		130.8		13.3	
		11/10/2017	83.2		124.7		7.2	
		11/17/2017	82.2		125.7		8.2	
		11/24/2017	82.2		125.7		8.2	
		12/1/2017	82.7		125.2		7.7	
		12/8/2017	82.5		125.4		7.9	
		12/15/2017	82.7		125.2		7.7	
		12/22/2017	82.6		125.3		7.8	
		12/29/2017	82.7		125.2		7.7	
		1/5/2018	82.8		125.1		7.6	
		1/12/2018	82.5		125.4		7.9	
		1/19/2018	82.4		125.5		8.0	
		1/26/2018	80.9		127.0		9.5	
		2/2/2018	81.0		126.9		9.4	
		2/9/2018	81.0		126.9		9.4	
		2/16/2018	81.4		126.5		9.0	
		2/23/2018	82.6		125.3		7.8	
		3/2/2018	82.8		125.1		7.6	
		3/8/2018	82.8		125.1		7.6	
		3/16/2018	80.6		127.3		9.8	
		3/23/2018	83.5		124.4		6.9	
		3/30/2018	81.0		126.9		9.4	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
I	SB-29	4/6/2018	81.0		126.9		9.4	
		4/13/2018	80.9		127.0		9.5	
		4/20/2018	81.1		126.8		9.3	
		4/27/2018	80.8		127.1		9.6	
		5/4/2018	82.7		125.2		7.7	-4.2
		5/11/2018	82.8		125.1		7.6	-5.6
		5/18/2018	82.9		125.0		7.5	-5.5
		5/25/2018	82.6		125.3		7.8	-3.3

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-30	5/5/2017	64.3	189.53	125.2	117.8	7.4	
		5/12/2017	64.7		124.8		7.0	
		5/19/2017	64.8		124.7		6.9	
		5/26/2017	65.7		123.8		6.0	
		6/2/2017	65.7		123.8		6.0	
		6/9/2017	65.7		123.8		6.0	
		6/16/2017	65.6		123.9		6.1	
		6/23/2017	65.6		123.9		6.1	
		6/30/2017	65.2		124.3		6.5	
		7/7/2017	65.7		123.8		6.0	
		7/14/2017	65.8		123.7		5.9	
		7/21/2017	66.0		123.5		5.7	
		7/28/2017	66.0		123.5		5.7	
		8/4/2017	66.0		123.5		5.7	
		8/11/2017	65.6		123.9		6.1	
		8/18/2017	65.8		123.7		5.9	
		8/25/2017	65.8		123.7		5.9	
		9/1/2017	65.9		123.6		5.8	
		9/8/2017	65.5		124.0		6.2	
		9/15/2017	64.4		125.1		7.3	
		9/22/2017	64.7		124.8		7.0	
		9/29/2017	64.7		124.8		7.0	
		10/6/2017	64.8		124.7		6.9	
		10/13/2017	63.4		126.1		8.3	
		10/20/2017	63.2		126.3		8.5	
		10/27/2017	65.4		124.1		6.3	
		11/3/2017	65.4		124.1		6.3	
		11/10/2017	65.3		124.2		6.4	
		11/17/2017	65.4		124.1		6.3	
		11/24/2017	65.5		124.0		6.2	
		12/1/2017	65.6		123.9		6.1	
		12/8/2017	65.4		124.1		6.3	
		12/15/2017	65.5		124.0		6.2	
		12/22/2017	65.6		123.9		6.1	
		12/29/2017	65.7		123.8		6.0	
		1/5/2018	65.8		123.7		5.9	
		1/12/2018	65.6		123.9		6.1	
		1/19/2018	65.6		123.9		6.1	
		1/26/2018	65.6		123.9		6.1	
		2/2/2018	65.8		123.7		5.9	
		2/9/2018	65.8		123.7		5.9	
		2/16/2018	65.8		123.7		5.9	
		2/23/2018	65.9		123.6		5.8	
		3/2/2018	65.9		123.6		5.8	
		3/8/2018	65.9		123.6		5.8	
		3/16/2018	66.0		123.5		5.7	
		3/23/2018	66.2		123.3		5.5	
		3/30/2018	65.7		123.8		6.0	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-30	4/6/2018	66.0		123.5		5.7	
		4/13/2018	66.0		123.5		5.7	
		4/20/2018	66.1		123.4		5.6	
		4/27/2018	66.0		123.5		5.7	
		5/4/2018	66.4		123.1		5.3	-2.1
		5/11/2018	66.4		123.1		5.3	-1.7
		5/18/2018	66.4		123.1		5.3	-1.6
		5/25/2018	66.3		123.2		5.4	-0.6

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	SB-31[14]	3/7/2018	18.4	141.8	123.4	122.4	1.0	
		3/9/2018	18.4		123.4		1.0	
		3/16/2018	18.4		123.4		1.0	
		3/23/2018	18.4		123.4		1.0	
		3/30/2018	18.4		123.4		1.0	
		4/6/2018	18.4		123.4		1.0	
		4/13/2018	18.4		123.4		1.0	
		4/20/2018	18.4		123.4		1.0	
		4/27/2018	18.5		123.3		0.9	
		5/4/2018	18.5		123.3		0.9	
		5/11/2018				See Note 20		
III	SB-32[14]	3/7/2018	24.1	146.8	122.7	121.9	0.8	
		3/9/2018	24.1		122.7		0.8	
		3/16/2018	24.1		122.7		0.8	
		3/23/2018	24.2		122.6		0.7	
		3/30/2018	24.2		122.6		0.7	
		4/6/2018	24.2		122.6		0.7	
		4/13/2018	24.2		122.6		0.7	
		4/20/2018	24.2		122.6		0.7	
		4/27/2018	24.5		122.3	See Note 19	0.4	
		5/4/2018	24.5		122.3	See Note 19	0.4	
		5/11/2018	24.4		122.4		0.5	
		5/18/2018	24.4		122.4		0.5	
		5/25/2018	24.4		122.4		0.5	

Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
II	MP 2-2 [6]	7/21/2017	14.5	136.85	122.4	121.5	0.9	
		7/28/2017	14.1	top HDPE	122.8		1.3	
		8/4/2017	13.7		123.2		1.7	
		8/11/2017	12.8	See Note 7	124.1		2.6	
		8/18/2017	13.6		123.3		1.8	
		8/25/2017	13.7		123.2		1.7	
		9/1/2017	13.4		123.5		2.0	
		9/8/2017	13.1		123.8		2.3	
		9/15/2017	12.8		124.1		2.6	
		9/22/2017	12.8		124.1		2.6	
		9/29/2017	12.7		124.2		2.7	
		10/6/2017	13.1		123.8		2.3	
		10/13/2017	13.1		123.8		2.3	
		10/20/2017	15.2		121.7		0.2	
		10/27/2017	14.7		122.2		0.7	
		11/3/2017	14.5		122.4		0.9	
		11/10/2017	13.8		123.1		1.6	
		11/17/2017	13.8		123.1		1.6	
		11/24/2017	13.9		123.0		1.5	
		12/1/2017	15.2		121.7		0.2	
		12/8/2017	14.2		122.7	See Note 13	1.2	
		12/15/2017	15.0		121.9		0.4	
		12/22/2017	15.2		121.7		0.2	
		12/29/2017	14.3		122.6		1.1	
		1/5/2018	14.0		122.9		1.4	
		1/12/2018	13.8		123.1		1.6	
		1/19/2018	14.0		122.9		1.4	
		1/26/2018	13.9		123.0		1.5	
		2/2/2018	13.9		123.0		1.5	
		2/9/2018	13.9		123.0		1.5	
		2/16/2018	13.9		123.0		1.5	
		2/23/2018	13.9		123.0		1.5	
		3/2/2018	13.9		123.0		1.5	
		3/9/2018	13.9		123.0		1.5	
		3/16/2018	13.9		123.0		1.5	
		3/23/2018	14.0		122.9		1.4	
		3/30/2018	13.9		123.0		1.5	
		4/6/2018	13.9		123.0		1.5	
		4/13/2018	13.9		123.0		1.5	
		4/20/2018	14.0		122.9		1.4	
		4/27/2018	14.0		122.9		1.4	
		5/4/2018	14.0		122.9		1.4	
		5/11/2018	14.0		122.9		1.4	
		5/18/2018	14.0		122.9		1.4	
		5/25/2018	14.0		122.9		1.4	

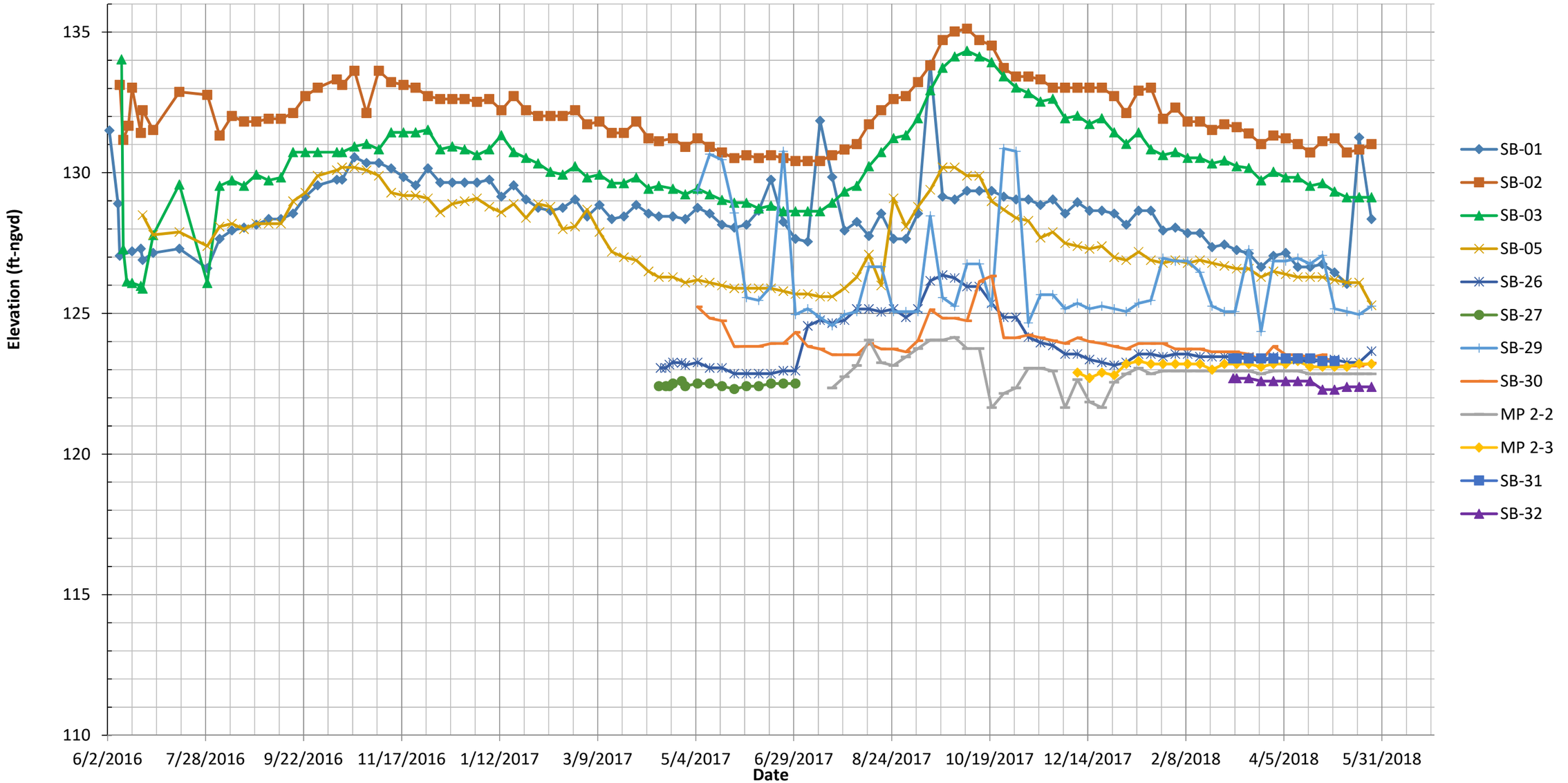
Appendix B - Water Level Data
Liquid Assessment Monitoring
Southeast County Landfill

Phase	Soil Boring #	Date[1]	Depth to water (ft tpvc)	Elevation Top PVC (NGVD)	Water Elevation (NGVD)	Top of Clay Elev (NGVD)	Liquid Depth Over Clay (ft)	Depth Change Previous Year (ft)
		7/21/2017	15.0	141.05	DRY	122.4	DRY	
		7/28/2017	15.0	top HDPE	DRY	See Note 8	DRY	
		8/4/2017	15.0		DRY		DRY	
		8/11/2017	15.0		DRY		DRY	
		8/18/2017	15.0		DRY		DRY	
		8/25/2017	15.0		DRY		DRY	
		9/1/2017	15.0		DRY		DRY	
		9/8/2017	15.0		DRY		DRY	
		9/15/2017	15.0		DRY		DRY	
		9/22/2017	15.0		DRY		DRY	
		9/29/2017	15.0		DRY		DRY	
		10/6/2017	15.0		DRY		DRY	
		10/13/2017	15.0		DRY		DRY	
		10/20/2017	15.0		DRY		DRY	
		10/27/2017	15.0		DRY		DRY	
		11/3/2017	15.0		DRY		DRY	
		11/10/2017	15.0		DRY		DRY	
		11/17/2017	15.0		DRY		DRY	
		11/24/2017	15.0		DRY		DRY	
		12/1/2017	-		DRY	See Note 12	DRY	
		12/8/2017	19.4	142.3	122.9		0.5	
		12/15/2017	19.6		122.7		0.3	
		12/22/2017	19.4		122.9		0.5	
		12/29/2017	19.5		122.8		0.4	
		1/5/2018	19.1		123.2		0.8	
II	MP 2-3 [6]	1/12/2018	19.0		123.3		0.9	
		1/19/2018	19.1		123.2		0.8	
		1/26/2018	19.1		123.2		0.8	
		2/2/2018	19.1		123.2		0.8	
		2/9/2018	19.1		123.2		0.8	
		2/16/2018	19.1		123.2		0.8	
		2/23/2018	19.3		123.0		0.6	
		3/2/2018	19.1		123.2		0.8	
		3/9/2018	19.1		123.2		0.8	
		3/16/2018	19.1		123.2		0.8	
		3/23/2018	19.2		123.1		0.7	
		3/30/2018	19.1		123.2		0.8	
		4/6/2018	19.1		123.2		0.8	
		4/13/2018	19.0		123.3		0.9	
		4/20/2018	19.2		123.1		0.7	
		4/27/2018	19.2		123.1		0.7	
		5/4/2018	19.2		123.1		0.7	
		5/11/2018	19.2		123.1		0.7	
		5/18/2018	19.1		123.2		0.8	
		5/25/2018	19.1		123.2		0.8	

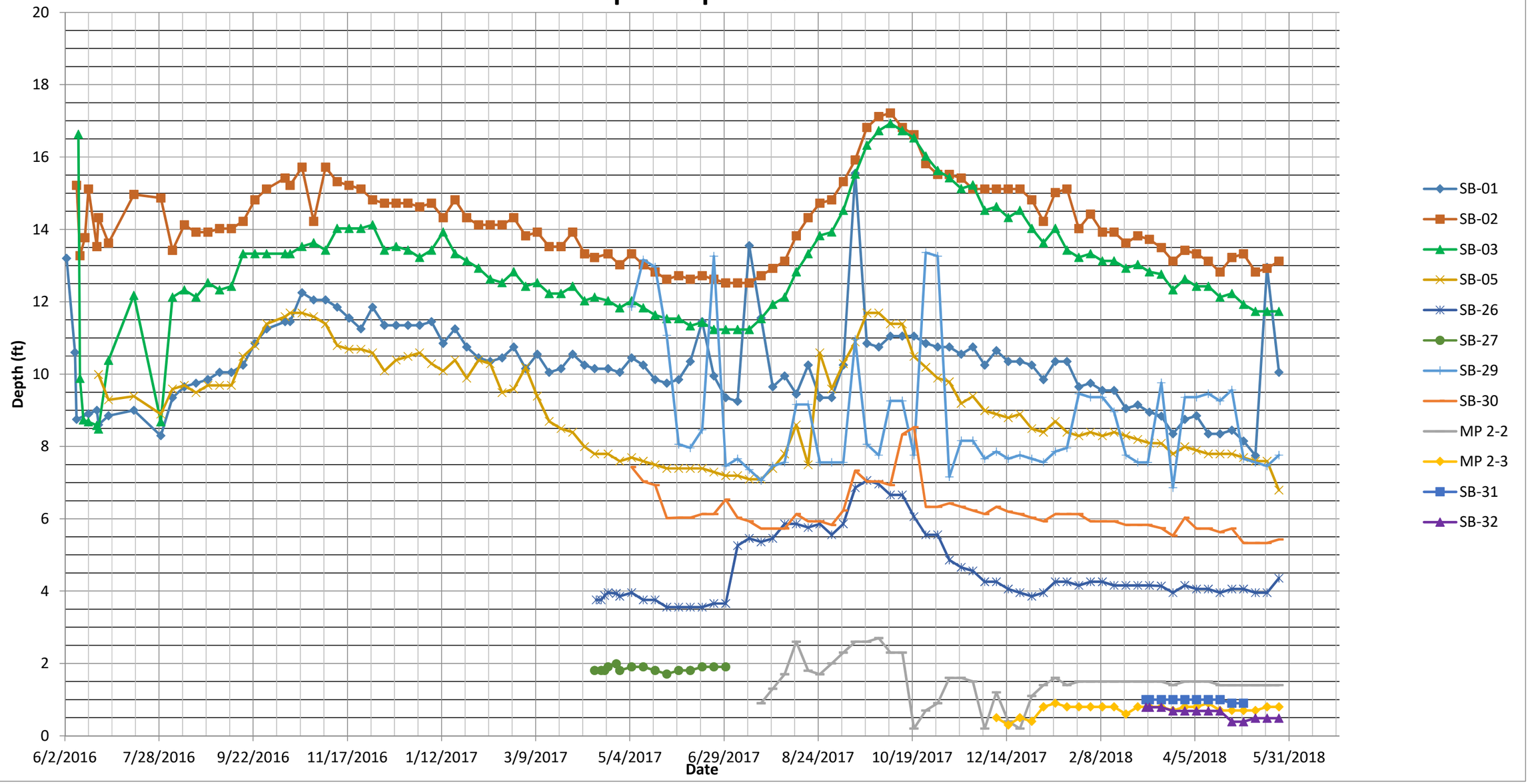
Notes:

1. Water levels collected in SB-15 through SB-23D on 2/16/17 are prior to development.
2. Approximate elevations based on raw survey data.
3. Extended riser at SB-25D due to waste filling operations.
4. Lowered riser at SB-25D in order to conduct pump test.
5. Removed SB-27 during construction of cut-off trench the week of 7-10-2017. Replaced with MP-1 and MP-2
6. Monitoring Points MP 2-2 and MP 2-3 are vertical HDPE risers installed in cutoff trench.
7. Installed pump at CO 2-2 on 8/11/2017. MP 2-2 may be affected by pumping.
8. Clay elevation at MP 2-3 is estimated based on bottom of trench survey points north and south of riser.
9. SB-25D appeared to be blocked on 9/1/2017. Investigations were conducted with an excavation that determined the piezometer is broken at 14' B.G.
10. Actively filling in the Phase IV area. SWMD extended risers at SB-23D and SB-23S.
11. Actively filling in the Phase IV and VI area. SWMD extended riser at SB-21D.
12. Construction activity at CO 2-1 on 12/1 adjusting depth of MP 2-3.
13. Pump at CO 2-2 turned off to evaluate effects of construction activity at cut-off trench.
14. SB-31 and SB-32 installed temporarily to monitor liquid level prior to excavation to determine accuracy of piezometers. Top of casing based on ground survey and measurement of stickup.
15. SB-23S was damaged after 2/2/2018 and staff has not been able to conduct liquid level measurements.
16. Slug tests on Series-2 piezometers. Levels may be artificially high. Water added on 3/28/18.
17. Extended riser at SB-22D due to waste filling operations. Added 10' on 4/22/18 and 8' on 5/11/2018.
18. SB-22D destroyed during waste filling operations in Phase VI.
19. SWMD excavated trench near SB-32 from 4/24/2018 - 4/30/2018 in order to locate Phase III header pipe and installl cleanout riser.
20. SWMD excavated trench near SB-31 from 5/7/2018 - 5/15/2018 in order to locate Phase II header pipe and installl cleanout riser. SB-31 removed on 5/11/2018.
21. Damage to SB-28D riser. Removed broken piece ~ 1.59'.

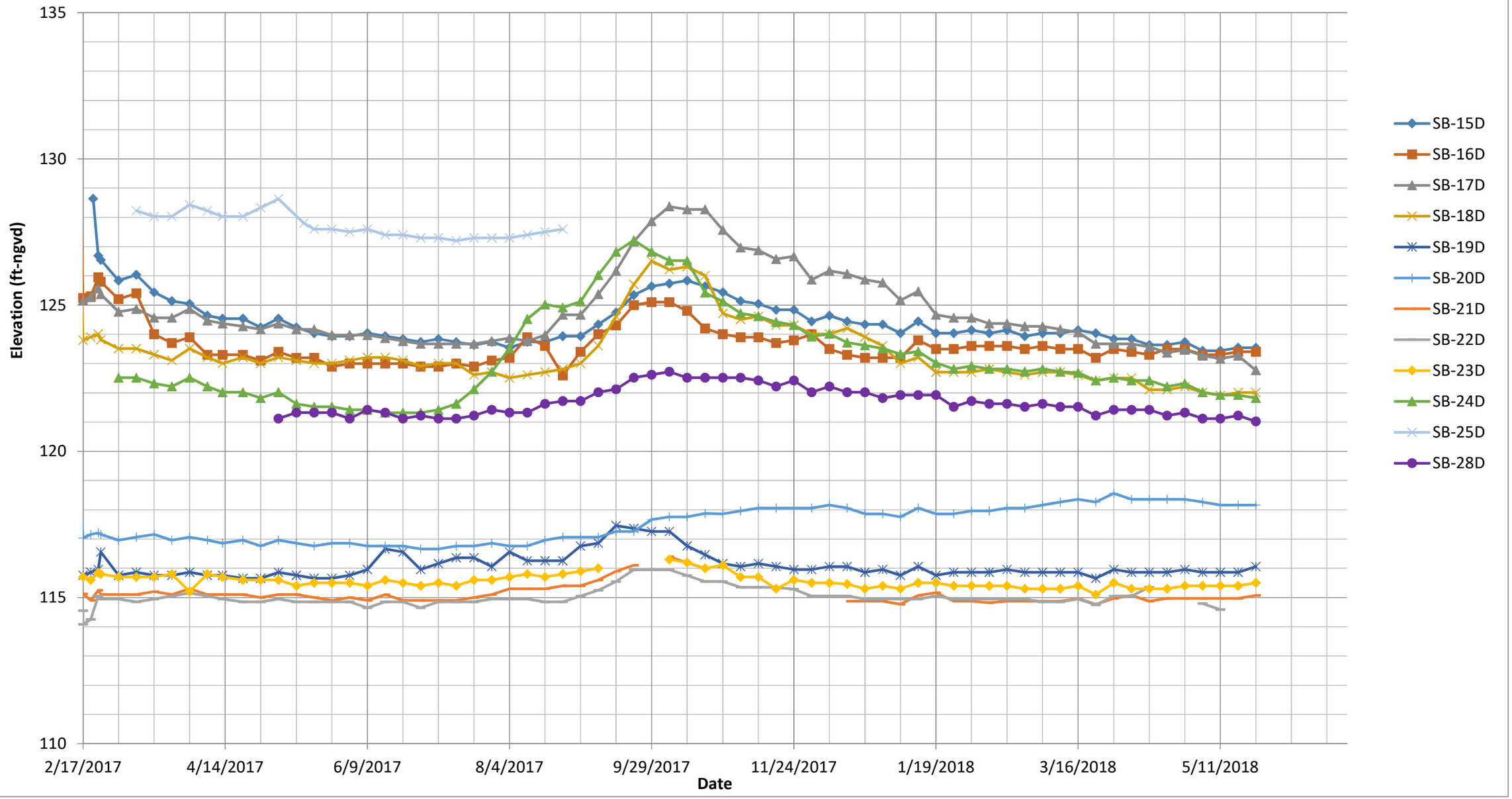
Appendix B
Liquid Elevation - Series 1



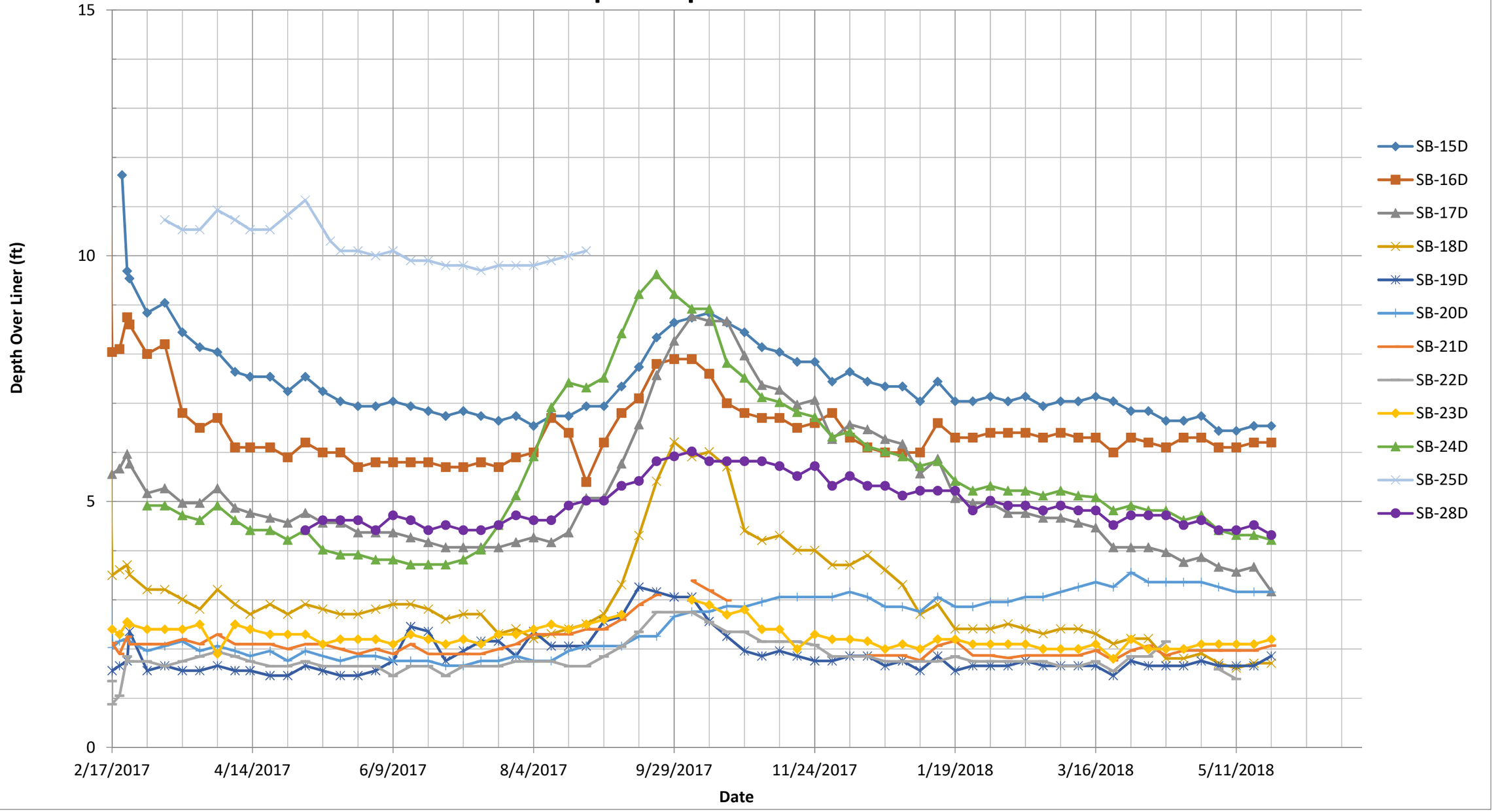
Appendix B
Liquid Depth - Series 1



Appendix B
Liquid Elevation - Series 2



Appendix B
Liquid Depth - Series 2



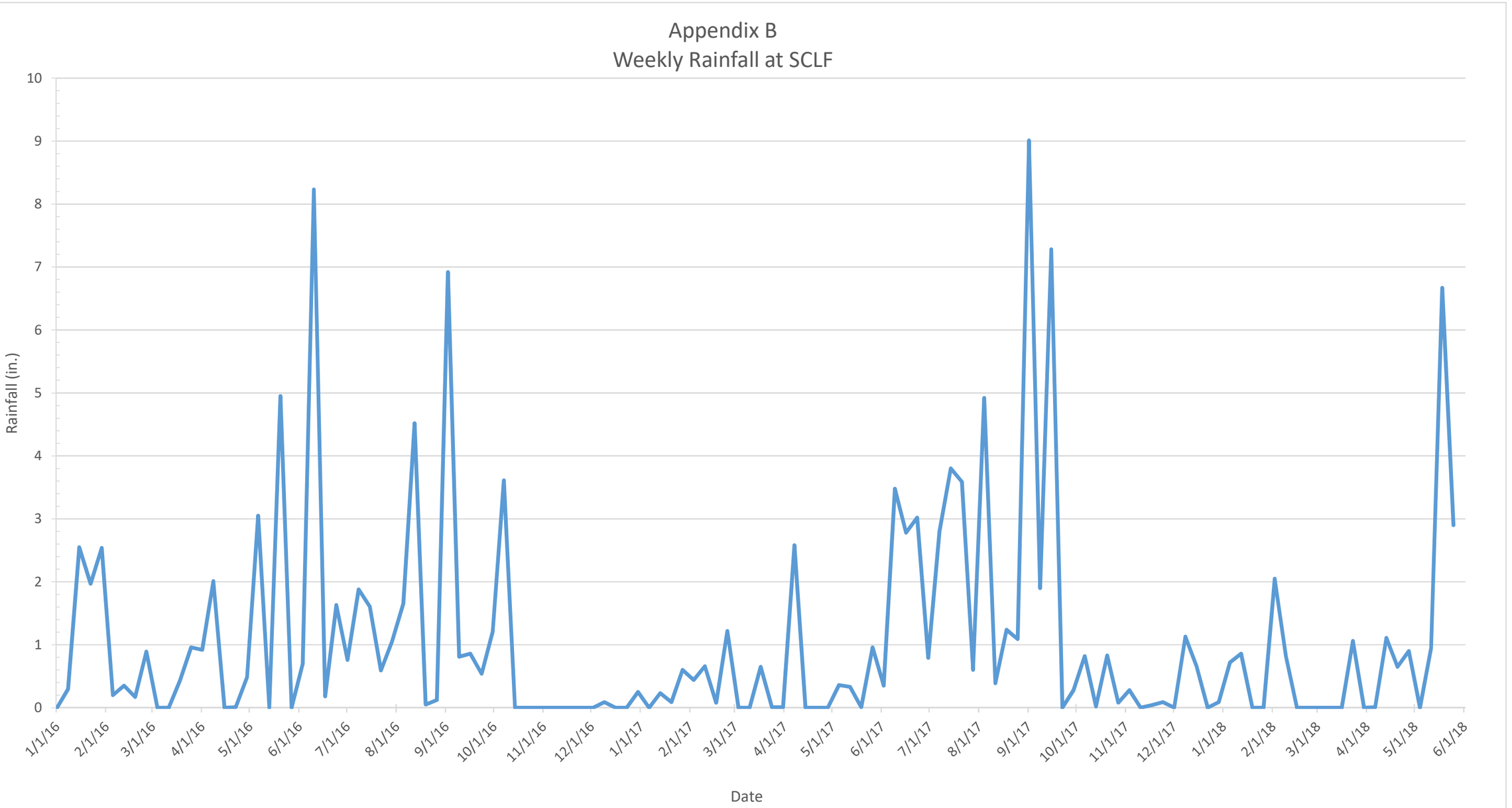
Appendix B - Rainfall Data
Liquid Assessment Monitoring
Southeast County Landfill

Week Ending	Rainfall (in.)	Remarks
1/1/16	0	
1/8/16	0.3	
1/15/16	2.55	
1/22/16	1.97	
1/29/16	2.54	
2/5/16	0.2	
2/12/16	0.35	
2/19/16	0.17	
2/26/16	0.89	
3/4/16	0	
3/11/16	0	
3/18/16	0.43	
3/25/16	0.96	
4/1/16	0.92	
4/8/16	2.01	
4/15/16	0	
4/22/16	0.01	
4/29/16	0.48	
5/6/16	3.05	
5/13/16	0	
5/20/16	4.95	
5/27/16	0	
6/3/16	0.69	
6/10/16	8.23	
6/17/16	0.18	
6/24/16	1.63	
7/1/16	0.76	
7/8/16	1.88	
7/15/16	1.61	
7/22/16	0.59	
7/29/16	1.05	
8/5/16	1.66	
8/12/16	4.52	
8/19/16	0.05	
8/26/16	0.12	
9/2/16	6.92	
9/9/16	0.81	
9/16/16	0.86	
9/23/16	0.54	
9/30/16	1.21	
10/7/16	3.61	
10/14/16	0	
10/21/16	0	
10/28/16	0	
11/4/16	0	
11/11/16	0	
11/18/16	0	
11/25/16	0	
12/2/16	0	
12/9/16	0.09	
12/16/16	0	
12/23/16	0	
12/30/16	0.25	
1/6/17	0	
1/13/17	0.23	
1/20/17	0.09	
1/27/17	0.6	
2/3/17	0.44	
2/10/17	0.66	
2/17/17	0.08	
2/24/17	1.22	
3/3/17	0	
3/10/17	0	
3/17/17	0.65	
3/24/17	0.01	
3/31/17	0.01	

Appendix B - Rainfall Data
Liquid Assessment Monitoring
Southeast County Landfill

Week Ending	Rainfall (in.)	Remarks
4/7/17	2.58	
4/14/17	0	
4/21/17	0	
4/28/17	0	
5/5/17	0.36	
5/12/17	0.33	
5/19/17	0.01	
5/26/17	0.96	
6/2/17	0.35	
6/9/17	3.48	
6/16/17	2.78	
6/23/17	3.02	
6/30/17	0.79	
7/7/17	2.8	
7/14/17	3.8	
7/21/17	3.59	
7/28/17	0.6	
8/4/17	4.92	
8/11/17	0.39	
8/18/17	1.24	
8/25/17	1.09	
9/1/17	9.01	
9/8/17	1.9	
9/15/17	7.28	
9/22/17	0	
9/29/17	0.28	
10/6/17	0.82	
10/13/17	0.02	
10/20/17	0.83	
10/27/17	0.08	
11/3/17	0.28	
11/10/17	0	
11/17/17	0.04	
11/24/17	0.09	
12/1/17	0	
12/8/17	1.13	
12/15/17	0.66	
12/22/17	0	
12/29/17	0.09	
1/5/18	0.72	
1/12/18	0.86	
1/19/18	0	
1/26/18	0	
2/2/18	2.05	
2/9/18	0.82	
2/16/18	0	
2/23/18	0	
3/2/18	0	
3/9/18	0	
3/16/18	0	
3/23/18	1.06	
3/30/18	0	
4/6/18	0.01	
4/13/18	1.11	
4/20/18	0.65	
4/27/18	0.9	
5/4/18	0	
5/11/18	0.95	
5/18/18	6.67	
5/25/18	2.9	

Appendix B


Weekly Rainfall at SCLF
Rainfall (in.)
0
1
2
3
4
5
6
7
8
9
10
1/1/16
2/1/16
3/1/16
4/1/16
5/1/16
6/1/16
7/1/16
8/1/16
9/1/16
10/1/16
11/1/16
12/1/16
1/1/17
2/1/17
3/1/17
4/1/17
5/1/17
6/1/17
7/1/17
8/1/17
9/1/17
10/1/17
11/1/17
12/1/17
1/1/18
2/1/18
3/1/18
4/1/18
5/1/18
6/1/18
Date

Appendix C

May 2018 Water Balance

Hillsborough County Florida

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

BOARD OF COUNTY COMMISSIONERS
Victor D. Crist
Ken Hagan
Al Higginbotham
Pat Kemp
Lesley "Les" Miller, Jr.
Sandra L. Murman
Stacy R. White
COUNTY ADMINISTRATOR
Michael S. Merrill
COUNTY ATTORNEY
Chip Fletcher
INTERNAL AUDITOR
Peggy Caskey

CHIEF DEV. & INFRA. SERVICES ADMINISTRATOR
Lucia E. Garsys

MEMORANDUM

DATE: June 12, 2018

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 May 2018
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 2018 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 13.66 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 2.8 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 leachate stored in Pond B was 1.1.

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 15.7 inches.

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

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. This column also includes the Phase II data from the dewatering wells and PS-2. The average daily amount of leachate pumped from PS-A was 71,396 gallons. A total of 2,213,290 gallons of leachate was pumped this month.

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

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 1,087 gallons of leachate was removed from the leak detection system of Sections 7-8.

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

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 242,640 gallons was removed.

Leachate Pumped to LTRF from the MLPS (Column IX)

Column XI presents the total quantity of leachate pumped to the LTRF from Phases I-VI (including condensate removed from LFG Wells and Condensate Traps), and Sections 7-8. This month a total of 2,455,930 gallons of leachate was pumped to the LTRF.

Leachate Pumped to LTRF from Section 9 (Column X)

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 154,132 gallons of leachate was pumped this month.

Leachate Pumped from Section 9 LDS (Column XI)

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 4,651 gallons per day. This month 14 gallons of leachate was removed from the leak detection system.

Leachate Pumped from Compost Area Sump (Column XII)

Column XIV presents the total quantity of leachate pumped to the LTRF and Pond B from the Compost Project Area Sump. This month 398,577 gallons of leachate was removed from the compost area and pumped to the LTRF.

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

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 322,300 gallons of leachate was stored in the tank.

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

Column XVI typically 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 376,200 gallons of effluent was stored in the tank.

Leachate Treated at LTRF (Column XV)

Column XIIV presents the daily amount of leachate, in gallons, treated at the LTRF. This month a total of 316,811 gallons of leachate was treated at the plant.

Total Leachate Hauled (Column XVI)

Column XVIII presents the daily amount of leachate, in gallons, hauled off site. This month a total of 3,496,465 gallons of leachate was hauled off site.

Leachate Dust Control Sprayed (Column XVII)

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 XVIII)

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 100,300 gallons of effluent was stored in Pond A.

Pond B Storage (Column XIX)

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 liquid in Pond B (Column IV). Under normal operating conditions, the amount stored in the pond will vary depending upon the daily amount of leachate/effluent removed from the pond by the evaporation system, hauled from the pond, used for dust control or evaporated; however during May leachate from the compost pad and ash storage area was stored in Pond B. This month a daily average of 58,800 gallons of leachate was stored in Pond B.

Effluent Sprayed at Pond B (Column XX)

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 effluent was not sprayed in Pond B.

Effluent Irrigation (Column XXI)

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 I-VI is measured from the flow meter at the irrigation pump station. This month a total of 149,558 gallons of effluent was used for spray irrigation.

Effluent Dust Control Sprayed (Column XXII)

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 XXIII)

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 a total of 165,637 gallons of effluent was hauled off site.

Total Evaporation (Column XXIV)

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 119,700 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 3,016,040 gallons. Total outflow quantity from the LTRF was 3,813,276 gallons. The change in storage for the month decreased by 797,236 gallons.

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

TABLE 1. LEACHATE WATER BALANCE REPORT FORM
MAY 2018
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
Day	Rainfall (in.)	Depth in Pond A (ft.)	Depth in Pond B (ft.)	Estimated Depth at PS-B (in.)	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 (gal.)	Effluent in 575K Tank (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	2.8	0.0	14.5	20,880	0	0	20,880	0	0	0	317,000	360,000	13,102	43,920	0	98,000	0	0	0	0	0	0
2	0.00	2.8	0.0	18.0	65,791	49	5,073	70,864	0	0	0	319,000	369,000	13,102	86,542	0	98,000	0	0	22,635	0	0	18,100
3	0.00	2.4	0.0	16.1	65,139	29	2,622	67,761	392	0	0	274,000	374,000	14,433	78,865	0	79,000	0	0	0	0	0	0
4	0.00	2.8	0.0	15.7	66,255	42	2,787	69,042	1,023	0	0	245,000	365,000	14,198	49,578	0	98,000	0	0	3,484	0	0	2,800
5	0.10	2.8	0.0	16.0	71,640	26	2,677	74,317	2,242	0	0	250,000	374,000	15,150	42,363	0	98,000	0	0	38,232	0	0	30,600
6	0.85	2.8	0.0	17.3	69,665	25	3,894	73,558	5,436	0	0	287,000	374,000	15,150	0	0	98,000	0	0	0	0	0	0
7	0.00	2.7	0.0	18.5	69,064	25	3,894	72,958	5,436	0	0	324,000	374,000	15,150	80,319	0	93,000	0	0	0	0	0	0
8	0.00	2.7	0.0	19.3	65,896	41	2,728	68,624	5,052	0	0	300,000	381,000	15,150	73,580	0	93,000	0	0	14,787	0	0	11,800
9	0.00	2.5	0.0	19.7	63,566	47	5,190	68,756	404	0	0	283,000	391,000	11,294	81,558	0	83,000	0	0	0	0	0	0
10	0.00	3.2	0.0	14.2	62,800	16	2,846	65,646	1,494	0	0	245,000	362,000	12,863	88,505	0	118,000	0	0	0	0	0	0
11	0.00	3.2	0.0	19.9	42,696	24	2,913	45,609	2,451	0	0	216,000	374,000	12,089	44,958	0	118,000	0	0	0	0	29,347	0
12	0.00	3.2	0.0	14.0	73,647	18	3,162	76,809	2,278	0	0	204,000	353,000	13,766	42,979	0	118,000	0	0	0	0	0	0
13	0.78	3.3	0.0	16.3	74,361	46	4,722	79,083	2,306	0	0	235,000	367,000	13,766	0	0	123,000	0	0	0	0	0	0
14	3.63	3.3	0.0	18.5	59,690	46	4,722	64,412	2,306	0	0	266,000	381,000	13,766	59,508	0	123,000	0	0	0	0	30,219	0
15	1.28	3.1	3.6	14.9	59,078	26	6,495	65,573	2,504	0	79,028	336,000	369,000	11,038	89,265	0	113,000	234,000	0	0	0	0	0
16	0.22	3.4	3.6	13.9	76,810	36	7,722	84,532	3,573	0	90,613	386,000	386,000	11,646	96,940	0	129,000	234,000	0	0	0	0	0
17	0.28	3.4	3.5	16.1	84,321	54	10,920	95,241	4,968	0	46,177	468,000	398,000	12,654	96,584	0	129,000	223,000	0	0	0	0	0
18	0.48	3.4	3.2	14.1	78,963	16	3,097	82,060	4,005	0	9,008	453,000	410,000	3,308	148,020	0	129,000	192,000	0	0	0	0	0
19	0.60	3.4	2.5	13.6	72,185	22	3,745	75,930	4,486	0	26,174	456,000	422,000	9,484	168,377	0	129,000	124,000	0	32,190	0	0	25,800
20	1.27	3.2	2.5	15.9	74,968	23	14,405	89,373	8,747	4	1,287	456,000	435,000	9,485	87,285	0	118,000	115,000	0	0	0	0	0
21	0.38	3.0	2.4	18.2	70,117	23	14,405	84,522	8,747	4	1,287	456,000	449,000	9,485	133,607	0	108,000	115,000	0	0	0	29,327	0
22	0.42	3.0	3.3	19.7	87,075	17	4,513	91,588	13,139	6	78,640	475,000	410,000	9,485	128,933	0	108,000	202,000	0	0	0	76,744	0
23	0.00	3.2	3.0	12.7	81,987	51	1,840	83,827	11,765	0	15,263	475,000	353,000	13,977	234,132	0	118,000	172,000	0	0	0	0	0
24	0.00	3.1	2.3	11.8	77,763	44	6,483	84,246	9,630	0	557	362,000	394,000	3,063	240,419	0	113,000	106,000	0	0	0	0	0
25	0.23	3.1	1.6	13.0	79,734	24	39,910	119,644	6,293	1	20,750	389,000	345,000	6,438	205,965	0	113,000	51,000	0	16,401	0	0	13,100
26	0.72	2.8	0.9	10.6	80,179	64	17,664	97,843	6,304	0	0	319,000	322,000	5,069	253,557	0	98,000	15,000	0	21,829	0	0	17,500
27	0.42	2.6	0.9	13.2	86,688	56	13,577	100,264	8,020	0	0	284,000	326,000	5,069	163,617	0	88,000	12,000	0	0	0	0	0
28	0.00	2.3	0.8	15.8	86,454	56	13,577	100,031	8,020	0	0	250,000	331,000	5,069	0	0	74,000	12,000	0	0	0	0	0
29	0.62	1.6	0.7	14.5	81,317	52	13,043	94,360	7,170	0	5	300,000	341,000	5,072	189,121	0	44,000	9,000	0	0	0	0	0
30	1.08	1.7	0.2	15.2	79,056	30	13,322	92,378	7,695	0	162	151,000	427,000	1,745	240,155	0	48,000	800	0	0	0	0	0
31	0.30	0.7	0.6	15.7	85,507	62	10,695	96,202	8,248	0	29,627	211,000	345,000	1,745	247,813	0	13,000	7,000	0	0	0	0	0
Total	13.66				2,213,290	1,087	242,640	2,455,930	154,132	14	398,577			316,811	3,496,465	0			0	149,558	0	165,637	119,700
Daily Average		2.8	1.1	15.7	71,396	35	7,827	79,224	4,972	0	12,857	322,300	376,200				100,300	58,800					
Mo. Average																0				4,800	0	5,300	3,860

balance\2018\05-18bal.xls

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
MAY 2018
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
Day	Rainfall (in.)	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 Hauled		Leachate Dust Control (Sprayed) (gal.)	Effluent Hauled		Effluent Dust Control (Sprayed) (gal)
																	Contractor (gal.)	County (gal.)		Contractor (gal.)	County (gal.)	
1	0.00	8,465,408	14.5	438,920	338,972	5,846,345	90,157	5,929,360	59,933	0.0	0.0	2.8	0	11.00	12.50	13,102		43,920				
2	0.00	8,510,244	18.0	438,920	338,972	5,846,345	90,157	5,934,433	59,982	0.0	0.0	2.8	22,635	11.08	12.83	13,102		86,542				
3	0.00	8,555,110	16.1	439,312	338,972	5,846,345	90,157	5,937,055	60,011	0.0	0.0	2.4	0	9.50	13.00	14,433		78,865				
4	0.00	8,600,368	15.7	440,334	338,973	5,846,345	90,157	5,939,842	60,053	0.0	0.0	2.8	3,484	8.50	12.67	14,198		49,578				
5	0.10	8,651,294	16.0	442,574	338,975	5,846,345	90,157	5,942,519	60,079	0.0	0.0	2.8	38,232	8.67	13.00	15,150		42,363				
6	0.85	*8,700,245*	*17.3*	*448,008*	*338,977*	*5,846,345*	*90,157*	*5,946,413*	*60,104*	*0.0*	*0.0*	*2.8*	0	*9.96*	*13.00*	15,150						
7	0.00	8,749,196	18.5	453,442	338,979	5,846,345	90,157	5,950,306	60,128	0.0	0.0	2.7	0	11.25	13.00	15,150	37,703	42,616				
8	0.00	8,794,902	19.3	458,492	338,981	5,846,345	90,157	5,953,034	60,169	0.0	0.0	2.7	14,787	10.42	13.25	15,150	30,169	43,411				
9	0.00	8,839,008	19.7	458,805	339,072	5,846,345	90,157	5,958,224	60,216	0.0	0.0	2.5	0	9.83	13.58	11,294	37,675	43,883				
10	0.00	8,882,018	14.2	459,249	340,122	5,846,344	90,157	5,961,070	60,232	0.0	0	3.2	0	8.50	12.58	12,863	37,646	50,859				
11	0.00	8,924,714	19.9	459,706	342,116	5,846,344	90,157	5,963,983	60,256	0.0	0.0	3.2	0	7.50	13.00	12,089	37,646	7,312			29,347	
12	0.00	8,969,156	14.0	460,054	344,046	5,846,344	90,157	5,967,145	60,274	0.0	0.0	3.2	0	7.08	12.25	13,766		42,979				
13	0.78	*9,014,312*	*16.3*	*460,481*	*345,925*	*5,846,344*	*90,157*	*5,971,867*	*60,320*	*0.0*	*0.0*	*3.3*	0	*8.17*	*12.75*	13,766						
14	3.63	9,059,468	18.5	460,907	347,804	5,846,343	90,157	5,976,588	60,365	0.0	0.0	3.3	0	9.25	13.25	13,766	45,174	14,334			30,219	
15	1.28	9,116,720	14.9	461,315	349,900	5,846,342	169,185	5,983,083	60,391	3.6	0.0	3.1	0	11.67	12.83	11,038	45,265	44,000				
16	0.22	9,177,750	13.9	461,656	353,132	5,846,341	259,798	5,990,805	60,427	3.6	0.0	3.4	0	13.42	13.42	11,646	45,316	51,624				
17	0.28	9,238,604	16.1	462,258	357,498	5,846,337	305,975	6,001,725	60,481	3.5	0.0	3.4	0	16.25	13.83	12,654	59,716	36,868				
18	0.48	9,293,894	14.1	462,615	361,146	5,846,334	314,983	6,004,822	60,497	3.2	0.0	3.4	0	15.75	14.25	3,308	82,793	65,227				
19	0.60	9,343,088	13.6	463,074	365,173	5,846,334	341,157	6,008,567	60,519	2.5	0.0	3.4	32,190	15.83	14.67	9,484	82,990	85,387				
20	1.27	*9,395,065*	*15.9*	*463,462*	*373,532*	*5,846,338*	*342,444*	*6,022,972*	*60,542*	*2.5*	*0.0*	*3.2*	0	*15.83*	*15.13*	9,485	44,064	43,221				
21	0.38	9,447,042	18.2	463,850	381,891	5,846,341	343,730	6,037,377	60,564	2.4	0.0	3.0	0	15.83	15.58	9,485	133,607	0			29,327	
22	0.42	9,508,570	19.7	464,093	394,787	5,846,347	422,370	6,041,890	60,581	3.3	0.0	3.0	0	16.50	14.25	9,485	121,575	7,358		40,235	36,509	
23	0.00	9,567,586	12.7	464,532	406,113	5,846,327	437,633	6,043,730	60,632	3.0	0.0	3.2	0	16.50	12.25	13,977	162,160	71,972				
24	0.00	9,622,800	11.8	465,431	414,844	5,846,305	438,190	6,050,213	60,676	2.3	0.0	3.1	0	12.58	13.67	3,063	161,048	79,371				
25	0.23	9,679,668	13.0	465,541	421,027	5,846,306	458,940	6,090,123	60,700	1.6	0.0	3.1	16,401	13.50	12.00	6,438	170,416	35,549				
26	0.72	9,736,452	10.6	465,686	427,186	5,846,306	458,940	6,107,787	60,764	0.9	0.0	2.8	21,829	11.08	11.17	5,069	210,899	42,658				
27	0.42	*9,799,745*	*13.2*	*466,350*	*434,542*	*5,846,306*	*458,940*	*6,121,364*	*60,820*	*0.9*	*0.0*	*2.6*	0	*9.88*	*11.34*	5,069	121,123	42,494				
28	0.00	9,863,038	15.8	467,014	441,897	5,846,306	458,940	6,134,940	60,876	0.8	0.0	2.3	0	8.67	11.50	5,069						
29	0.62	9,922,600	14.5	467,084	448,997	5,846,306	458,945	6,147,983	60,928	0.7	0.0	1.6	0	10.42	11.83	5,072	116,670	72,451				
30	1.08	9,979,914	15.2	468,115	455,661	5,846,306	459,107	6,161,305	60,958	0.2	0.0	1.7	0	5.25	14.83	1,745	167,786	72,369				
31	0.30	10,043,665	15.7	471,099	460,925	5,846,305	488,734	6,172,000	61,020	0.6	0.0	0.7	0	7.33	12.00	1,745	168,700	79,113				
Totals	13.66										0		149,558			316,811	2,120,141	1,376,324	0	40,235	125,402	0

balance\2018\05-18bal.xls

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.

Type of Cover	Phases I-VI acres	Section 9 acres
Open	5	0
Intermediate	134.4	15
Final	23	0
Not Opened	0	0

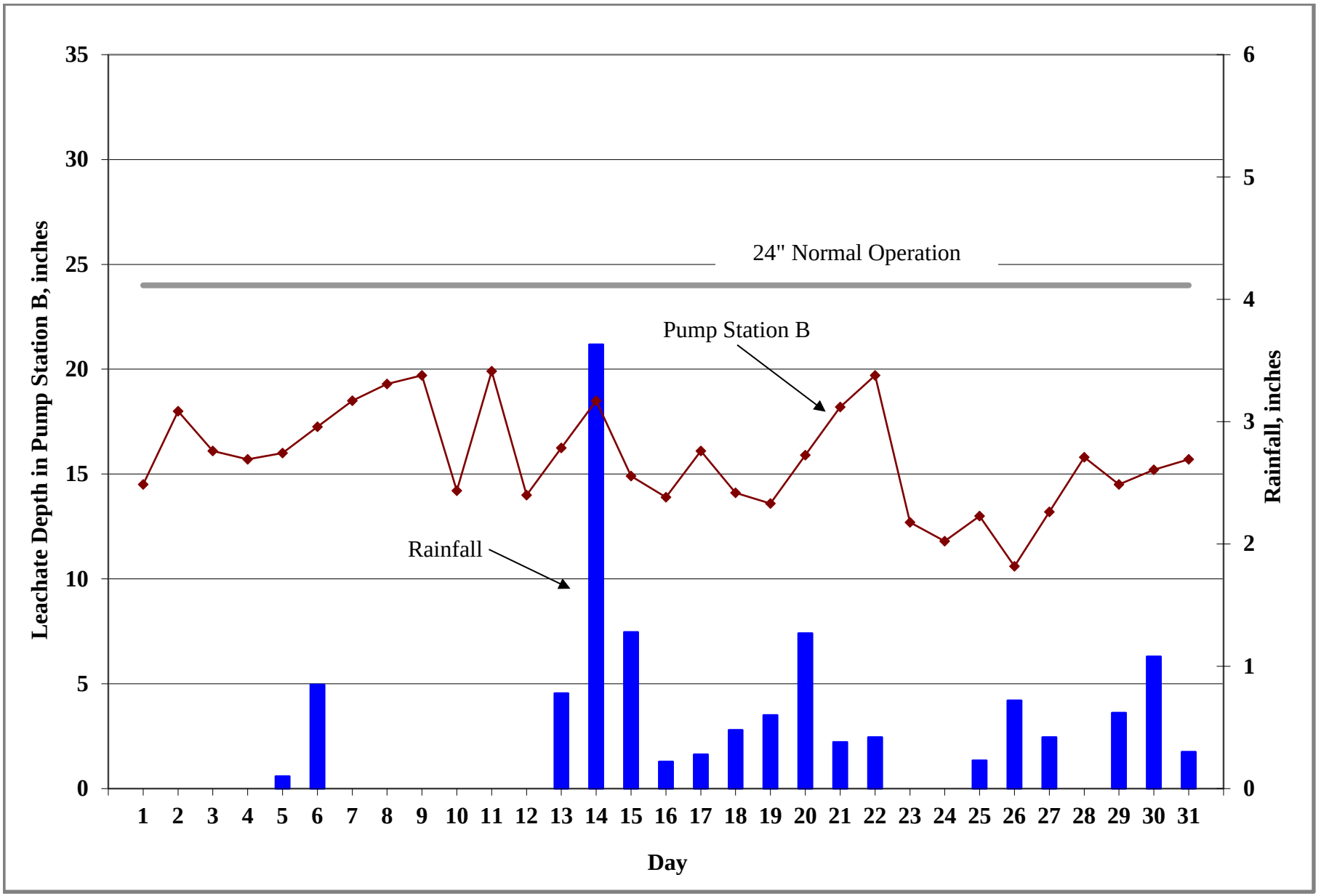


Figure 1. Leachate Levels in Pump Station B and Rainfall for May 2018.