### PUBLIC WORKS DEPARTMENT SOLID WASTE DIVISION



October 31, 2012

Mr. Neil Hornick, P.G. Florida Department of Environmental Protection Northeast District, Solid Waste Division 7777 Baymeadows Way West, Suite 100 Jacksonville, Florida 32256

**Reference:** Site Assessment Report

Sandler Road Landfill (Closed)

10500 Sandler Road

Jacksonville, Duval County, Florida

FDEP Facility ID Number: NED/16/32164

Permit Number: 0067214-005-SO

Dear Mr. Hornick:

The City of Jacksonville has completed the attached Site Assessment Report for the closed Sandler Road Landfill facility located at 10500 Sandler Road, in Jacksonville, Duval County, Florida. This report has been prepared as required by the Florida Department of Environmental Protection's letter dated November 29, 2011. The results of this investigation have indicated that the benzene impacts in the shallow and intermediate groundwater zones have been delineated and that the concentrations of benzene have been stable or shrinking over the past year. The concentrations of benzene detected are only slightly over its GCTL and no active remediation appears warranted. In accordance with FDEP Permit #0067214-005-SO, routine semi-annual monitoring of the site's groundwater and surface water is conducted. Based on the results of this investigation, the City of Jacksonville recommends that the benzene plume be addressed through natural attenuation monitoring through the addition of monitoring wells MW-16A, MW-17A, MW-18A, MW-19B and MW-20B to the routine semi-annual monitoring events.

If you have any questions, please contact the undersigned at (904) 255-7500.

Sincerely,

CITY OF JACKSONVILLE

PUBLIC WORKS DEPARTMENT, SOLID WASTE DIVISION

Eric B. Fuller

Landfill Environmental Scientist

Jeffrey S. Foster, P.G.

Acting Chief, Solid Waste Division



### SITE ASSESSMENT REPORT

### SANDLER ROAD LANDFILL 10500 SANDLER ROAD JACKSONVILLE, DUVAL COUNTY, FLORIDA FDEP ID NUMBER: NED/16/32164 PERMIT NUMBER: 0067214-005-SO

October 31, 2012



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### SITE ASSESSMENT REPORT SANDLER ROAD LANDFILL 10500 SANDLER ROAD JACKSONVILLE, DUVAL COUNTY, FLORIDA FDEP FACILITY ID NUMBER: NED/16/32164 PERMIT NUMBER: 0067214-005-SO

In accordance with the provisions of Florida Statutes, Chapter 492, this report for the Sandler Road Landfill facility located at 10500 Sandler Road, Jacksonville, Duval County, Florida has been prepared under the direct supervision of a Professional Geologist registered in the State of Florida. This report was prepared in accordance with generally accepted professional geological practices pursuant to Chapter 492 of the Florida Statutes.

Jeffrey S./Foster, P.G.

Date\*

Acting Chief, Solid Waste Division

City of Jacksonville

Licensed, Florida No. 0000616



### SITE ASSESSMENT REPORT SANDLER ROAD LANDFILL 10500 SANDLER ROAD JACKSONVILLE, DUVAL COUNTY, FLORIDA

### 1.0 INTRODUCTION

The City of Jacksonville has completed a Site Assessment Report (SAR) for the closed Sandler Road Landfill facility. This assessment was performed due to the detection of benzene in down gradient monitoring wells during routine semi-annual water quality monitoring at the site as required by the Florida Department of Environmental Protection (FDEP) Permit 0067214-005-SO. The completion of this SAR was based upon FDEP's November 29, 2011 review letter (Attachment A).

The closed Sandler Road Landfill is located off the north side of the 10500 block of Sandler Road, in Jacksonville, Duval County, Florida. The entrance to the facility is located at coordinates 30° 13′ 57.67" North and 81° 49′ 40.68" West. The site is located within Section 17, Township 3 South, and Range 25 East as shown on the USGS Jacksonville Heights, Florida 7.5 Minute Topographic Map. A Topographic Site Location Map is provided as Figure 1.

The closed landfill consists of approximately 30 acres of land. The former landfill borrow pit is located on the northern portion of the site and the remaining areas of the site represent the capped former disposal area. The adjoining properties consist of Sandler Road followed by residential property to the south; rural residential property to the east and west; wooded land followed by a golf course to the north and northwest; and wooded land and a horse ranch to the northeast.

### 2.0 SITE HISTORY

This site began operating in 1965 under the direction of the Duval County Board of County Commissioners. Permit documents indicate that the site was used exclusively for household trash disposal. The disposal of special, industrial, and hazardous wastes was specifically prohibited. In 1968, the "consolidated" City of Jacksonville assumed County operations and the landfill was temporarily closed. Records indicate that the site was reopened and scales were installed in late 1973 or early 1974. The site was again temporarily closed in May 1976, due to a shortage of equipment and personnel. Filling operations ceased on July 3, 1981. The site was later capped and a vegetative cover grown. Groundwater and surface water monitoring has been conducted at the site since 1990.

### 3.0 GENERAL SITE GEOLOGY

It is widely accepted and documented that there are three primary hydrogeologic groups in this area of Northeast Florida. The surficial aquifer, found from the surface to depths of 60 to 100 feet below land surface (bls); the confining Hawthorn group of sediments below the surficial aquifer to depths of approximately 500 feet bls; and the Floridian aquifer, which is the primary drinking water source, found below the Hawthorn group.



According to current field data, the upper 52 feet of the lithology of the site consists of varying shades of fine sand. Past reports indicate the presence of a clayey zone in some areas at depths of approximately 35 -45 feet bls. Below this are sand, sandy clay and clayey sand layers to the top of the shallow rock zone. This zone is identified as sand, shell, clay, and limestone at depths of approximately 65-75 feet bls.

### 4.0 EXISTING MONITORING NETWORK AND PERMIT CONDITIONS

Routine semi-annual water quality monitoring is conducted at the site as required by FDEP Permit 0067214-005-SO. Reports are due to FDEP by March 4 and September 4 of each year covered by the permit. The routine monitoring activities performed include taking groundwater level measurements to aid in determining groundwater flow direction and groundwater and surface water sample collection with laboratory analysis.

The wells currently sampled as part of the semi-annual reporting include the following:

Background Wells: BW-1A and BW-1B

Compliance Wells: MW-1A, MW-1B, MW-2A, MW-2B, MW-3A, MW-3B, MW-3C, MW-

4A, MW-4B, MW-4C, MW-5A, MW-5B, MW-6B, MW-7A, MW-7B,

MW-9A, MW-13A and MW-14B.

In the well designations, the suffix "A" indicates a shallow well, "B" indicates an intermediate depth well and 'C" indicates a deep well. The surface water sample is collected from the former borrow pit located on the northern portion of the landfill. A Site Plan showing the groundwater and surface water sampling locations is provided as Figure 2.

### 5.0 MONITORING WELL INSTALLATION

Due to the past detections of benzene above its GCTL in down gradient monitoring wells MW-7A, MW-13A, MW-3B and MW-14B, the City of Jacksonville installed additional monitoring wells in order to delineate the groundwater impacts. The locations of the newly installed wells were at the approximate locations proposed in the previous routine semi-annual monitoring reports.

Between July 31 and August 2, 2012, the City of Jacksonville, in conjunction with Aerostar Environmental Services and Groundwater Protection, installed shallow monitoring wells MW-16A, MW-17A and MW-18A on the northern portion of the eastern adjoining property and also installed double-cased, intermediate depth monitoring wells MW-19B and MW-20B on the central portion of the eastern adjoining property. The monitoring wells were installed utilizing a truck-mounted drill rig equipped with hollow stem augers. The shallow depth monitoring wells were completed down to a depth of approximately 12 feet below ground surface (bgs) and the intermediate depth wells were completed to a total depth of approximately 52 feet bgs. The monitoring wells consisted of ten feet of two-inch diameter, 0.01 inch factory slotted well screen threaded to two-inch diameter schedule 40 PVC riser. Surface completion of the monitoring



wells included a two foot by two foot concrete pad and approximately three feet of riser stick-up placed in a protective aluminum casing. The shallow water table was between three and four feet bgs at the time of the well installations. The soil boring logs and well construction and development logs for the monitoring well installations are included as Attachment B. The well driller's well completion reports and well permits are provided as Attachment C. A Site Plan showing the locations of the existing and newly installed monitoring wells located at the site is provided as Figure 2.

### 6.0 SITE SPECIFIC GROUNDWATER CHARACTERISTICS

### 6.1 Groundwater Flow Direction

On September 14, 2012, depth to water measurements were collected by City of Jacksonville Solid Waste Division personnel from monitoring wells BW-1A, BW-1B, MW-1A, MW-1B, MW-2A, MW-2B, MW-3A, BW-3B, MW-3C, MW-4A, MW-4B, MW-4C, MW-5A, MW-5B, MW-6A, MW-6B, MW-7A, MW-7B, MW-8A, MW-9A, MW-10A, MW-10B, MW-13A, MW-14B, MW-15B, MW-16A, MW-17A, MW-18A, MW-19B and MW-20B. Table 1 provides depth to water measurement data and the corresponding groundwater elevation data. Top of casing elevations, in conjunction with depth to water measurements, were used to calculate the groundwater elevation data. The newly installed wells were surveyed for location and top of casing elevations by Atlantic Gulf Surveying Company of Jacksonville, Florida (Attachment D). Groundwater elevation contour maps for the shallow and intermediate zones are provided as Figures 3 and 4, respectively. Since there are only two deep zone monitor wells, a deep zone flow direction map was not generated. Due to the apparent anomalous data from well cluster MW-10, the elevations from this location were not utilized in determining flow direction.

The elevation contour maps indicate that the shallow water table generally slopes towards the northeast and the pieziometric surface of the intermediate zone generally slopes towards the east-northeast. The northeastward sloping gradient of the water table and the pieziometric surface of the intermediate zones indicates that the groundwater flow beneath the Sandler Road Landfill is to the east-northeast. These flow directions are similar to the historical flow direction beneath the landfill.

In the well clusters containing shallow zone and intermediate zone wells, the pieziometric surface of the shallow zone shows no consistent correlation with the pieziometric surface of the intermediate zone. In four of these well clusters, the vertical hydraulic gradient between the shallow and intermediate zones is in a downward direction while in five of the well clusters, the vertical hydraulic gradient is in an upward direction. In the two well clusters that contain deep wells (MW-3 and MW-4), the pieziometric surface of the deep zone is lower than the water table elevation in the intermediate aquifer (Table 1). This indicates that there is a general vertical hydraulic gradient in the downward direction between the intermediate to deep zones at the landfill.



### 6.2 Groundwater Flow Velocity

On August 7, 2012, Aerostar Environmental Services conducted slug-in and slug-out tests on shallow monitor wells MW-6A, MW-16A, and MW-17A and on intermediate depth monitor wells MW-3B, MW-19B and MW-20B. A slug was introduced into the well and removed from the well, the static water depths, initial water levels and either the falling or rising head depths were plotted over time. Slug test plots (Bower/Rice) were calculated for each run to determine the hydraulic conductivity. Water level depths, distance between two wells with the recorded water levels and hydraulic conductivity were used to calculate the groundwater flow velocity. Based on calculations, the average velocity in the shallow and intermediates zones is approximately 0.011 feet/day. Slug test plots are contained in Attachment E.

### 7.0 GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

Between July 19 - 25, 2012, American Environmental Services (AES) collected samples from 20 wells at the Sandler Road landfill as part of the routine semi-annual monitoring of the site. Between August 24 – 29, 2012, AES collected samples from the five newly installed monitoring wells at the site. During each sampling event, depth to water and total depth of well measurements were used to calculate the amount of water in one well volume which was then purged from each well. Establishment of stable purging parameters of the monitoring wells was then carried out in general accordance with the FDEP Standard Operating Procedures (FS 2200) before the wells were sampled.

Following the standard purging activities, groundwater samples were collected from the monitoring wells. The collected samples were placed in laboratory-supplied bottles, stored on ice, and submitted to a State of Florida approved analytical laboratory, Test America, in Tallahassee, Florida, NELAC number E81005. Groundwater samples from all monitoring wells were analyzed for volatile organic aromatic and volatile organic halocarbon compounds by EPA Method 8260, cadmium, chromium, iron, lead and sodium by EPA Method 6010B, mercury by EPA Method 7470A, bicarbonate by EPA Method SM2320B, nitrate by EPA Method 353.2, ammonia by EPA Method 350.1, total dissolved solids (TDS) by EPA Method SM2540C, total organic carbon (TOC) by EPA Method SM5310C, and chloride by EPA Method 300. The pH of the groundwater was determined in the field.

A summary of the groundwater analytical data is presented as Table 2. The laboratory analytical data, field sampling logs, and chain of custody documentation are presented as Appendix F on the attached CD.

### 7.1 Shallow Groundwater Analytical Summary

The analytical results and field observations of the groundwater samples collected from the shallow monitor wells indicated that levels of iron, sodium, chloride, TDS, ammonia, benzene, and pH did not conform to FDEP Groundwater Cleanup Target Levels (GCTLs) as defined in Chapter 62-777, F.A.C. in one or more wells. All other monitored parameters were at or below



FDEP criteria. All shallow wells, including background well BW-1A, contained elevated levels of iron. The highest concentration of iron detected was a level of 30 mg/L in MW-1A. Sodium and chloride were detected at elevated concentrations in monitor well MW-9A. TDS was detected at elevated levels in shallow monitoring wells MW-1A, MW-7A and MW-9A with the highest concentration detected in MW-1A at a level of 1,000 mg/L. Ammonia was detected at elevated levels in shallow monitoring wells MW-1A, MW-2A, MW-3A, MW-4A, MW-7A, MW-9A and MW-13A. The highest concentration of ammonia detected was 75 mg/L in MW-2A. Benzene was detected at slightly elevated levels in shallow monitor wells MW-2A (2.7 ug/L), MW-7A (1.3 ug/L) and MW-13A (1.7 ug/L). The levels of pH detected in all of the shallow wells but MW-1A and MW-5A, including the background well BW-1A, were below 6.5 standard units (SU). The lowest pH detected at the landfill was 3.76 SU in MW-16A. The background well pH was 4.92 SU.

Of the newly installed shallow wells (MW-16A, MW-17A and MW-18A), only levels of iron and pH were detected above GCTLs. The groundwater sample from MW-18A indicated a total lead level of 18 ug/L; however, the turbidity of this groundwater sample was 400 NTUs and the dissolved (filtered) lead result from this monitoring well was 8.3 ug/L, below the GCTL of 15 ug/L.

### 7.2 Intermediate Groundwater Analytical Summary

The analytical results and field parameters of the intermediate depth wells indicated that levels of iron, sodium, chloride, ammonia, TDS, benzene, and pH did not conform to FDEP GCTLs as defined in Chapter 62-777, F.A.C. All other monitored parameters were at or below FDEP criteria. All intermediate depth wells, including background well BW-1B, contained elevated levels of iron. Dissolved (filtered) iron results from the two newly installed intermediate depth wells showed iron concentrations below its GCTL. The highest concentration of iron detected in the intermediate zone was a level of 26 mg/L in MW-3B. Sodium was detected at an elevated level in MW-19B (190 mg/L). Chloride was detected at a slightly elevated concentration in monitor well MW-3B (280 mg/L). Ammonia was detected at elevated levels in intermediate depth monitor wells MW-4B and MW-5B. The highest concentration of ammonia detected in the intermediate depth zone was 18 mg/L in MW-5B. TDS was detected at an elevated level in MW-19B (820 mg/L). Benzene was detected at a slightly elevated level in monitor well MW-3B (1.7 ug/L). The levels of pH detected in all of the intermediate depth wells except MW-19B and MW-20B, were below 6.5 standard units (SU). The lowest pH detected in the intermediate depth zone was 4.37 SU in MW-14B which was similar to the background well pH of 4.96 SU. The pH of MW-20B was above the acceptable pH range at a level of 11.00 SUs.

Of the newly installed shallow wells (MW-19B and MW-20B), only levels of total iron, sodium, TDS and pH were detected above GCTLs.



### 7.3 Deep Groundwater Analytical Summary

The analytical results and field parameters of the deep depth wells indicated that levels of iron and pH did not conform to FDEP GCTLs as defined in Chapter 62-777, F.A.C. Iron was detected in MW-3C at a level of 5.1 mg/L and in MW-4C at a level of 6.6 mg/L. The pH of MW-3C was 11.35 SU which is likely due to installation of this well in or adjacent to a limerock layer.

### 8.0 SURFACE WATER SAMPLING AND ANALYTICAL RESULTS

On July 25, 2012, American Environmental Services collected one surface water sample at the landfill. Surface water runoff from the Sandler Road Landfill facility is collected in a pond system (former borrow pit) along the northern boundary of the site. Surface water sample SW-3 was collected from the southeastern portion of the former borrow pit. The location of the surface water sample point is shown on Figure 2.

The collected samples were placed in laboratory-supplied bottles, stored on ice, and submitted to Test America. The surface water samples were analyzed for volatile organic aromatic and volatile organic halocarbon compounds by EPA Method 8260, arsenic, cadmium, chromium, copper, iron, lead, sodium and zinc by EPA Method 6010B, mercury by EPA Method 7470A, bicarbonate by EPA Method SM2320B, unionized ammonia by EPA Method 350.1, nitrate by EPA Method 353.2, total organic carbon by EPA Method 5310C, TDS by EPA Method 2540C and phosphorus by EPA Method 365.1. The pH of the surface water was determined in the field.

A summary of the surface water analytical data is presented as Table 3. The laboratory analytical data, field sampling logs, and chain of custody documentation, are presented as Appendix F on the attached CD.

The analytical results of surface water sample SW-3 indicated that all analyzed parameters met Class III surface water quality criteria, as defined in Chapter 62-302, F.A.C., with the exception of bicarbonate alkalinity. Bicarbonate alkalinity was detected at a level of 8.6 mg/L. Alkalinity has regulatory criteria in Chapter 62-302, F.A.C. that states it shall not be depressed below 20 mg/L.

### 9.0 CONCLUSIONS

Based on the findings of this site assessment, the City of Jacksonville concludes the following:

- The groundwater elevation data indicates that there is a general groundwater flow to the east-northeast. This flow direction is similar to the historical flow direction beneath the landfill.
- The groundwater elevation data indicates the pieziometric surface of the shallow zone shows no consistent vertical gradient correlation with the pieziometric surface of the intermediate zone. There is a general vertical hydraulic gradient in the downward direction between the intermediate to deep zones at the landfill.
- The average groundwater flow velocity in the shallow and intermediate zones is approximately 0.011 feet/day.



- Groundwater analytical results indicate the presence of elevated levels of iron in the shallow, intermediate and deep groundwater zones. Elevated levels of iron were also detected in the background monitoring wells. The highest iron concentration detected at the site was 30 mg/L in MW-1A.
- Groundwater analytical results indicate the presence of a slightly elevated level of sodium in one well in the shallow groundwater zone and in one well in the intermediate zone but not in any of the monitor wells in the deep groundwater zone. Sodium was detected at a concentration of 220 mg/L in monitor well MW-9A and 190 mg/L in monitor well MW-19B.
- Groundwater analytical results indicate the presence of slightly elevated levels of chloride in one well of both the shallow and intermediate zones but not in the deep groundwater zone. Chloride was detected in monitoring well MW-9A at a level of 480 mg/L and in MW-3B at a level of 280 mg/L.
- Groundwater analytical results indicate the presence of elevated levels of TDS in the shallow groundwater zone and in one monitor well of the intermediate zone. TDS levels were not excessive in the deep groundwater zone. The highest TDS concentration detected at the site was 1,000 mg/L in MW-1A.
- Groundwater analytical results indicated the presence of slightly elevated levels of benzene in the shallow and intermediate zones but not in the deep groundwater zone. The highest concentration of benzene was detected in monitoring well MW-2A at a level of 2.7 ug/L.
- Groundwater analytical results indicated the presence of elevated levels of ammonia in the shallow and intermediate groundwater zones but not in the deep groundwater zone. Monitor well MW-3A contained the highest concentration of ammonia (75 mg/L).
- The levels of pH detected in 20 of the 25 monitor wells at the site, including the background wells, indicate pH levels less than 6.5 SU. The lowest pH detected at the landfill was 3.76 SUs in MW-16A. Two wells, MW-20B and MW-3C, contained pH levels between 11.00 and of 11.35 SUs. These elevated pH levels are believed to be due to the likely presence of limerock layer in this vicinity.
- The analytical results of the surface water sample indicated that all analyzed parameters met Class III surface water quality criteria, as defined in Chapter 62-302, F.A.C., with the exception of bicarbonate alkalinity. Bicarbonate alkalinity was detected at a level of 8.6 mg/L. Alkalinity has regulatory criteria in Chapter 62-302, F.A.C. that states it shall not be depressed below 20 mg/L.

### 10.0 DISCUSSION AND RECOMMENDATIONS

Based on the information obtained during this site assessment, the majority of the regulatory criteria exceedances detected in the groundwater and/or surface water of the site are attributable to natural occurrence or elevated sample turbidity. The levels of iron and pH detected in the groundwater are not uncommon for Northeast Florida and are likely attributable to the native soil

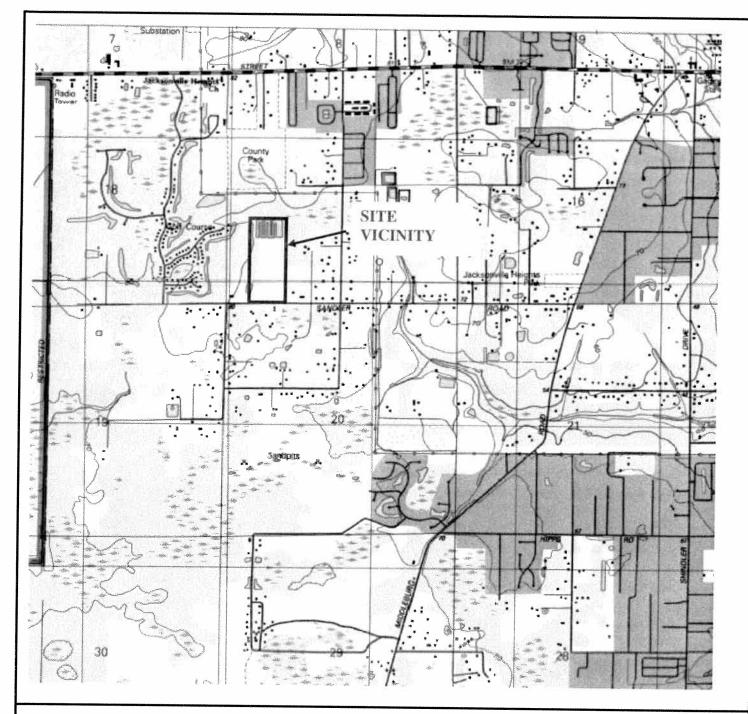


conditions within the landfill environment. This is further evidenced in the levels of these parameters detected in the background wells. The levels of sodium, chloride, TDS and ammonia detected in the wells are consistent with the historic data for the site. The detected levels of benzene in the shallow and intermediate groundwater zones at the landfill represent a contaminant concern beneath the landfill; however, the concentrations of benzene detected are only slightly above its GCTL and appear to be at relatively stable or reducing concentrations. The analytical results do not indicate that the benzene concentrations of the landfill have impacted the deeper groundwater zone and the horizontal extents of the impacts have been defined. The surface water results indicate that the landfill does not appear to be affecting the onsite surface water conditions.

Off-site impacts to the east of the former landfill have been detected. The levels of impacts to the groundwater appear to be at stable or shrinking concentrations. Proper notices of off-site impacts were given to the adjoining property owners in accordance with FDEP regulations in October 2011. The City of Jacksonville's Environmental Quality Division has no record of any wells (aside from monitor wells) on either of the eastern adjoining properties. The horizontal and vertical extents of the impacts have been defined and none of the impacts are at levels that warrant active remediation.

Based on the results of this investigation, the City of Jacksonville recommends that the benzene plume be addressed through natural attenuation monitoring through the addition of monitoring wells MW-16A, MW-17A, MW-18A, MW-19B and MW-20B to the routine semi-annual monitoring events.





JACKSONVILLE HEIGHTS, FLORIDA DATED 1994

7.5 MINUTE SERIES TOPOGRAPHIC MAP

CONTOUR INTERVAL 10 FEET





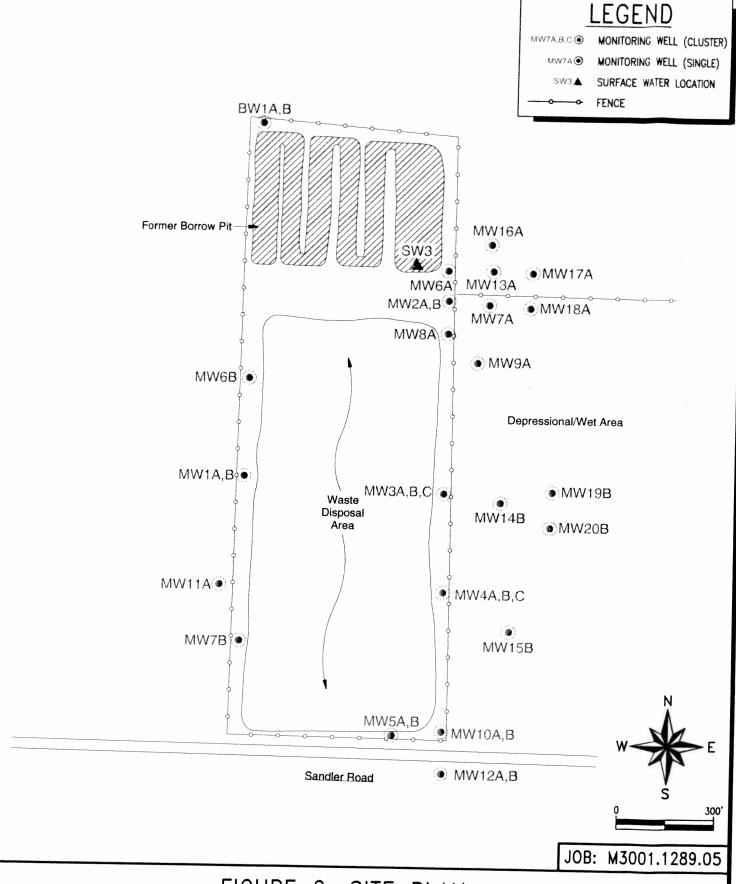
NATIONAL GEODETIC VERTICAL DATUM OF 1929

### FIGURE 1. TOPOGRAPHIC SITE LOCATION MAP

Jacks Onville Where Florida Begins.

SANDLER ROAD LANDFILL 10500 SANDLER ROAD JACKSONVILLE, DUVAL COUNTY, FLORIDA DATE: OCTOBER 2012

REFERENCE: MAP OF JACKSONVILLE HEIGHTS, FLORIDA PREPARED BY: USGS



### FIGURE 2. SITE PLAN

Jacks Onville Where Florida Begins.

SANDLER ROAD LANDFILL SITE 10500 SANDLER ROAD JACKSONVILLE, DUVAL COUNTY, FLORIDA SCALE: 1" = 300'-0"

DATE: SEPTEMBER 2012

REVIEWED BY: E. FULLER

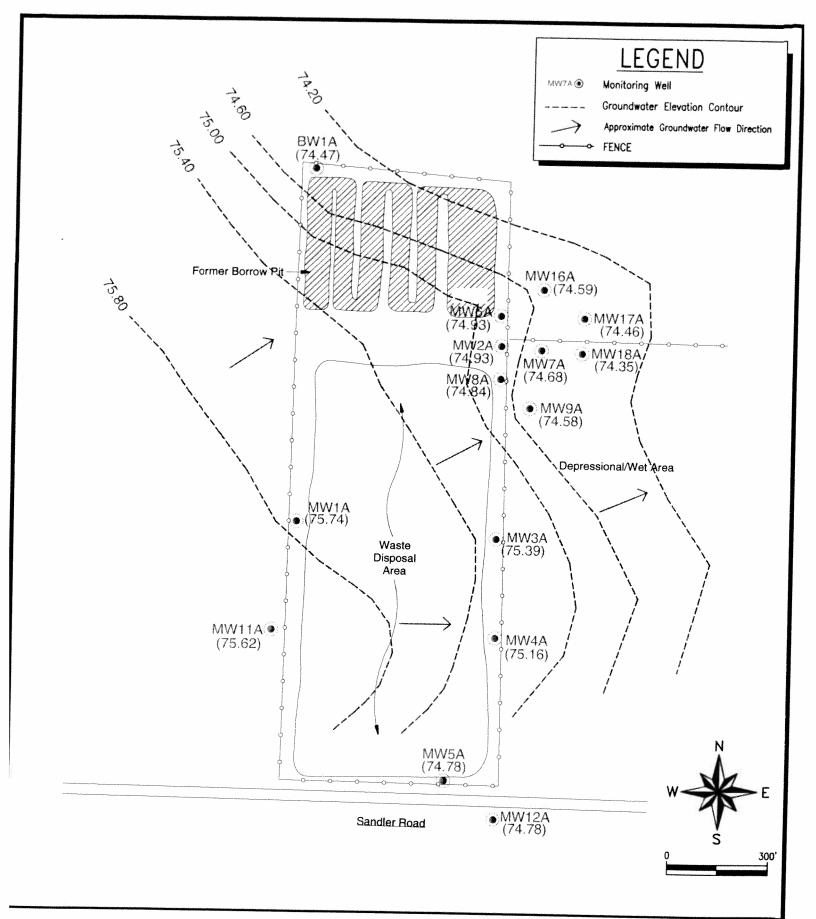


FIGURE 3. SHALLOW ZONE GROUNDWATER ELEVATION (SEPT. 14, 2012)

Jacks Onville Where Florida Begins.

SANDLER ROAD LANDFILL SITE 10500 SANDLER ROAD JACKSONVILLE, DUVAL COUNTY, FLORIDA SCALE: 1" = 300'-0"

DATE: SEPTEMBER 2012

REVIEWED BY: E. FULLER

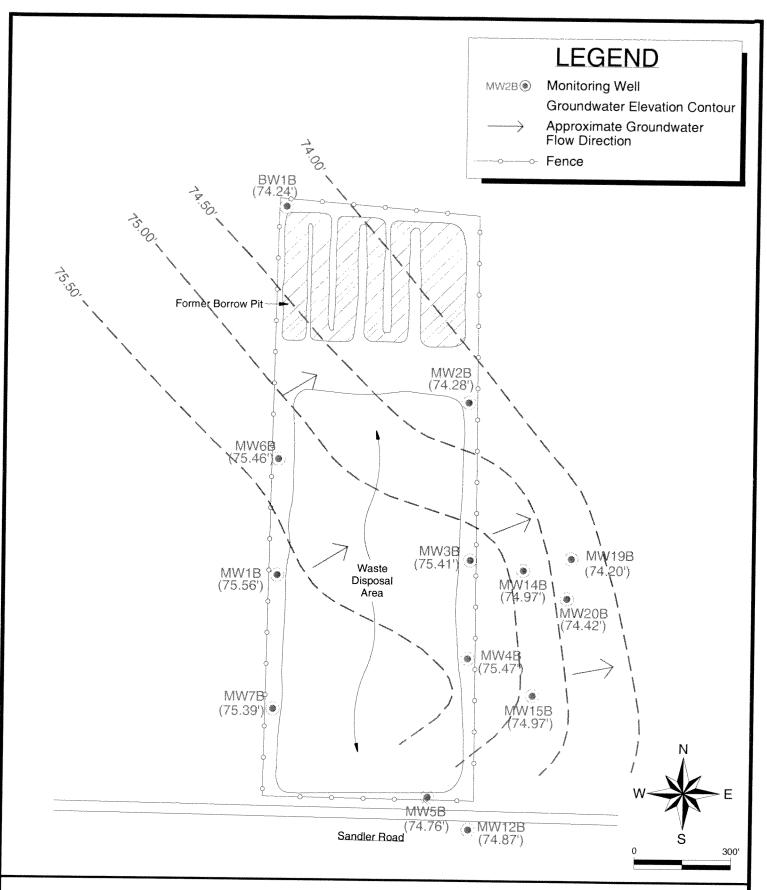


Figure 4 - Intermediate Zone Groundwater Elevation Map (Sept. 14, 2012)



Sandler Road Landfill Site 10500 Sandler Road Jacksonville, Duval County, Florida Scale: 1" = 300'-0"

Date: September 2012

Reviewed By: E. Fuller



TABLE 1: GROUNDWATER ELEVATION SUMMARY

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

WELL NO.	MW	MW-1A	MM	MW-2A	MM	MW-3A	MW-4A	4.4	MW.5A	5.4	1	MAXX 6.A	200	* ~ .		
DIAMETER	2	2"	,	2"	2	2"	1.6	477	C	4C.	V IVI	40-	A/-WM	A/-,	MW-8A	-8A
WELL DEPTH	18.	18.14	91	16.32	4	14.47	16.04	10	16	£ 83	4	15.00	7	7	7	
TOC ELEVATION	79.	79.36	77	77.35	78.55	55	79.98	86	81.74	74	76	76.84	75	50.61	00.CL	93.6
	ELEV	MLQ	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	EL EV	DTW	ET EV	D.T.W	EI EV	), Drff.W/
08/03/11	71.96	7.40	70.95	6.40	71.05	7.50	71.13	8.85	71.57	10.17	70 98	2.86	70.03	01.9	70.00	\$ 1 G
02/08/12	70.40	8.96	69.45	7.90	69.49	90.6	69.45	10.53	15 69	12.23	60.51	7.33	60.31	70.17	25.53	0.88
07/13/12	75.36	4.00	73.92	3.43	74.34	4.21	74.68	5.30	75.35	68.9	73.81	3.03	73.57	10.7	17.00	8.40
09/14/12	75.74	3.62	74.93	2.42	75.39	3.16	75.16	4.82	74.78	6.96	74.03	101	77.60	3.44	74.04	50.5
AVERAGE	73.83	5.53	72.77	4.58	73.07	5.48	73.10	6.88	73.21	8.53	72.75	4.09	72.52	1.4	77.71	5.03
WELL NO.	MW-IB	-1B	MW	MW-2B	MW-3B	-3B	MW-4B	4B	MW-5B	-5B	MM	MW-6R	MW 7B	70.7	17.71	J. 10
DIAMETER	2"		6.4	2"	2"	Ε.	2"		2".		(	7"	- MINI	9/-	For shade shaded in 100 decomplicate annual floration with more	Manadamana afrajdylandamananananan
WELL DEPTH	59.19	19	99	56.32	42.23	23	43.77	77	53.22	22	1 05	50.00	2000	8		The state of the s
TOC ELEVATION	80.36	36	77	77.42	78.36	36	79.98	86	81.61	19	61	79 33	81.58	28	THE RESIDENCE AND PARTY OF THE	OPPOR AND ADDRESS OF THE PARTY AND ADDRESS OF
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	FIFV	Drw		
08/03/11	71.89	8.47	89.02	6.74	71.40	96.9	71.43	8.55	71.15	10.46	71.87	746	71 68	0 00		
02/08/12	70.28	10.08	69.19	8.23	28.69	8.49	69.81	10.17	69.37	12.24	70.28	9.05	20.17	 EA = 1	Wildelphich between the Address of the Control of t	The state of the s
07/13/12	75.02	5.34	73.43	3.99	74.68	3.68	75.00	4.98	75.24	6.37	74.78	4.55	74.91	1299	айылындан жөрүүүүн калалалды бойранын	
09/14/12	75.56	4.80	74.28	3.14	75.41	2.95	75.47	4.51	74.76	6.85	75.46	3.87	75.30	6.10	Verifferensessessessespytyteldedelidebolysp	word printed the recommendence of the land
AVERAGE	73.19	7.17	71.90	5.53	72.84	5.52	72.93	7.05	72.63	8.98	73.10	6.23	73.00	× 5.6		
WELL NO.	we is a minimum to the property of the second secon				MW-3C	30	MW-4C	45								I
DIAMETER			A SAN AND AND AND AND AND AND AND AND AND A	The same of the sa	2"	1	2"		The state of the s		total days on a second of the	COLUMN TO A STATE OF THE PERSON OF THE PERSO	Production and the state of the	Andrews the sale-sales and sales	МЕАЛАРНУНОМИКИНЦИКОТ палам шама	Control of the second s
WELL DEPTH					97.24	74	98.27	7.7			PERSONAL REPRESENTATION OF THE PROPERTY OF THE		мен Мандей, шиниска компенсион указальнуй, у	Philiphich inverteementers of second	Maria sasah periferina sasahang-adipa	тальна принадаруй (утальная прин
TOC ELEVATION					78.00	00	79.73	73				and the state of t	THE RESERVE AND ALCOHOLOGY OF THE PROPERTY OF		AMI MAAAJAA WA BIR OO BAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	TO SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PE
					ELEV	DTW	ELEV	DTW						Ī		
08/03/11	and the second s				70.06	7.94	70.93	08.8						İ		I
02/08/12					68.48	9.52	69.31	10.42	Annual description of the second of the seco	Annual and the safe arms (1990) (state of energy)	Colors did construction of the colors of the	Andrew Wide & Secure or supplication of the State of the	Top delications assume assumption of a decomposity of	The second secon	Production of Physical Control of Street or	
07/13/12			A STATE OF THE PROPERTY OF THE		72.98	5.02	73.87	5.86	Annual Company of the		Property of the last of the la	A STATE OF THE STA	THE PERSON NAMED AND POST OF THE PERSON NAMED	And Discousia temporate proportion and the second	AND THE PARTY AND THE PARTY PARTY AND THE PA	
09/14/12					73.73	4.27	74.68	5.05	A STATE OF THE STA	the statement of the st	A STREET, STRE	THE RESIDENCE AND PERSONS ASSESSED.	A CONTRACTOR AND ADDRESS OF THE PARTY OF THE	***	NA MARKA GANTA STRUMBER & SA ASTRONOMORY	The second contract of the second
AVERAGE					71.31	69.9	72.20	7.53					-			
ND = No data				4		1								1		

TABLE 1: GROUNDWATER ELEVATION SUMMARY

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

WELL NO.	MW	MW-9A	MM	MW-10A	MW	MW-11A	A CT. XXXX	ACL VIDA	-					
DIAMETER	64	2"		2"	2	2"	7,1 - MIM	1CI - W IVI	4	PLI PERSONAL AND		Add dated a population of the same population of the same same same same same same same sam		MW-16A
WELL DEPTH	4	14.62	15	15.00	191	05.91	14.00	2 00 31	The same of the sa	The state of the s	***************************************	Addres were as a second descriptive as a second as a second secon	The state of the s	7.0
TOC ELEVATION	76	76.08	76	76.32	77.	77.57	76.18	00.C1			the state of the s	mary experience and the second second second second second	Administration votes substitutions are assessed	15.00
	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV DTW	FIRV	NTW		1			ŝŀ
08/03/11	71.12	4.96	69.51	6.81		ND	╅	+			1			ELEV DTW
02/08/12	69.28	08.9	67.49	8.83	70.28	7.29	69.48 6.70	a CX	20%	THE RESIDENCE AND ADDRESS OF THE PERSON OF T	THE COLD MANAGES IN PROPERTY AND ADDRESS.	PROFES I TO COMMENTE AND ADDRESS FOR LANDSCAPE AND ADDRESS OF	Consession of the Property of the State of t	eranakan melekeleksi, jangalan fara menjaman mejekaksi ini aksystylyksioosoona o
07/13/12	73.65	2.43	72.22	4.10		N.	+		5.33	tambélis de pri spratos maios e a mananamo pomo p	All All Andrews State St	Action and the constitution of the constitutio	Addistance and a second second	подделен налиментентеруский макей, рефунктирација удала налиме вуску м
09/14/12	74.58	1.50	72.68	3.64	75.62	1.95	-		4.20	N. I describe the same of a proposition is a management of the same of the sam	And statement of the format of	AND DESCRIPTION OF STREET PROPERTY.	Tests Administration (Applications of the Control o	-
AVERAGE	72.16	3.92	70.48	5.85	72.95	4.62	72.82 3.36	+	4.20					
WELL NO.			MM	MW-10B			15	-	+					74.59 3.48
DIAMETER		of Month Administration 1 by Personal State of Company of the Comp	0	2"		The state of the s	G71- W W	And desired the state of the st	And a second part of the second	MW-14B	18	MW-15B	ISB	- The state of the
WELL DEPTH	And the state of t	Annual Control of the	95	20.00			7			2"	Oracles and Adjustines and Adjustines	5,		
TOC ELEVATION	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	The state of the s	35	26.00		No. of Street, or other Desire, Spirit, Spirit	20.00		4	55.00		55.00	8	мания— (АНН-холово в Артия Вишиния» Арадальнай Андобрикаличий Анд
				07.			/6.32			79.99	-	80.44	4	PRIADVANIA ELEMENTE TO ANTIAL MILLENS ANTIAL MILLEN
			ELEV	DTW			ELEV DTW		F	ELEV I	DTW	FIEV	DYP'XV	THE PARTY
08/03/11			68.72	7.48			QN		+	╀	20.0	4		ETEV DIW
02/08/12			66.95	9.25			69.46 6.86	a community and the community of the com		11.17	0.00	17.17	9.23	me opinisti adaminin primpini na ammanin primpini na p
07/13/12			71.74	4.46	A CONTRACTOR AND A CONT		74.73	40.00 th dates and property and a second pro		-	10.44	69.52	10.92	THE STATE OF THE S
09/14/12		- Market Control of the figure on marketing a market of the first of t	72.30	3.90			+			74.25	5.76	74.36	80.9	
AVERAGE			69 93	6.27			+			-	5.02	74.97	5.47	
WELL NO.			67.70	77.0			17.62 3.47		$\dashv$	72.47	7.52	72.52	7.93	
DIAMETER		Control of the supplication of the supplicatio	Market and the majority statement and the statement of th			The second secon	Add the second of the second o		THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL	MORPHISM OF THE PROPERTY AND ASSESSMENT	and the state of t		Commission of the Commission o	
WELL DEPTH	PPYNAMIAN AND AND AND AND AND AND AND AND AND A		To the state of th						Made Name of Control of State	Andrew Conferencement accommon management myryppys	TAXABLE DESIGNATION OF SALES	economic bit edition assessed a stratal press.	* menonomorphymymymymymymymymymymymymymymymymymymym	
TOC ELEVATION	THE PARTY OF THE P	7 100 100 100 100 100 100 100 100 100 10	CONTRACTOR OF SECURIOR WAY I AMERICAN			The second second	THE STANDARD STANDARD RESIDENCE AND ADDRESS OF THE STANDARD STANDA		Commission of the Property of the Commission of		***************************************	esemply contained to proceed the format of	the employed pile common description	Nonemental Annaessan and Annaessan A
									+		1			
						1								
tek deben summuni populationa — Volenjami oli tokin amin na munipijanika — Volenja summuni nje da amin	d advances a minimum of family	TAYLOR AND ADDRESS OF THE PERSON OF THE PERS		A STATE OF THE STA			A Colonia de Colonia d		_					
	THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.	With believe a principle of annual section of		AND AND POST OF THE PERSON OF	1000000	The second second second second second				* Andrew Address of the Control of t	and the suppression of the supersion of t	Complete a recommendate of the complete and the complete	THE COLOURS CONTRACTOR SHOWING THE PARTY NAMED IN COLUMN TWO PARTY NAM	hader de de la communicación de manda producada da de la communicación de describir de la communicación de
AVERAGE										AND THE PERSON OF THE PERSON O		the exchangemental technologistes a monthly	on the second of the second of the second	менерория салыны афрусую салыйныны менер (одал алын (функционалы)
ND = No data									$\dashv$					

TABLE 1: GROUNDWATER ELEVATION SUMMARY

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

WELL NO.	MW	MW-17A	MW	MW-18A					RW	RW-14
DIAMETER		2"	2	2"		Control of the Contro			,	7"
WELL DEPTH	15	15.00	15	15.00			75 may 271 Addition		4 7	15.00
TOC ELEVATION	78	78.08	78	78.00					79.	79.23
	ELEV	DTW	ELEV	DTW	ELEV	DTW			ELEV	DTW
08/03/11									71.77	746
02/08/12		The second secon	And different formal placements of the formal placement of the formal placemen		THE RESERVE THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAMED I			***************************************	70.36	2 87
07/13/12		-		And state of Anna State of Sta					73.73	5.50
09/14/12	74.46	3.62	74.35	3.65	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.			No. of the latest states and the latest stat	74.47	4.76
AVERAGE	74.46	3.62	74.35	3.65					72.58	6.65
WELL NO.					MM	MW-19B	M	MW-20B	BW	BW-1B
DIAMETER			AND THE PARTY AN		2	2"		3".	, C	
WELL DEPTH			Management American		55.	55.00	55	55.00	50	8
TOC ELEVATION				THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO I	78.	78.37	78	78.67	79.47	47
			ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW
08/03/11		Administration of STATE STATE AND ADMINISTRATION OF STATE ADMINISTRATION OF STATE AND ADMINISTRATION OF STATE ADMINISTRATION OF STATE AND ADMINISTRATION OF STATE ADMINISTRATION OF STATE AND ADMINIST							71.88	7.59
02/08/12		A CONTRACTOR OF STANFOLD SAMESON STANFOLD						THE REAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AD	70.44	9.03
07/13/12		A CHARLES AND AN ART OF THE ACT O			TOTAL DESIGNATION OF THE PARTY			TOTAL CONTRACTOR OF THE PERSON NAMED IN	74.24	5.23
09/14/12					74.20	4.17	74.42	4.25	75.02	4.45
AVERAGE					74.20	4.17	74.42	4.25	72.90	6.58
WELL NO.										
DIAMETER	, , , , , , , , , , , , , , , , , , ,		PERSONAL PROPERTY IN THE PROPERTY OF THE PERSONAL PROPERTY OF THE PERSO			ON THE PROPERTY OF THE PROPERT			WALKER OF THE PARTY OF THE PART	***************************************
WELL DEPTH			And the second s	Control of the Contro					AAA Villamenteer eensterre kansaanse	
TOC ELEVATION			The second secon	The second secon	70.00	and the state of t			And the second s	And the state of t
777   170 AAAL 1000 A										
	The state of the s				The state of the s					
									Management of the statement of the state	AND THE PERSON NAMED AND THE P
AVERAGE										
ND = No data										

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

L	Unit EPA Method	Dg/L 6010B	Cnromium µg/L	lron µg/L	Lead µg/L	
	EDED COTT	50105	6010B	6010B	6010B	
Well	Samoling Date	c	100	300	15	
	3/23/11	0.47 U	1111	830	0 4 1	
BW-1A	7/12/11	0.47 U	1.4.1	V 067	315	
	2/2/12	0.47 U	1.10	790	3.10	
1	7/24/12	1.0 U	2.0 U	850	3.21	
	3/17/11	0.47 U	1.31	28000	3.10	
MW-1A	7/12/11	0.47 U	2.8 (	35000 V	3.10	
	2/1/12	0.47 U	3.0 l	18000	3.1 U	
-	7/23/12	1.0 U	2.41	30000	3.81	
	3/23/11	0.47 U	3.61	1100	3.1.1	
MW-2A	7/6/11	0.47 U	4.4	1300 V	3.10	
	1/30/12	0.47 U	4.0	1800	311	
	7/23/12	1.0 U	4.31	2400	0.00	
	3/18/11	0.47 U	4.3	430	11.0	l
1 MAZ 2A	7/6/11	0.47 U	641	V 069	2 2	
	1/30/12	0.4711	7.91	000	0 : 0	
	7/20/12	101	1977	020	3.10	
-	3/18/11	00.7	10.4	067	2.0 U	
	3/10/11	U.47 U	1.71	4500	3.10	
MW-4A	11/11/1	0.47 U	1.91	2300	3.1 U	
	1/19/12	0.47 U	3.51	2200	3.10	
	7/20/12	1.0 U	2.2 1	2100	2.0 U	
	3/17/11	0.47 U	1.6	12000	3.11	
MW-5A	7/11/11	0.47 U	1.4 i	9100	3111	
	1/19/12	0.47 U	1.61	6700	3.10	
$\frac{1}{1}$	7/19/12	1.0 U	2.0 U	7100	2.0 U	
	3/23/11	0.47 U	4.01	1400	3111	
MW-7A	7/13/11	0.47 U	2.9	900	3.111	
	2/3/12	0.47 U	6.31	V 067	9 111	
	7/25/12	1.0 U	5.81	3000	108	
	3/24/11	0.47 U	111	5100	- 7 0	I
V V V V V V V V V V V V V V V V V V V	7/13/11	0.47 U	111	0010	0.10	
	2/3/12	0.4711		27.00	3.10	
	7/05/12	200	1.4.1	3100	3.1 U	
_	NIC IL	0.0.2	2.0 U	4400	2.01	
	S S	200	SN	NS	NS	١
MW-13A	No	SN	NS	SN	NS	
	27.272	0.47 U	2.81	750	3.1 U	
1	7/24/12	1.0 U	3.01	850	2010	
MW-164				222	2000	
	8/24/12	*1.0 U/**1.0 U	*5.31/**3.51	*1100/**1000	4.81/**57	_
MW-17A	8/24/12	110/**1011	15 6**/10 5*	000311		
MM. 18A			10.7	0000 / 0000	1977 / 170	١
	07/70/0					

FDEP - Florida Department of Environmental Protection GCTLs - Groundwater Cleanup Target Levels mgt. - Miligrams per Liter Light. - Micrograms per Liter NL - Not Listed NS - Not Sampled (Weil Damaged)

Notes:

U - analyte not detected above laboratory method detection limit I - result between laboratory method detection limit and laboratory V - analyte detected in laboratory blank BDL - analytes not detected above laboratory method detection limit Bolded entries indicate an exceedance of a regulatory level - Total Recoverable

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

WM (A) ERPA MARINA (BATTAL)         LIGHT (BATTAL)         LIGH (BATTAL)						Lead	Sodium
WAY-18         EATM MINING         6010B         15         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16         16		Cuit	ng/L	ug/t.	ηση.	µg/L	na/L
Well         Spizalize Data         5         100         300         15           BW-IB         Spizalize Data         0.47U         1.1U         660         3.1U           Spizalize Data         0.47U         1.1U         660         3.1U           T/12/11         0.47U         1.1U         660         3.1U           T/12/12         0.47U         1.1U         660         3.1U           T/12/12         0.47U         1.1U         2000         3.1U           T/12/12         0.47U         1.1U         2.0U         3.1U     <		EPA Method	6010B	6010B	6010B	60108	6010B
Well         Sampling Date         0.47 U         11 U         620 U         31 U           MW-18         7/12/11         0.47 U         11 U         660 U         34 IV           22/12         0.47 U         11 U         660 U         34 IV           22/12         0.47 U         11 U         660 U         34 IV           22/12         0.47 U         11 U         660 U         34 IV           22/12         0.47 U         11 U         200 U         31 U           22/12         0.47 U         11 U         200 U         31 U           22/11         0.47 U         11 U         200 U         31 U           MW-2B         7/20/12         1.0 U         2.0 U         400         31 U           MW-2B         7/20/12         1.0 U         2.0 U         400         31 U           MW-4B         7/20/12         1.0 U         2.0 U         400         31 U           MW-4B         7/20/12         0.47 U         1.1 U         2600         31 U           MW-4B         7/20/12         0.47 U         1.1 U         2600         31 U           7/20/12         0.47 U         1.1 U         2600         31 U		FDEP GCTLs	5	100	300	1.	00000
BW+18         7/22/11         0.47 U         11 U         650 V         31 U           MW+18         7/22/12         0.47 U         11 U         660 V         31 U           MW+18         2/27/12         0.47 U         11 U         500 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U         200 U         31 U           3/27/12         0.47 U         11 U	Well	Sampling Date				2	nonno
BW-18         7/12/11         0.47 U         11.0         650 C         3.1 U           MW-18         22/12/2         0.047 U         1.10 C         660 S1 U         3.1 U           MW-18         23/14/1         0.47 U         1.10 C         660 S1 U         3.1 U           MW-18         23/14/2         0.47 U         1.10 C         660 S1 U         3.1 U           MW-28         23/14/2         0.47 U         1.10 C         2.00 S200 S1 U         3.1 U           MW-38         23/14/2         0.47 U         1.10 S200V         3.1 U         3.1 U           MW-38         23/14/2         0.47 U         1.10 S200V         3.1 U           MW-48         7/14/1         0.47 U         1.10 S200V         3.1 U           MW-58         7/14/1         0.47 U         2.0 U         2.00 S20U         3.1 U           MW-68         7/14/1         0.47 U         2.0 U         2.00 S20U         3.1 U           MW-78         7/14/1         0.47 U         2.0 U         2.00 S20U         3.1 U           MW-89         7/14/1         0.47 U         2.0 U         2.00 S20U         3.1 U           MW-80         7/14/1         0.47 U         1.1 U         2.0 U </td <td></td> <td>3/23/11</td> <td>0.4711</td> <td>115</td> <td>003</td> <td></td> <td></td>		3/23/11	0.4711	115	003		
WW-18         22212 722412         0.677 U 10 U 10 U 11 U 11 U 2000         11 U 2000         600 20 U 31 U 31 U 31 U 31 U 31 U 31 U 31 U 31		7/12/11	0.4711	-	2020	0	4400
MW-18         772412 21711         110 100         200         510           MW-18         772712 21712         110 100         110 110         110 200         310           MW-18         772712 772712         140 100         200         310           MW-18         772712 772712         1410         200         310           MW-18         772712 772712         1410         200         310           MW-18         772712         0.470         111         200         310           MW-18         772712         0.470         111         200         310           MW-18         771111         0.470         111         26000         310           MW-18         771111         0.470         111<	BW-18	2/2/12	0.4711	2 .	A Oco	3.4 IV	4400
MAY-18         317211         0.47 U         110         660         3.0 U           MAY-18         317211         0.47 U         1.11         2300V         3.1 U           272312         1.0 U         2.0 U         1.800         3.1 U           272312         1.0 U         2.0 U         1.800         3.1 U           272312         0.47 U         1.1 U         2.000         3.1 U           372312         0.47 U         1.1 U         3.200 V         3.1 U           772312         0.47 U         1.1 U         3.200 V         3.1 U           772312         0.47 U         1.1 U         2.000         3.1 U           772012         1.0 U         2.0 U         2.0 U         3.1 U           772012         1.0 U         2.0 U         2.0 U         3.1 U           772012         1.0 U         2.0 U         2.0 U         3.1 U           772012         0.4 U         1.1 U         2.0 U         3.1 U           772012         0.4 U         1.1 U         2.0 U         3.1 U           772012         0.4 U         1.1 U         2.0 U         3.1 U           772012         0.4 U         2.0 U         2.0 U		7/04/40	200	0	900	3.1 U	4200
MW-18         37/1/11         047 U         11 U         1800         31 U           MW-18         27/1/21         047 U         111         2300 V         31 U           MW-28         22/1/2         047 U         11 U         2300 V         31 U           MW-38         7/2/21         047 U         11 U         3200 V         31 U           MW-48         7/2/21         047 U         11 U         2500 U         31 U           MW-48         7/2/21         047 U         11 U         2500 U         31 U           MW-48         7/2/21         047 U         11 U         2500 U         31 U           MW-48         7/2/21         047 U         11 U         2500 U         31 U           MW-48         7/2/21         047 U         11 U         2500 U         31 U           MW-5         2//2/21         047 U         11 U         2500 U         31 U           MW-6         7/1/2/1         047 U         11 U         2500 U         31 U           MW-7         7/1/2/1         047 U         11 U         2500 U         31 U           MW-8         7/1/2/1         047 U         11 U         250 U         31 U      <		21 (+2)	00.7	2.0 0	660	2.0 U	4500
MAY-18         77/12/11         0.47 U         11.11         2300 V         31 U           MAY-28         7/22/12         1.0 U         2.0 U         1800         3.81 U           3/22/12         1.0 U         2.0 U         1800         3.81 U           3/22/12         1.0 U         2.0 U         1800         3.81 U           3/22/12         1.0 U         2.0 U         3.1 U         3.81 U           7/22/12         1.0 U         2.0 U         3.1 U         3.1 U           7/22/12         1.0 U         2.0 U         3.1 U         3.1 U           7/22/12         1.0 U         2.0 U         2.6000         3.1 U           7/22/12         1.0 U         2.0 U         2.6000         3.1 U           7/22/12         1.0 U         2.0 U         2.6000         3.1 U           7/22/12         0.4 U         1.1 U         2.6000         3.1 U           7/22/12         0.4 U         1.1 U         2.6000         3.1 U           7/22/12         0.4 U         1.1 U         2.6000         3.1 U           7/11/11         0.4 U         2.0 U         2.0 U         3.1 U           7/11/11         0.4 U         1.1 U		3/1//11	0.47 U	1.1 U	1900	3.1 U	4700
MW-28         22/172         0.47 U         11 U         2000         31 U           MW-28         322/11         0.47 U         11 U         3000         381           322/11         0.47 U         11 U         3000         31 U           322/11         0.47 U         11 U         3000         31 U           3281         0.47 U         11 U         3000         31 U           3781         0.47 U         11 U         2500         31 U           3771         0.47 U         11 U         2500         31 U           3771         0.47 U         11 U         250         31 U           3724 </td <td>MW-1B</td> <td>//12/11</td> <td>0.47 U</td> <td></td> <td>2300 V</td> <td>3.1 U</td> <td>4800</td>	MW-1B	//12/11	0.47 U		2300 V	3.1 U	4800
MW-2B         7722472         10 U         20 U         1800         38 I           MW-2B         776/11         647 U         11 U         3200 V         31 U           MW-3B         776/11         647 U         11 U         3200 V         31 U           776/11         647 U         11 U         25000         31 U           776/11         647 U         11 U         25000         31 U           776/11         647 U         11 U         25000         31 U           776/11         647 U         11 U         26000         31 U           777/11         647 U         24 I         1000         31 U           772012         1,0 U         2.0 U         26000         31 U           772012         1,0 U         2.0 U         2600         31 U           777111         647 U         2.1 I         2.0 U         31 U           77711         647 U         2.0 U         2.0 U         31 U           77711         647 U         2.0 U         2.0 U         31 U           77711         647 U         2.0 U         2.0 U         31 U           777912         647 U         1.1 U         2.0 U         <		2/1/12	0.47 U	1.10	2100	3.111	4600
MW-28         322711         0.47 U         11 U         3500 V         31 U           MW-38         7/6/11         0.47 U         11 U         3000 V         31 U           MW-38         2/6/12         0.47 U         11 U         3000 V         31 U           3/18/11         0.47 U         11 U         25000 V         31 U           3/18/11         0.47 U         11 U         25000 V         31 U           3/18/11         0.47 U         11 U         25000 V         31 U           3/18/11         0.47 U         1.0 U         2.0 U         31 U           3/18/11         0.47 U         2.0 U         31 U         31 U           3/18/11         0.47 U         2.0 U         31 U         31 U           3/18/11         0.47 U         2.0 U         31 U         31 U           3/18/11         0.47 U         2.0 U         340         31 U           3/18/11         0.47 U         1.1 U         2.00         31 U           3/18/11         0.47 U         1.1 U         3.0         31 U           3/18/11         0.47 U         1.1 U         2.0 U         31 U           3/18/11         0.47 U         1.1 U <td></td> <td>7/23/12</td> <td>1.0 U</td> <td>2.0 U</td> <td>1800</td> <td>188</td> <td>4000</td>		7/23/12	1.0 U	2.0 U	1800	188	4000
MW-2B         7/6/11         647 U         1.1 U         3200 V         3.1 U           MW-3B         7/23/12         1.0 U         2.0 U         4000         2.0 U         3.1 U           MW-3B         7/23/12         1.0 U         2.0 U         4000         3.1 U         3.1 U           MW-3B         7/23/12         0.47 U         1.1 U         26000         3.1 U         3.1 U           MW-4B         7/17/11         0.47 U         1.1 U         26000         3.1 U         3.1 U           MW-5B         7/17/11         0.47 U         2.0 U         2.0 U         3.0 U         3.1 U           MW-5B         7/17/11         0.47 U         2.0 U         2.0 U         3.1 U         3.1 U           MW-5B         7/17/11         0.47 U         2.0 U         2.0 U         3.1 U         3.1 U           MW-5B         7/17/11         0.47 U         1.1 U         2.0 U         3.0 U         3.1 U           MW-7B         7/17/11         0.47 U         1.1 U         6.0 U         3.1 U         3.1 U           MW-7B         7/17/11         0.47 U         1.1 U         6.0 U         3.1 U         3.1 U         3.1 U           MW-14B	-	3/23/11	0.471	1 1 1	4400	1000	2006+
MW-26         1(30)12         047'U         1.1 U         3500         31 U           MW-36         7(32)12         1,0 U         20 U         4100         20 U         31 U           7(32)12         1,0 U         20 U         26000         31 U         20 U         31 U         31 U           7(20)12         0,47 U         1,1 U         26000         31 U         31 U <td></td> <td>7/6/11</td> <td>0.4711</td> <td>17.</td> <td>0000</td> <td>3.10</td> <td>15000</td>		7/6/11	0.4711	17.	0000	3.10	15000
MW-3B         27/12/12         1,10         300         31 U           MW-3B         27/11         0,47 U         1,11         26000         3,10           37/8/11         0,47 U         1,11         26000         3,10           37/8/11         0,47 U         1,11         26000         3,10           37/8/12         0,47 U         1,11         26000         3,11           37/8/12         0,47 U         2,41         1000         3,11           37/8/12         0,47 U         2,41         1000         3,11           37/8/12         0,47 U         2,91         1000         2,01           37/8/12         0,47 U         2,91         1000         2,01           37/8/12         0,47 U         2,91         1000         2,01           37/8/12         0,47 U         1,11         2600         3,10           37/8/12         0,47 U         1,11         2600         3,10           37/8/12         0,47 U         1,11         2600         3,10           37/8/12         0,47 U         1,11         740V         3,10           37/11/11         0,47 U         1,11         570         3,10	WAY-ZB	1/30/10	2,47		3200 V	3.1 U	14000
MW-3B         7/25/12         1.0 U         2.0 U         4100         2.0 U           MW-3B         2/6/11         0.47 U         1.1 U         26000 V         3.1 U           MW-4B         7/20/12         1.0 U         2.0 U         26000 V         3.1 U           MW-4B         7/20/12         1.0 U         2.0 U         2.0 U         3.1 U           MW-5B         7/20/12         0.47 U         2.6 I         1.000         3.1 U           MW-6B         7/20/12         0.47 U         2.3 I         4.30         2.0 U           MW-7B         7/11/11         0.47 U         2.3 I         4.30         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         860         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         860         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         860         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         860         3.1 U           MW-14B         829/12         1.0 U         2.0 U         800         2.0 U           MW-14B         829/12         1.0 U         2.0 U         800         3.		2000	0 /40	0 1.2	3000	3.1 U	9500
MW-3B         \$7811         0.47 U         11.1         \$5600         3.1 U           MW-3B         \$7811         0.47 U         1.1 U         \$26000         3.1 U           \$78012         1.0 U         2.0 U         \$26000         3.1 U           \$78012         1.0 U         2.0 U         \$26000         3.1 U           \$71111         0.47 U         2.4 I         1000         3.1 U           \$71111         0.47 U         2.8 I         1500         3.1 U           \$71111         0.47 U         2.8 I         1500         3.1 U           \$71111         0.47 U         2.8 I         1500         3.1 U           \$71711         0.47 U         2.9 I         3.0 U         3.1 U           \$71711         0.47 U         1.1 U         5.0 U         3.1 U           \$71711         0.47 U         1.1 U         5.0 U         3.1 U           \$71711         0.47 U         1.1 U         5.0 U         3.1 U           \$71711         0.47 U         1.1 U         5.0 U         3.1 U           \$71711         0.47 U         1.1 U         5.0 U         3.1 U           \$71711         0.47 U         1.1 U         5.0 U <td></td> <td>1/23/12</td> <td>1.0 U</td> <td>2.0 U</td> <td>4100</td> <td>2.0 U</td> <td>21000</td>		1/23/12	1.0 U	2.0 U	4100	2.0 U	21000
MW-3B         7/6/11         0.47 U         1.1 U         26000 V         3.1 U           MW-4B         2/1/12         1.0 U         2.0 U         26000         3.1 U           MW-4B         7/20/12         1.0 U         2.0 U         26000         3.1 U           MW-5B         7/11/11         0.47 U         2.6 I         1800         3.1 U           MW-6B         7/11/11         0.47 U         2.3 I         4.30         3.1 U           MW-7B         7/11/11         0.47 U         2.3 I         4.30         3.1 U           MW-7B         7/11/11         0.47 U         2.3 I         4.30         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         650         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         670         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         670         3.1 U           MW-7B         7/11/11         0.47 U         1.1 U         670         3.1 U           MW-14B         829/12         1.0 U         2.0 U         400         3.1 U           MW-16B         829/12         1.0 U         2.0 U         400         3.1 U		3/18/11	0.47 U	1.11	25000	3 1 13	000014
MWV-3B         2/1/12         0.47 U         1.1 U         26000         3.1 U           MWV-4B         7/2012         1.0 U         2.0 U         26000         3.1 U           3/14/11         0.47 U         2.0 U         26000         3.1 U           3/14/11         0.47 U         2.6 I         1800         3.1 U           7/20/12         1.0 U         2.6 I         1800         3.1 U           7/20/12         0.47 U         2.8 I         1800         3.1 U           7/20/12         0.47 U         2.8 I         430         3.1 U           7/20/12         0.47 U         1.0 I         2.0 I         3.0         3.1 U           MW-6B         7/71/11         0.47 U         1.1 U         7.0         2.0 U         3.1 U           MW-7B         7/72/12         0.47 U         1.1 U         7.0         3.1 U           MW-7B         2/21/2         0.47 U         1.1 U         670         3.1 U           MW-7B         2/21/2         0.47 U         1.1 U         670         3.1 U           MW-14B         2/21/2         0.47 U         1.1 U         670         3.1 U           MW-15B         8/29/12         1.0 U/*	00000	7/6/11	0.4711	1111	20000	0.70	150000
MW-4B         772012         1.00         2.41         1000         3.1 U           MW-4B         771171         0.47 U         2.41         1000         3.1 U           MW-5B         771171         0.47 U         2.51         380         3.1 U           MW-6B         771711         0.47 U         2.51         380         3.1 U           MW-6B         771711         0.47 U         2.51         380         3.1 U           MW-7B         771912         0.47 U         1.1 U         850         3.1 U           MW-7B         771271         0.47 U         1.1 U         840         3.1 U           MW-7B         771271         0.47 U         1.1 U         840         3.1 U           MW-7B         77271         0.47 U         1.1 U         840         3.1 U           AW-7B         77271         0.47 U         1.1 U         840         3.1 U           AW-7B         77271         0.47 U         1.1 U         840         3.1 U           AW-7B         77271         0.47 U         1.1 U         840         3.1 U           AW-7B         77371         0.47 U         1.1 U         500         2.0 U	GC-MM	2/1/12	0.4711		A 00007	3.10	160000
MW-5B         7/12/11         0.47 U         2.0 U         2.600         3.31           MW-5B         7/11/11         0.47 U         2.61         1500         3.1 U           MW-5B         7/11/11         0.47 U         3.91         1500         3.1 U           3/12/11         0.47 U         3.01         1300         2.0 U         3.1 U           3/17/11         0.47 U         1.31         360         3.1 U         3.1 U           3/17/11         0.47 U         1.9 U         2.0 U         3.1 U         3.1 U           3/23/11         0.47 U         1.1 U         740 V         3.1 U         3.1 U           MW-6B         7/12/11         0.47 U         1.1 U         740 V         3.1 U           MW-7B         7/12/11         0.47 U         1.1 U         740 V         3.1 U           MW-7B         2/2/12         0.47 U         1.1 U         840         3.1 U           MW-14B         2/2/12         0.47 U         1.1 U         840         3.1 U           MW-14B         2/2/12         0.47 U         1.1 U         840         3.1 U           MW-14B         2/2/12         0.47 U         1.1 U         5.0 U         3.		01/00/1	0 /+/0	2	26000	3.1 U	140000
MW-4B         3/11/11         0.47 U         2.4 I         1000         31 U           MW-5B         7/11/11         0.47 U         2.6 I         1800         3.1 U           MW-5B         7/11/11         0.47 U         2.5 I         390         3.1 U           MW-5B         7/11/11         0.47 U         2.5 I         390         3.1 U           7/11/11         0.47 U         2.5 I         390         3.1 U           7/19/12         0.47 U         2.5 I         390         3.1 U           7/19/12         0.47 U         1.9 I         360         3.1 U           7/19/12         0.47 U         1.1 U         860         3.1 U           7/24/12         0.47 U         1.1 U         840         3.1 U           7/11/11         0.47 U		21/02//	J.O.T	2.0 U	26000	3.31	140000
MW-4B         7/11/11         0.47 U         3.91         1200         3.1 U           MW-5B         7/20/12         1.0 U         3.61         1300         2.0 U           7/20/12         1.0 U         3.61         1300         2.0 U           3/17/11         0.47 U         2.51         390         3.1 U           7/19/12         0.47 U         2.31         430         3.1 U           7/19/12         0.47 U         2.0 U         340         2.0 U           7/19/12         0.47 U         1.1 U         740 V         3.1 U           7/12/11         0.47 U         1.1 U         6.0         3.1 U           MW-7B         2.2/12         0.47 U         1.1 U         6.0         3.1 U           MW-7B         2.2/12         0.47 U         1.1 U         6.0         3.1 U           MW-14B         2.2/12         0.47 U         1.1 U         6.0         3.1 U           MW-14B         8/29/12         1.0 U         2.0 U         3.0 U         3.1 U           MW-14B         8/29/12         1.0 U/**1.0 U         2.0 U         3.0 U         3.1 U           MW-14B         8/29/12         1.0 U/**1.0 U         2.0 U		3/18/11	0.47 U	2.4	1000	3.111	00000
MW-5B         1/1912         0.47 U         2.61         1800         3.1 U           MW-5B         7/17/11         0.47 U         2.31         390         3.1 U           3/17/11         0.47 U         2.31         390         3.1 U           1/19/12         0.47 U         2.31         390         3.1 U           1/19/12         0.47 U         2.31         390         3.1 U           7/19/12         0.47 U         1.1 U         860         3.1 U           7/19/12         0.47 U         1.1 U         850         3.1 U           7/24/12         0.47 U         1.1 U         840         3.1 U           7/24/12         0.47 U         1.1 U         840         3.1 U           7/24/12         0.47 U         1.1 U         840         3.1 U           7/17/11         0.47 U         1.1 U         980         3.1 U           7/24/12         0.47 U         1.1 U         980         3.1 U           7/24/12         0.47 U         1.1 U         980         3.1 U           7/24/12         0.47 U         1.1 U         5300         3.1 U           7/24/12         0.47 U         1.1 U         5300         <	MW.4B	7/11/11	0.47 U	16.6	1200	3411	00000
MW-5B         7/20/12         1.0 U         3.0 I         1300         3.1 U           MW-5B         3/1/11         0.47 U         2.5 I         390         3.1 U           7/11/11         0.47 U         2.3 I         430         3.1 U           7/19/12         0.47 U         1.9 I         360         3.1 U           7/19/12         0.47 U         1.1 U         850         3.1 U           7/19/12         0.47 U         1.1 U         670         3.1 U           7/19/12         0.47 U         1.1 U         670         3.1 U           7/19/13         0.47 U         1.1 U         670         3.1 U           7/11/11         0.47 U         1.1 U         670         3.1 U           7/11/11         0.47 U         1.1 U         670         3.1 U           7/11/11         0.47 U         1.1 U         630         3.1 U           7/11/11         0.47 U         1.1 U         630         3.1 U           7/13/11         0.47 U         1.1 U         630         3.1 U           7/13/11         0.47 U         1.1 U         630         3.1 U           7/13/11         0.47 U         1.1 U         630		1/19/12	0.4711	190	1000	O T O	00006
MW-5B         3/17/11         0.47 U         2.31         1300         2.0 U           MW-6B         7/14/11         0.47 U         2.31         430         3.1 U           7/19/12         1.0 U         2.0 U         340         3.1 U           7/19/12         1.0 U         2.0 U         340         3.1 U           7/19/12         1.0 U         2.0 U         340         3.1 U           7/19/12         0.47 U         1.1 U         860         3.1 U           7/19/12         0.47 U         1.1 U         740 V         3.1 U           7/24/12         1.0 U         2.0 U         670         3.1 U           7/24/12         1.0 U         2.0 U         670         3.1 U           7/24/12         1.0 U         2.0 U         670         3.1 U           7/14/11         0.47 U         1.1 U         960         3.1 U           7/14/12         0.47 U         1.1 U         5700         3.1 U           8/24/12         1.0 U         2.0 U         3.1 U         3.1 U           7/25/12         1.0 U/**1.0 U         2.0 U         3.0 U         3.1 U           MW-14B         8/29/12         1.0 U/***1.0 U	ate.	7/90/19	10.7	10.3	0001	3.10	97000
1/19/12		0/42/44	00.7	3.0	1300	2.0 U	00096
7/11/11         0.47 U         2.31         430         3.1 U           7/19/12         0.47 U         1.91         340         3.1 U           7/19/12         0.47 U         1.1 U         850         3.1 U           7/12/11         0.47 U         1.1 U         860         3.1 U           2/21/12         0.47 U         1.1 U         840         3.1 U           7/24/12         0.47 U         1.1 U         840         3.1 U           2/27/12         0.47 U         1.1 U         840         3.1 U           2/27/12         0.47 U         1.1 U         840         3.1 U           2/27/12         0.47 U         1.1 U         530         3.1 U           2/27/12         0.47 U         1.1 U         530         3.1 U           2/27/12         0.47 U         1.1 U         530         3.1 U           2/3/12         0.47 U         1.1 U         530         3.1 U           2/3/12         1.0 U/***10 U         *44/**6.91         *3400/***24         *500           2/3/12         1.0 U/***10 U         *44/**6.91         *340         3.1 U           2/2/12         1.0 U/****10 U         *44/***6.91         *340 <td< td=""><td></td><td>3/1//13</td><td>0.47 U</td><td>2.5</td><td>390</td><td>3.10</td><td>35000</td></td<>		3/1//13	0.47 U	2.5	390	3.10	35000
1/8/12   0.47 U   1.91   360   3.1 U   1.9 U   340   2.0 U   340   3.1 U   3.2 U   3.2 U   3.2 U   3.2 U   3.2 U   3.2 U   3.1 U   3.2 U   3.1 U   3.2 U   3.1 U   3.2 U   3.1 U   3.1 U   3.2 U   3.1 U   3.1 U   3.2 U   3.1 U   3.2 U   3.2 U   3.1 U   3.2 U   3	MW-5B	7/11/11	0.47 U	2.31	430	3.111	34000
7/1912         1,0 U         2,0 U         340         2,1 U           3223/11         0,47 U         1,1 U         850         3.1 U           7/12/11         0,47 U         1,1 U         670         3.1 U           2/21/2         0,47 U         1,1 U         670         2.0 U           2/21/2         0,47 U         1,1 U         840         3.1 U           7/11/11         0,47 U         1,1 U         980         3.1 U           7/24/12         0,47 U         1,1 U         980         3.1 U           7/24/12         0,47 U         1,1 U         530         3.1 U           7/34/1         0,47 U         1,1 U         530         3.1 U           7/34/1         0,47 U         1,1 U         5500         3.1 U           7/34/1         0,47 U         1,1 U         550         2.0 I           8/29/12         1,0 U/***1,0 U         *44/***6.9 I         *340         5.3 I           7/25/12         1,0 U/****1,1 U         *44/***6.9 I         *31 U           8/29/12         1,0 U/****1,1 U         *44/***6.9 I         *31 U           7/6/11         0,47 U         1,1 U         440         5.3           7		1/19/12	0.47 U	161	350	17.0	000+6
3/23/11         0.47 U         1.10         850         3.10           2/24/12         0.47 U         1.10         850         3.10           2/24/12         0.47 U         1.10         670         3.10           3/17/11         0.47 U         1.10         840         3.10           3/17/11         0.47 U         1.10         840         3.10           2/24/12         0.47 U         1.10         840         3.10           2/24/12         0.47 U         1.10         5300         3.10           2/24/12         0.47 U         1.10         5300         3.10           2/34/13         0.47 U         1.10         5300         3.10           2/34/13         0.47 U         1.11         4700 V         3.10           2/34/12         0.47 U         1.11         4700 V         3.10           2/34/12         1.0 U/***10 U         *44/**6.91         *3400 /***31         14/***4.71           8/29/12         *1.0 U/***10 U         *44/***6.91         *3400 /****31         *31 U           7/6/11         0.47 U         1.10         440         5.3           7/14/12         0.47 U         1.10         440         5.3		7/19/12	1.01	1106	340	0.10	34000
7/12/11         0.47 U         1.1 U         780 U         3.1 U           22/12         0.47 U         1.1 U         670         3.1 U           7/24/12         0.47 U         1.1 U         670         3.1 U           3/17/11         0.47 U         1.1 U         840         3.1 U           7/11/11         0.47 U         1.1 U         840         3.1 U           7/24/12         0.47 U         1.1 U         890         3.1 U           7/24/12         0.47 U         1.1 U         5300         3.1 U           7/24/12         0.47 U         1.1 U         5300         3.1 U           7/73/11         0.47 U         1.1 U         5300         3.1 U           2/3/12         0.47 U         1.1 U         5300         3.1 U           7/25/12         0.47 U         1.1 U         5300         3.1 U           7/25/12         1.0 U/**1,0 U         *44/**6.91         *3400/**321         *15/**4.11           8/29/12         *1.0 U/**1,0 U         *44/**6.91         *340         *3.1 U           7/1/12         0.47 U         1.1 U         440         5.3           7/1/11         0.47 U         1.1 U         440		3/23/11	11 470		Oto	2.0 0	31000
2/2/12         0.447 U         1.1 U         740 V         3.1 U           7/24/12         0.447 U         1.1 U         670         3.1 U           7/24/12         1.0 U         2.0 U         670         2.0 U           2/21/2         0.47 U         1.1 U         840         3.1 U           7/11/11         0.47 U         1.1 U         980         3.1 U           7/24/12         0.47 U         1.1 U         5300         3.1 U           7/13/11         0.47 U         1.1 U         5300         3.1 U           7/13/11         0.47 U         1.1 U         5500         3.1 U           2/3/12         0.47 U         1.1 U         5500         3.1 U           7/25/12         1.0 U/***1,0 U         *44/***6.9         *3400/***9.1         *10           8/29/12         *1.0 U/***1,0 U         *44/***6.9         *3400/***9.1         *14/**4.7           7/25/12         *0.0 U         *1.1 U         *3500         *3.1 U           7/20/12         *1.0 U/****1,0 U         *44/***6.9         *14/***4.7         *31.U           7/20/12         *1.0 U/*****1,1 U         *31.U         *31.U         *31.U           7/20/12         *1.0 U		7/49/44	0.550		850	3.1 U	4200
2/2/1/2         0.47 U         1.1 U         670         3.1 U           7/24/1/2         1.0 U         2.0 U         840         3.1 U           3/17/1/1         0.47 U         1.1 U         840         3.1 U           2/2/1/2         0.47 U         1.1 U         840         3.1 U           2/2/1/2         0.47 U         1.1 U         5300         3.1 U           7/24/1         0.47 U         1.1 U         5300         3.1 U           2/3/12         0.47 U         1.1 U         5300         3.1 U           2/3/12         0.47 U         1.3 I         4700 V         3.1 U           2/3/12         1.0 U/**1,0 U         2.0 U         3500         3.1 U           8/29/12         1.0 U/**1,0 U         44/**6,9 I         *3400/**9 I         *15/**4,1 I           8/29/12         1.0 U/**1,0 U         44/**6,9 I         *3400/**9 I         *14/**4,7 I           7/6/11         0.47 U         1.1 U         440         5.3           7/20/12         0.47 U         1.1 U         440         5.3           3/18/11         0.47 U         1.1 U         220         3.1 U           7/1/1/1         0.47 U         1.1 U         220	MW-6B	07/0/0	0.47.0	01.1	740 V	3.1 U	4200
7/24/12         1.0 U         2.0 U         670         2.0 U           3/17/11         0.47 U         1.1 U         840         3.1 U           7/11/11         0.47 U         1.1 U         980         3.1 U           7/12/12         0.47 U         1.1 U         530         3.1 U           7/13/11         0.47 U         1.1 U         570         3.1 U           7/13/12         0.47 U         1.3 I         4700 V         3.1 U           7/13/12         0.47 U         1.3 I         4700 V         3.1 U           7/13/12         0.47 U         1.3 I         4700 V         3.1 U           8/29/12         1.0 U/**1,0 U         *44/**6.9 I         *3400/**92 I         *15/**4.1 I           8/29/12         1.0 U/**1,0 U         *44/**6.9 I         *14/**4.7 I         *11/**4.7 I           7/6/11         0.47 U         1.1 U         3.1 U         *3.1 U           7/6/11         0.47 U         1.1 U         440         5.3           7/11/11         0.47 U         1.1 U         2.0 U         3.1 U           7/11/11         0.47 U         1.1 U         2.0 U         3.1 U           7/10/12         0.47 U         1.1 U		21.575	0.47 U	1.10	670	3.10	4100
317/11         0.47 U         11 U         840         3.1 U           22/12         0.47 U         1.1 U         980         3.1 U           22/12         0.47 U         1.1 U         980         3.1 U           7/24/12         1.0 U         2.0 U         1000         2.2 I           3/24/11         0.47 U         1.1 U         5300         3.1 U           2/3/2         0.47 U         1.1 U         5300         3.1 U           2/3/2         0.47 U         1.3 U         4700 V         3.1 U           2/3/2         0.47 U         1.3 U         44/1.6 g)         1.4 / 7.4 7 I           8/29/12         1.0 U/**1,0 U         *44/**6 g)         *3400/**92 I         *14/**4.7 I           3/18/1         0.47 U         1.1 U         440         5.3           7/1/12         0.47 U         1.1 U         440         5.3           7/1/11         0.47 U         1.1 U         2.0 U         3.1 U		//24/12	1.0 U	2.0 U	029	100	4300
7/11/11         0.47 U         1.1 U         100         3.1 U           22/12         0.47 U         1.1 U         980         3.1 U           7/24/12         1.0 U         2.0 U         1.00         3.1 U           3/24/12         0.47 U         1.1 U         5300         3.1 U           2/3/12         0.47 U         1.1 U         5700         3.1 U           2/3/12         0.47 U         1.1 U         5700         3.1 U           7/25/12         1.0 U         2.0 U         3500         3.1 U           8/29/12         1.0 U/**1,0 U         *44/**6.91         *3400/**321         *15/**4.11           8/29/12         1.0 U/**1,0 U         *43/**24         *6000/***1801         *14/***4.71           7/6/11         0.47 U         1.1 U         440         5.3           7/20/12         0.47 U         1.1 U         440         5.3           7/1/11         0.47 U         1.1 U         440         5.3           7/1/11         0.47 U         1.1 U         220         3.1 U           7/10/11         0.47 U         1.1 U         220         3.1 U           1/10/12         0.47 U         1.1 U         220 <td< td=""><td>-</td><td>3/17/11</td><td>0.47 U</td><td>1113</td><td>840</td><td>12 + 6</td><td>0000</td></td<>	-	3/17/11	0.47 U	1113	840	12 + 6	0000
2/2/12         0.47 U         1.1 U         980         3.1 U           3/24/12         1.0 U         2.0 U         1000         2.2 I           3/24/13         0.47 U         1.1 U         5300         3.1 U           3/34/1         0.47 U         1.1 U         5700         3.1 U           2/312         0.47 U         1.3 I         4700 V         3.1 U           3/342         1.0 U         2.0 U         3500         2.0 I           8/29/12         1.1 U /1.1 U         44/1.6.9 I         1.3400/1.32 I         1.15/1.4.1 I           8/29/12         1.0 U/1.1 U         43/1.24         1.6000/1.32 I         1.14/1.4.7 I           3/18/1         0.47 U         1.1 U         33 V         3.1 U           7/2         3/18/1         0.47 U         1.1 U         440         5.3           7/11/1         0.47 U         1.1 U         440         5.3           7/11/1         0.47 U         1.1 U         220         3.1 U           7/10/12         0.47 U         1.1 U         220         3.1 U           7/10/12         0.47 U         1.1 U         220         3.1 U           7/10/12         0.47 U         1.1 U	MAN 70	7/11/11	0.47 U	1111	1000	0.70	0096
7/24/12         1.0         2.0         100         2.2           3/24/11         0.47 U         1.1 U         5300         3.1 U           3/24/11         0.47 U         1.1 U         5300         3.1 U           2/3/12         0.47 U         1.3 I         4700 V         3.1 U           2/3/12         0.47 U         1.3 I         4700 V         3.1 U           7/25/12         1.0 U         2.0 U         3500         2.0 I           8/29/12         1.0 U/**1.0 U         *44/**6.9 I         *3400/**92 I         *15/**4.1 I           8/29/12         1.0 U/**1.0 U         *43/**24         *6000/***180 I         *14/**4.7 I           7/6/11         0.47 U         1.1 U         33 IV         5.3           2/1/12         0.47 U         1.1 U         440         5.3           2/1/12         0.47 U         1.1 U         440         5.3           3/18/11         0.47 U         1.1 U         440         5.3           7/1/1/1         0.47 U         1.1 U         220         3.1 U           1/30/12         0.47 U         1.1 U         220         3.1 U           1/10/12         0.47 U         1.1 U         3.1 U	O /- AANA	2/2/12	0.4711		2001	3.10	2600
3/24/12		7/94/40	0 / 7	01.10	980	3.1 U	5300
110   5300   3.10   3.10   3.10   3.10   3.10   3.10   3.11   3.11   3.10   3		21/42//	0.00	2.0 U	1000	2.2	5200
110   5700   3.1 U   3.1 U   5700   3.1 U   5.2 U   3.2 U		3/24/11	0.47 U	1.10	5300	3.10	76000
2/3/12         0.47 U         1.31         4700 V         3.1 U           7/25/12         1.0 U         2.0 U         3500         2.0 I           8/29/12         '1.0 U/'''1.0 U         '44/''.69 I         '3400/''32 I         '15/''4.1 I           8/29/12         '1.0 U/'''1.0 U         '43/''24         '6000/'''180 I         '14/'''4.7 I           3/18/11         0.47 U         1.1 U         33 V         31 U           7/20/12         0.47 U         1.1 U         440         5.3           7/20/12         0.47 U         1.1 U         440         5.3           7/11/11         0.47 U         1.1 U         440         5.3           7/11/11         0.47 U         1.1 U         220 U         3.1 U           7/11/11         0.47 U         1.1 U         220 U         3.1 U           7/10/12         0.47 U         1.1 U         220 U         3.1 U           7/10/12         0.47 U         1.1 U         220 U         3.1 U	MW-14B	7/13/11	0.47 U	1.10	5700	2411	00000
7/25/12         1.0 U         2.0 U         3500         5.1 U           8/29/12         *1.0 U/***1.0 U         *44/**6.91         *3400/***921         *15/**4.11           8/29/12         *1.0 U/***1.0 U         *44/***6.91         *14/***4.71           3/18/11         0.47 U         1.1 U         72         3.1 U           7/6/11         0.47 U         1.1 U         440         5.3           7/20/12         0.47 U         1.1 U         440         5.3           3/18/11         0.47 U         1.1 U         440         5.3           7/1/11         0.47 U         1.1 U         2.0 U         3.1 U           7/1/11         0.47 U         1.1 U         2.0 U         3.1 U           1/10/12         0.47 U         1.1 U         2.0 U         3.1 U           1/30/12         0.47 U         1.1 U         2.20         3.1 U           1/30/12         0.47 U         1.1 U         2.20         3.1 U	2	2/3/12	0.47 U	131	4700 V	5 5	94000
8/29/12 1.0.01/**1.0.0 *44/**6.91 *3400/**921 *15/**4.11  8/29/12 1.0.01/**1.0.0 *43/**24 *6000/**1801 *14/**4.71  3/18/11 0.47 U 1.1 U 33 IV 3.1 U  7/20/12 0.47 U 1.1 U 440 5.3  7/20/12 1.0.0 5.0 5.0  3/18/11 0.47 U 1.1 U 2200 3.1 U  7/11/11 0.47 U 1.1 U 2200 3.1 U		7/25/12	1101	9011	2000	20.00	/4000
8/29/12         *1.0 U/**1.0 U         *44/**6.91         *3400/**921         *15/**4.11           8/29/12         *1.0 U/**1.0 U         *43/**24         *6000/**1801         *14/**4.71           3/18/11         0.47 U         1.1 U         33 V         3.1 U           7/6/11         0.47 U         1.1 U         440         5.3           7/20/12         0.47 U         1.1 U         440         5.3           7/20/12         1.0 U         2.0 U         5.3         2.0 U           7/11/11         0.47 U         1.1 U         2200         3.1 U           7/10/12         0.47 U         1.1 U         2200         3.1 U           7/10/12         0.47 U         1.1 U         2200         3.1 U	100				2000	2.01	26000
8/29/12         *1,00/**********************************	MW-198	8/90/10	*** 011/***				
8/28/12         *1.0 U/**1.0 U         *43/**24         *6000/**1801         *14/**4.71           3/18/11         0.47 U         1.1 U         72         3.1 U           7/8/11         0.47 U         1.1 U         33 V         3.1 U           2/1/12         0.47 U         1.1 U         440         5.3           7/20/12         1.0 U         2.0 U         5.3           3/18/11         0.47 U         1.1 U         2.0 U           7/11/11         0.47 U         1.1 U         2200         3.1 U           7/10/12         0.47 U         1.1 U         2200         3.1 U           7/00/12         0.47 U         1.1 U         2200         3.1 U			0000	44/ 0.9	3400/"92	*15/**4.11	*190000 / **190000
3/18/11   0.47 U   1.1 U   72   3.1 U   1.4 \trace{4.77}   1.1 U   72   3.1 U   1.4 \trace{4.77}   1.1 U   72   3.1 U   1.4 \trace{4.77}   1.1 U   72   3.1 U   1.4 U   1.4 U   3.1	MW-20B	C+700/0					
110   72   310		21/22/0	001/001.	*43/**24	*6000/**180!	14/**4.71	*64000 / **140000
2/1/12         0.47 U         1.1 U         33 W         3.1 U           2/1/12         0.47 U         1.1 U         440         5.3           7/20/12         1.0 U         2.0 U         510         2.0 U           3/18/11         0.47 U         1.1 U         1200         3.1 U           7/11/11         0.47 U         1.1 U         2200         3.1 U           1/30/12         0.47 U         1.1 U         2200         3.1 U		3/18/11	0.47 U	1.10	72	3.10	14000
21/12         0.47 U         1.1 U         440         5.3           7/20/12         1.0 U         2.0 U         510         2.0 U           3/18/11         0.47 U         1.1 U         1200         3.1 U           7/11/11         0.47 U         1.1 U         2200         3.1 U           1/30/12         0.47 U         1.1 U         200         3.1 U	MW-3C	11/9//	0.47 U	.±.	33 IV	3 1 11	14000
7/20/12         1.0 U         2.0 U         510         2.0 U           3/18/11         0.47 U         1.1 U         1200         3.1 U           7/11/11         0.47 U         1.1 U         2200         3.1 U           7/30/12         0.47 U         1.1 U         2200         3.1 U           7/20/12         1.1 U         510         3.1 U	}	2/1/12	0.47 U	1.10	440	0 4	00041
3/18/11 0.47 U 1.1 1200 3.1 U 1200 3.1 U 1200 3.1 U 1.1 U 1.		7/20/12	1,01	1106	610	2.00	009+
7/1/11 0.47 U 1.1		3/18/11	0.4711	+ + + 1	2007	2.0.0	5200
1/30/12 0.47 1.10 <b>2200</b> 3.1U		7/11/11	0.4711		0021	3.10	29000
3.10	MW-4-4	1/30/19	2 1 1 2 2	0 :	2200	3.1 U	39000
		71 000	0 74.0	01.1	510	3.10	0099

Notes:

FDEP - Florida Department of Environmental Protection GCTLs - Groundwater Cleanup Target Levels mgt. - Militgrams per Liter 1ygt. - Micrograms per Liter N. - Not Listed NS - Not Sampled (Weil Damaged)

U - analyte not detected above laboratory method detection limit I - result between laboratory method detection limit and laboratory V - analyte detected in laboratory blank BDL - analytes not detected above laboratory method detection limit Bolded enthes indicate an exceedance of a regulatory level - Total Recoverable

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

The color of the			·				Conditing as Cacco	3	3
EPA Minor         High distantiped         390         33.2         3.01         25.40           EPA Minor         6.4.86         390         33.2         3.01         25.40         5.00           Sampling Date         6.4.86         370         100 CMYU         0.084         2.8         5.0           ST2711         4.80         7.1         0.004/U         0.084         2.8         5.0           20.2412         4.82         7.1         0.004/U         0.084         2.8         5.0           20.2412         4.82         7.1         0.004/U         0.084         2.0         7.7           20.2412         4.82         7.1         0.004/U         0.084         2.00         7.70           20.2412         4.82         7.1         0.004/U         2.80         6.00         7.70           20.172         6.44         2.00         0.004/U         2.80         6.00         7.70           20.172         6.54         1.20         0.004/U         2.80         6.00         7.70           20.172         6.54         1.20         0.004/U         2.80         6.00         7.70           20.172         6.54         1.20		Cuit	S.U.	mg/L	ma/L	ma/l	l/om	B source	
Properties   65-85   250   10   28   11   11   12   12   12   13   13   14   14   14   14   14   14		EPA Method	field sampled	300	353.2	350.1	1010	OF SOC	mg/L
Sazzirio Los         544         67.7         COGATU         6.19         5.4         47.7           7/12/11         4.91         6.7         0.004/U         0.590         2.8         57.0           7/12/11         4.92         7.1         0.004/U         0.590         5.8         57.0           2/2/12         4.92         7.1         0.004/U         0.590         5.8         58.7           2/2/12         4.92         7.1         0.004/U         0.590         5.8         5.8           2/2/12         4.92         7.1         0.004/U         0.054         5.00         1.1           2/2/12         6.15         7.0         0.004/U         0.054         5.0         6.0           2/1/2         7.0         0.004/U         6.5         7.0         1.1         <		FDEP GCTLs	6.5-8.5	250	C.F	0.00	20.5	Z340C	5310C
2025/11         584         87         0.004/1         0.136         54         47           7/22/12         4.82         13.9         0.004/1         0.136         5.8         5.8           7/22/12         4.82         7.1         0.004/1         0.036         5.8         5.8           7/22/12         4.82         7.1         0.004/1         5.00         1.1         1.4           7/22/12         6.4         5.0         0.024/1         38.00         61.00         7.70           7/22/12         6.5         1.150         0.024/1         38.00         61.00         7.70           7/22/12         6.5         1.150         0.024/1         38.00         61.00         7.70           7/22/12         6.2         1.150         0.024/1         38.00         7.00         7.70           7/22/12         6.2         1.150         0.024/1         3.00         7.00         7.70           7/22/12         6.2         1.150         0.024/1         3.00         7.00         7.70           7/22/12         6.2         1.150         0.024/1         3.00         7.00         7.70           7/22/12         6.2         1.150	Well	Sampling Date				2.8	ž	500	ž
7/12/11         4.97         1.0         0.00471         0.150         5.4         4.7           2/21/21         4.92         9.1         0.00474         0.150         5.4         4.7           7/22/12         4.92         7.1         0.00474         0.040         5.0         77.0           7/12/12         6.15         5.0         0.0474         3.6,000         67.00         77.0           7/12/12         6.21         5.00         0.0474         36,000         67.00         77.0           7/12/12         6.51         7.00         0.0474         36,000         67.00         77.0           7/12/12         6.51         7.00         0.0474         36,000         67.00         77.0           7/12/12         6.52         110.0         0.0447         36,000         67.00         77.0           7/12/12         6.52         110.0         0.0047         1.00         720.0         720.0           7/12/12         6.51         110.0         0.0047         1.00         720.0         720.0           7/12/12         6.51         110.0         0.0047         1.00         720.0         720.0           7/12/12         6.52		3/23/11	5.84	10	13 12 00 0				
20212         432         510         0.0340         0.540         5.8         5.8           7/2112         432         7.1         0.0340         0.540         5.8         37           7/211         432         7.1         0.0341         5.200         6.00         1.4           7/211         432         7.7         0.0041         5.000         6.00         1.4           7/211         6.1         2.00         0.0241         32.000         6.00         7.70           7/211         6.1         2.00         0.0241         5.00         6.00         1.20           7/211         6.5         1.100         0.0041         6.00         5.00         1.20           7/2211         6.5         1.100         0.0041         6.00         5.00         1.20           7/2212         6.5         1.100         0.0041         6.00         7.00         1.00           7/2212         6.5         1.100         0.0041         1.00         7.00         1.00           7/2212         6.5         1.100         0.0041         1.00         7.00         1.00           7/2212         6.5         1.00         0.0041         1.		7/12/11	4 01	000	0.0047 0	0.130	5.4	47	L
27/2012         4,994         91         0.0356         0.024         5.3         3.7           7/2012         4,992         7.1         0.0241         32,000         6700         770           7/12         37.0         0.0241         32,000         6700         770           7/12         50.0         0.0241         38,000         6700         770           7/12         6.51         120.0         0.0320         38,000         6700         770           7/23/12         6.54         110.0         0.0320         65.000         520.0         1200           7/23/12         6.59         110.0         0.0320         65.000         520.0         1200           7/23/12         6.59         110.0         0.0320         52.000         52.0         1200           7/23/12         6.50         110.0         0.0347         7.000         7.00         7.00           7/23/12         6.50         10.00         0.0247         7.000         7.00         7.00           7/23/12         6.50         10.00         0.0247         7.000         7.00         7.00           7/23/12         6.50         15.0         0.0047         7.00 </td <td>BW-1A</td> <td>2/2/40</td> <td>16.5</td> <td>13.0</td> <td>0.0047</td> <td>0.580</td> <td>2.8</td> <td>58</td> <td>13</td>	BW-1A	2/2/40	16.5	13.0	0.0047	0.580	2.8	58	13
3.17.21.1         4.82         7.1         0.0047 U         0.0084         2000         770           2.17.21.1         6.44         37.0         0.0047 U         32.000         6.010         7730           2.17.21.1         6.45         30.0         0.0047 U         32.000         6.010         7730           2.17.21.1         6.45         12.0         0.0047 U         96.000         96.00         770           2.17.23.12         6.54         112.0         0.0047 U         96.000         56.00         1200           3.22.12         6.50         110.0         0.0047 U         96.000         770         1200           3.22.12         6.50         110.0         0.0047 U         96.000         770         1200           3.22.12         6.50         100.0         0.0044 U         75.000         470         120           3.22.12         6.50         80.0         0.0044 U         75.000         470         420           3.72.12         6.50         80.0         0.0047 U         17.000         470         420           3.72.12         6.50         46.0         0.0047 U         14.00         77.00         420           3.72.11		21/2/2	4.92	9.1	0.036	0.240	5.3	37	8.8
27/17/1         7/12         57/0         0.0241         32,000         67/0         770           27/17/1         6.451         50/0         0.130         98,000         67/0         730           27/17/2         6.51         1200         0.00991         65,000         65,000         730           7/23/17         6.59         1100         0.00991         65,000         65,00         1200           7/23/12         6.20         1100         0.0057U         20,00         740         650           7/23/12         6.20         1100         0.0057U         65,000         6200         750           7/23/12         6.20         1100         0.0057U         65,000         700         750           7/23/12         6.20         1100         0.0057U         700         700         700           7/23/12         6.20         1000         0.0047U         700         700         700           7/23/12         6.40         1500         0.0047U         17,000         2700         350           7/23/12         6.40         1500         0.0047U         17,000         2700         350           7/11/11         6.40         1500<		21/42//	4.92	7.1	0.0047 U	0.084	200.0	14	0.0
7/17/211         64.6         50.0         0.0047U         38.000         610.0         730           7/17/21         6.54         120.0         0.0047U         95.000         510.0         1720           7/27/12         6.54         120.0         0.0047U         95.000         56.0         1000           7/27/12         6.26         110.0         0.0047U         95.000         740.0         1000           1/20/12         6.27         110.0         0.0047U         92.000         740.0         150.0           1/20/12         6.28         110.0         0.0047U         92.000         740.0         150.0           1/20/12         6.59         370.0         0.0047U         150.00         450.0         150.0           1/20/12         6.50         150.0         0.0047U         160.00         470.0         180.0           1/20/12         5.90         150.0         0.0047U         17.00         420.0         420.0           1/20/12         5.90         14.0         0.0047U         17.00         420.0         420.0           1/20/12         5.90         14.0         0.0047U         17.00         420.0         420.0           1/1/11 <td></td> <td>3/1//11</td> <td>7.12</td> <td>37.0</td> <td>0.024</td> <td>32.000</td> <td>670.0</td> <td>77.0</td> <td>2.0</td>		3/1//11	7.12	37.0	0.024	32.000	670.0	77.0	2.0
21/11/2         6.51         23.00         0.130         86.000         50.00         1.70           3/23/11         6.94         110.0         0.0047 U         86.000         54.0         1000           3/23/11         6.96         110.0         0.0043 U         82.000         740.0         639           1/30/12         6.20         110.0         0.0044 U         82.000         740.0         639           1/30/12         6.21         100.0         0.0044 U         700.0         700.0         760.0           1/30/12         6.23         110.0         0.0044 U         700.0         700.0         700.0           1/30/12         6.30         36.0         100.0         120.0         700.0         700.0           1/30/12         6.36         370         0.0044 U         170.0         480.0         700           1/30/12         6.36         170         0.0047 U         170.00         170.0         420           1/30/12         6.46         15.0         0.0044 U         17.000         170.0         420           1/30/12         6.10         4.0         0.0044 U         17.000         170.0         420           1/11/11	MW-1A	7/12/11	6.45	50.0	0.004711	39 000	0000	077	4.1
7/29/12         6 654         120.0         0.009/17         65.00         540.0         1700           7/29/12         6.65         110.0         0.00391         85.00         620.0         150.0           7/20/12         6.27         110.0         0.0034         76.00         740.0         630           7/20/12         6.27         110.0         0.0047         76.00         740.0         750           7/20/12         6.51         110.0         0.0047         150.00         450.0         750           7/20/12         6.50         37.0         0.0047         150.00         470.0         250           7/20/12         6.50         460.0         470.0         250         250           7/20/12         6.50         170         0.0047         1700         470         250           7/20/12         6.50         170         0.0047         1700         470         350           7/20/12         6.50         170         0.0047         1.400         380         460           7/11/11         6.50         170         0.0047         1.400         370         470           7/20/12         6.91         1.40         0.0047 <td></td> <td>2/1/12</td> <td>6.51</td> <td>230.0</td> <td>0.130</td> <td>000 200</td> <td>0.010</td> <td>(30</td> <td>89</td>		2/1/12	6.51	230.0	0.130	000 200	0.010	(30	89
32311         6.56         17.00         0.0047 U         85.00         6240         1000           17671         6.22         11600         0.0047 U         82.00         7400         690           17671         6.22         11600         0.0047 U         82.00         7200         780           17671         6.53         11000         0.0041         7500         7200         780           173012         6.59         3700         0.0041         7500         480         280           173012         6.59         4800         0.0053         12000         470         940           173012         5.59         4800         0.0053         12000         470         100           173012         5.80         150         0.0041         1200         220         480           17111         6.90         150         0.0041         1200         480         40           17111         6.90         150         0.0041         1200         270         480           17111         6.90         150         0.0041         1200         270         480           17111         6.90         170         2.004         4	······································	7/23/12	6.54	120.0	00000	90.000	0.086	1200	110
7/6/11         6.20         11/10         0.004801         82.000         740.0         620           7/6/11         6.20         110.0         0.0044         82.000         740.0         680           7/2/11         6.31         110.0         0.0047         75.000         700         750           7/2/11         6.31         100.0         0.0047         1.0000         700         720           7/2/11         6.36         370.0         0.0047         1.0000         460.0         420           7/2/11         6.36         170.0         0.0047         1.0000         460.0         420           7/2/11         6.36         140.0         0.0047         1.0000         460.0         460           7/2/11         6.36         140.0         0.0047         1.0000         350         450           7/11/11         6.36         140.0         0.0047         1.000         350         450           7/11/11         6.36         140.0         0.0047         1.2000         350         450           7/11/11         6.36         140.0         0.0047         1.2000         350         450           7/11/11         6.36         1.00		3/93/11	90 0	0.021	U.0047 U	65.000	540.0	1000	99
1/3011   5.29   1/10   0.0047 U 92.000   740 0 880     1/3012   6.22   1/10 0   0.0044   90.000   770 0     3/18/11   6.50   8.70   0.0047 U 100.000   470 0   280     3/18/11   6.50   8.70   0.0047 U 100.000   470 0   280     3/18/11   6.40   1/50   0.0047 U 100.000   470 0   280     3/18/11   6.40   1/50   0.0047 U 10.000   1/20   3/5     3/18/11   6.40   1/50   0.0047 U 1/400   3/10   4/20     3/18/11   6.40   1/4 0   0.0047 U 1/400   3/10   4/20     3/18/11   6.30   1/4 0   0.0047 U 1/400   3/10   4/20     3/18/11   6.30   1/4 0   0.0047 U 1/400   3/20   4/20     3/18/11   6.30   5.2   0.0047 U 1/400   3/20   4/20     3/18/11   6.30   5.2   0.0047 U 1/400   3/20   4/20     3/18/11   6.30   4/3   0.0047 U 1/400   2/20   3/20     3/18/11   6.30   4/3   0.0047 U 1/400   3/20   4/20     3/18/11   6.30   4/3   0.0047 U 1/400   2/20   3/20     3/18/11   6.30   4/3   0.0047 U 1/400   2/20   3/20     3/18/11   6.30   4/3   0.0047 U 1/400   2/20     3/18/11   6.30   4/3   0.0047 U 1/400   2/20   3/20     3/18/11   6.30   4/3   0.0047 U 1/400   2/20   3/20     3/18/11   6.30   4/3   0.0047 U 1/400   3/20     3/18/11   4.22   3/10   0.0047 U 1/400   0/39 U     3/18/11   4.22   3/10   0.0047 U 1/400   3/30 U     3/18/11   4.22   3/10   0.0047 U 1/400   0/39 U     3/18/11   4.28   4.50   0.0047 U 1/400   3/30 U     3/18/11   4.28   4.50   0.0047 U 1/400		19035	0.30	110.0	0.00991	62.000	620.0	630	PR
7/23/12         6.22         110.0         0.034         90.00         7700         772           3/14/11         6.60         80.0         0.0047 U         16.000         480.0         280           3/14/11         6.60         80.0         0.0047 U         16.000         420         420           7/16/11         5.86         370         0.0047 U         17.000         420         420           7/20/12         5.80         150         0.0047 U         17.000         460.0         460           7/20/12         5.80         170         0.0047 U         17.000         270         350           1/19/12         5.80         170         0.0047 U         17.000         270         350           1/19/12         5.80         140         0.0047 U         17.000         270         460           1/19/12         5.80         140         0.0047 U         17.000         270         460           1/19/12         5.80         140         0.0047 U         17.000         280         420           1/19/12         5.80         4.4         0.0047 U         17.00         280         420           1/19/12         5.00         5.0	MW-2A	11/0//	6.20	150.0	0.0047 U	92.000	740 0	890	377
7/18/11   6.80   90.0   0.0047   75.000   450.0   250   250   270.0		1/30/12	6.22	110.0	0.034	000.00	2000	760	011
130/12   5.50   9.00   0.0047 U   6.500   4700   220   420		7/23/12	6.31	100.0	0.094	75 000	0.000	007	) )
130/12   5.96   370,0   0.0047 U   100,000   470,0   940   120/12   15.90   460,0   0.0047 U   170,00   470,0   940   150/12   15.90   150,0   0.0047 U   170,0   12		3/18/11	09:9	80.0	0.000711	2000	490.0	280	92
133/12   5.50   10.00   10.0000   4700   940		7/6/11	5 95	370.0	0.500.0	0.300	120.0	420	110
7/20/12         6.90         490,0         0.053         17,000         460,0         1000           3/18/11         6.46         150         0.001         17,000         120.0         370           3/18/11         6.46         150         0.001         7,400         270         370           7/20/12         6.98         14.0         0.0047         12,000         3100         460           7/17/11         6.90         14.0         0.0047         12,000         370         460           7/17/11         6.90         5.2         0.013         1,400         270         360           7/17/11         6.90         5.2         0.012         1,400         270         360           7/17/11         6.13         4.4         0.022         1,700         280         180           7/19/12         6.13         4.4         0.022         1,700         280         400           7/19/12         6.13         4.3         0.042         1,500         280         400           7/19/12         6.13         4.3         0.042         1,500         280         400           7/19/12         5.70         190         0.024	MW-3A	1/30/19	60.5	370.0	0.004 / U	100.000	470.0	940	150
7/2012         5.90         150 0         0.0047 U         17.000         120 0         350           7/11/11         5.36         17.0         0.0047 U         17.00         36.00         450           7/11/11         5.36         17.0         0.0047 U         2.900         310 0         420           7/20/12         6.01         5.2         0.0047 U         2.900         310 0         420           7/20/12         6.01         5.2         0.0047 U         2.900         310 0         420           7/11/11         6.02         5.3         0.0047 U         1.900         2400         380           7/11/12         6.13         4.4         0.0047 U         1.900         2400         380           7/11/12         6.13         4.4         0.0047 U         1.900         2400         390           7/13/12         6.5         1.900         0.0047 U         1.600         240         390           7/13/12         6.5         1.900         0.0047 U         1.600         240         390           7/13/11         6.5         1.900         0.0047 U         1.000         240         30           7/13/11         6.5		2007	0.90	460.0	0.053	120.000	460.0	1000	130
3/11/11         6.46         15.0         0.0027         7400         270.0         370           1/19/12         6.38         17.0         0.0047 U         14.000         360.0         460           1/19/12         6.39         14.0         0.0047 U         2.300         170.0         460           7/20/12         6.00         5.2         0.003         170.0         180         420           7/11/11         6.20         5.3         0.0047 U         2.300         170.0         180           7/11/11         6.20         5.3         0.0047 U         1.2000         290.0         350           1/19/12         6.13         4.4         0.022         1.700         290.0         350           1/19/12         6.5         14.0         0.022         1.700         290.0         350           7/19/12         6.5         140.0         0.022         1.700         240.0         350           7/19/12         6.5         140.0         0.022         1.700         240.0         350           7/19/12         5.72         140.0         0.022         24.000         250         40           7/25/12         5.72         140.0		7/20/12	5.90	150.0	0.0047 U	17.000	120.0	350	061
1/1912   5.88   17.0   0.0047 U   14,000   52.00   420     1/1912   5.89   17.0   0.0047 U   14,000   310.0   420     1/1912   5.89   14.0   0.0047 U   12,000   310.0   420     1/1913   6.90   5.2   0.0047 U   1.900   270.0   380     1/1914   6.90   5.2   0.0047 U   1.900   270.0   380     1/1915   6.13   4.4   0.0027   1.900   270.0   380     1/1912   6.13   4.4   0.0027   1.900   280.0   320     1/1913   6.29   140.0   0.0047 U   1.900   280.0   320     1/1914   6.29   140.0   0.0047 U   1.900   280.0   420     1/1915   6.13   1.00   0.0047 U   1.900   2.800   4.00     1/1915   6.13   1.00   0.0047 U   1.000   2.800   4.00     1/1915   6.13   1.00   0.0047 U   21.000   0.390 U   750     1/1914   6.29   490.0   0.0047 U   21.000   0.390 U   750     1/1915   6.13   1.00   0.0047 U   21.000   0.390 U   770     1/1915   6.13   1.00   0.0047 U   21.000   0.390 U   770     1/1915   6.13   1.00   0.0047 U   12.000   1.200   1.200     1/1915   6.13   1.000   1.200   1.200   1.200     1/1915   6.13   1.000   1.200   1.200   1.200     1/1915   6.13   1.000   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200     1/1915   6.10   1.200   1.200   1.200   1.200   1.200   1.200     1/1915   6.10   1.20		3/18/11	6.46	15.0	0.012	7 400	0.026	000	6/
1/1912   5.89	MW-44	7/11/11	5.98	17.0	0.004711	14 000	0.073	3/0	37
7/20/12         6,01         5.6         0.0047 U         12,000         310.0         420           347/71         6,20         5.2         0.0047 U         1,400         270.0         180           7/1/9/12         6,20         5.3         0.0047 U         1,400         270.0         380           7/1/9/12         6,13         4.4         0.0047 U         1,500         280.0         380           7/1/9/12         7.08         4.3         0.0047 U         1,600         280.0         420           7/1/9/12         6,65         140.0         0.0042         34.000         280.0         420           7/1/9/12         5,70         190.0         0.042         57.000         280.0         420           7/1/3/1         5,70         190.0         0.042         57.00         280.0         420           7/1/3/1         5,29         490.0         0.042         57.00         280.0         420           7/1/3/1         4,25         370.0         0.042         21.000         170.0         540           7/1/3/1         4,25         500.0         0.047         25.00         0.39 U         770           7/1/3/1         4,25		1/19/12	5.98	14.0	7500	000.41	300.0	460	\$4
317/11         6.90         5.2         0.0047 U (1974)         2.900         170.0         180           7/11/11         6.20         5.3         0.0047 U (1900)         270.0         280.0         380           7/11/11         6.20         5.3         0.0047 U (1900)         290.0         290.0         390           7/19/12         7.08         4.4         0.022         1.700         240.0         350           7/19/12         5.70         140.0         0.012         31.000         400         400           2/3/12         5.70         190.0         0.024         57.00         260.0         420           2/3/12         5.72         190.0         0.040         67.000         260.0         420           2/3/12         5.72         190.0         0.040         57.00         260.0         420           2/3/12         5.29         490.0         0.040         27.00         750         760           2/3/12         4.22         370.0         0.012         21.000         0.39 U         770           2/3/12         4.25         370.0         0.012         24.000         0.39 U         740           NS         NS         <		7/20/12	6.03	9	#1000	12.000	310.0	420	S
7/11/11         6.20         5.2         0.037         1.400         27.0         360           7/11/11         6.20         5.3         0.0047 U         1.900         290.0         360           1/19/12         6.13         4.4         0.022         1.700         240.0         350           1/19/12         6.13         4.4         0.022         1.700         240.0         350           3/23/11         6.65         1400         0.024         1.600         260.0         400           3/23/12         5.70         190.0         0.024         5.00         260.0         400           7/13/11         5.70         190.0         0.024         5.100         260.0         420           7/13/12         5.72         310.0         0.024         5.100         2.50         420           7/13/14         4.22         370.0         0.024         2.1000         0.39 U         5.0           7/13/14         4.22         370.0         0.094         2.500         0.39 U         5.0           7/23/12         4.30         4.00         0.004         2.000         0.39 U         5.0           8/24/12         5.50         0.004		3/17/11	909	0.0	U:0047 U	2.900	170.0	180	27
1/19/12         6,20         5,3         0,0047 U         1,900         290 O         390           7/19/12         7,08         4,4         0,0022         1,700         2400         350           7/19/12         7,08         4,3         0,0047 U         1,600         2600         400           7/19/13         5,70         1400         0,012         31,000         1900         420           7/13/14         5,72         310,0         0,0024         54,000         250.0         400           7/25/12         5,72         190.0         0,0047 U         21,000         1700         540           7/25/12         5,29         490.0         0,0047 U         21,000         0,39 U         770           7/13/14         4,22         370.0         0,012         25,000         540         770           7/25/12         4,30         480.0         0,004         25,000         5,00         740           NS         NS         NS         NS         NS         NS         NS           1/25/12         5,50         160.0         0,0047 U         12,000         5,0U         740           NS         NS         NS         NS </td <td></td> <td>7/11/11</td> <td>96.9</td> <td>2.6</td> <td>0.013</td> <td>1.400</td> <td>270.0</td> <td>360</td> <td>33</td>		7/11/11	96.9	2.6	0.013	1.400	270.0	360	33
7/19/12         5.03         4.4         0.022         1,700         240.0         350           3/23/11         6.65         14.3         0.0047 U         1,600         240.0         400           3/23/12         6.65         140.0         0.012         31.000         190.0         400           2/3/12         5.72         310.0         0.024         54.000         250.0         600           2/3/12         5.76         190.0         0.040         67.000         250.0         600           2/3/12         5.76         190.0         0.040         27.000         260.0         760           7/25/12         5.29         490.0         0.047         21.000         0.39 U         770           2/3/12         4.22         370.0         0.012         20.000         0.39 U         770           7/13/12         4.25         370.0         0.0047         24.000         0.39 U         770           NS         NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           1/20/12         5.50         17.000         170.0         170.0	MW-5A	1/40/40	0.40	5.3	0.0047 U	1.900	290.0	390	5.4
3/23/11         6.65         14.3         0.0047 U         1.600         260.0         4.00           7/13/11         6.70         190.0         0.012         31.000         260.0         4.00           7/13/11         6.70         190.0         0.024         51.000         260.0         4.20           7/13/12         5.76         190.0         0.024         57.000         260.0         760           7/25/12         5.78         190.0         0.040         67.000         260.0         760           7/25/12         5.29         490.0         0.042         21.000         170.0         540           7/25/12         4.22         370.0         0.042         21.000         0.39 U         770           7/25/12         4.25         500.0         0.047         24.000         0.39 U         770           NS         NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS           8/24/12		719012	6.13	4.4	0.022	1,700	240.0	350	**
3/23/11         6.65         1400         0.012         31.000         190.0         470           2/3/12         5.70         190.0         0.024         54.000         250.0         600           2/3/12         5.72         310.0         0.0047         21.000         1700         540           7/25/12         5.72         190.0         0.0047         21.000         1700         540           7/25/12         4.22         370.0         0.012         21.000         0.39 U         720           7/23/12         4.25         500.0         0.0047         24.000         0.39 U         770           7/25/12         4.30         480.0         0.0047 U         24.000         5.0 U         740           NS         NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           1/24/12         5.50         160.0         0.0047 U         12.000         140.0         5.0 U           8/24/12         5.50         160.0         0.0047 U         12.000         120.0         470           8/24/12         4.26         6.5         0.029         0.3		21/81//	7.08	4.3	0.0047 U	1,600	260.0	400	4.5
7/13/11         5,70         190.0         0.024         54,000         250.0         600           7/25/12         5,72         310.0         0.040         67,000         250.0         600           7/25/12         5,76         190.0         0.040         67,000         250.0         760           3/24/11         5,29         490.0         0.047 U         21,000         170.0         540           2/3/12         4,22         370.0         0.012         20,000         0.39 U         770           2/3/12         4,25         500.0         0.091         25,000         0.39 U         770           NS         NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           1/201         5,50         160.0         0.0047 U         12,000         140.0         6.0           8/24/12         5,50         160.0         0.0047 U         12,000         120.0         470           8/24/12         4,28         40.0         0.0047 U         12,000         5.0 U         100           8/24/12         4,28         40.0         0.0047 U         0.		3/23/11	6.65	140.0	0.012	31.000	1900	400	24
23/1/2         5.72         310.0         0.040         67.000         260.0         760           7/25/12         5.76         190.0         0.047 U         21.000         26.00         760           3/24/11         5.29         490.0         0.047 U         21.000         170.0         540           7/13/11         4.22         370.0         0.042         21.000         0.39 U         720           7/13/12         4.25         500.0         0.012         25.000         0.39 U         770           7/25/12         4.25         500.0         0.091         25.000         0.39 U         770           NS         NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           7/24/12         5.50         160.0         0.0047 U         12.000         140.0         5.0           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         100	MW-7A	7/13/11	5.70	190.0	0.024	54 000	2500	024	93
7/26/12         5.76         190.0         0.0047 U         21,000         150.0         760           3/12/11         5.29         490.0         0.012         21,000         1.39 U         720           3/12/11         4.22         370.0         0.012         21,000         0.39 U         720           2/3/12         4.25         500.0         0.012         20,000         0.39 U         770           7/25/12         4.30         480.0         0.0047 U         24,000         5.0 U         740           NS         NS         NS         NS         NS         NS         NS           2/2/12         5.50         160.0         0.0047 U         12,000         140.0         520           8/24/12         5.50         160.0         0.0047 U         12,000         120.0         470           8/24/12         4.26         40.0         0.0047 U         0.390         5.0 U         100           8/24/12         4.26         40.0         0.0047 U         0.390         5.0 U         5.0 U		2/3/12	5.72	310.0	0.040	67 000	0.000	000	77
3/24/11         5.29         490.0         0.012         21.000         0.39 U         770           7/33/11         4.22         370.0         0.012         21.000         0.39 U         770           7/33/12         4.25         500.0         0.091         25.000         0.39 U         770           7/25/12         4.30         480.0         0.0047 U         25.000         0.39 U         770           NS         NS         NS         NS         NS         NS         NS           2/2/12         5.43         200.0         0.039         17.000         140.0         660           7/24/12         5.50         160.0         0.0047 U         12.000         120.0         470           8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         100		7/25/12	5.76	190.0	0.004711	21,000	720.0	09/	110
7/13/11         4.22         37.00         0.012         21.000         0.39 U         720           2/3/12         4.25         500.0         0.091         25.000         0.39 U         660           7/25/12         4.30         480.0         0.091         25.000         0.39 U         660           NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS           1/24/12         5.50         160.0         0.0047 U         12.000         140.0         520           8/24/12         5.50         160.0         0.0047 U         12.000         170         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         100		3/24/11	5.29	490.0	0.000	000.13	0.07	540	81
2/3/12         4.26         500.0         0.0912         20.000         0.39 U         770           7/25/12         4.30         480.0         0.0947 U         24.000         0.39 U         740           NS         NS         NS         NS         NS         NS         NS           NS         NS         NS         NS         NS         NS         NS           7/24/12         5.50         160.0         0.0047 U         12.000         140.0         520           8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         5.0 U	40.7404	7/13/11	4.22	370.0	2000	21.000	0.39 U	720	18
7725/12         4.30         4000         0.091         25.000         0.39 U         660           NS         NS         NS         NS         NS         740         740           NS         NS         NS         NS         NS         NS         NS           212/12         5.43         200.0         0.039         17.000         140.0         520           7/24/12         5.50         160.0         0.0047 U         12.000         120.0         470           8/24/12         3.76         6.5         0.0047 U         0.390         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         50 U	MV-9A	2/3/12	A OR	0.002	0.012	20.000	0.39 U	077	17
NS		7/95/19	967	2000	0.091	25.000	0.39 U	099	19
NS		AIC.	00.4	480.0	0.0047 U	24.000	5.0 U	740	24
2/2/12         5.50         100         0.039         17.000         140.0         620           7/24/12         5.50         160.0         0.0047 U         12.000         120.0         470           8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         50 U		2	SS.	SS	NS	NS	SX	SN	VIV
2/2/12         5.43         200.0         0.039         17,000         140.0         620           7/24/12         5.50         160.0         0.0047 U         12,000         120.0         470           8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         50 U	MW-13A	CN	NS	NS	SN	NS	SN	NS	ON S
7/24/12         5.50         160.0         0.0047 U         12.000         120.0         470           8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         50 U		2/2/12	5.43	200.0	0.039	17.000	140.0	002	CN
8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         50 U		7/24/12	5.50	160.0	0.0047 U	12 000	0000	070	0/
8/24/12         3.76         6.5         0.029         0.310         5.0 U         100           8/24/12         4.28         40.0         0.0047 U         0.390         5.0 U         50 U	MW-16A					200.21	0.021	4/0	61
8/24/12 4.28 40.0 0.0047 U 0.390 5.0 U 5.0 U		8/24/12	3.76	6.5	0600	0 50 0			
8/24/12 4.28 40.0 0.0047 U 0.390 5.0 U 50 U	841A1 17A				0.02	0.310	5.0 U	100	89
8/24/12 A 20 20 5.0 U.390	W/I-sam	8/24/12	4.28	40.0	11 2800 0	2000			
8/24/19 A ov	A66 40 A			0.01	0.0047	0.390	5.0 U	20 0	E II
	MW-16A	-							22

FDEP - Florida Department of Environmental Protection GCTLs - Groundwater Cleanup Target Levels mgt. - Miligrams per Liter Light. - Micrograms per Liter NL - Not Listed NS - Not Sampled (Well Damaged) Notes:

U - analyte not detected above laboratory method detection limit in the set is the set is a result between laboratory method detection limit and laboratory blank.

BDL - analyte detected in laboratory blank.

BDL - analytes not detected above is aboratory method detection limit bolded entries indicate an exceedance of a regulatory level

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

Well Sample 37/1	i balt					none on familiar	50.	2
1111	CER	S.U.	mg/L	ma/L	//ow	il social	0	
$\frac{1}{1}$	EPA Method	field sampled	300	353.2	350 1	7.050	mgvL	mg/l.
	FDEP GCTLs	6.5-8.5	250	O.F.	3.000	310.1	2540C	5310C
	Sampling Date			2	2.8	Ž	200	Ź
	3/23/11	4 80	¥ 3	1000				
	7/19/11	8 00	***	0.097	0.030	4.3	32	3.1
	2/2/19	200 8	0.4	0.00601	0.022 U	4.3	40	3.0
CIL	7/04/40	4.03	5.1	0.031	0.021	4.2	22	2.6
2/2	17/11	4.30	4.5	0.0047 U	0.032	220.0	8	2.6
100	3/1//1	6.52	5.5	0.510	0.100	47.0	81	7.0
MW-1B	1771	5.7	4.8	0.0047 U	0.830	48.0	85	0.0
77	21/1/2	5.72	4.8	0.130	0.220	42.0	78	3.6
1/2	7723/12	5.75	4.51	0.600	0.240	39.0	74	0.7
3/2	3/23/11	6.13	45.0	0.0088	0660	0.00	54	9.9
MW-2B 7/6	7/6/11	6.25	37.0	0.004711	0.730	32.0	0/1	7.4
	1/30/12	6.23	26.0	0.044	0.40	92.0	180	7.1
7/2.	7/23/12	6.31	42.0	0.04713	0.140	17.0	88	3.4
3/1	3/18/11	5 33	310.0	0.0047	0.320	0.09	160	13.0
	7/6/11	20.0	310.0	0.066	5.700	0.39 U	610	16.0
MW-3B	0/4/40	07.4	310.0	0.0047 U	9.600	5.1	650	15.0
7	21/10	4.32	270.0	0.690	4.400	4.4	530	1.0.0
(3)	71/20/12	4.39	280.0	0.0047 U	1.600	5011	460	0.50
3/1	3/18/11	6.12	0.99	0.015	5.500	120.0	200	0.21
MW-4B 7/1	7/11/11	5.56	68.0	0.004711	4 100	0.023	420	0.08
?	1/19/12	5.70	88.0	7600	4 400	110.0	470	140.0
Intermediate 7/20	7/20/12	5.82	82.0	0.004711	4.400	0.87	420	65.0
Wells 3/17	3/17/11	8.64	0.00	0.0047	3.800	74.0	310	75.0
	7/11/11	0.04	20.0	0.00731	19.000	320.0	470	130.0
MW-5B	0,70	5.7.2	4.1	0.0047 U	18.000	320.0	530	3000
377	7/10/10	5.74	17.0	0.0047 U	16.000	280.0	480	100.0
27/	71.13/17	5.83	5.7	0.0047 U	18.000	240.0	400	0.00
3/5	3/23/11	5.21	6.9	0.00471	0.040	2.6	33	20.02
MW-6B	11/2	4.68	6.8	0.0047 U	0.023	3.2	34	7.4
2/2	20202	4.71	6.9	0.035	0.023	2.5	24	2.4
1/24	7/54/15	4.80	5.8	0.0047 U	0.051	5011	**	3.0
37.7	3/1//11	5.42	10.0	0.024	0.057	4.1	36	0.5
MW-7B	11/11//	4.80	9.3	0.0047 U	0.080	4.2	300	5.4
2/2	2/2/12	4.88	9.1	0.042	0.086	21	000	6.0
1/24	7/24/12	4.95	8.3	0.0047 U	0.079	3100	36	4.5
3/24	3/24/11	5.08	120.0	0.015	0.440	1000	000	4.2
MW-14B 7/13/1	3/11	4.28	120.0	0.0055	0.510	1.7	330	20.0
253	2/3/12	4.34	110.0	0.095	0.440	3.8	020	21.0
(1/25	//25/12	4.37	82.0	0.0047 U	0.390	5011	905	10.0
MW-19B							26	0.71
21/62/0	21/6	6.67	17.0	0.0047 U	0.890	9.5	000	V have
MW-20B	200						020	37.0
8/88/12	21/5	11.00	12.0	0.0047 U	0.660	22.0	500	0.00
	0,11	12.31	220.0	0.100	5.000	0.3911	1100	0.20
MW-3C //6/11	110	11.52	250.0	0.0047 U	4.200	160.0	1400	0.61
Deen	21/	11.49	8.4	0.019	0.057	220.0	070	10.0
	21/0	11.35	9.0	0.0047 ∪	960.0	2000	007	6.2
	9/11	7.25	110.0	0.00781	1,600	350.0	001	2.5
MW-4C 7/11/11	1/11	6.36	110.0	0.0047 U	1 700	7000	000	13.0
	3/12	7.04	11.0	0.00501	0.100	2,00.0	740	17.0
7/20/12	¥12	7.08	12.0	0.004711	0.170	0.003	067	3.0

Notes:

FDEP - Florida Department of Environmental Protection GCTLs - Groundwater Cleanup Target Levels mg/L - Milligrams per Liter Light. - Milligrams per Liter NL - Not Listed NS - Not Sampled (Well Damaged)

U - analyte not detected above laboratory method detection limit I - result between laboratory method detection limit and laboratory V - analyte detected in laboratory blank BDL - analytes not detected above laboratory method detection limit Bolded entries indicate an exceedance of a regulatory level

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

		Benzene	Chlorobenzene	MIBE	lotal Xylenes	loluene	1,1-Dichloroethane	Dichlorodifluoromethane	Lidente Volume Organia
	i co	mg/L	ug/L	µg/L	T/6H	hg/i.	T/O/T	1/2013	Tryotographics
	EPA Method	8260B	8260B	8260	8260	8260	8260	8260	152
	FDEP GCTLs	<b>,</b> _	100	20	20	40	7.0		OS SO
Well	Sampling Date								Vanous
	3/23/11	0.28 U	0.27 U	0.21 U	0.68 U	.GB	11810	1250	1 100 000
BW-1A	7/12/11	0.28 U	0.27 U	0.21 U	0.681	BDI	180	900	HALL STREET
	2/2/12	0.28 U	0.27 U	0.21 U	0.6811	BDI	1 10 10	DD.	89.
	7/24/12	0.13 U	0.13 U	0.13 U	0.4411	IOB IOB		900	BU.
	3/17/11	0.28 U	0.27 U	0.21 U	0.6811	BDI	0.400	BOL	RDI
8.8584. 1 A	7/12/11	0.28 U	0.27 U	02111	0.681	200	0.180	BOL	, G
	2/1/12	0.28 U	0.27 U	0.2111	1 890	100	0.100	BOL	BDF
	7/23/12	0.13 U	0.13 U	0.1311	2000	DOC	08.0	BOL	BDI.
	3/23/11	7.2	1.4	0.0111		90.	0.20	BOL	JOB BOL
*****	7/6/11	5.8	15	0.24.11	2 30 0	DOL	BUL	TOB	1,4-Dichlorobenzene (1.3)
MVV-ZA	1/30/12	4.6	2	0.2.0	0.001	BOL	HON	BDL	1,4-Dichlorobenzene (1
	7/23/10	7.0	± ;	0.21.0	1860	0.25 (	0.18 U	BD.	108
	2/10/44	0.0013	11.000	0.13 U	0.44 U	0.361	0.20 U	)IC8	BDL
	11000	0.50.0	0.27.0	0.21 U	0.68 U	BDI.	0.18 U	BOL	EGR
MW-3A	11/0//	0.28 0	0.27 U	0.37	0.68 U	BDL	0.18 U	108	RDI
	1/30/12	0.28 U	0.27 U	0.44	0.68 U	HDF	0.18 U	GB	BDi
	7/20/12	0.13 U	0.13 U	0.13 U	0.44 U	26	0.20 U	BD	BDI
	3/18/11	0.28 U	0.27 U	0.21 U	0.68 U	BDI	0.18 U	BDI	100
MW-4A	7/11/11	0.28 U	0.27 U	0.21 U	U 89:0	TOB	0.1811	BOIL	DOI:
	1/19/12	0.28 U	0.27 U	0.21 U	068 U	TGB	0.1811	BDI	100
	7/20/12	0.13 U	0.13 U	0.13 U	0.44 U	BDI	0.2011	100	500
	3/17/11	0.28U	0.27 U	0.21 U	0.68 U	BDI	1810	700	BDL
MW-5A	7/11/11	0.28 U	0.27 U	0.21 U	0.681	BOI	Lato	200	BUL
	1/19/12	0.28 U	0.27 U	0.21 U	0.6811	ROI		700	80,
	7/19/12	0.13 U	0.13 U	0.13 U	0.4411	BDI	0.000	900	905
	3/23/11	1.8	1.8	0.21 U	0.6811	BDI	11010	DIA.	109
	7/13/11	3.5	3.6	0.26	0.6811	0 33 (	0.10.0	700	Ethylbenzene (0.391)
MW-7A	011000					2000	0.431	BUL	Ethylbenzene (0.83.1)
	213/12	3.7	ð. 3	0.411	=======================================	0.40 i	0.761	BDL	Ethylbenzene (1.4)
	7/25/12	1.3	1.6	0.13 U	0.44 U	0.191	0.2011	NJO	cis-1,2-Uichioroethene (0.
-	3/24/11	0.691	0.451	0.391	0.761	0.31	0.45		Eurybenzene (0.50 f)
MW.94	7/13/11	0.621	0.731	0.27 I	0.6811	0.34	1 24.0	700	Methylene Chlonde (1.4
	2/3/12	0.611	0.701	0.391	0.70	0.261	1000	907	Methylene Chloride (1.4
	7/25/12	0.651	0.591	0.311	0.44 11	0.30 (	0.00	900	Memylene Chlonde (1.3
	SN	NS	SN	SN	SN	NO	2022	BO.	Methylene Chlonde (1.2
MA.13A	NS	SN	NS	NS	SN	NS	CN SN	SS	NS
	2/2/12	8.1	3.3	0.761,1	1060	0 34 1	2100	ON CO	SZ.
	7/24/12	1.7	2.8	0.551	0.67.1	100	0.19	BDE	Ethylbenzene (0.36 l)
MMA. 18A				2000	100	DDL	0.20	BDI.	Ethylbenzene (0.40 I)
VOI - ANIM	8/24/12	0.13 U	0.13 U	0.1311	0.4411	0.1411	1,000		
MW-17A						0.14.0	0.20	0.28 U	BDI
	8/24/12	0.13 U	0.13 U	0.13 U	0.44 U	0.14 U	11000	11860	E.J. I.J.
MW-18A	0.57							0.03-5	DOC
_							_		

Notes:

FDEP - Florida Department of Environmental Protection GCTLs - Groundwater Cleanup Target Levels mgt. - Adiigrams per Liter ugt. - Micrograms per Liter NL - Not Listed NS - Not Sampled (Well Damaged)

U - analyte not detected above laboratory method detection limit I result between laboratory method detection limit and laboratory V - analyte detected in laboratory blank. BDL - analytes not detected above laboratory me

Facility Name: Sandler Road Sanitary Landfill Facility ID: NED/16/00032164

	25 - 25	penzene	Orindroperizene	MIDE	Total Xylenes	Toluene	1,1-Dichloroethane	Dichlorodifluoromethane	5 ₹ —
	Cont	ng/l.	µg/L	ug/L	hg/L	no/L	Port	100/8	HYdrocarbons
	EPA Method	8260B	8260B	8260	8260	8260	2550	DOM:	DQ/L
	FDEP GCTLs	ļ	100	06	900	30,70	0020	8260	8260
Well	Sampling Date				2	40	70		Various
	3/23/11	0.2811	11700						
	7/49/44	11 80 0	0.120	0.21.0	0.68 U	BDL	0.18 U	-BDF	BDI
BW-1B	9/9/19	0.500	0.27.0	0.21 U	0.68 U	BDI.	0.18 U	BDL	BOI
Tricke)	7/04/40	0.20 0	0.27.0	0.21 U	0.68 U	BDI.	0.18 U	GB	DDA
	21 (427)	0.13 U	0.13 U	0.13 U	0.44 U	BDL	02011	NO.	500
	3/1//	0.28 U	0.27 U	0.21 U	0.68 U	HDE	0.1811	iCa	900
MW-1B	7/12/11	0.28 U	0.27 U	0.21 U	0.68 U	1.2	0.1911	100	BOL
	2/1/12	0.28 U	0.27 U	0.211	0.6811	iua	0.100	BUL	ICB
	7/23/12	0.13 U	0.1311	0.1311	244	DDL	0.18.0	TOB	BDE
	3/23/11	0.281	11 200	0.51.0	0.440	BUL	0.20 U	iOB IOB	108
-	7/8/11	0.05.0	0.27.0	0.291	0.68 U	901	0.18 U	TGB	EGB
MW-2B	07007	0.28 U	0.27.0	0.21 U	0.68 U	BDL	0.18 U	BDI	100
	1/30/12	0.28 U	0.27 U	0.21 U	0.68 U	0.251	0.1811	iCa	200
	//23/12	0.13 U	0.13 U	0.13 U	0.44 U	0.36.1	11000	700	100
	3/18/11	1.6	0.551	3.0	0.6811	ica	1020	DUAL	BOX
AWW.3B	7/6/11	1.5	0.711	2.6	1890	DOL	0.52	6.7	BD.
	2/1/12	8,1	0.651	***	0.00.0	DD.	0.18 U	1.6	BDI.
	7/20/12	17	0.64	4.2	0.68 0	BDL	0.18 U	-	Œ
	17/01/0	1.7	100	9.1	0.44 U	26	0.20 U	1.2	iCa
	7,44,4	0.07	0.27 U	0.82 J	0.68 U	BDI.	0.18 U	Ca	i ca
MW-4B	11/11//	0.28 U	0.27 U	0.721	0.68 U	IGE .	11810	100	JCRG
	1/19/12	1.3	0.421	1.6	0.681	0.060.1		900.	80%
	7/20/12	0.97 I	0.421	-	0.44 11	- COO	0.00.0	501	GB
Intermediate	3/17/11	0.28 U	0.61	0.9411	1 000	DDF.	0.20	BOL	BOL
Wells	7/11/11	0.2811	0.48	0.53.0	0.68 U	BUL	,IOB	)OB	108
DC-MM	1/19/12	11 80 0	1000	0.210	0.68 U	BDL	BDL	BDL	BDL
	7/10/13	0.50	0.91	0.21 U	0.68 U	BDL	0.18 U	IOB	BDI
	21/61/7	0.13.0	0.63	0.13 U	0.44 U	BDL	020 U	BDI	200
	11020	0.28 U	0.27.0	0.21 U	0.68 U	BDL	0.18 U	BDI	1000
MW-6B	177177	0.28 U	0.27 U	0.21 U	0.68 U	BDL	0.181	BOI	DO.
	21/2/2	0.28 U	0.27 U	0.21 U	0.68 U	BDL	0.1811	abi	200
	//24/12	0.13 U	0.13 U	0.13 U	0.44 U	BDI	11000	200	BUL
	3/17/11	0.28 U	0.27 U	0.21 U	0.68 U	BDI	2 8 0	700	BDL
MW-7B	7/11/11	0.28 U	0.27 U	0.21 U	0.6811	ida		DO.	HOB.
	2/2/12	0.28 U	0.27 U	0.2111	0.6813	DDI	0.19.0	BDL	BDI.
	7/24/12	0.13 U	0.13 U	0.1311	0.00	DOI:	0.18 U	BDL	-TOB
	3/24/11	6,7	0.2711	1.0	0 ## 0	DD.	0.20 U	BDL	i Ca
27.72	7/13/11	6.1	0.27.0	0.	0.68 U	NS	108 100	0.691	cis-1,2-Dichloroethene (1
MVV-1455	2/3/19	+	0.570	1.0	0.68 U	NS	0.391	0.861	cis-12-Dichloroathana (1
	7/36/49	1,100	0.27.0	1.7	0.68 U	BDI	0.18 U	25	ole 1 9 Dichloroothoon (0)
	71 (0.71)	1,000	0.13.0	0.88	0.44 U	BDL	0.20 U	1.77.0	cis-12-Dichlomethene (0.38 ii
MW-19B									
	8/29/12	0.13 U	0.13 U	0.13 U	0.44 U	0.361	02011	11800	Chloroethane (0.93 I)
								0.550	Chloroform (3.2)
MW-20B	8/20/45					***************************************			
	0.63116	0.13.0	0.13 U	0.13 U	0.44 U	0.231	0.20 U	0.28 U	Chloroform (2.8)
	3/18/11	0.28 U	0.27 U	0.311	0.68 U	EDI	0.4811	Debi	letrachloroethene (0.24 I)
MW-3C	7/6/11	0.28 U	0.27 U	0.21 U	0.6811	TGG TGG	0.01.0	BUL	1G8
	2/1/12	0.28 U	0.27 U	02111	0.6811	200	0.180	BDL	BDL
	7/20/12	0.13 U	0.1311	0.4311	0.000	BUL	.018 U	BDF	BDL
	3/18/11	0.28 U	0.9711	0 00 0	0,444 0	BUL	0.20 U	BDL	108
7 WWW	7/11/11	0.28 U	0.9711	1 90 0	0.68 U	BUL	0.18 U	BDI	901
7	1/30/12	0.2811	11 200	0.30	0.68 U	BDL	0.18 U	BDL	TOB
•	7/20/12	0.1311	1 64 0	0.210	0.68 U	BDL	0.18 U	TG8	10B
	-	2000	0,13	0.13 U	0.44 U	BDL	0.20 U	IOA	The state of the s

Notes:

FDEP - Florida Department of Environmental Protection GCTLs: Groundwater Cleanup Target Levels mogL. - Miligrams per Liter 19U. - Micrograms per Liter NL. - Not Listed NS - Not Sampled (Well Damaged)

U - analyte not detected above laboratory method detection limit I - result between laboratory method detection limit and laboratory V - analyte detected in laboratory blank BDL - analytes not detected above laboratory me

# TABLE 3: SURFACE WATER ANALYTICAL SUMMARY

Facility Name: Sandler Road Sanitary Landfill

Facility ID: NED/16/00032164

e Su (O	3	T	T	T	T	(8
All Volatile Organic Hydrocarbons ug/L	Various	vairous	iCa	100	TO BO	Toluene (0.28
Chloride mg/L (EPA Method 300)	Z	145	13	13	13	
TOC mg/L (EPA Method SM 415.1)	ž		19	19	20	19
TDS mg/L (EPA Method 160.1)	500		88	81	85	46
Unionized Ammonia mg/L (Calculation)	0.02		0.00480	0,00028 U	0.00040	0.00079
Nitrate mg/L (EPA Method 300)	ž		0.180	0.0047 U	0.029	0.0047 U
Bicarbonate Alkalinity mg/L (EPA Method 310.1)	>20		16.0	12.0	9.6	8.6
pH S.U. (field sampling)	6.0-8.5		7.26	69.9	7.24	7.22
	FDEP CTLs	Sampling Date	3/24/2011	7/13/2011	2/3/2012	7/25/2012
		Sample		S.W.S	) }	

itals 10B,	T	T	T			T	T
All Other Metals Methods 6010B, 6020, 7470A	Vertical	various		80	č	100	ממר
Zinc ug/L od (EPA Method 6020)	**38	200		8.6   V	4211	1101	100
Lead ug/L od (EPA Method (i	8 5**	2		رن ان ان	3.1	3111	100
Copper ug/L EPA Meth 6020)	3.7**		170+	0 8		161	1166
Chromium ug/L (EPA Method (6020)	*		17 +	2		1.1.1	2.0 U
Arsenic ug/L (EPA Method 6020)	20		2511	0	2.5 U	2.5 U	4.0 U
Sodium ug/L (EPA Method 3010A)	¥		9700	20001	00001	9800	8800
ug/L (EPA Method 6010B)	1000		451	711 00	39.17	120 V	701
	FDEP CTLs	Sampling Date	3/24/2011	7/10//0011	1102/51/1	2/3/2012	7/25/2012
•		Sample			SW-3	) :	

FDEP - Florida Department of Environmental Protection Notes:

mg/L - Milligrams per Liter

µg/L - Micrograms per Liter NL - Not Listed

NA - Not Analyzed

\* - Criteria for Hexavalent Chromium (trivalent standard calculated)

U - analyte not detected above laboratory method detection limit

I - result between laboratory method detection

V - analyte detected in laboratory blank

BDL - analytes not detected above laboratory method detection limits BDL - analytes not detected above laboratory level Bolded entries indicate an exceedance of a regulatory level \*\* - Criteria for Class III Marine Waters, Fresh Water Crieria based on calculation

### ATTACHMENT A

FDEP Review Letter dated November 29, 2011



### Florida Department of Environmental Protection

Northeast District 7825 Baymeadows Way, Suite 200B Jacksonville, Florida 32256 Rick Scott Governor

Jennier Carroll It. Governor

Herschel T. Vinvard Jr. Secretary

November 29, 2011

Transmitted via email to: jsfoster@coj.net

Jeffrey S. Foster, P.G., P.E. City of Jacksonville Department of Public Works Solid Waste Division 1031 Superior Street Jacksonville, Florida 32254

Re: Sandler Road Landfill (Closed)
Facility WACS Identification No. 32164
2011 2nd Semi-Annual Monitoring Report Comment Letter
Department Review Letter
Duval County - Solid Waste

Dear Mr. Foster:

The Florida Department of Environmental Protection (DEP) has reviewed the 2011 2<sup>nd</sup> Semi-Annual Monitoring Report Comment Letter (Report) for the Sandler Road Landfill. The Report, which was prepared by the City of Jacksonville, for the above-referenced site pursuant to DEP Permit No. 0067214-005-SO, was dated and received September 9 and 15, 2011, respectively. While the information provided in the Report is acceptable, DEP has the following comments:

- 1. Section 1.0 indicates that, due to labeling issues and monitor well damage, there were discrepancies in the Report concerning MW-7A, MW-9A and MW-13A. Please reconcile these discrepancies and provide the corrected data, tables, and figures in all future reports.
- 2. In Section 3.1, the sodium concentrations for MW-3A and MW-9A were reported as 170 milligrams per liter (mg/L) and 190 mg/L, respectively. Per review of the laboratory analytical data as well as Table 2, these concentrations appear to have been reversed (the sodium concentrations for MW-3A and MW-9A should have been 190 mg/L and 170 mg/L, respectively). For future reports, please ensure the data is correctly summarized in the text.
- 3. The groundwater elevation data and locations of MW-8A, MW-10A and BW-1A were not included on Figure 3 (Shallow Zone Groundwater Elevation Map). Additionally, the groundwater elevation data and locations of MW-6B, MW-7B, MW-10B and BW-1B were not included on Figure 4 (Intermediate Zone Groundwater Elevation Map). For future reports, please include all data points on the applicable site maps or provide an explanation for their exclusion.

Mr. Jeffrey Foster, P.G., P.E. Sandler Road Landfill (Closed) November 29, 2011 Page 2

- 4. On Table 1, the groundwater elevation calculations for MW-3C and MW-4C on March 29, 2011 appear incorrect. For future reports, please ensure the groundwater elevation calculations are correctly presented in the applicable Table(s).
- 5. On Table 2, the Nitrate concentration for MW-14B should have been reported as 0.0055-I mg/L and the TDS concentration for MW-4C should have been reported as 740 mg/L. For future reports, please ensure the data is correctly summarized in the applicable Table(s).
- 6. None of the Groundwater Sampling Logs included monitor well screen intervals. Additionally, the Groundwater Sampling Log for MW-5B did not include the tubing diameter. For future reports, please ensure that all applicable cells on the Groundwater Sampling Logs are filled out in their entirety.

Based on the presence of benzene in exceedence of the Groundwater Cleanup Target Level (GCTL) in the downgradient monitor wells (i.e., MW-2A, MW-7A, MW-3B and MW-14B), additional site assessment activities to delineate these impacts are required. As such, DEP agrees with the installation of the proposed shallow monitor well downgradient of MW-2A and MW-7A, installation of the two proposed intermediate monitor wells downgradient of MW-3B and MW-14B, repair of MW-13A, and the addition of MW-9A to the semi-annual sampling schedule for the next sampling event. Pursuant to Chapter 62-780, F.A.C, please submit a Site Assessment Report by August 27, 2012.

Should you have any questions concerning this matter, please direct all correspondence to me at the letterhead address or at <a href="Meil.Hornick@dep.state.fl.us">Neil.Hornick@dep.state.fl.us</a>, or contact me by telephone at 904.256.1574.

Sincerely,

Neil Hornick, P.G. Professional Geologist Solid Waste Section

11/16 X

/lp

Enclosure(s)

ec: Mr. Eric Fuller, P.E., City of Jacksonville (EFuller@coj.net)

### ATTACHMENT B

Soil Boring Logs and Well Construction and Development Logs

												Page 1 of 1					
Borin	g/Well					Permit Number:					FDEP Facility Identification Number:						
	7	N	W-16A			Borehole Start Date: 07/31/12 Borehole Start					<u></u>					********************	
Site N				دمنور		Borch			07/31/12	Borehole Start		1640	<u></u>	AM 🔽			
Sandler Road Landfill Environmental Contractor:							Fnd D		07/31/12	End 1		1743	otmininia anagys o	AM IV	energy and the second second second		
Envir			ractor: ar SES t	LC		Ueolog	gist's Nan		sica Gibson		Environn	nental Te					
Drilli	ng Com				Pavem	ent Thic	kness (in		Borehole Dian	neter (inches):	L	Robert Gallego  Borehole Depth (feet):					
Gr	oundw	ater P	rotection							3.25	12						
Driffi	ng Meth				nt Boreho		-		easured Well DTV	`	OVA (lis	t model a			guines.		
		H/RM			oil moiste		<del></del>		vater recharges in			-		FID I	PID		
ı .			Cuttings   multiple			•	V	Drum	F Spread	F Backfill	Γ s	tockpile	,	Other			
Boreh	ol <b>e</b> Con	npletio	n (check o	one):	F	Well	┌ Gr	out	☐ Bentonite	☐ Backfi	и г	Other	(descr	ibe)			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(inclu	Sample ude grain size bas and ot	rs, staining	USCS Symbol	Moisture Content	Grou (list san	Lab Soil and indwater Sa nple number n norary screen i	mples id depth		
РН	1			<10	-	<10		Gray, fi	ine SAND, no od	lor		SP	м				
PH	2		NATURAL PROPERTY OF THE PROPER	<10	*	<10	1	Dark gr	ray, fine SAND, I	no odor		SP	м				
РН	3			20	15,2	5	2	Dark br	rown, sility fine S	AND, no odor		SM	w				
PH	4			13.7	11.5	2.2	3	Dark br	rown, sility fine S	AND, no odor		SM	s				
РН	5			<10	*	<10	5	Dark br	own, sility fine S	AND, no odor		SM	s				
SS	6			<10	*	<10	6	Dark br	own, sility fine S	AND, no odor		SM	s	nin province passage p			
ss	7			<10	•	<10	7	Dark br	own, sility fine S	AND, no odor		SM	s	Nada de la constanta de la con			
ss	8			<10	*	<10	8	Dark br	own, sility fine S	AND, no odor		SM	S				
ss	9			<10	*	<10	9	Dark bro	own, sility fine S	AND, no odor		SM	s				
ss	10			<10	*	<10	10	Dark bro	own, sility fine S	AND, no odor		SM	s				
ss	11			<10	*	<10	11	Dark bro	own, sility fine S	AND, no odor		SM	s				
SS	12			<10	-	<10	12	Dark bro	own, fine SAND,	no odor		SP	s				

												Page 1 of						
Borir	ig/Well	Numbe	r:			Permit Number: FD					FDEP F	icility Idei	ntificat	tion Num	ber:			
-		М	W-17A	···)		<u> </u>				T	<u></u>	-	·//			******************		
Site !	Vame:					Boreho	ole Start I		08/01/12	Borehole Start		740		ам Г				
T			Road La	andfill	·		End I		08/01/12	End 7		845		AM I				
envii	onment		ractor: ar SES l	LC.		Geolog	ist's Nan		sica Gibson		Environr	nental Tec		m's Name pert Galle				
Drilli	ng Com				Pavem	ent Thickness (inches): Borehole Diameter (inches):						Borehole		***************************************	· & ·	<del>10-11-11-11-11-11-11-11-11-1</del>		
Gı	oundw	ater P	rotection	_			-			3.25		12						
Drilli	ng Meth			1		le DTW		- 1	asured Well DTW	· i	OVA (fis	t model ar			10,00			
TN:		-I/RM	Charles :	<u> </u>		ire conte			ater recharges in		L	Saular II		FID	PID			
			Cuttings   multiple				<b>V</b>	Drum	Spread	☐ Backfill	Γs	tockpile	,	Other				
Boreh	ole Con	npletion	ı (check o	one):	V	Well	ſ Gr	out	☐ Bentonite	□ Backfi	II F	Other (	descri	ibe)	oorgood Will de Control of Contro			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)					Moisture Content	Samp	oil and Grour les (list sample oth or temporar interval)	number		
РН	1			<10	*	<10	i	Gray, fil	ne SAND, no od	lor	TOTAL CONTRACTOR AND	SP	М					
РН	2			<10	-	<10	2	Brown,	Brown, fine SAND, no odor			SP	М					
PH	3	Annanananananananananananananananananan		<10	*	<10	2	Brown,	fine SAND, no c	odor		SP	м	***************************************				
РН	4			<10	**	<10	4	Brown,	fine SAND, no c	odor		SP	W	***************************************				
РН	5			<10	•	<10	5	Brown,	fine SAND, no o	odor		SP	S	Nantassecontassecontassecontassecontassecontassecontassecontassecontassecontassecontassecontassecontassecontas				
SS	6			<10	*	<10	6	Brown,	Brown, fine SAND, no odor			SP	s					
SS	7			<10	*	<10	7	Brown,	fine SAND, no o	odor		SP	s					
ss	8			<10	*	<10	8	Dark bro	own, sility fine S	AND, no odor		SM	s					
SS	9			17.8	12.5	5,3	9	Dark bro	own, sility fine S	AND, no odor		SM	s					
ss	10			<10	*	<10	10	Dark brown, sility fine SAND, no odor			SM	s						
ss	11			31.2	25.7	5.5	11	Dark bro	own, sility fine Sa	AND, no odor		SM	s					
ss	12			<10	-	<10	anations.	Dark bro	own, sility fine So	AND, no odor		SM	s					

	-										ige I o					
Borii	ıg/Well					Permi	t Number	*	FDEP I	acility Ide	ntifical	tion Number:				
0.04.0	Vame:	N	IW-18A	***************************************		<del> </del>	.1.25									
SHC I				. #**		Boren	ole Start I		orehole Start Time:	845		АМ ГРМ				
			Road L	andfill		ļ.,	End I		End Time:	1000		АМ ГРМ				
envu	ronment		tractor: tar SES I	I.C.		Geolog	gist's Nar	ne: Jessica Gibson	Environ	mental Te		n's Name:				
Drilli	ng Com		.a. oco .		Pavem	ent Thic	kness (in		er (inches):	Robert Gallego Borchole Depth (feet):						
			rotection	, Inc.				· 1	3.25	Borenoie Depth (reet):						
Drilli	ng Meth	iod(s):	***************************************	Apparer	it Boreh	ole DTW	(in feet	Measured Well DTW (in	n feet after OVA (li	st model a	nd che	ek type):				
	Pł	H/RM	······································	from s	oil moist	ure conte	<del></del>	water recharges in well	II):		F.	FID F PID				
Dispo	sition o	f Drill	Cuttings	[check m	ethod(s	)]:	V	Drum   Spread	Backfill [	Stockpile	1	Other				
(desci	ribe if o	ther or	multiple	items are	checke	?d);										
Borel	ole Con	npletio	n (check o	one):	V	Well	☐ Gr	out   Bentonite	Γ Backfill [	Other	(descri	be)				
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample De (include grain size based of and other	on USCS, odors, stainin	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)				
РН	1			<10		<10		Gray, fine SAND, no odor		SP	м					
PH	2			<10	•	<10		Gray, fine SAND, no odor		SP	М					
РН	3	***************************************		<10	-	<10	2	Brown, fine SAND, no odor	r	SP	М					
РН	4			<10	4	<10	ر 4	Brown, fine SAND, no odor	•	SP	w					
РН	5			<10		<10	5	Dark brown, sility fine SANI	D, no odor	SM	S					
SS	6			<10	*	<10	6	Dark brown, sility fine SANI	D, no odor	SM	s					
SS	7			<10	es.	<10	7	Dark brown, sility fine SAND	D, no odor	SM	s					
ss	8			<10	*	<10	8	Dark brown, sility fine SANE	D, no odor	SM	s					
ss	9			17.8	12,5	5.3	9	Dark brown, sility fine SAND	D, no odor	SM	s					
ss	10			<10		<10	10	Dark brown, sility fine SAND	D, no odor	SM	s					
ss	11			31.2	25.7	5.5	11	Dark brown, sility fine SAND	D, no odor	SM	s					
ss	12			<10	*	<10	******	Dark brown, sility fine SAND	), no odor	SM	s					

								Pa	age 1 of	f	1	-					
Borin	ng/Well N	Numbe	T:		<u> </u>	Permit	Permit Number: FDEP Facility Identification Number:										
		M	IW-19B														
Site N	Name:			***************************************		Boreho	ole Start D	Jate:	07/31/12	Borehole Start	Time:	1230			PM		
	-	**********	Road La	ındfill	·		End D	-	08/02/12	End 7		1040		ам Г		~	
Envir	ronmenta				Million	Geolog	gist's Nam		* ***		Environme	ntal Tec					
			ar SES L		Ta	I This	1 Ges		sica Gibson Borchole Diam	- Landres		Robert Gallego					
i .	ing Comp roundwa		rotection.		Pavens	ant ime	ckness (inc	hesj.	Borenote Dian	neter (inches): 3.25	ľ	Borchole Depth (feet): 52					
	ng Meth				at Boreho	ole DTW (	(in feet	Me	easured Well DTW		OVA (list r	model ar	nd cher			<del>desire is hi their a coinci</del>	
	-	H/RM		from sr	oil moisti	ure conten	nt): 4	<u> </u>	water recharges in	well):			ات	FID T	PID	· · · · · · · · · · · · · · · · · · ·	
Dispo	sition of	f Drill (	Cuttings [	check m	ethod(s)	)]:	ि प	Drum		☐ Backfill	┌ Sto	ckpile	Г	Other			
(descr	ribe if ot	ther or	multiple i	items are	г checke	d):	-										
Boreh	ole Con	apletion	n (check o	me):	V	Well	┌ Gro	out	☐ Bentonite	Backfi	1 F	Other (	descri	be)	ywaassa walii shii gabaa da kalii ilaanii waasa wa		
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)		ude grain size bas and ot	e Description sed on USCS, odor ther remarks)	rs, staining,	USCS Symbol	Moisture Content	Sample	il and Ground es (list sample r th or temporary interval)	number	
РН	1			<10		<10		Light br	prown, fine SAND	, no odor	***************************************	SP	м				
PH	2			<10		<10	1	Light br	Light brown, fine SAND, no odor				м	international and a second and a			
РН	3			<10	-	<10		Brown,	, fine SAND, no o	odor		SP	м				
РН	4			<10	-	<10	3	Brown,	, fine SAND, no o		SP	w					
РН	5		THE PART OF THE PA	<10	-	<10		Brown,	, fine SAND, no o	odor		SP	s				
ss	6			<10	~	<10		Dark brown, sility fine SAND, no odor				SM	S	- Annual Control of the Control of t			
ss	7		Transaction (Astronomy	<10	*	<10	6 7	Dark br	rown, sility fine S.	AND, no odor		SM	S				
ss	8			<10		<10	I	Dark br	rown, sility fine S	AND, no odor		SM	s	- Andreas - Andr			
ss	9			17.8	12.5	5.3	femine I	Dark br	rown, sility fine S.	AND, no odor		sм	s				
ss	10	A CONTRACTOR OF THE PARTY OF TH		<10	+	<10	L 1	Dark br	rown, sility fine S	AND, no odor		SM	s				
ss				31.2	25,7	5,5	I	Dark br	rown, sility fine Sa	AND, no odor		SM	s	The state of the s			
ss	12			<10	-	<10	} [	Dark bri	rown, sility fine Si	AND, no odor		SM	s				

Page 2 of \_\_\_\_

Borin	g/Well l	Numbe	r:	FDEP	Facility	Identific	ation Nu	mber: Site Name:	Borehol	e Start I	Date:	07/31/12
L	MV	V-19B						Sandler Road Landfill		End D	ate:	08/02/12
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odo and other remarks)	s, staining,	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
ss	13			<10		<10	13	Dark brown, silty fine SAND, no odor		SM	s	
SS	14			<10	*	<10	14	Dark brown, silty fine SAND, no odor		SM	s	
ss	15	***************************************		<10	-	<10	15	Dark brown, silty fine SAND, no odor		SM	s	
SS	20			<10	-	<10	16 17 18 19 20 21	Orange/brown, fine SAND, no odor		SP	S	
SS	25			<10	j	<10	22 23 24 25 26 27 28	Orange, fine SAND, no odor		SP	S	
SS	30			<10	*	<10	29 30	Brown, fine SAND, no odor		SP	s	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

Page	3	of	á	4
1 000	w <sup>2</sup>	W 8		٠.

	ll Number	ar:	FDEP I	facility l	dentific	ation Nun	ber: Site Name: Bo	orehole Start I	Date:	07/31/12
N	/W-19B						Sandler Road Landfill	End D	ate:	08/02/12
Interval (feet) Sample Type	Sample Recovery (inches) Sample Denth	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, stai and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SS 35			<10		<10	35 36 37 38 39 40 41 42 43 44	rown, fine SAND, no odor	SP SP	O) O)	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

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Borin	g/Well 1	Vumber	r:	FDEP	acility	dentific	ation Nur	nber:	Site Name:	Borchole	Start I	ate:	07/31/12
		V-19B						Sandler Road Landfill			End D	ate:	08/02/12
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(inclu	Sample Description ade grain size based on USCS, odors, and other remarks)	staining,	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SS	50			<10	te.	<10	49 50	Gray, fi	ne SAND, no odor		SP	S	
ss	52			<10	*	<10	51 52	Gray, fi	ne SAND, no odor		SP	S	
							53						
							55 56						
							57 58						
							59						
							61						
							63						
							65 66						

Sample Type Codes: PH = Post Hole; HA = Hand Auger, SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

												Pa	ige I of	f I
Borin	g/Well N	Numbe	r:	<del>ugganamina</del>		Permit	Permit Number:				FDEP Fac	ility Ider	itificat	tion Number:
		M'	W-20B											
Site N	ame:			######################################		Boreho <sup>1</sup>	ole Start D	late:	08/01/12	Borehole Start	Time:	1050		AM   PM
	Sa	andler	Road La	ındfill			End Da	-	08/02/12	1		1345		AM 🔽 PM
Enviro	onmenta					Geologi	gist's Name		· Oltran		Environme	intal Tec		
Deillin	ng Comp		ar SES L	.LC	Io <sub>svem</sub>	ent Thic	kness (inc		sica Gibson Borchole Diam	neter (inches):	<u> </u>	orehole i		oert Gallego (feet):
i .			rotection,	. Inc.	Favo	Ait time.	ditas (	Aiboj.	DUI WINNE	3.25	1	178 Waster .	Lop	52
Drillir	ng Metho		ena mandinoja mi magaja (*	1 ''		ole DTW (	•	1	easured Well DTW	`	OVA (list r	model ar		* * '
	<del></del>	1/RM	-			ure conten			vater recharges in		<u></u>		***************************************	FID FID
-			Cuttings [				<b>v</b>	Orum		☐ Backfill	☐ Sto	ckpile		Other
		*****************	multiple i	<del></del>		well	☐ Gro	**************************************	☐ Bentonite	Backfi	:11	Other (	A ac ap	
Boren	ole Com	ipletion	n (check o	me):	14	Weu	1 1110	nu	Domyana	j Liwens	11 1	Omer,	ucs	De;
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(inclu	ude grain size bas	e Description ised on USCS, odo ther remarks)	rs, staining,	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	1			<10		<10		Gray, fi	fine SAND, no oc	for		SP	М	
							1	Gray, f	fine SAND, no oc	dor				
PH	2			20.2	12	8.2	2					SP	M	!
PH	3			<10	-	<10	3	Brown,	, fine SAND, no c	odor		SP	w	
РН	4			<10	_	<10	I	Brown,	, fine SAND, no o	odor		SP	s	
					_		_ 4	Brown.	, fine SAND, no c	odor				!
РН	5			<10	-	<10	5	J. V,	hip se	AGO!		SP	s	
SS	6			<10		<10		Brown,	, fine SAND, no c	odor		SP	S	
							6	Dark br	rown, sility fine S	SAND, no odor				- CHARLES AND
SS	7			<10	- !	<10	7		-			SM	S	
SS	8			<10	-	<10		Dark br	rown, sility fine S	JAND, no odor		SM	s	
			And Andrews	en e			8	Dark br	rown, sility fine S	SAND, no odor				
SS	9			<10	-	<10	9					SM	s	-
ss	10			<10	*	<10		Dark br	rown, sility fine S	JAND, no odor		SM	s	Merceleantine
							10	Dark br	rown, sility fine S	SAND, no odor				
ss	11			<10	-	<10	11		The state of the s	2 The second section 1		SM	s	
00	13			-10		<10	posses I	Brown,	, fine SAND, no c	odor		SP	s	
SS	12	1 '	1	<10	1 - '	1 -10 ,	12	l				0,	9	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

Page 2 of Boring/Well Number: FDEP Facility Identification Number: Site Name: Borehole Start Date: 08/01/12 End Date: MW-20B Sandler Road Landfill 08/02/12 Lab Soil and Moisture Content Sample Recovery SPT Blows (per six inches) Sample Depth Interval (feet) Unfiltered OVA Filtered OVA USCS Symbol Groundwater Sample Type Depth (feet) Net OVA (inches) Sample Description Samples (list (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) Brown, fine SAND, no odor SS 13 <10 <10 SM 13 Brown, fine SAND, no odor SS <10 <10 SM 14 Brown, fine SAND, no odor SS S <10 <10 SM 15 15 16 17 18 19 Brown, silty fine SAND, no odor SS 20 <10 <10 SM S 20 21 22 23 24 Brown, silty fine SAND, no odor SS 25 <10 <10 SM S 25 26 27 28 29 Brown, fine SAND, no odor 30 SS <10 <10 S

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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Borin	ig/Well l			FDEP	Facility	Identific	cation Nu	mber:	Site Name:	Borehole			08/01/12
	MV	V-20B	_		-	<b></b>	<del></del>	·	Sandler Road Landfill		End D	ate:	08/02/12
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(inclu	Sample Description de grain size based on USCS, odors, s and other remarks)	staining,	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
SS	<b>4</b> 0			<10	*	<10	40 41 42 43	Gray, fir	fine SAND, no odor		SP SP	on on	
							47			and the second s			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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of			

Borin	g/Well h	Vumber	A	FDEP I	acility l	dentific	ation Nun	nber:	Site Name:	Borchole			08/01/12
	MV	/-20B					<b>,</b>		Sandler Road Landfill		End D	ate:	08/02/12
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(inclu	Sample Description ide grain size based on USCS, odors, and other remarks)	staining,	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
ss	50			<10	*	<10	49 50	Gray, fi	ne SAND, no odor		SP	S	
SS	52			<10	*	<10	52	Gray, fi	ne SAND, no odor		SP	s	
							53 54 55						
							56 57						
							58 59						
							60 61 62				ilioniski karavara erro soverning i deligioniski kalendari kalendari kalendari kalendari kalendari kalendari k		
							63						
							65						
Sampli	Type Co	ndes: P	H = Post F	fole: H	<b>\</b> = Hand	Auger:		Speon:	ST = Shelby Tube; DP = Direct Pus	h; <b>SC</b> = Sc	nic Con	; DC	← Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

	V	VELL CONSTR	UCTION	DATA				
	te Name:			FDEP Fac	cility LD. Numb	per: W		Date(s):
MW-16A	Sar	ndler Road Landfill		1			7/	31/12
Well Location and Type (check app  ☐ On-Site ☐ Ri ☐ Off-Site Private Property	oropriate boxes): ght-of-Way		Perched Mor Shallow (War Intermediate	ter-Table)		172.24.5.50	istall Met ollow Ste	hod: em Auger
	ush-to-Grade	.  F	Remediation			Surface	Casing I	nstall Method:
Borehole Depth Well Dep (feet): 12 (feet):		Diameter Manhole Di (inches):	iameter 8	Well Pad	Size: 2 feet	by	2 feet	******
Riser Diameter and Material: Schedule 40 PVC	Riser/Screen Connections:	Flush-Threaded Other (describe)		Riser Len		feet feet to		feet
Screen Diameter and Material:		Screen Slot Size:		Screen Le			40	
Schedule 40 PV	C	0.010-in	ch		from 2	feet to	12	feet
1st Surface Casing Material: also check: Permanent	Temporary	1st Surface Casing I,I	D. (inches):	1st Surface	Casing Length from 0	feet to	feet	feet
2 <sup>nd</sup> Surface Casing Material: also check:  Permanent	Temporary	2 <sup>nd</sup> Surface Casing I.	D. (inches):	2 <sup>nd</sup> Surfac	e Casing Length	h:	feet	feet
3 <sup>rd</sup> Surface Casing Material: also check: Permanent	Temporary	3 <sup>rd</sup> Surface Casing I.I	D. (inches):	3 <sup>rd</sup> Surface	Casing Length	i:	feet	fcct
Filter Pack Material and Size: Pr 20/30 Silica Sand	epacked Filter Ard	ound Screen (check on	e):	Filter Pack	Length:	feet to	11 fcet 12	feet
Filter Pack Seal Material and Size:	31	0/65 Silica Sand		Filter Pack	Seal Length: from 0.5	feet to	).5 feet	feet
Surface Seal Material:		Grout		Surface Se	al Length:	feet to	0.5 feet	feet
	V	VELL DEVELO	PMENT	DATA				
Well Development Date; 08/02/12		elopment Method (chec ner (describe)	ck one):	▼ Surge/I	Pump ┌ P	ump	☐ Com	pressed Air
Development Pump Type (check):  Submersible  Other (descri	Centrifugal	Peristaltic	Depth to Gro	oundwater (I	pefore developi NA	ng in feet	:):	
Pumping Rate (gallons per minute) NA		ximum Drawdown of C relopment (feet):	Froundwater I		Well Purged D	ry (chec	k one):	
Pumping Condition (check one):  Continuous	Total Develope Removed (galle	Actual College College College College	Developmen (minutes);	t Duration 25	Development (check one):		ummed Yes	□ No
Water Appearance (color and odor Turbid be	At Start of Development	lopment:	Water Appea		r and odor) At I		evelopme	nt:
Turbid br	rown, no odor		Turbid brown, no odor					

WE	LL CONSTRUC	CTION OR DEV	ELOPMENT RE	MARKS	

		VELL CONSTR	UCTION						
i i	e Name:			FDEP Fac	ility L.I	). Numbe	er: V		Date(s):
MW-17A		ndler Road Landfill		<u></u>	· · · · · · · · · · · · · · · · · · ·			*****	/1/12
Well Location and Type (check appro		1	Perched Mon				Well I	istall Met	hod:
	ht-of-Way		Shallow (Wat			-	l н	ollow Ste	em Auger
Off-Site Private Property	sh-to-Grade		Intermediate	15					nstall Method:
**********			Remediation	or Other (d	escribe)		Surrace	Casing 1	nstan wentut.
If AG, list feet of riser above land surfac		<u></u>	**************************************			***************************************	<u> </u>		***************************************
Borehole Depth Well Depth	1	Diameter Manhole D		Well Pad S	_	_			
	12 (inches):	(inches):	8		2	feet	hy _	2 feet	
Riser Diameter and Material:	Riser/Screen	▼ Flush-Threaded		Riser Leng	gth:	f	eet		
Schedule 40 PVC	Connections:	Cother (describe)			from	0	feet t	o <u>2</u>	_feet
Screen Diameter and Material:		Screen Slot Size:		Screen Lei	igth:	10 f	eet		
Schedule 40 PVC		0.010-in	ch		from	2	feet t	o <u>12</u>	feet
1st Surface Casing Material:		1st Surface Casing I.	D. (inches):	1 <sup>st</sup> Surface	Casing	Length:		feet	
also check: Permanent J	Temporary				from	0	feet t	0	feet
2 <sup>nd</sup> Surface Casing Material:		2 <sup>nd</sup> Surface Casing I.	D. (inches):	2 <sup>nd</sup> Surface	Casing	g Length:	:	feet	
also check:	Temporary				from	0	feet t	0	feet
3 <sup>rd</sup> Surface Casing Material:		3 <sup>rd</sup> Surface Casing I.	D. (inches):	3 <sup>rd</sup> Surface	Casing	Length:		feet	
	Temporary				from	0	feet to	)	feet
Filter Pack Material and Size: Prep	oacked Filter Ar	ound Screen (check on	e):	Filter Pack	Length	1:	********	11 feet	
20/30 Silica Sand f	Yes	₽ No			from	1	feet to	12	feet
Filter Pack Seal Material and	2	0/65 Silica Sand	**************************************	Filter Pack	Seal L	ength:		).5 feet	
Size:		0/00 Ollica Galiu			from	0.5	feet to	, 1	feet
Surface Seal Material:		Grout		Surface Sea	al Leng	th:		).5 feet	
		J. V.			from	0	feet to	, 0.5	feet
		······································	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		****				
	Y	VELL DEVELO	PMENT I	)ATA					
Well Development Date:	Well Deve	elopment Method (chec	ck one):	▼ Surge/P	'ump	Γ Pι	ımp	┌ Com	pressed Air
08/02/12	F Ott	ner (describe)							
Development Pump Type (check):	Centrifuga	l Peristaltic	Depth to Gro	undwater (b	efore d	evelopin	g in fee	t):	
▼ Submersible						NA			
Pumping Rate (gallons per minute):	Ma	ximum Drawdown of C	roundwater D	uring	Well P	urged Dr	ry (chec	k one):	1983-99-01
NA		velopment (feet):	NA			-	•	₩ No	
Pumping Condition (check one):	Total Develop	ment Water	Development	Duration	Develo	pment W	Vater Dr	ummed	***************************************
Continuous   Intermittent	Removed (gall		(minutes):	30	(check	-		Yes	┌ No
Water Appearance (color and odor)	Water Appear	rance (color	and od	or) At E	nd of D	evelopme			
Turbid bro	wn, no odor			í	Liaht h	rown, no	o odor		
					g , w				

SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	SDEWADIZE

	van de la companya d	ELL CONSTE	RUCTION	DATA			
Well Number:	Site Name:			FDEP Fa	cility I.D. Numbe	er: Well	Install Date(s):
MW-18A		dler Road Landfill					8/1/12
Well Location and Type (check		Well Purpose:	Perched Mon	itoring		Well Instal	l Method:
✓ On-Site   ✓ Off-Site Private Property	Right-of-Way	<u> </u>	Shallow (Wat	-		Hollo	w Stem Auger
The second secon	Flush-to-Grade				or Deep Monitoring		sing Install Method
If AG, list feet of riser above land su	**************		Remediation or Other (describe) Surface			Surrace Ca	sing mstan iviculou
Borehole Depth Well D		L Diameter Manhole D	Vianantan	Well Pad	Sim.	L	
(feet): 12 (feet):	12 (inches):	(inches):	8	wenrau	_	by 2	feet
Riser Diameter and Material:		Flush-Threaded	***************************************	Riser Len		eet	
Schedule 40 PVC	Committee	Other (describe)		Kisci Len			2 6
Screen Diameter and Material:	<u> </u>	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>			***************************************	feet to	2 feet
1	31.40	Screen Slot Size:		Screen Le			40
Schedule 40 F	<sup>2</sup> VC	0.010-in			from 2	feet to	12feet
1st Surface Casing Material:		1st Surface Casing I.	D. (inches):	1 <sup>st</sup> Surface	Casing Length:		feet
also check: Permanent	Temporary			Į.	from 0		feet
2 <sup>nd</sup> Surface Casing Material:		2 <sup>nd</sup> Surface Casing I	.D. (inches):	2 <sup>nd</sup> Surfac	e Casing Length:		feet
also check: Permanent	Temporary				from 0	feet to	feet
3 <sup>rd</sup> Surface Casing Material:		3 <sup>rd</sup> Surface Casing I.	D. (inches):	3 <sup>rd</sup> Surface	Casing Length:	·	feet
also check: Permanent	Temporary				from 0	feet to	feet
Filter Pack Material and Size:	Prepacked Filter Aro	und Screen (check on	ie):	Filter Pack	Length:	11	feet
20/30 Silica Sand	☐ Yes	₩ No			from 1	feet to	12 feet
Filter Pack Seal Material and		/0° 0'1' 0 1	***************************************	Filter Pack	Seal Length:	0.5	feet
Size:	30	/65 Silica Sand			from <u>0.5</u>	feet to	1feet
Surface Seal Material:		C		Surface Se	al Length:	0.5	. feet
		Grout			from 0	feet to	0.5 feet
	in the second se	ELL DEVELO	PMENT I	DATA			
Well Development Date:	Well Devel	opment Method (che	ck one):	▼ Surge/I	'ump   Pu	ump [	Compressed Air
08/02/12	Cthe	er (describe)		~	•	•	•
Development Pump Type (check	4	Peristaltic	Depth to Gro	undwater (ł	efore developin	g in feet):	
Submersible   Other (desc	cribe)				NA		
Pumping Rate (gallons per minut		mum Drawdown of C	Groundwater D	uring	Well Purged Dr	y (check on	e);
NA	Deve	lopment (feet):	NA	\	T Yes	⊽	No
Pumping Condition (check one):			Development	Duration	Development W	ater Drumn	ned
Continuous Intermitte		(minutes):	20	(check one):	▼ Yes	s F No	
Water Appearance (color and ode	or) At Start of Develo	pment:	Water Appearance (color and odor) At End of Development:				
Turbid	brown, no odor		Light brown, no odor				
			A			<del>*************************************</del>	

WELL CONSTRUCTION OR DEVELOR	MENT REMARKS

		WELL CONSTR	UCTION	DATA					
Well Number:	Site Name:			FDEP Fac	cility I.D. Numb	er: W	ell Instal	l Date(s):	
MW-19B		Sandler Road Landfill					7/31/1	2 - 8/2/12	
Well Location and Type (check a		: Well Purpose:	Perched Mon	itoring		Well Ins	stall Met	hod:	
	Right-of-Way		Shallow (Wate				Mud R	otary	
✓ Off-Site Private Property ✓ Above Grade (AG)	Flush-to-Grade		Intermediate o			Surface		nstall Method:	
		****	Remediation of			1	_		
If AG, list feet of riser above land so Borehole Depth Well D		ole Diameter Manhole D		[317-11 D- 17		I Ho	llow Ste	m Auger	
(feet): 52 (feet):	52 (inche	i i	nameter 8	Well Pad		lane '	) e		
Riser Diameter and Material:	Riser/Scree		· · · · · · · · · · · · · · · · · · ·	Diam I		by	feet		
	Connection	36*		Riser Leng	***************************************		40		
Schedule 40 PVC		/ Other (describe)			from 0	feet to	42	feet	
Screen Diameter and Material:		Screen Slot Size:		Screen Lei		eet			
Schedule 40 F	PVC	0.010-in	ch		from <u>42</u>	feet to	52	feet	
I <sup>st</sup> Surface Casing Material:		1 <sup>st</sup> Surface Casing I.	D. (inches):	1st Surface	Casing Length:	3	9 feet		
also check: 🔽 Permanent	Tempora	ту 6			from 0	feet to	39	feet	
2 <sup>nd</sup> Surface Casing Material:		2 <sup>nd</sup> Surface Casing I.	D. (inches):	2 <sup>nd</sup> Surface	Casing Length	:	feet		
also check:    Permanent	Tempora	гу			from	feet to	***************************************	feet	
3 <sup>rd</sup> Surface Casing Material:		3 <sup>rd</sup> Surface Casing I.	D. (inches):	3 <sup>rd</sup> Surface	Casing Length:		feet	<del>r en statisticalistical en la fred de la series e</del> les regionnes les series en la series de  la series de la series de la series del la series del la series de  la series de  la series del la series de  la series della series	
also check: Permanent	Temporar	у		1	from	feet to	***************************************	feet	
Filter Pack Material and Size:	Prepacked Filter	Around Screen (check on	e):	Filter Pack	Length:	5	1 fcet		
20/30 Silica Sand	T Yes	₩ No			from 1	feet to	_52	feet	
Filter Pack Seal Material and		30/65 Silica Sand		Filter Pack	Seal Length:	0.	5 feet		
Size:		30/05 Silica Sand			from <u>0.5</u>	feet to	1	feet	
Surface Seal Material:		Grout		Surface Sea	al Length:	0.	5 feet		
		Orout			from 0	feet to	0.5	feet	
						destronic destronic de la constante de la cons			
		WELL DEVELO		)ATA					
Well Development Date:	8	evelopment Method (chec	ck one):	▼ Surge/P	ump   Pu	ımp	Com	pressed Air	
08/02/12		Other (describe)							
Development Pump Type (check	. f CASSESTE	ugal Peristaltic	Depth to Grou	undwater (b	efore developin	g in feet)	,		
Submersible \( \text{Other (desc} \)					NA				
Pumping Rate (gallons per minut		Maximum Drawdown of C		~ 1	Well Purged Dr				
NA NA		Development (feet):	NA		Yes	······	₩ No		
Pumping Condition (check one):		opment Water	Development	Duration	Development W	Vater Dru	mmed		
Continuous   Intermitte	(,	, , ,	(minutes):	46	(check one):	P	Yes	□ No	
Water Appearance (color and odd	ater Appearance (color and odor) At Start of Development:				Water Appearance (color and odor) At End of Development:				
Turbid	brown, no odo	•			_ight brown, no	odor			
							************		

WE	LL CONSTRUC	TION OR DEV	ELOPMENT E	PEMARKS	
		2.2 MAN. M. 23. 40. 22. 41	*************		

Company of the second second second second second		V					******		
		WELL CONSTI	RUCTION	DATA					
Well Number:	Site Name:			FDEP Fa	cility I.D	. Numb	er: Well	Instal	Date(s):
MW-20B		Sandler Road Landfill						8/1/12	2 - 8/2/12
Well Location and Type (check a	appropriate boxes	s): Well Purpose:	Perched Mon	itoring			Well Insta	ll Met	hod:
	Right-of-Way	prior	Shallow (Wat	er-Table)	Monitor	ing		Aud D	atan:
Off-Site Private Property						or Deep Monitoring		Mud Rotary	
	Flush-to-Grade		Remediation or Other (describe)			Surface Casing Install Metho			
If AG, list feet of riser above land su		3	***************************************				Hollo	w Ste	m Auger
Borehole Depth Well De		hole Diameter Manhole D	iameter	Well Pad	Size:				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
(feet): 52 (feet):	52 (inch		8			feet	by <u>2</u>	feet	
Riser Diameter and Material:	Riser/Scr	,		Riser Len	gth:	42 1	feet		
Schedule 40 PVC	Connection	ons:			from	0	feet to	42	feet
Screen Diameter and Material:	- 01-0-10000 telestresis (10000	Screen Slot Size:		Screen Le	ngth:	10 f	eet	*************	<del>77   1885   1886   1886   1886   1886   1886   1886   1886   1886   1886   1886   1886   1886   1886   1886   1</del>
Schedule 40 P	PVC	0.010-ir	ich		from	42	feet to	52	feet
1st Surface Casing Material:	300000000000000000000000000000000000000	1 <sup>st</sup> Surface Casing I.	D. (inches):	1 <sup>st</sup> Surface	e Casing	Length:	38	feet	
also check: Permanent	Tempor	ary 6			from	0	feet to	38	feet
2 <sup>nd</sup> Surface Casing Material:		2 <sup>nd</sup> Surface Casing I	.D. (inches):	2 <sup>nd</sup> Surfac	e Casing	Length	•	feet	
also check:  Permanent	Tempor	ary			from _		feet to		feet
3 <sup>rd</sup> Surface Casing Material:		3 <sup>rd</sup> Surface Casing I.	D. (inches):	3 <sup>rd</sup> Surface	e Casing	Length:		feet	***************************************
also check:  Permanent	Tempora	ry			from		feet to	_	feet
Filter Pack Material and Size: I	Prepacked Filte	r Around Screen (check on	e):	Filter Pack	c Length:		51	feet	
20/30 Silica Sand	☐ Yes	▼ No		1	from	11	feet to	52	feet
Filter Pack Seal Material and	***************************************			Filter Pack	Seal Le	ngth:	0.5	feet	
Size:		30/65 Silica Sand			from	0.5	feet to		feet
Surface Seal Material:		0 1		Surface Se	al Lengtl	h:	0.5	feet	•
		Grout			from	0	feet to	0.5	feet
								Market District	
		WELL DEVELO	PMENT I	)ATA					
Well Development Date:	Well	Development Method (chec	ck one):	Surge/F	omno	Pu	mn F	Comr	ressed Air
08/02/12	V	Other (describe)		,		,		comp	/10350G /111
Development Pump Type (check)	Centri	fugal Peristaltic	Depth to Grou	undwater (t	efore de	velopin	g in feet):		
Submersible   Other (descri	ribe)	,		,		NA	S		
oumping Rate (gallons per minute	e):	Maximum Drawdown of C	roundwater D	uring	Well Pu		y (check on	e);	***************************************
NA		Development (feet):	NA		Г			No	
Pumping Condition (check one):		elopment Water	Development	Duration	Develop	ment W	ater Drumn	ned	***************************************
▼ Continuous	(gallons): 55	(minutes):	37	(check o		∇ Ye		□ No	
Vater Appearance (color and odo	Development:	Water Appearance (color and odor) At End of Development:							
Turbid	gray, no odoi	r	Light brown, no odor						
						, ,			

WELL CONSTRUC	TION OR DEVE	LOPMENT REMARKS	

# ATTACHMENT C

Well Driller Monitoring Well Completion Reports and Permits

Water Mgmt. Dist.:

Permit Number:

Drill Rig:

D120B

Work Order: 712046 Type of Well: Monitor Well Number: **MVV 16A** Method Used: HSA Borehole Diaz.

#### Site Information:

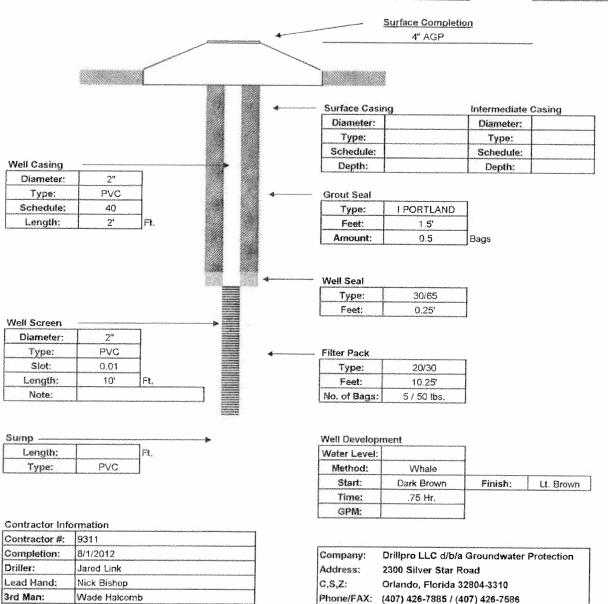
Name: Sandler Landfill Address: 10500 Sandler Rd. C,S,Z: Jacksonville, FL

S/T/R:

Client / Consultant Information

Consultant: Aerostar Field Rep: Jessica Gibson

Well	Well	Well	Screen	Casing	Bags	Sand	Filter	Well	
Diameter	Туре	Depth	Length	Length	Grout	Bags/Weight	Type	Seal	
2"	PVC	12'	10*	2'	0.5	5 / 50 lbs.	20/30	30/65	
40 ◀	Schedule	Slot Size:	<b>▶</b> 0.01		1.51	∢— Feet—▶	10.25'	0.25'	



Phone/FAX:

(407) 426-7885 / (407) 426-7586

Water Mgmt. Dist.:

Permit Number:

Work Order: 712046
Type of Well: Monitor
Well Number: MW 17A
Method Used: H S A

Borehole Diaz. 8"

Site Information;

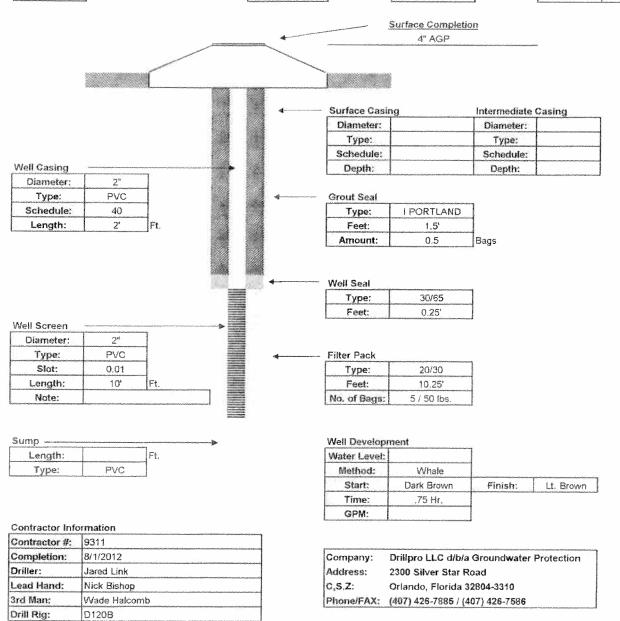
Name: Sandler Landfill
Address: 10500 Sandler Rd,
C,S,Z: Jacksonville, FL

S/T/R:

Client / Consultant Information

Consultant: <u>Aerostar</u>
Field Rep: <u>Jessica Gibson</u>

-	Well	Well	Well	Screen	Casing	Bags	Sand	Filter	Well
	Diameter	Туре	Depth	Length	Length	Grout	Bags/Weight	Туре	Seal
	2"	PVC	12'	10'	2'	0.5	5 / 50 lbs.	20/30	30/65
	40 ◀	Schedule	Slot Size:	0,01		1,5'	Foet →	10.25	0.25



Water Mgmt, Dist.:

Permit Number:

Work Order: 712046
Type of Well: Monitor
Well Number: MW 18A

Method Used: HSA Borehole Diaz. 8"

3rd Man:

Orill Rig:

Wade Halcomb

D120B

Site Information:

Name: Sandler Landfill

Address: 10500 Sandler Rd

C,S,Z:

Z: <u>Jacksonville, FL</u>

(407) 426-7885 / (407) 426-7586

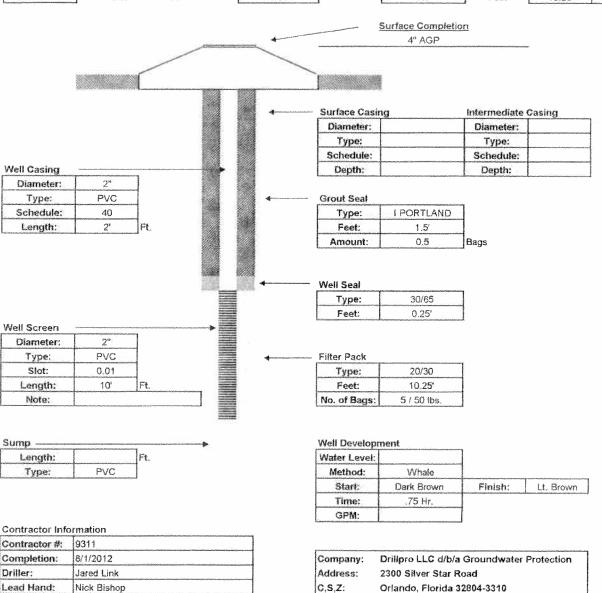
S/T/R:

Client / Consultant Information

Consultant: Aerostar

Field Rep: Jessica Gibson

Well	Well Well		Screen	Casing	Bags	Sand	Filter	Weil	
Diameter	Туре	Depth	Length	Length	Grout	Bags/Weight	Туре	Seal	
2*	PVC	12'	10*	2'	0.5	5 / 50 lbs.	20/30	30/65	
40 ◀	- Schedule	Slot Size:	→ 0.01		1.5'	Feet →	10.25	0.25'	



Water Mgmt. Dist.:

Permit Number:

712046

Monitor

MW 19B

Rotary

Work Order:

Type of Well:

Well Number:

Method Used:

Borehole Diaz. 6"

Site Information:

Name:

Name: Sandler Landfill
Address: 10500 Sandler Rd.

C,S,Z:

Jacksonville, FL

S/T/R:

Client / Consultant Information

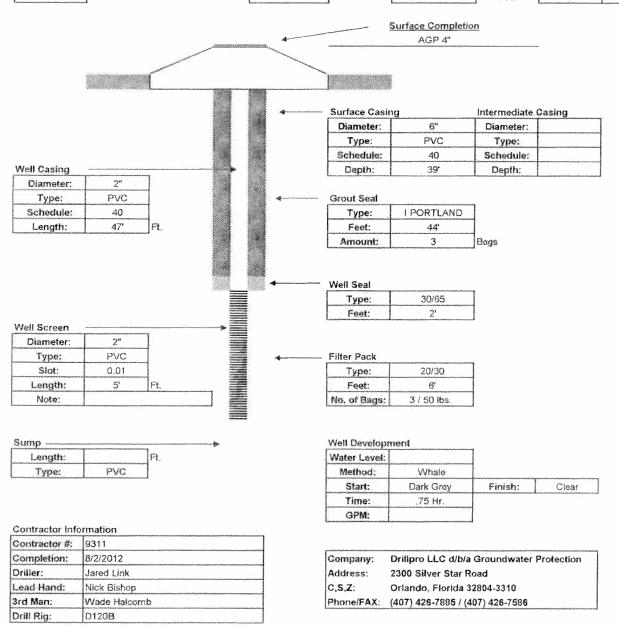
Consultant:

<u>Aerostar</u>

Field Rep:

old Rep: Jessica Gibson

	Well	Well	Well	Screen	Casing	Bags	Sand	Filter	Well	
-	Diameter	Туре	Depth	Length	Length	Grout	Bags/Weight	Туре	Seal	
-	2*	PVC	52'	5'	47'	3	3 / 50 lbs.	20/30	30/65	
-	40 ◀─	Schedule	Slot Size:	➤ 0.01		44'	Feet →	6'	2'	



Water Mgmt. Dist.:

Permit Number:

Work Order: 712046
Type of Well: Monitor
Well Number: MW 208
Method Used: Rotary

Borehole Diaz. 6"

#### Site Information:

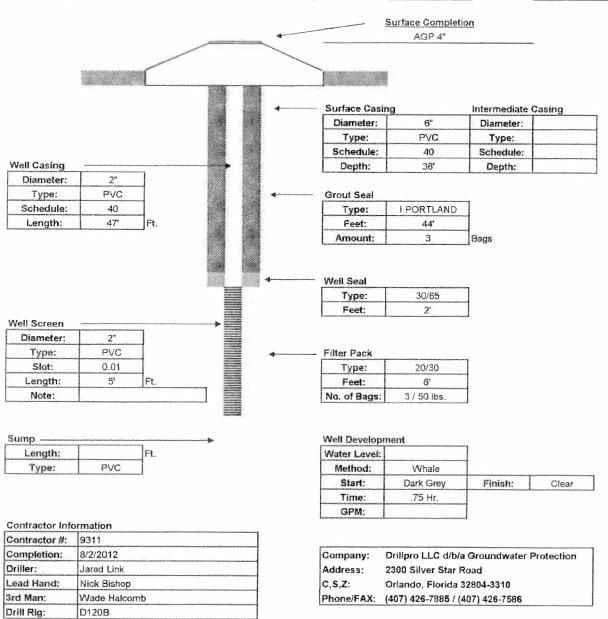
Name: Sandler Landfill
Address: 10500 Sandler Rd.
C,S,Z: Jacksonville, FL

S/T/R:

Client / Consultant Information

Consultant: Aerostar
Field Rep: Jessica Gibson

Well	Well	Weil	Screen	Casing	Bags	Sand	Filter	Well
Diameter	Туре	Depth	Length	Length	Grout	Bags/Weight	Туре	Seal
2"	PVC	52'	5'	47°	3	3 / 50 lbs.	20/30	30/65
40 ◀	- Schedule	Slot Size:	<b>&gt;</b> 0.01		44'	← Feel →	6'	2°



#### STATE OF FLORIDA WELL COMPLETION REPORT Date Stamp Southwest PLEASE FILL OUT ALL APPLICABLE FIELDS Northwest (\* Denotes Required FieldS Where Applicable) St Johns River South Florida Suwannee River DEP 200 Delegated Authority (if Applicable): City of Jacksonville Official Use Only 2012-0870 CUP/WUP No 1. \*Permit Number OID Number 62-524 Delineation No. \_ 2 \* Number of permitted wells constructed, repaired, or abandoned 2 \* Number of permitted wells not constructed, repaired, or abandoned 4. \* Completion Date 8/9/2012 City of Jacksonville 5 Florida Unique ID 0 Sandler Rd - Jacksonville \*Well Location - Address, Road Name or Number, City, ZIP 7 \* County Clay \*Section 17 Land Grant \*Township 3S \*Range 25E Longitude Data Obtained From \_\_\_\_\_ GPS \_\_\_ \_\_ Map \_\_\_\_ Survey Datum: \_\_\_\_\_ NAD 27 \_\_\_\_ NAD 83 \_\_\_\_ WGS 84 10" TYPE OF WORK: X Construction Modification Abandonment 11. Specify Intended Use(s) of Weil(s): Domestic Landscape Imigation Agricultural Irrigation Site Investigation Bottled Water Supply Livestock Recreation Area Irrigation X Monitoring Public Water Supply (Limited Use/DOH) Nursery Irrigation Test Public Water Supply (Community or Non Community/DEP) Commercial / Industrial Earth - Coupled Geothermal Class I Injection Golf Course Irrigation HVAC Supply HVAC Return Class V Injection Commercial/Industrial Disposal Aquifer Storage & Recovery Recharge Drainage Remediation · Recovery Air Sparge Other (Describe) Other (Describe) 12. \*Drill Method. Auger Cable Tool Rotary X Combination (Two or More Methods) X Sonic Horizontal Orilling Hydraulic Point (Direct Push) Other 13. \*Measured Static Water Level ft. Measured Pumping Water Level NA ft After NA Hours a NA GPM Land Surface 14 'Measuring Point (Describe) Which is 0 ft \_\_\_\_\_Above Below Land Surface \* Flowing 15 \* Casing Material: X PVC Stainless Steel Not Cased Black Steel Galvanized 16.\* Total Well Depth: 52 ft. Cased Depth 47 ft. Open Hole From: NA to NA ft Screen:From 47 to 52 It Slot Size 0.010 OTHER (Explain) From ft. No of Bags Seal Material (Check One): Neat Cement Bentonite Other From ft. To ft. No of Bags Seal Material (Check One): Neat Cement Bentonite Other ft To ft. No of Bags Seal Material (Check One): Neat Cement Bentonite Other To No of Bags Seal Material (Check One): Neat Cement Bentonite Other it No of Bags ft To Seal Material (Check One): Neat Cement Bentonite Other SURFACE CASING DIAMETER & DEPTH 6 in From 0 ft. To 38 ft (MW 208) Diam 3 Seal Material (Check One): X Neat Cement Other Bentonite 6 in From 0 ft To 39 ft (MW 19B) Diam. Х 3 Seal Material (Check One): Neat Cement Bentonite Other PRIMARY CASING DIAMETER & DEPTH 2 in Front 0 ft To 44 ft #of bags 3 Seal Material (Check One): Neat Cement Bentonite Other Seal Material (Check One): in From ft To fl # of bags Neat Cement Bentonite Other Diam ft # of bags Seal Material (Check One): Neat Cement Bentonite Other LINER CASING DIAMETER & DEPTH Seal Material (Check One): Diam in, From ft. To in, From ft. To ft # of bags Neat Cement Bentonite Diam ft. # of bags Seal Material (Check One): Neat Cement Bentonite Other TELESCOPE CASING DIAMETER & DEPTH Diam in. From ft. To Seal Material (Check One): ft. # of bags Neat Cement Bentonite Other Dlam. in. From ft To ft. # of bags Seal Material (Check One): Neat Cement Bentonite PUMP TYPE (If Known) CHEMICAL ANALYSIS (When Required) Centrifugal Jet Submersible Turbine ppm Sulfate Chloride Horsepower Pump Capacity (GPM) Laboratory Test Field Test Kit Intake Depth Pump depth WATER WELL CONTRACTOR **James Hinst** Contractor Name: \*License No. 9311 Email Address: Jim@drillprolic.com James Hinst \*Contractor's Signature: \* Driller's Name : Jared Link I certify that the information in this report is accurate & true

## ENVIRONMENTAL QUALITY DIVISION



### Well Permit 2012-0870

Granted To:

COJ Solid Waste Division

Well Type:

Monitoring Well

co Eric Fuller

Permit #;

2012-0870

1031 Superior Street Jacksonville, FL 32254

Well #:

28330

Well Location: 10500 Sandler Road

Contractor: James Hinst

Jacksonville, 32222

License #:

9311

Authorization is hereby granted to construct, repair, alter or abandon well(s) at the above location in accordance with information supplied on the application for permit form according to the following provisions, and with the authority of Chapter 366, City of Jacksonville Ordinance Code (OC). The permittee and any future property owners hereby hold the City of Jacksonville harmless from responsibility to comply with or obtain permits pursuant to any other federal, state, or local law. All permitted work must be accomplished by a well contractor with a valid EQD registration within one year of the issue date. This well shall not be used for the purpose(s) other than that indicated via the following provisions.

#### **Provisions**

- 1. There may be a difference between the items requested in the application for the well and the requirements issued by EQD.
- 2. This well must be constructed, abandoned, repaired or modified in accordance with Chapters 62-532 and 40C-3 FAC.
- 3. A legible and completed copy of the State of Florida Well Completion Report shall be submitted to the Groundwater Section (GS) within 30 days after completion of the permitted well activity.
- 4. A copy of this permit should be given to any future property owner when the property is sold.
- Wells shall be located, constructed, cased, grouted, plugged, capped, or sealed to prevent uncontrolled surface flow, uncontrolled movement of water from one aquifer or water bearing zone to another, contamination of groundwater or surface water resources, or other adverse impacts.
- If confining units are penetrated by a well, construction shall include a casing and grout seal to the confining unit to protect underlying aquifers of differing quality groundwater.
- Bentonite grout shall not be used on well(s) constructed in any identified contamination site.

Well Permit 2012-0870

Page 1 of 2

## ENVIRONMENTAL QUALITY DIVISION

- Well(s) shall be constructed with a locking cap or other security devices(s) meeting the Florida Department of Environmental Protection (FDEP) and SJRWMD specifications.
- Wells permitted or constructed as a monitoring well shall not be used for contamination removal and/or product recovery without first obtaining a recovery well permit from the EQD.
- 10. All wells shall be plugged by a state licensed well contractor within six (6) months after their use has been permanently discontinued, or when the well is determined to be in a state of disrepair and/or subject to abandonment pursuant to Chapter 366, OC, EPB Rule 8, Chapters 62-532 and 40C-3, Florida Administrative Code (FAC), or as otherwise noted in subsequent provisos.
- 11. In the event that the location of monitor well(s) to be constructed/abandoned can not be known until the day of construction, an updated site sketch shall be provided to show the location of each well, with a corresponding identification number, along with the well completion/abandonment report.
- The upper terminus of the well shall extend either to land surface or to finished grade, whichever is higher.
- 13. This permit allows for the construction of 5 well(s) to be used for environmental monitoring. Individually this/these well(s) is/are 2 inch(es) diameter to be completed to an estimated depth of 52 feet below land surface.

Kenin	R	Hayen	_8/6/6	2012
Issued By		•	Date	

2012-0870

\* Permit No.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE (352) 796-7211 OR (800) 423-1476 WWW.SWFWMD STATE FL US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 4049 REID STREET, PALATKA, FL 32178-1427 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA FL 32333-4712 (US HIGHWAY 90, 10 MILES WEST OF TALLAHASSEE) PHONE: (850) 539-5999

WWW\_NWEWMD STATE FLUS

SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW SEWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICE 9225 CR 49 LIVE OAK, FL 32060 PHONE: (386) 362-1001 OR (800) 226-1066 (FLORIDA ONLY) WWW.MYSUWANNEERIVER.COM

om _	0 rt.	To	2 ft.	Color	Dark Gray	Grain Size (F, M, C)	NA	Material	Sand
m .	2 ft.	То	20 ft.	Color	Dark Brown	Grain Size (F, M, C)	NA	Material	Flowing Sand
om 2	20 ft.	То	45 n.	~	Lt. Reddish/Brown		NA	Material	Flowing Sand
m 4	45 ft.	То	52 ft.	Color	Gray/Brown	Grain Size (F, M, C)	ļ.	Material	Sand
m	ft.	То	ft.	Color		Grain Size (F, M, C)	***************************************	Material	
m	ft.	То	ft.	Color		Grain Size (F, M, C)	***************************************	Material	PANIO (di la litera de la composition
m	ft.	То	ft.	Color		Grain Size (F, M, C)		Material	
n	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
m	ft.	То	ft.	Color		Grain Size (F, M, C)		Material	
n	ft.	To	ft.	Color		Grain Size (F, M, C)		Material	
n	ft.	То	ft.	Color		Grain Size (F, M, C)		Material	
m	ft.	То	ft.	Color	***************************************	Grain Size (F, M, C)	VIII.	Material	
								***************************************	***************************************
m	ft.	То	ft.	Color		Grain Size (F, M, C)		Material	
***************************************		To	ft.	Color		Grain Size (F, M, C)		Material	
IMENT	TS		ft.			Grain Size (F, M, C)  Map of Well Location		Material	
MENT	TS	/O	ft.		Detailed Site			Material	
MENT	GP W	/O 9B	ft.					Material	
MENT	TS	/O 9B	ft.					Material	
MENT	GP W	/O 9B	ft.					Material	
MENT	GP W	/O 9B	ft.					Material	
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MENT	GP W	/O 9B	ft.					Material	
MENT	GP W	/O 9B	ft.					Material	
MENT	GP W	/O 9B	ft.					Material	

Give distances from all reference point or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well

#### STATE OF FLORIDA WELL COMPLETION REPORT Date Stamp PLEASE FILL OUT ALL APPLICABLE FIELDS Southwest Northwest (\* Denotes Required FieldS Where Applicable) St. Johns River South Florida ā ā Suwannee River П DEB Delegated Authority (if Applicable): City of Jacksonville Official Use Only 38 DID Number 62-524 Delineation No \_ 2012-0870 CUP/WUP No. \*Permit Number 2 \* Number of permitted wells constructed, repaired, or abandoned 3 \* Number of permitted wells not constructed, repaired, or abandoned City of Jacksonville 4 \* Completion Date 8/9/2012 3 \* Owner's Name 5. Florida Unique ID 0 Sandler Rd - Jacksonville \* Well Location - Address, Road Name or Number, City, ZIP 3S Range 25E 7 \* County \*Section 17 Land Grant \* Township Longitude \_\_ B Latitude 9 Data Obtained From : GPS Datum: \_\_\_\_NAD 27 \_\_\_\_NAD 83 \_\_\_\_WGS 84 10° TYPE OF WORK: X Construction Modification Abandonment 11. Specify Intended Use(s) of Well(s): Agricultural Irrigation Site investigation Domestic Landscape Impation Bottled Water Supply Livestock X Monitoring Recreation Area Irrigation Public Water Supply (Limited Use/DOH) Nursery Irrigation Commercial / Industrial Earth - Coupled Geothermal Public Water Supply (Community or Non Community/DEP) Golf Course Irrigation HVAC Supply HVAC Return Commercial/Industrial Disposal Aquifer Storage & Recovery Class V Injection Recharge Air Sparge Other (Describe) Remediation . Other (Describe) Auger Cable Tool Rotary X Combination (Two or More Methods) 12 \*Drill Method: Hydraulic Point (Direct Push) Horizontal Drilling 13 \*Measured Static Water Level ft Measured Pumping Water Level NA ft After NA Hours a NA GPM Land Surface Which is 0 ft Below Land Surface \* Flowing 14 \*Measuring Point (Describe) Above Galvanized X PVC Black Steel Stainless Steel 15 \* Casing Material: Not Cased Other NΔ NA ft. Screen:From 12 ft Cased Depth 2 ft. Open Hole From: 0.010 16.\* Total Well Depth: to to ft Slot Size OTHER (Explain) \* ARANDONMENT Seal Material (Check One): ft: No of Bags Neat Cement From ft. To ft. No of Bags Seal Material (Check One): Neat Cement Bentonite Other From ft. To Seal Material (Check One): Neat Cement From ft. No of Bags Bentonite Other ft. To tt. No of Bags Seal Material (Check One): Neat Cement Rentonite Other Seal Material (Check One): Neat Cement Bentonite Other From ft. To SURFACE CASING DIAMETER & DEPTH in From ft To ft #of bags in From ft To ft #of bags Seal Material (Check One): Seal Material (Check One): Neat Cement Bentonite Other Diam. Diam. Neat Cement Bentonite Other PRIMARY CASING DIAMETER & DEPTH 2 in From 0 ft. To 1.5 ft # of bags 0.5 Seal Material (Check One): Neat Cement Bentonite Other Diam. Seal Material (Check One): Other Diam in. From To \_\_\_\_ft. # of bags Neat Cement Bentonite ft #ofbags Seal Material (Check One) Neat Cement Bentonite Other LINER CASING DIAMETER & DEPTH Seal Material (Check One): ft To in From ft # of bags Neat Cement Bentonite Other Diam Seal Material (Check One): in. From ft # of bags Bentonite Other Diam Neat Coment \* TELESCOPE CASING DIAMETER & DEPTH Seal Material (Check One): Diam in From ft To ft # of bags Neat Cement Bentonite Other ft. To Seal Material (Check One): in From ft\_ # of bags Neat Cement Bentonite Other Diam CHEMICAL ANALYSIS (When Required) PUMP TYPE (If Known) Submersible Turbine iron \_\_\_\_ppm Sulfate Centrifugal Field Test Kit Pump Capacity (GPM) Horsepower Laboratory Test Intake Depth \_\_\_\_\_ft Pump depth WATER WELL CONTRACTOR 9311 Email Address: .fim@dnllprofic.com James Hinst Contractor Name: \* License No. \* Driller's Name : Jared Link Contractor's Signature: I certify that the information in this report is accurate & true

2012-0870

\* Permit No.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899 PHONE (352) 796-7211 OR (800) 423-1476

WWW SWEWMD STATE OF US

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WWW STRVIND CON

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WWW.MYSHWARDERSIVER COM

WWW. BEWIND GOV

om 2 ft. To 12 ft. Color Dark Brown Grain Size (F, M, C) NA Material Flowing Sand ft. To ft. Color Grain Size (F, M, C) Material	om (	0 ft.	То	2 ft.	Color	ery 20 ft. or at formati Dark Gray	Grain Size (F, M, C)	NA	Material	Sand
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To   ft.   To   ft.   Color   Grain Size (F, M, C)   Material	rom	ft.	То	ft.	Color	<del>nii danii (                                  </del>	**		**************************************	
To   ft.   To   ft.   Color   Grain Size (F, M, C)   Material	rom	ft.	То	***************************************			<del>**</del>		contrates to the contrate to t	
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Detailed Site Map of Well Location  GP WO 712046  MW 16A  MW 17A	rom	ft.	То	ft.	Color	***************************************	**	***************************************	Material	
Detailed Site Map of Well Location  GP WO 712046  MW 16A  MW 17A	rom	ft.	То	ft.	Color	***************************************	Grain Size (F. M. C)		Material	
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MW 17A	MMEN'	TS				Deta	led Site Map of Well Lor	cation		
	MMEN		/O		71204		led Site Map of Well Loa	cation		<b>A</b>
MW 18A	OMMEN	GP W			71204		led Site Map of Well Loc	cation		N
	OMMEN	GP W	6A	- d	71204		led Site Map of Well Loc	cation		N. C.
	OMMEN'	GP W MW 1	6A 7A		71204		led Site Map of Well Loc	cation		N N
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	DMMEN'	GP W MW 1	6A 7A		71204		led Site Map of Well Loc	cation		N Control of the cont
	DMMEN'	GP W MW 1	6A 7A		71204		led Site Map of Well Loc	cation		N N

Give distances from all reference point or structures, septic systems, sanitary hazards, and contamination sources within 500 ft, of well

# ATTACHMENT D

Newly Installed Well Location and Elevation Survey

### MAP SHOWING SPECIFIC PURPOSE SURVEY OF

THE NEW MONITORING WELLS AT THE SANDLER ROAD LANDFILL SITE, 10500 SANDLER ROAD, CITY OF JACKSONVILLE, FLORIDA.





#### MONITORING WELL ELEVATIONS

MONITORING WELL 16A GROUND 75.22 N.RIM PVC 78.07 MONITORING WELL 17A GROUND 75.44' N.RIM PVC. 78.08' MONITORING WELL 18A GROUND 75,09' N.RIM PVC. 78.00' MONITORING WELL 198 N.RIM GROUND 75.71 PVC. 78.37 MONITORING WELL 208 GROUND 76.06' N.RIM PVC. 78.67'

MRE FENCE

### SANDLER ROAD

#### SURVEYORS REPORT & NOTES:

- THIS IS NOT A BOUNDARY SURVEY. THE SPECIFIC PURPOSE OF THIS SURVEY IS TO SHOW THE LOCATION AND ELEVATIONS OF THE NEW MONITORING WELLS ON SITE.
- ELEVATIONS ARE BASED ON THE TOP OF PIPE ELEVATION OF WELL 2A, AS SHOWN ON THE MAP BY ROOMEY & SONS, AS PROVIDED BY THE CLIENT, SAID WELL HAVING AN ELEVATION OF 77.27 FEET (NGVD'29 DATUM)
- 2) COORDINATES ARE BASED ON THE COORDINATES OF WELLS 2A AND TOA, AS SHOWN ON THE MAP BY ROONEY & SONS, AS PROVIDED BY THE CLIENT (NO DATUM GIVEN).



CLIENT: AEROSTAR SES, LLC

### ATLANTIC ~ GULF SURVEYING CO. LAND & ENGINEERING SURVEYS

LICENSED BUSINESS NUMBER L.B. 6228

5736 TIMUQUANA ROAD JACKSONVILLE, FLORIDA 32210 PHONE 904-771-6412 FAX 904-778-8578

JOB NO.	12 52333
DATE OF SURVEY	08-13-2012
FIELD BOOK	403
DATE	06-14-2012
DRAFTER	PNO
man at an	10-1400

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MIETS THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING AS SET PORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS CHAPTER SU-17.061, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

Charle & Delcus 8-16. 2012 CHARLES P. DELCAMBRE P.S.M. PL REG \$5100 DATE

# ATTACHMENT E

Slug Test Graphs

ESTI MATED PARAMETERS: Sander Dead Tender SOLUTI ON METHOD:  $T = 0.02527 tt_2/min$ S = 1.E-08 AQUI FER TYPE: c: / aqt / 3Bout . dat rc = 0.08333 ft TEST WELL: TEST DATE: TEST DATA: Cooper et al. rw = 0.26 ft HO = 1.15 ft DATA SET: 09/10/12 Confined 8/7/12 MW 3B Sandler Road Landfill , -, O U Location Client: 0 0.1 M20011289.00 0.01 0.1 0.8 0.0 0.6 0.2 0.7 0.5 Drawdown Aerostar Project No.:

T * = 0.26 ft  L = 10. ft  b = 36.79 ft  H = 38.79 ft
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: COJ	on: Sandler Road Landfill	andfill	DATA SET:  c:/aqt/38in.dat 09/10/12  AQUI FER TYPE: Confined SOLUTION METHOD: Cooper et al. TEST DATE: 8/7/12 TEST DATE: 8/7/12 TEST DATE: 1 = 0.01842 ft 2/m n S = 1.E.08 TEST DATA: HO = 0.89 ft ro = 0.08333 ft rw = 0.26 ft
Client:	)1.1289.05 Location:	Sandler Road Landfil	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Acrostar	Project No.: M300		nwobws1d 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Sandler Road Landfill  Data Ser.  a. /at/380.052  Data Ser.  a. /at/380.041  Creation  Data Ser.  a. /at/380.041  Data Ser.  a. /at/380.041  Creation	Client: COJ		
1. Sandler Road Landfill		Location:	100 C C C C C C C C C C C C C C C C C C
	and the second s	Sandler Road Landfill	
	ļ (		DATA SET: c:/aqt/3Bin.dat 09/10/12
	0.1		AQUI FER TYPE: Unconfined SOLUTION METHOD: Bouwer-Rice TEST DATE: 8/7/12 TEST DATE: MW 3B EST! MATED PARAMETER K = 0.001248 ft/min y0 = 1.968 ft TEST DATA: H0 = 0.89 ft rc = 0.06333 ft rw = 0.26 ft lw = 0.26 ft the sand

ESTI MATED PARAMETERS: Samon Sa SOLUTI ON METHOD:  $T = 0.02202 \text{ ft}_2/\text{min}$  S = 1.E - 08AQUI FER TYPE: c: / aqt / 6Ai n. dat rc = 0.08333 ft TEST DATE TEST WELL: TEST DATA: Cooper et al. rw = 0.26 ft HO = 1.23 ft DATA SET: 09/10/12 Confined 8/7/12 MW 6A Road Landfill 0 Locat i on: Client: 0.1 Time (min) Sandler M3001.1289.03 0.0 0.9 0.8 0.6 0.7 0.5 0.3 0.2 0.1 Drawdown Aerostar Project No.:

	The state of the s		
Project No.:	M3001.1289.05	Location: Sand er	Road
	Sandl	Sandler Road Landfill	
			DATA SET:
			c:/aqt/6Ain.dat
			09/10/12
	1.1.		AQUI FER TYPE
			Unconfined
			SOLUTI ON METHOD:
			Bouwer - Rice
			TEST DATE:
( †		Access from the contract of th	817/12
<i></i>	J)		TEST WELL:
G.	u.		MAN 6.A
.v. U			ESTI MATED PARAMETERS:
Ρ'n	) D A		K = 0.0006941 ft/min
v1 5	<i>Z</i>	1	yo = 1,25 ft
	Dr 0.1	Annance Control of the Control of th	TEST DATA:
			HO # 1, 23 ft
		- 0	и
	-		L m 10, 26 ft
		0/	12
		0	H = 12, 47 ft
	0.	$\infty$	
	Time	Time (min)	

Sandler Road Landfill  DATA SET:	Dr. old Transcription		Ü	por too
0.9	5		Road Landfil	
0.9 0.0 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		1.		DATA SET: c:/aq1/8Aout.dat 09/10/12
0.5				AQUI FER TYPE: Confined SOLUTI ON METHOD: Cooper et al
0.3		0.0		TEST DATE: 8/7/12 TEST WELL: MW.6A
HO = 1.17 ft	~	0.5		ESTIMATED PARAMETERS  T = 0.02762 ft2/min  S = 1.5.08  TEST DATA
				н н 1, 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Sandler Road Landfill  DATA SET:	herostar		Client:	
1. O.01 C. O.	- 1	00   00	at i on:	
		Sand	ler Road Landfill	
				DATA SET:
				c:/aqt/6Aout.dat 09/10/12
		<i>\$</i>	To the state of th	AQUI FER TYPE:
				Unconfined SOLUTION METHOD:
		, p	7	Bouwer - Rice
	(3			8/7/12
	IJ)	1		TEST WELL:
0.01	U/			MW 6A
0.01 TE	W O I	1.0	0	ESTI MATED PARAMETERS:
TEST DATA:  HO = 1.17 ft  rc = 0.06333  rw = 0.26 ft  le = 10. ft  b = 12.47 ft  H = 12.47 ft  H = 12.47 ft	ом е			K = 0.0509198  ft/min y0 = 1.246  ft
HO = 1.17 ft rc = 0.06333 rw = 0.26 ft rw = 0.26 ft rw = 12.47 ft rw = 1	through the control of the control o			TEST DATA:
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о. 0.6 1.2 1.8 2.4 3.				1 11
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Acrostar	Client:	3	
Project No.: 243001.	289.05 Location:		Road Land
	Sandler Road Landfill	andfill	
.1		### 	DATA SET: //aq1/16Aou 9/10/12
6.0		mijimim	AQUI FER TYPE: Contined SOLUTI ON METHOD
	6		Cooper et al. TEST DATE:
umop O C umop	A	mmpmmm	TEST WELL: MW16A MW16A
9 0			T = 0.005936 ft <sub>2</sub> / min S = 0.008571
0.3			TEST DATA:  H0 = 0.3 ft  rc = 0.08333 ft  rw = 0.26 ft
	0.1 1. Time (min)	10.	

3200		Client:	
Project No.:	M3001, L289,05	Location: Sandler	Road Lande
	Sandle	Sandler Road Landfill	
	e quant		DATA SET: c:/aqt/16Aout.dat 09/10/12
		-	AQUI FER TYPE: Unconfined
Lf)			Bouwer-Rice TEST DATE:
) umo	0.1		MW 16A  ESTI MATED PARAMETERS:
) L S M Q			K = 0.0008914 ft/min y0 = 0.2646 ft
Proof.			HO = 0.3 ft  C = 0.06333 ft  L = 10. ft  H = 11.1 ft
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Project No.:	W3001.1289.05	Location: Sander	
	Sand	Sandler Road Landfill	
			DATA SET: c:/aqt/16Ajn.dat 09/10/12
	0.0		AQUI FER TYPE: Confined SOLUTI ON METHOD:
			Cooper et al. TEST DATE:
иморм	0 0		TEST WELL: MW 18A ESTI MATED PARAMETERS:
Drai	0 4		T = 0.07144 ft <sub>2</sub> /mn S = 1.E-08 TEST DATA:
	0.3		HO = 0.65 ft rc = 0.08333 ft rw = 0.26 ft
	0.	1 1. 10.	

Acrostar		Client: COJ	
Project No.:	W3001.1289.05	Location: Sandler	Y Road Land File
	Sand	Sandler Road Landfill	
			DATA SET: c:/aqt/16Ain.dat
			09/10/12
	_læt		AQUI FER TYPE
			Unconfined SOLUTI ON METHOD:
	<u></u>		Bouwer, Rice
		1	TEST DATE:
(1)	6		8/7/12
<b>(</b> )			HEST WELL:
	!		MAY 16A
M O		TOTAL CONTRACT OF THE PARTY OF	ESTIMATED PARAMETERS:
ρM			K = 0.002195 tt/min
. S A			yo = 0.6601 ft
			TEST DATA:
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	abana para Malaka		T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	0.6	<u>←</u>	
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	Road Landfill	Cont.   A   Cont	
erostar	Sandler Road Landfill	Drawdown (ft)  0.0  0.01  0.01  0.01  1.	

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Client: (65	Location: San	Road Land	1. 1. 10
TOTAL V. C.	W3001.1289.05	Sandler	0.9
X0.702	Project No.:	Addinantina and transport and the state of t	

Project No.: M300]		
and a second of the second of	1289.05 Location: San	Sandler Road Landfill
	Sandler Road Landfill	
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freed		c: / aqt / 17Ai n. dat 09/10/12
ld <i>k</i>		AQUI FER TYPE:
		Unconfined
лочи		SOLUTI ON METHOD:
		Bouwer - Rice
	9	EST DATE:
7 J)	12	TEST WELL:
load	Ø	. MAN 17A
WO		ESTI MATED PARAMETERS:
D.		X = 0.001451 ft/min
y w	<del></del>	yo = 0.6186 ft
J(		TEST DATA:
	7	H0 = 0.73 ft
ADDIS.		ro # 0,06333 ft
		L = 10, 1t
		D = 9,74 ft
0.01		
Ö	0.6 1.2 1.8 2.4 3. Time (min)	

ESTI MATED PARAMETERS:  $T = 2.6288E-05 \text{ ft}_2/\text{min}$ S = 0.00433Location: Sandler Road Landfi SOLUTI ON METHOD: AQUI FER TYPE: c: / aqt / 19Bi n. dat rc = 0.08333 ft TEST WELL: TEST DATA: TEST DATE: Cooper et al FW = 0.26 ft DATA SET: HO = 1.39 ft 09/10/12 Confined 817112 MW 19B 1000 Sandler Road Landfill 0 100. Client: 1. 10. Time (min) M3001.1289.05 0.1 0.8 0.9 9.0 0.7 0.5 0.5 0.3 0.1 Drawdown Acrostar Project No. :

401.08 tal.		Client: (0)	The second secon
Project No.:	W3061.1289.05	Location: Sandler	
	Sandler Road Landfill	ad Landfill	
	.01		DATA SET: c:/aqt/198in.dat 09/10/12
			AQUI FER TYPE: Unconfined SOLUTI ON METHOD: Bouwer-Rice
(fl) u			8/7/12 TEST WELL: MW 198
r a w d o w	1.		ESTI MATED PARAMETERS:  K = 5.9274E.06 ft/min  y0 = 1.315 ft
U			TEST DATA:  HO = 1.39 ft  rc = 0.08333 ft  rw = 0.26 ft  L = 10. ft  b = 47.53 ft  H = 47.53 ft
	0.1	129.6 162.	

ESTI MATED PARAMETERS: K = 1.3679E-05 ft/min SOLUTI ON METHOD: AQUI FER TYPE: c: / aqt / 20bi n. dat rc = 0.08333 ft y0 = 0.3663 ft TEST WELL: TEST DATE TEST DATA: HO = 0.66 ft rw = 0.26 ft DATA SET: b = 47.39 ft H = 47.39 ft Bouwer - Rice Unconfined L = 5. ft 09/10/12 8/7/12 MAY 20B 333. Sandler Road Landfill 0.01 Location: 266.4 Client: 199.8 133.2 199.8 Time (min) M3001.1289.05 9.99 0 Drawdown (ft) Aerostar Project No.:

Serios Car	Colient: COS	
Project No.: M3001.1289.05	Location: Sandler	Road Landfill
Sandle	Sandler Road Landfill	
		DATA SET: c:/aqt/20Bout.dat 09/10/12
0.9	millimini Tillimini	AQUI FER TYPE: Confined SOLUTI ON METHOD:
	/6	Cooper et al. TEST DATE:
9. 0		TEST WELL:
bws10 c 4.		ESTI MATED PARAMETERS: T = 0.0006126 ft <sub>2</sub> /min S = 0.052
0 0 8 2		TEST DATA; H0 = 1.01 ft rc = 0.06333 ft rw = 0.26 ft
0.1		

	Road Landfill		DATA SET:  c:/aq1/20Bout.dat  09/10/12  AQUI FER TYPE: Unconfined SOLUTI ON METHOD: Bouwer-Rice TEST DATE: 8/13/12  TEST WELL: MW 20B  ESTI MATED PARAMETERS: K = 0.0002412 ft/min y0 = 0.7853 ft  TEST DATA: H0 = 1.01 ft cc = 0.08333 ft rw = 0.26 ft L = 10. ft b = 47.39 ft H = 47.39 ft
Olient: COJ	Location: Sandler	Sandler Road Landfill	2000000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	W300511289.05	Sandl	10. 1.6 3.2 Time
Acrostar	Project No.	A CAMPAGNA AND AND AND AND AND AND AND AND AND A	(+3) amobweal

## ATTACHMENT F CD Containing Laboratory Analytical Reports, Filed Sampling Forms and Chain of Custodies