



# FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Noah Valenstein**  
Secretary

September 9, 2020

## NOTICE OF PERMIT MODIFICATION

By-Email

[byerk@hillsboroughcounty.net](mailto:byerk@hillsboroughcounty.net)

In the Matter of an  
Application for Permit by:  
Hillsborough County Public Works Department  
Solid Waste Management Division  
322 North Falkenburg Road  
Tampa, Florida 33610

Hillsborough County  
WACS # 41193  
Southeast Landfill

Attention: Kimberly A. Byer

DEP File No: 35435-028-SO-MM

Pursuant to Sections 403.061(14) and 403.707, Florida Statutes, the Department hereby issues modification number 35435-028-SO-MM. The following conditions of permit number 35435-022-SO-01 are modified as follows:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Page 1	Existing	Amended	Addition of Permit Modification No. 35435-028-SO-MM
Section 1.C	Existing	Amended	Updated Facility Description to revise status of Biosolids Composting Facility
2.C.1	Existing	Amended	Updated reference to revised Appendix 2, Document 2
2.C.3.a.5	Existing	Amended	Updated reference to revised Appendix 2, Document 12
2.C.6	Existing	Amended	Updated to reference revised Sequence Drawings
2.C.12.a	Existing	Amended	Updated reference to revised Appendix 2, Document 5
2.C.12.f	Existing	Amended	Updated include the Capacity Expansion Area
2.C.14	Existing	Amended	Updated to revise status of Biosolids Composting Facility
2.C.15	Existing	Amended	Updated reference to revised Appendix 2, Document 12
2.C.16	Existing	Amended	Revised to be consistent with 62-701.500(4)(a), F.A.C.
2.F.1	Existing	Amended	Added Financial Assurance submittal email address
2.F.2.e	Existing	Amended	Updated cost estimate submittal email address
Appendix 2	Existing	Amended	Addition of Documents 1 through 5 related to Permit Modification No. 35435-028-SO-MM and renumbering of Documents
Appendix 3 Part II.1 and II.3	Existing	Amended	Updated to reflect revised number of monitor wells

Appendix 3 Table 1	Existing	Amended	Updated to reflect revised monitor well and piezometer list
Appendix 3 Figure 1	Existing	Amended	Updated to reflect revised monitor well and piezometers in monitoring network
Attachment 1	Existing	Amended	Revised to be consistent with 62-701.500(4)(a), F.A.C.
Attachment 2	Existing	Amended	Permit History revised with addition of Permit Modification No. 35435-026-SO-MM

Attached is Permit Number 35435-022-SO-01 as modified by this Order. The attached permit replaces all previous permits and permit modifications for this facility.

### **NOTICE OF RIGHTS**

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

#### Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at [Agency\\_Clerk@dep.state.fl.us](mailto:Agency_Clerk@dep.state.fl.us). Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

#### Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within **14** days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within **14** days of publication of the notice or within **14** days of receipt of the written notice, whichever occurs first. The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative

determination (hearing under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

#### Extension of Time

Under Rule 62-110.106(4, F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency\_Clerk@dep.state.fl.us, before the deadline for filing a petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

#### Mediation

Mediation is not available in this proceeding.

#### Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

### **EXECUTION AND CLERKING**

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

**Kimberly A.  
Walker**

Digitally signed by  
Kimberly A. Walker  
Date: 2020.09.09 13:07:29  
-04'00'

Kimberly A. Walker

Program Administrator, Permitting and Compliance Assistance Program

#### **Attachment(s):**

1. Permit No. 35435-028-SO-MM

### **CERTIFICATE OF SERVICE**

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Larry Ruiz, Hillsborough County  
Kollan Spradlin, P.E., SCS Engineers  
Elizabeth Kromhout, P.G., FDEP  
Steve Morgan, FDEP  
FDEP Southwest District

[RuizLE@HillsboroughCounty.org](mailto:RuizLE@HillsboroughCounty.org)  
[KSpradlin@SCSEngineers.com](mailto:KSpradlin@SCSEngineers.com)  
[Elizabeth.Kromhout@FloridaDEP.gov](mailto:Elizabeth.Kromhout@FloridaDEP.gov)  
[Steve.Morgan@FloridaDEP.gov](mailto:Steve.Morgan@FloridaDEP.gov)  
[SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov)

Ms. Kimberly A. Byer  
September 9, 2020  
Page 4 of 4

**FILING AND ACKNOWLEDGMENT**

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

*Tamela Starling*  
Clerk

9/9/2020  
Date



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

BOB MARTINEZ CENTER  
2600 BLAIRSTONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT  
GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

Permit Issued to:

Hillsborough County Public Utilities Department  
925 East Twiggs Street  
Tampa, Florida, 33602  
813-272-5977 Ext 43338

WACS Facility ID No.: 41193  
Facility Name: Southeast County Landfill  
Facility Address: 15960 County Road 672  
Lithia, FL, 33547, Florida

Contact Person:

Ms. Kimberly A. Byer, Manager, Solid Waste Management Division  
925 E. Twiggs Street  
Tampa, Florida, 33602  
[byerk@hillsboroughcounty.org](mailto:byerk@hillsboroughcounty.org)  
813-612-7718

Solid Waste Operation Permit - Class I Landfill  
Permit No.: 35435-022-SO-01  
Replaces Permit No.: 35435-014-SO-01  
Permit Modification No.:35435-023-SO-IM  
Permit Modification No.:35435-024-SO-MM  
Permit Modification No.:35435-025-SO-MM  
Permit Modification No.:35435-026-SO-MM  
Permit Modification No.:35435-028-SO-MM

Permit Issued: 11/7/2013  
Permit Renewal Application Due Date: 9/6/2023  
Permit Expires: 11/7/2023

Permitting Authority  
Florida Department of Environmental Protection  
Permitting and Compliance Assistance Program  
2600 Blair Stone Rd/MS45656  
Tallahassee, Florida 32399  
850-245-8707 (voice)  
850-245-8811(fax)

## SECTION 1 - SUMMARY INFORMATION

### A. Authorization

The permittee is hereby authorized to operate the facility described below in accordance with the specific and general conditions of this permit and any documents attached to this permit or specifically referenced in this permit and made a part of this permit.

This solid waste operation permit is issued under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code Chapters 62-4 and 62-701.

This permit does not relieve the permittee from complying with any other appropriate local zoning or land use ordinances or with any other laws, rules or ordinances. Receipt of any permits from the Department does not relieve the applicant including those from other Sections within the Department or of the Water Management District.

### B. Facility Location

15960 County Road 672  
Lithia, FL, 33547, Florida  
Sections 13-15, 18, 19, 22, 23, 24/ Township/ 31South/ Range 21-22 East  
Phases I-IV Latitude: 27° 46' 26"N, Longitude: 82° 11' 01"W  
Landfill Sections 7/8 Latitude: 27° 46' 39" N, Longitude: 82° 10' 34" W  
Landfill Section 9 Latitude: 27° 46' 15" N, Longitude: 82°11' 24" W  
NGVD 1929, WGS 84

### C. Facility Description

This Operation Permit Renewal authorizes continued operations at the Southeast County Landfill facility located 8.8 miles east of US Highway 301 on CR672 in Hillsborough County, Florida. The facility is a Class I Landfill, having approximately 196.9 total acres of total disposal area (162.4 acres in Phases I-IV, 34.5 acres in Sections 7, 8 and 9) with a maximum daily load of 2000 tons per day under normal operating conditions. A ~~pilot~~ biosolids composting facility (BCF) operates at the facility. The BCF is located at the former waste tire processing facility located west of the Capacity Expansion Area. ~~on an inactive lined area of Sections 7-9 of the Capacity Expansion Area. The BCF Building and Biosolids Receiving area are curbed to contain residual moisture. Stormwater runoff that enters the BFC Building or the Biosolids Receiving Area is treated as leachate.~~ The facility includes a landfill gas collection system and a leachate disposal system. The facility has a Title V Air Permit (#0570854-008-AV expires December 17, 2018). The facility is required to meet the requirements of 62-701.530, F.A.C. and the facility's Title V Air Permit. The Temporary Ash Re-use Screening and Storage Area Operations, approximately 5 acres, will be located within the Phase III disposal area as part of an ash re-use demonstration project.

**General Information**

<b>Phases I-VI:</b>	
Disposal acres	162.4 acres
Lowest elevation	+113 feet NGVD (approx.) (2001)
Bottom liner design	In-situ phosphatic clay w/single 36 mil CSPE tied in as side liners
LCS design	LCS: gravel, tire chips in trenches; 8" HDPE & 8" PVC pipes to perimeter & Pump Stations A, B and PS-2. Dewatering wells DW 1-1, DW 1-2, DW2-1, and DW 2-2.
Final elevation	+258 feet NGVD
Slopes	4H:1V side slopes (exterior), 5% top
Gas collection & control system	See Permit No. 35435-016-SC/01, or its successors

<b>Section 7/8:</b>	
Disposal acres	19.3 acres
Lowest elevation	+121 feet NGVD
Bottom liner design	Double, 60 mil HDPE
LCS design	Primary LCS piping on composite geonet
LDS design	Composite geonet
Action leakage rate (ALR)	100 gal/ac/day
Slopes	3H:1V side slopes (exterior), 5% top slope
Gas collection & control system	See Permit No. 35435-016-SC/01, or its successors

<b>Section 9:</b>	
Disposal acres	15.2 acres
Lowest Bottom elevation of cell (secondary liner leak detection sump)	+120.0 ft. NGVD  Geomembrane subliner directly below GCL and extending up to elevation +126.0 ft. NGVD to protect GCL from fluctuations in groundwater
Liner system (bottom to top)	60 mil textured geomembrane subliner, geosynthetic clay liner (GCL), 60 mil textured HDPE geomembrane, 250 mil geocomposite (non-woven GT/geonet/non-woven GT), 60 mil textured HDPE geomembrane, 250 mil geocomposite (non-woven GT/geonet/non-woven GT), 1-foot drainage sand, 1-foot tire chips
LCS drainage system	Drainage/protective sand $\geq 1 \times 10^{-3}$ cm/sec  One trench draining from northeast to southwest. 8-inch SDR 11 HDPE perforated LCS piping.  LCS pipe drain to sump on southwest perimeter, then pumped through side slope risers through force main to onsite Leachate Treatment Facility
LDS drainage system	Geocomposite to center trench and sump, then same as LCS
Action leakage rate (ALR)	306 gal/ac/day
Side slopes max.	3H:1V
Top elevation at final build out (Sections 7/8/9)	Max. +285.0 feet NGVD
Design life	28 months (Section 7/8/9) w/o Phases I-VI
Leachate storage tanks	One 500,000-gallon glass fused steel storage tank.
Effluent Storage tank	One above ground welded steel tank w/chemical resistant interior coating; approximately 575,000 gal. max capacity (500,000 gal. nominal capacity w/zero freeboard)

#### D. Appendices Made Part of This Permit

APPENDIX 1 - General Conditions

APPENDIX 2 – List of Approved Documents Incorporated Into the Permit

APPENDIX 3 – Water Quality Monitoring Plan

APPENDIX 4- Restrictive Covenant for Use of On-Site Soils

#### E. Attachments for Informational Purposes Only

ATTACHMENT 1 - Time Sensitive Action Chart

ATTACHMENT 2 - Permit History

### SECTION 2 - SPECIFIC CONDITIONS

#### A. Administrative Requirements

1. Documents Part of This Permit. The permit application as revised in final form replaced or amended in response to the Department's Request(s) for Additional Information are contained in the Department's files and are made a part of this permit. Those documents that make up the complete permit application are listed in APPENDIX 2.
2. Permit Modification. Any change to construction, operation, monitoring, or closure requirements of this permit may require a modification to this permit, in accordance with the provisions of Rule 62-701.320(4), F.A.C.
3. Permit Renewal. In order to ensure uninterrupted operation of this facility, a timely and sufficient permit renewal application must be submitted to the Department in accordance with Rule 62-701.320(10), F.A.C. A permit application submitted at least 61 days prior to the expiration of this permit is considered timely and sufficient.
4. Transfer of Permit or Name Change. In accordance with Rules 62-701.320(11) and 62-4.120 F.A.C., the Department must be notified by submitting Form 62-701.900(8) within 30 days: (a) of any sale or conveyance of the facility; (b) if a new or different person takes ownership or control of the facility; or (c) if the facility name or permittee's legal name is changed.



5. **Permit Fee Payment Schedule.** The total permit fee required for this permit is \$20,000. The permittee has elected to pay this fee in installments in accordance with Rule 62-701.315(13), F.A.C., and submitted a fee of \$10,000 with the initial application. No later than November 7, 2018 the permittee shall submit to the Department an installment payment for the balance of the permit fee in the amount of \$10,000. This fee is due the State regardless of whether the permittee closes the facility, surrenders the permit, has the permit revoked, or transfers the permit before it expires. If the permittee elects to transfer the permit, it must either pay the entirety of the fee due before submitting the application for transfer, or it must include with the transfer application a signed agreement from the proposed transferee to accept responsibility for the remainder of the permit fee due.
6. **Submittals Due at Five Years.** No later than November 7, 2018 the permittee shall submit a report to the Department that contains the following:
  - a. An updated closure plan to reflect changes in closure design, long-term care requirements, and financial assurance requirements.
  - b. A revised closure cost estimate, made by recalculating the total cost of closure or long-term care, in current dollars.
  - c. A demonstration that the leachate collection system has been water pressure cleaned or inspected by video recording.
  - d. An updated operation plan, if operational procedures have changed.

#### B. Construction Requirements

1. This Permit does not authorize construction activities.

#### C. Operation Requirements

1. **General Operating Requirements.** The permittee shall operate the landfill in accordance with the approved Operation Plan dated ~~June 15, 2020~~ ~~October 29, 2018~~ (Appendix 2, Document ~~2-4~~). The Department shall be notified before any changes, other than minor deviations, to the approved Operation Plan are implemented in order to determine whether a permit modification is required.
2. **Operation Plan.** A copy of the approved Operation Plan, including the operating record as defined in Rule 62-701.500(3), F.A.C., shall be kept at Southeast County Landfill, 15960 County Road 672, Lithia, FL and shall be accessible to landfill operators.
3. **Authorized Waste Types.** The facility is authorized to manage only the following waste types:
  - a. Waste types defined in Rule 62-701.200, F.A.C.:
    - 1) Class I waste.
    - 2) Yard Waste and Land Clearing Debris (Operation Plan Section K.2.c)

- 3) White goods (Operation Plan Section K.2.c).
- 4) Shredded Waste tires (Operation Plan Section K.2.c).
- 5) Ash Residue (Operation Plan Section K.2.c. and Temporary Ash Screening and Storage Project, Operation and Maintenance Plan Appendix 2, Document [12 7](#), Specific Condition 2.C.15)
- 6) Asbestos Waste (Operation Plan Section K.2.c.4).
- 7) Wastewater treatment biosolids (Operation Plan Section K.2.c.5).
- 8) Motor Homes (Operation Plan Section K.2.c.2).
- 9) Special Waste (Operation Plan Section K.2.c.1).

b. Other Wastes Specifically Authorized: None

4. Unauthorized Waste Types. The facility is not authorized to accept process or dispose any waste types not listed in C.3, above. In addition, the facility is not authorized to accept, process or dispose of liquids, used oil as a special waste, lead acid batteries, motor vehicles and shredded waste (except for shredded tires from the on-site tire shredding facility). Any unauthorized waste inadvertently received by the facility shall be managed in accordance with Sections K.2.c (1) and K.6 of the Operation Plan.
5. Waste Management and Handling
  - a. Solid waste shall be formed into cells to construct horizontal lifts. The working face of the cell, and side grades above land surface, shall be at a slope no greater than three feet horizontal to one-foot vertical rise or, as authorized by this permit, in accordance with the approved operation plan.
  - b. No solid waste shall be disposed of outside of the permitted footprint of the solid waste disposal units.
  - c. The sequence of waste filling shall be as specified in Sections K.2.f and K.7 of the Operation Plan. Interceptor berms shall be maintained around the working area to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste.
6. Landfill Elevation. The final (maximum) elevation of the Landfill at final buildout shall not exceed 285 feet NGVD in Sections 7 to 9 as shown on Drawing [6 8](#) of Capacity Expansion Area Sections 7,8,9 Operating Sequence dated June [15 7](#), [202043](#) and 258 feet NGVD in Phases I-IV as shown on Drawing [11 40](#) of Phases I-VI Operating Sequence dated June [15 7](#), [202043](#) ([Appendix E, Approved Operation Plan](#)).
7. Initial Waste Placement. The first layer of waste placed above the liner and leachate collection system shall be a minimum of four feet in compacted thickness and consist of selected waste containing no large rigid objects that may damage the liner or leachate collection system. The selected waste will be MSW and ash

not containing large rigid objects and will be spread and compacted from the top of the working face.

8. Cover Requirements: All solid waste disposed on in the Class I landfill shall be covered as required by Rule 62-701.500 (7), F.A.C.
  - a. Initial cover shall be applied and maintained daily in accordance with Rule 62-701.500(7) (e), F.A.C., and Sections K.7.e and K.7.f of the Operation Plan so as to protect the public health and welfare. All solid waste disposed of in the Class I disposal area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department in writing, at the end of each working day.
  - b. Alternate initial cover materials not identified herein shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary cover or tarpaulin.
    - 1) Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover within the bermed working area.
    - 2) Municipal solid waste ash, or a 50% ash and 50% mulch mixture, applied in a six (6) inch compacted layer may be used as initial cover within the bermed working area.
    - 3) A 50% soil and 50% mulch mixture applied in a six (6) inch compacted layer may be used as initial cover (Operation Plan Sections K.7.e and K.7.f).
    - 4) Ditch cleanings, storm water sediments, and street sweepings, that are adequately dewatered and have had solid wastes removed, may be used for initial cover. Ditch cleanings, stormwater sediments, and street sweepings that will be used for initial cover shall be stored within the lined landfill footprint.
  - c. Intermediate cover shall be applied and maintained in accordance with Rule 62-701.500(7) (f), F.A.C. An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion at all landfills if final cover or an additional lift is not to be applied within 180 days of cell completion (Operation Plan Section K.7.g).
  - d. Materials that have been used for intermediate cover may be removed and reused only if the materials are free of waste (Operation Plan Section K.7.g).
9. Erosion Control: Erosion control measures shall be employed to correct any erosion which exposes waste or causes malfunction of the storm water management system. Such measures shall be implemented within three days of occurrence. If the erosion cannot be corrected within seven days of occurrence, the landfill operator shall notify the Department and propose a correction schedule.

10. Contingency Plan and Notification of Emergencies. The permittee shall notify the Department in accordance with the approved Contingency Plan. Notification shall be made to the Solid Waste Section of DEP's Southwest District at 813-407-5700 or at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us).
11. Housekeeping. The facility shall be operated to control dust, vectors, litter and objectionable odors. If objectionable odors are confirmed beyond the landfill property boundary, the owner or operator shall comply with the gas management requirement in Section 2, Part E of this Permit.
12. Leachate Management.
  - a. The permittee shall operate the leachate management system (including the collection, removal, storage, and on-site treatment systems), and maintain the system as designed, so that leachate is not discharged from the system except as provided for in the Leachate Management Plan dated ~~August 13, 2020~~ ~~November 2015~~ and included as part of the approved Application Documents (Appendix 2, Document 5 ).
  - b. Routine inspections and maintenance of the leachate management system shall be conducted in accordance with the schedule established in the Leachate Management Plan.
  - c. The leachate collection pipes shall be cleaned or video inspected at least once every five years. A summary of the results shall be included in the submittal required in Specific Condition A.6 in Section 2.
  - d. The permittee shall record quantities of leachate generated on a daily basis in gallons/day, shall record precipitation at the facility, and shall compare these measurements.
  - e. The permittee shall compare the leachate flow rates in the leak detection system with the design action leakage rates (ALR) for the double liner (Section 1, Part C of this Permit). If measurements indicate the ALR has been exceeded, the permittee shall notify the Department and conduct an assessment to determine the cause of the leak. This data shall be made available to the Department upon request.
  - f. Spray irrigation of effluent from the leachate treatment facility is allowed over intermediately closed portions of Phases I-VI and the lined Capacity Expansion Area of the landfill in accordance with Section 8.3.2 of the Leachate Management Plan. Under no circumstance shall treated leachate effluent be allowed to discharge as runoff to adjacent storm water systems or conveyance ditches.
13. Spotters and Operators. This facility shall have the minimum number of spotters present when waste is accepted as specified in the operation plan. A trained operator shall be on duty at the facility at all times the facility is operating. Approved training courses can be found at the following web site: <http://landfill.treeo.ufl.edu/courses.aspx>.

14. ~~Composting. A Biosolids Composting Facility (BCF) is located at the facility. The BCF operates under the Hillsborough County Falkenberg Road Advanced Wastewater Treatment Facility Permit Number FL0040614. The BCF Building and Biosolids Receiving area are curbed to contain residual moisture. Stormwater runoff that enters the BFC Building or the Biosolids Receiving Area is treated as leachate. Leachate is conveyed to two 25,000-gallon storage tanks located at the BCF. Leachate is hauled by tanker truck to a permitted disposal facility. A biosolid pilot facility is located on an inactive lined area of Sections 7-9 of the Capacity Expansion Area. This area is covered with 18 inches of compacted interim cover material, and located within the landfill's leachate collection system. The working pad is an approximate 6-inch thick layer of compacted asphalt. The pad is graded so that any leachate and surface run-off from the materials mixing area and active windrow curing processing area will be directed to a sump draining into the underlying landfill leachate collection and removal system. Composting is conducted in accordance with the Composting Operation and Maintenance Plan (Appendix 2, Document 20-15)~~
15. Temporary Ash Re-Use Aggregate Screening and Storage. Up to 25,000 tons of ash from the Hillsborough County Waste to Energy facility may be stored and segregated on approximately 5-acres of the Phase III disposal area as part of an ash re-use demonstration project. The area is covered with approximately 24-inches of soil and grass and is located within the landfill's leachate collection system. Containment berms surrounding the project area will direct runoff within the containment area to the underlying leachate collection and removal system. All operations in the ash screening and storage area shall be conducted in accordance with the Temporary Ash Aggregate Screening and Storage Project, Operation and Maintenance Plan (Appendix 2, Document 12 7). The processing and screening areas will be restored to pre-project conditions upon completion of the demonstration project. The remaining unused ash and ash residual will be removed for disposal in the Class I landfill. The project area will be graded to match the grades shown on the Phases I-VI Operating Sequence drawings dated June 7, 2013, and then seeded and mulched.
16. Record Keeping Requirements.
  - a. Waste Quantity Records. Waste records shall be compiled monthly, and copies shall be provided to the Department no less than annually by January 15. This information shall be reported to the Department through the DEP Business Portal located at: <http://www.fldeportal.com/go>.
  - b. Estimate of Remaining Life. The permittee shall submit the annual estimate of the remaining life and capacity by September 1. The report is required by Rule 62-701.500(13) (c), F.A.C. and must be submitted to the District Office at:  
[SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) and to:  
Florida Department of Environmental Protection  
Solid Waste Section, MS 4565  
2600 Blair Stone Road  
Tallahassee, Florida, 32399-2400

17. Hazardous Waste. If any regulated hazardous wastes are discovered to be deposited at the facility, the facility operator shall promptly notify the Department, the person responsible for shipping the wastes to the facility, and the generator of the wastes, if known. The area where the wastes are deposited shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the facility operator shall assure the cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility. In the event that hazardous wastes are discovered they shall be managed in accordance with the procedures provided in Sections K.2.c and K.6 of the Operation Plan.
18. Stormwater. Leachate shall not be discharged into the storm water management system. Stormwater or other surface water which comes into contact with or mixes with the solid waste or leachate shall be considered leachate and is subject to the requirements of Rule 62-701.500(8), F.A.C.

#### D. Water Quality Monitoring Requirements

1. Zone of Discharge. The zone of discharge for this site is illustrated on Figure 1 in APPENDIX 3 and shall extend horizontally 100 feet from the limits of the landfill liner (all active, inactive and closed waste disposal areas) or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer. The permittee shall ensure that Class G-II water quality standards will not be exceeded at the boundary of the zone of discharge, per Rule 62-520.420, F.A.C., and that ground water minimum criteria will not be exceeded outside the boundary of the zone of discharge, per Rule 62-701.320(17), F.A.C.
2. Water Quality Monitoring Plan. The Water Quality Monitoring Plan for this permit is included as APPENDIX 3.

#### E. Gas Management System Requirements

1. Construction Requirements. All construction shall be done in accordance with the approved gas management system design, drawings, and specifications. The Department shall be notified before any changes, other than minor deviations, to the approved design are implemented in order to determine whether a permit modification is required. The gas monitoring program is described in Section K-9.a of the Operation Plan. Gas monitoring points are specified in the table below and shown graphically on Figures F-1 through F-4 of Appendix F of the Operation Plan.

<u>Monitoring Probe #</u>	<u>Location Description</u>
LFG-1	South property boundary
LFG-2	Southwest property boundary
LFG-3	Northwest property boundary
LFG-4	North property boundary
<u>Ambient Monitoring Location #</u>	<u>Location Description</u>
SP-1	Scale house/Admin. Bldg.

SP-2	↓
SP-3	↓
SP-4	↓
SP-5	↓
SP-6	↓
SP-7	↓
SP-8	Scale house/Admin. Bldg.
SP-9	Maintenance Building
SP-10	↓
SP-11	↓
SP12	↓
SP-13	Leachate Treatment Facility Office
SP-14	↓
SP-15	↓

2. Certification of Construction Completion. After construction is completed the engineer of record shall certify to the Department in accordance with Rule 62-701.320(9)(b), F.A.C., that the permitted construction is complete and was performed in substantial conformance with the approved construction plans except where minor deviations were necessary. All deviations shall be described and the reasons therefore enumerated.
3. Operational Requirements. Gas controls shall be operated and maintained so that they function as designed and in accordance with Section K.9.b of the Operation Plan.
4. Monitoring Requirements. Monitoring for methane gas at the property boundary and within structures on the property shall be performed quarterly to determine the effectiveness of the gas migration controls. The gas monitoring results shall be reported as a percent of the lower explosive limit (LEL), calibrated to methane. The report shall be submitted to the Department's District office at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) or under separate cover no later than 15 days after the end of the period in which the monitoring occurred.
5. Gas Remediation Plan. The facility landfill gas management system shall be operated to prevent the concentration of combustible gases from exceeding 25% of the lower explosive limit in structures, excluding gas control or recovery components, and from exceeding the lower explosive limit at or beyond the property boundary. If either of these limits is exceeded then a gas remediation plan shall be designed and implemented in accordance with Rule 62-701.530(3)(a), F.A.C.
6. Odor Remediation Plan. The facility shall be operated to control objectionable odors. If objectionable odors are confirmed beyond the property boundary then upon notification by the Department the permittee shall develop and implement an odor remediation plan in accordance with the requirements of Rule 62-701.530(3)(b), F.A.C.

F. Financial Assurance and Cost Estimates

1. Financial Assurance Mechanism. The permittee may not receive waste for disposal or storage in any disposal unit for which financial assurance has not been approved. Proof that the financial mechanisms are established and funded in accordance with Rule 62-701.630, F.A.C. shall be submitted to the Department at least sixty (60) days prior to the planned acceptance of solid waste in any disposal unit. When established, the permittee shall maintain, in good standing, the financial assurance mechanisms. Supporting documentation and evidence of increases associated with cost estimate increases shall be submitted within the time frames specified in Rule 62-701.630, F.A.C.

All submittals in response to this specific condition shall be sent to:

Florida Department of Environmental Protection  
Financial Coordinator - Solid Waste Section  
2600 Blair Stone Road, MS 4565  
Tallahassee, Florida 32399-2400  
[Financial.Assurance.Working.Group@FloridaDEP.gov](mailto:Financial.Assurance.Working.Group@FloridaDEP.gov)

2. Cost Estimates.
  - a. The permittee shall submit closure cost estimates, including annual adjustments for inflation, in accordance with the requirements of Rule 62-701.630(3) and (4), F.A.C., and 40 CFR Part 264.142(a) and .144(a) using Form 62-701.900(28).
  - b. An owner or operator using an escrow account shall submit the annual inflation adjusted estimate(s) between July 1 and September 1. An owner or operator using a letter of credit, guarantee bond, performance bond, financial test, corporate guarantee, trust fund or insurance shall submit the inflation adjusted cost estimate(s) by March 1.
  - c. A cost estimate covering disposal units not previously covered by financial assurance mechanisms must be submitted prior to submitting financial assurance for such disposal units.
  - d. Appendix 4 contains a Declaration of Restrictive Covenant which allows for the use of onsite soils rather than offsite soils as part of the Facility's final cover, as fill, or for other construction purposes when calculating the Facility's closure costs.
  - e. All submittals in response to this specific condition shall be sent to the Department's District Office at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) and a copy to the address identified in Specific Condition F.1. or to the following email address:  
[Financial.Assurance.Working.Group@FloridaDEP.gov](mailto:Financial.Assurance.Working.Group@FloridaDEP.gov)  
~~[Solid.Waste.Financial.Coordinator@dep.state.fl.us](mailto:Solid.Waste.Financial.Coordinator@dep.state.fl.us)~~

## G. Closure Requirements

There are currently no closed units at this facility. In the event of closure, the following conditions will apply.



1. Closure Permit Requirements. Prior to initiating closure of a solid waste disposal unit, or part of a solid waste disposal unit, the permittee must receive authorization from the Department in one of the following manners. The permittee may submit an application to the Department for a closure permit on Form 62-701.900(1), which application shall include a closure plan. If the landfill is operating under a Department permit, the permittee may request a modification of the permit to address substantive changes in the closure plan, or the permittee may demonstrate that the closure plan in the existing operation permit includes sufficient detail to provide reasonable assurance of compliance with the provisions for closure. The application or request for modification shall include an updated closure plan which is made up of the following:
  - a. A closure design plan;
  - b. A closure operation plan;
  - c. A plan for long-term care; and,
  - d. A demonstration that proof of financial assurance for long-term care will be provided.
2. Closure Design. All closure construction shall be done in accordance with the approved closure design plan. The Department shall be notified before any changes, other than minor deviations, to the approved closure design are implemented in order to determine whether a permit modification is required.
3. Closure Operation Plan. All closure shall be done in accordance with the approved closure operation plan.
4. Certification of closure construction completion. After closure construction has been completed, the engineer of record shall certify to the Department on Form 62-701.900(2) that the closure is complete and that it was done in accordance with the plans submitted to the Department except where minor deviation was necessary. All deviations shall be described in detail and the reasons therefore enumerated.
5. List of Closed Units Not in Long-Term Care: There are no closed units at this facility

Permit originally executed in Leon County, Florida. By Tim Bahr, P.G. for Charles Goddard, Program Administrator, State of Florida Department of Environmental Protection on November 7, 2013.

## APPENDIX 1

### General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit or a copy thereof shall be kept at the work site of the permitted activity.

12. The permittee shall comply with the following:

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required

by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

(c) Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

13. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## APPENDIX 2

### List of Approved Documents Incorporated Into the Permit

The approved application documents for Southeast County Class I Landfill Permit Renewal consist of the following.

1. Application for Minor Modification of Permit Number 35435-026-SO-01 prepared by SCS Engineers dated June 15, 2020 and received by the Tallahassee Solid Waste Section on June 15, 2020.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.313999.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.313999.1]&[profile=Permitting_Authorization])
2. Approved Operation Plan for Southeast County Class I Landfill prepared by SCS Engineers dated June 15, 2020 and received by the Tallahassee Solid Waste Section on June 15, 2020.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.316440.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.316440.1]&[profile=Permitting_Authorization])
3. Request for Additional Information No. 1 dated July 15, 2020.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.316538.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.316538.1]&[profile=Permitting_Authorization])
4. Response to Request for Additional Information No. 1 prepared by SCS Engineers dated August 13, 2020 and received by the Tallahassee Solid Waste Section on August 13, 2020.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.316006.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.316006.1]&[profile=Permitting_Authorization])
5. Approved Leachate Management Plan for Southeast County Class I Landfill prepared by SCS Engineers dated August 13, 2020 and received by the Tallahassee Solid Waste Section on August 13, 2020.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.316441.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.316441.1]&[profile=Permitting_Authorization])
6. Application for Minor Modification of Permit Number 35435-022-SO-01 prepared by SCS Engineers dated August 3, 2018 and received by the Tallahassee Solid Waste Section on August 6, 2017.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.283278.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.283278.1]&[profile=Permitting_Authorization])

7. Request for Additional Information No. 1 dated September 5, 2018.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.285211.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.285211.1]&[profile=Permitting_Authorization])
8. Response to Request for Additional Information No. 1 prepared by SCS Engineers dated October 29, 2018 and received by the Tallahassee Solid Waste Section on October 29,2018.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.286476.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.286476.1]&[profile=Permitting_Authorization])
9. Approved Operation Plan for Southeast County Class I Landfill prepared by SCS Engineers dated October 29, 2018 and received by the Tallahassee Solid Waste Section on October 29, 2108.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.287728.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.287728.1]&[profile=Permitting_Authorization])
10. Approved Leachate Management Plan for Southeast County Class I Landfill prepared by SCS Engineers dated October 29, 2018 and received by the Tallahassee Solid Waste Section on October 29, 2018.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.287729.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.287729.1]&[profile=Permitting_Authorization])
11. Application for Minor Modification of Permit Number 35435-022-SO-01 prepared by SCS Engineers dated August 10, 2017 and received by the Tallahassee Solid Waste Section on August 11, 2017.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.265501.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.265501.1]&[profile=Permitting_Authorization])
12. Operation and Maintenance Plan for Temporary Ash Re-Use Aggregate Screening and Storage Project, Southeast County Class I Landfill dated August 2017 and received by the Tallahassee Solid Waste on August 11, 2017.  
Oculus Link:  
[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.265643.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.265643.1]&[profile=Permitting_Authorization])
13. Revised Application Form No. 62-701.900(1) For Temporary Ash Re-Use Aggregate Screening and Storage Project, Southeast County Class I Landfill dated August 2017 and received by the Tallahassee Solid Waste on August 14, 2017.  
Oculus Link:

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.265644.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.265644.1]&[profile=Permitting_Authorization])

14. Application for Minor Modification of Permit Number 35435-022-SO-01 prepared by SCS Engineers dated April 10, 2017 received by the Tallahassee Solid Waste Section on April 11, 2017.

Oculus Link:

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.259896.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.259896.1]&[profile=Permitting_Authorization])

15. Response to Request for Additional Information prepared by SCS Engineers dated June 13, 2017 received by the Tallahassee Solid Waste Section on June 14, 2017.

Oculus Link:

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.262877.1\]&\[profile=Permitting\\_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.262877.1]&[profile=Permitting_Authorization])

16. Approved Conformed Operation Plan for Southeast County Class I Landfill prepared by SCS Engineers dated April, 2017 received by the Tallahassee Solid Waste Section on June, 29, 2017.

Oculus Link:

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.263495.1\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.263495.1])

17. Application for Intermediate Modification of Permit Number 35435-022-SO-01 prepared by HDR Engineering, Inc. dated September 2015 received by the Tallahassee Solid Waste Section on September 24, 2015. Consisting of one three ring binder and electronic copy on compact disk.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.235623.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.235623.1]&[profile=Permitting_Authorization])

18. Response to Request for Additional Information prepared by SCS Engineers dated November 24, 2015 received by the Tallahassee Solid Waste Section on November 25, 2015.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.243574.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.243574.1]&[profile=Permitting_Authorization])

19. Declaration of Restrictive Covenant and Access Easement Agreement for Use of On-site Soils dated March 18, 2016 received by the Tallahassee Solid Waste Section on March 21, 2016.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.244567.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.244567.1]&[profile=Permitting_Authorization])

20. Approved Operation Plan for Southeast County Class I Landfill prepared by SCS Engineers dated November 2015 received by the Tallahassee Solid Waste Section on April 18, 2016.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.244570.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.244570.1]&[profile=Permitting_Authorization])
21. Approved Water Quality Monitoring Plan for Southeast County Class I Landfill prepared by SCS Engineers dated November 2015 received by the Tallahassee Solid Waste Section on March 30, 2016.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.244572.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.244572.1]&[profile=Permitting_Authorization])
22. Approved Leachate Management Plan for Southeast County Class I Landfill prepared by SCS Engineers dated November 2015 received by the Tallahassee Solid Waste Section on April 18, 2016.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.244571.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.244571.1]&[profile=Permitting_Authorization])
23. Biosolids Composting Pilot Project Non-Objection Letter for Sections 7, 8, 9 of Southeast County Class I Landfill dated February 3, 2016.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.218219.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.218219.1]&[profile=Permitting_Authorization])
24. Biosolids Composting Pilot Project Approval Letter dated January 22, 2016.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.237902.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.237902.1]&[profile=Permitting_Authorization])
25. Biosolids Composting Pilot Project O&M Manual dated September 2015 received by the Tallahassee Solid Waste Section on September 24, 2015.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.244637.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.244637.1]&[profile=Permitting_Authorization])
26. Title V Air Permit #0570854-008-AV expires December 17, 2018.  
Oculus Link:  
[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.244617.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.244617.1]&[profile=Permitting_Authorization])
27. Initial permit renewal application for Southeast County Class I Landfill Permit Renewal prepared by HDR Engineering, Inc. dated June 10, 2013 stamped



received by the Tallahassee Solid Waste Section on June 12, 2013. Consisting of one three ring binder and electronic copy on compact disk.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.181518.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.181518.1]&[profile=Permitting_Authorization])

28. Response to RAI #1 for Southeast County Class I Landfill Permit Renewal prepared by HDR Engineering, Inc. dated August 1, 2013 stamped received by the Tallahassee Solid Waste Section on August 12, 2013.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.183794.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.183794.1]&[profile=Permitting_Authorization])

29. Operation Plan for Southeast County Class I Landfill prepared by HDR Engineering, Inc. dated June 10, 2013. Received by the Tallahassee Solid Waste Section on June 12, 2013.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.187985.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.187985.1]&[profile=Permitting_Authorization])

30. Water Quality Monitoring Plan for Southeast County Class I Landfill prepared by HDR Engineering, Inc. dated June 10, 2013. Received by the Tallahassee Solid Waste Section on June 12, 2013. Included as Appendix 3 to this permit.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.187986.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.187986.1]&[profile=Permitting_Authorization])

31. Leachate Management Plan for Southeast County Class I Landfill prepared by HDR Engineering, Inc. dated June 10, 2013. Received by the Tallahassee Solid Waste Section on June 12, 2013.

Oculus Link:

[http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&\[guid=8.187987.1\]&\[profile=Permitting\\_Authorization\]](http://depedms.dep.state.fl.us:80/Oculus/servlet/shell?command=getEntity&[guid=8.187987.1]&[profile=Permitting_Authorization])

## APPENDIX 3

### WATER QUALITY MONITORING PLAN

Hillsborough Southeast County Landfill  
PERMIT NO: 35435-022-SO-01  
WACS FACILITY ID: 41193  
PERMIT MODIFICATION DATE: 6/6/16

#### I. GENERAL

1. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with Chapter 62-160, F.A.C. Approved methods as published by the Department or as published in Standard Methods, ASTM, or EPA Methods shall be used. **[62-701.510(2)(b), F.A.C.]**
2. The organization collecting samples at this site must use the Field and Laboratory Standard Operating Procedures (DEP-SOP-001/01) referenced in Chapter 62-160, F.A.C. The laboratory designated to conduct the chemical analyses must be certified by the Florida Department of Health Environmental Laboratory Certification Program (DOH ELCP). This Certification must be for the test method and analyte(s) that are reported. **[62-160.210(1), 62-160.300(1), 62-701.510(2)(b), F.A.C. and DEP SOP FS 1008.]**

NOTE: DEP-SOP-001/01 can be accessed at:

<http://www.dep.state.fl.us/water/sas/sop/sops.htm>

3. The permittee must ensure that the analytical laboratory conducting the analyses uses analytical methods capable of achieving detection limits at or below the Groundwater Cleanup Target Levels (GCTLs) or the Freshwater Surface Water Cleanup Target Levels (SWCTLs) in Table I, Chapter 62-777, F.A.C. except those listed in Table C of the "FDEP Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits dated 10/12/2004". GCTLs and SWCTLs that are not water quality standards are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated. **[DEP SOP FM 1000]**
4. If, at any time, analyses detect parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., in the detection wells or at the edge of the Zone of Discharge, the Permittee may confirm the data by resampling the affected wells within thirty (30) days of receipt of the sampling data. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. **[62-701.510(6)(a), F.A.C.]**

If the resampling event detects parameters which are significantly above background water quality, or which are at levels above the Department’s water quality standards or criteria specified in Chapter 62-520, F.A.C., the Permittee shall notify the Department in writing within 14 days of receipt of the sampling data. Confirmed data must be submitted to the Department within 60 days from completion of lab analyses, unless a different due date is approved. Use “CONF” (for confirmation data) in the report type column. **[62-701.510(8)(a), F.A.C.]**

Upon notification by the Department, the permittee shall initiate evaluation monitoring in accordance with Rule 62-701.510(6)(a), F.A.C.

## II. GROUND WATER QUALITY MONITORING

1. The detection monitoring well network consists of 3 background wells, ~~18~~ ~~15~~ horizontal detection wells, and two vertical compliance wells. Wells TH-40 and TH-78 are designated as vertical compliance wells. Background well TH-19 is the upgradient Floridan aquifer background well, and TH-22A and TH-36A are the upgradient surficial aquifer background monitoring wells. The ~~23~~ ~~eighteen~~ ground water monitoring wells/piezometers included in this monitoring plan and designated for water quality testing are listed on Table 1 and shown on Figure 1. The ~~20~~ ~~32~~ piezometers and inactive wells designated for water level measurements are also shown on Figure 1. **[62-701.510(3)(d)2 & 3, F.A.C.]**
  
2. Any initial sample collected from a new or replacement ground water monitoring well shall be analyzed for the following Initial Ground Water Monitoring Parameters. **[62-701.510(5)(b), F.A.C.]**

Field Parameters	Laboratory Parameters
1. Static water level in wells before purging	1. Ammonia – N, Total
2. Dissolved oxygen	2. Chlorides
3. pH	3. Iron
4. Specific conductivity	4. Nitrate
5. Temperature	5. Sodium
6. Turbidity	6. Total dissolved solids (TDS)
7. Colors and sheens (by observation)	7. Those parameters listed in 40 CFR Part 258, Appendix II.*

\* Mercury not listed because it is included in Appendix II.

\* Appendix I is not listed because it is a subset of Appendix II

3. The ~~twenty-three~~ ~~twenty~~ (~~23~~ ~~20~~) active monitoring wells for the landfill shall be routinely sampled and analyzed semi-annually during February and August for the following Ground Water Monitoring Parameters. **[62-701.510(5)(c) & (7)(a), F.A.C.]**

Field Parameters	Laboratory Parameters
1. Static water level in wells before purging	1. Ammonia – N, Total
2. Dissolved oxygen	2. Chlorides
3. pH	3. Iron
4. Specific conductivity	4. Mercury
5. Temperature	5. Nitrate
6. Turbidity	6. Sodium
7. Colors and sheens (by observation)	7. Total dissolved solids (TDS)
	8. Those parameters listed in 40 CFR Part 258 Appendix I

- All water quality analyses will be performed on unfiltered samples unless approved by the Department.

### III. SURFACE WATER MONITORING

- The four (4) surface water sites included in this monitoring plan are listed on Table 1 and shown on Figure 1. [62-701.510(4)(c), F.A.C.]
- Semi-annual samples from the four (4) surface water monitoring sites shall be collected during February and August. The samples shall be analyzed for the following Surface Water Monitoring Parameters. [62-701.510(5)(d) & (7)(b), F.A.C.]

Field Parameters	Laboratory Parameters
1. Specific Conductivity	1. Unionized ammonia as N
2. pH	2. Total hardness as CaCO <sub>3</sub>
3. Dissolved oxygen	3. Biochemical oxygen demand (BOD <sub>5</sub> )
4. Turbidity	4. Iron
5. Temperature	5. Mercury
6. Colors and sheens (by observation)	6. Nitrate
	7. Total Dissolved Solids (TDS)
	8. Total Organic Carbon (TOC)
	9. Fecal Coliform
	10. Total Phosphorus as P
	11. Chlorophyll A
	12. Total nitrogen
	13. Chemical Oxygen Demand (COD)
	14. Total Suspended Solids (TSS)
	15. Those parameters listed in 40 CFR Part 258 Appendix I

### IV. MONITORING WELL REQUIREMENTS

- If a monitoring well or piezometer becomes damaged or inoperable, the Permittee shall notify the Department's District office at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) within two (2) days of discovery with a written report within ten (10) days of notice. The written report shall describe what problem has occurred and the remedial measures that have been taken to prevent a recurrence. The Department can require the replacement of inoperable monitoring wells or piezometers. [62-520.600(6)(l), F.A.C.]

2. New or replacement monitoring well design or placement must be approved by the Department. The design and construction of these wells must be based on site-specific borings with appropriate supporting data such as grain size distribution analyses, in-situ hydraulic conductivity testing, and depth to water. Wells shall be installed using standard, accepted practices for well construction. **[62-701.510(3), F.A.C. and 62-520.600(3) and (6), F.A.C.]**
3. All wells and piezometers shall be clearly and permanently labeled and the well site maintained so that the well is visible at all times. Unless otherwise authorized in a Department permit, new monitoring wells, and existing monitoring wells at the time of permit renewal, shall have protective bollards or other devices installed around them if they are located in areas of high traffic flow to prevent damage from passing vehicles. **[62-701.510(3)(d)5, F.A.C.]**
4. The Department's District office shall be notified in writing or by email at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) before any monitoring wells are abandoned or plugged. Wells shall be abandoned using standard, accepted practices for well abandonment. **[62-701.510(3)(d)6, F.A.C.]**

## **V. REPORTING REQUIREMENTS**

### **A. FIELD ACTIVITIES**

1. The Department's District office must be notified in writing, hard copy or by email at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us), at least fourteen (14) days prior to the installation and/or sampling of any monitoring well(s) so that the Department may collect split samples. **[62-701.510(8)(a), F.A.C.]**

### **B. MONITORING WELL COMPLETION REPORT**

2. One (1) paper copy and one (1) electronic copy (Adobe pdf format) of the Monitoring Well Completion Report, Form 62-701.900(30), F.A.C., must be submitted to the Department's District office at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) within thirty (30) days after installation of any new or replacement monitoring well(s). In addition, as-built well construction diagrams and soil boring logs that cover the entire depth of the monitoring well(s) must be submitted to the Department. **[62-520.600(6)(j), F.A.C.]**

**NOTE:** The top of casing elevation of each well, to the nearest 0.01 feet, and the latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, must be determined and certified by a Florida Licensed Surveyor and Mapper and provided on the form. **[62-701.510(3)(d)1 & 62-520.600(6)(i), F.A.C.]**

### C. SURVEYING

3. One (1) paper copy and one (1) electronic copy (Adobe pdf format) of a drawing must be submitted to the Department's District office at [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) within sixty (60) days following monitoring well installation showing the location of all monitoring sites (active, abandoned, and Evaluation Monitoring), piezometers, water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to a nationally recognized datum (such as NGVD 1929 or NAVD 1988) to the nearest 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper. [62-701.510(1)(c)&(3)(d)1, and 62-520.600(6)(i), F.A.C.]
4. If a monitoring well is being replaced or new wells are being added to an existing ground water monitoring plan, only the new wells need to be surveyed as long as all other monitoring wells in the monitoring plan have been surveyed and certified by a Florida Licensed Surveyor and Mapper and there is no reason to believe that the elevations have changed. The location and elevation determinations and the certification must be provided with the Monitoring Well Completion Report upon completion of each new well. [62-701.510(3)(d)1, F.A.C.]

### D. DEPTH MEASUREMENTS

5. A total depth measurement must be made on each well at time of the Technical Report specified in Section V.H.10. This measurement is to be reported as total apparent depth below ground surface and should be compared to the original total depth of the well.

### E. INITIAL AND SEMI-ANNUAL SAMPLING AND SUBMITTING ELECTRONIC DATA

6. Required monitoring reports must be submitted to the Department within sixty (60) days from completion of laboratory analyses and shall follow the Department's electronic reporting requirements using the ADaPT software. [Rule 62-701.510(8)(a), F.A.C.]
7. Required water quality monitoring reports and analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf format. The water quality data Electronic Data Deliverable (EDD) shall be provided to the Department in a comma separated text file electronic format consistent with requirements for importing the data into the Department's databases as summarized at: <http://www.dep.state.fl.us/waste/categories/shw/pages/ADaPT.htm>. Water quality monitoring reports shall be signed and sealed by a Florida registered professional

geologist or professional engineer with experience in hydrogeological investigations and shall include the following:

- a) Cover letter ;
- b) Summary of exceedances and recommendations;
- c) Ground water contour maps;
- d) Chain of custody forms;
- e) Water levels, water elevation table;
- f) Water Quality Monitoring Certification using Form Rule 62-701.900(31), F.A.C.;
- g) Appropriate information using the Groundwater Sampling Log, Form FD 9000-24 (DEP-SOP-001/01); and,
- h) Laboratory and Field EDDs and error logs, as applicable.

All submittals in response to this specific condition shall be sent both to:

Solid Waste Section Florida Department of Environmental Protection Southwest District Office 13051 North Telecom Parkway Temple Terrace, Florida 33637 <a href="mailto:SWD_Waste@dep.state.fl.us">SWD_Waste@dep.state.fl.us</a>	Florida Department of Environmental Protection Solid Waste Section 2600 Blair Stone Road, MS 4565 Tallahassee, Florida, 32399-2400 <a href="mailto:ADaPT.EDDs.and.Reports@dep.state.fl.us">ADaPT.EDDs.and.Reports@dep.state.fl.us</a>
--	---

**F. WATER ELEVATIONS**

- 8. Water levels in all monitoring wells, whether sampled or not, all piezometers and all surface water sites must be measured to the nearest 0.01 foot and reported semi-annually. Surface water elevations at sampling locations must be measured to the nearest 0.01 foot on the same day as ground water levels in the wells and piezometers and reported semiannually. All water level measurements must be made within a one-day period. These measurements should be reported in a table that includes well or surface water point name, date water level measured, measuring point elevation referenced to a nationally recognized datum (such as NGVD 1929 or NAVD 1988), depth to water and calculated water level elevation referenced to the same nationally recognized datum. The ground water elevations shall be reported in the ADaPT data for the upload into WACS. [62-701.510(8)(a)8, F.A.C.]

**G. GROUND WATER CONTOUR MAPS**

- 9. Ground water elevation contour maps for each monitored aquifer zone must be submitted semi-annually to the Department, with contours at no greater than two foot intervals unless site specific conditions dictate otherwise. Ground water elevation contour map(s) should include monitoring well and piezometer locations, ground water elevation at each monitoring well or piezometer location referenced to a nationally recognized datum (such as NGVD 1929 or NAVD 1988), a bar scale, north arrow, ground water contour interval, date of measurement and ground water flow direction. The map(s) must incorporate adjacent and on-site surface water elevations where appropriate. These maps shall be

signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in this subject area. **[62-701.510(8)(a) 9, F.A.C.]**

## H. TECHNICAL REPORT

10. A technical report, signed and sealed by a professional geologist or professional engineer with experience in hydrogeologic investigations, shall be submitted to the Department approximately every two and one-half years during the active life of the facility, and every five years during the long-term care period. The report shall summarize and interpret the water quality monitoring results and water level measurements collected since the last Technical Report. The report shall contain, at a minimum, the following **[62-701.510(8)(b), F.A.C.]**:
- a) Tabular displays of any data which shows that a monitoring parameter has been detected, and graphical displays of any leachate key indicator parameters detected (such as pH, specific conductance, TDS, TOC, sulfate, chloride, sodium and iron), including hydrographs for all monitor wells;
  - b) Trend analyses of any monitoring parameters consistently detected;
  - c) Comparisons among shallow, middle, and deep zone wells;
  - d) Comparisons between background water quality and the water quality in detection and compliance wells;
  - e) Correlations between related parameters such as total dissolved solids and specific conductance;
  - f) Discussion of erratic and/or poorly correlated data;
  - g) An interpretation of the ground water contour maps, including an evaluation of ground water flow rates; and
  - h) An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.
11. One (1) paper and one (1) electronic copy (Adobe pdf format) of the Technical Report shall be submitted to the Department's Southwest District and Tallahassee offices. Required water quality monitoring reports and water quality data for the Technical Report shall be submitted in electronic format as described in Specific Conditions 6 and 7 of this APPENDIX. **[62-160.240 , and 62-701.510(8)(a), F.A.C.]**

### List of Attachments

**Table 1** – Water Quality Sampling Testsite Information

**Figure 1** – Water Quality Monitoring Locations Map



Table 1 – Water Quality Sampling Testsite Information				
Wells Associated With the Monitoring of Phases I-VI				
Well #	WACS Testsite #	Aquifer	Designation	Location
TH-19	821	Floridan	Background	Figure 1
<del>TH-20B</del>	<del>1157</del>	<del>Surficial</del>	<del>Detection</del>	<del>↓</del>
TH-22A	19861	Surficial	Background	↓
TH-28A	19862	Surficial	Detection	↓
TH-40	822	Floridan	Compliance	↓
TH-57	1570	Surficial	Detection	↓
TH-58	1571	Surficial	Detection	↓
TH-65	20530	Surficial	Detection	↓
TH-66	20531	Surficial (deep)	Detection	↓
TH-66A	22961	Surficial (shallow)	Detection	↓
TH-67	20532	Surficial	Detection	↓
TH-72	27753	Floridan	Detection	↓
TH-78	29337	Floridan	Compliance	↓
<del>TH-79</del>	<del>30160</del>	<del>Surficial</del>	<del>Detection</del>	<del>↓</del>
<del>TH-83</del>	<del>30399</del>	<del>Surficial</del>	<del>Detection</del>	<del>↓</del>
Wells Associated With the Monitoring of Sections 7, 8 and 9				
TH-36A	20329	Surficial	Background	↓
TH-61	20493	Surficial	Detection	↓
TH-61A	22595	Surficial	Detection	↓
TH-64	20494	Surficial	Detection	↓
TH-68	22039	Surficial	Detection	↓
TH-69A	22958	Surficial	Detection	↓
TH-70A	22959	Surficial	Detection	↓
TH-71A	22960	Surficial	Detection	↓
Surface Water ID #	WACS Testsite #	Location		
1-A	831	Northern portion of Smith Lake		
3A	836	Drainage ditch to Long Flat Creek at SW boundary		
3B2B	837	Drainage ditch to Long Flat Creek, WNW of TH-30		
3C2	838	Drainage ditch to Long Flat Creek at NW boundary		

Note: Existing monitor wells TH-20A, ~~TH-20B~~, TH-22, TH-24, TH-30, TH-32, TH-35, TH-35A, ~~TH-38A~~, TH-38B, TH-41, TH-42, TH-73, TH-76, and TH-77 shall be considered as inactive wells and reserved for future use. These inactive monitor wells and the existing piezometer P-11D shall be included in water level measurements conducted at the Southeast County Landfill by Hillsborough County. ~~Existing piezometers P-4S, P-4D, P-5D, P-6D, P-7D, P-8D, P-12S, P-13S, P-14S, P-15S, P-16S, P-16I, P-16D, P-17S, P-17I, P-17D, P-18S, P-19, P-20, P-21, P-22, P-23 and monitor wells TH-19A, TH-34A, TH-74 and TH-75 will be abandoned.~~ The Department's District office shall be notified in writing or by email at SWD\_Waste@dep.state.fl.us before any monitoring wells are abandoned or plugged. Wells shall be abandoned using standard, accepted practices for well abandonment.

**Figure 1**



**APPENDIX 4**

**Restrictive Covenant for Use of On-Site Soils**  
**March 18, 2016**

Project No. 2016-013-U  
SE County Landfill Restrictive Covenant  
Parcel: Future Borrow Area  
Folio #:088548.0000  
Sec 13 Twp 31 Rge 21

INSTRUMENT#: 2016105020, O BK 23948  
PG 1480-1488 03/18/2016 at 10:14:40 AM,  
DEPUTY CLERK: MPEDRERO Pat Frank, Clerk  
of the Circuit Court Hillsborough County

This instrument prepared by:  
Eric Watkins, Real Property Supervisor  
Hillsborough County Real Estate  
and Facilities Services Dept.  
P.O. Box 1110, Tampa, Florida 33601

**DECLARATION OF RESTRICTIVE COVENANT**  
**AND ACCESS EASEMENT AGREEMENT**

THIS DECLARATION OF RESTRICTIVE COVENANT AND ACCESS AGREEMENT (the "Declaration") is made by and between Hillsborough County (the "County") a Florida political subdivision of the State, and THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (the "Department").

RECITALS:

- A. The County is the fee simple owner of that certain real property situated in Hillsborough County, Florida, more particularly described in Exhibit "A" attached hereto and made a part hereof (the "Entire Property"), within which lies the "Restricted Property," more particularly described in Exhibit "B" attached hereto and made a part hereof.
- B. The facility name at the time of this Declaration is Hillsborough County Southeast Landfill (the "Facility"). The Department's WACS Facility Identification Number is 41193. The Facility is a Class I Landfill disposal facility.
- C. Rule 62-701.630 Florida Administrative code (F.A.C.) permits the use of on-site soils rather than offsite soils as part of the Facility's final cover, as fill, or for other construction purposes when calculating the Facility's closure costs under certain circumstances including, but not limited to, entering into a legal agreement with the Department to ensure that the designated on-site soils will be available and accessible for the benefit of the Department and the County, for the proposed closure-related uses.
- D. The Department may need access to and use of the property for the purpose of closure of the Facility pursuant to Rule 62-701 and the County desires to grant the Department an easement for that purpose.
- E. The County deems it desirable that this Declaration of Restrictive Covenant be entered into and that the Restricted Property be held subject to the restrictions, all of which are more particularly hereinafter set forth.

NOW, THEREFORE, to meet the requirements of Rule 62-701.630 F.A.C., and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by each of the undersigned parties, the County agrees as follows:

**APPROVED**  
**Board of County Commissioners**  
Date March 2, 2016  
**Real Estate & Facilities**  
**Services Department**


1. The foregoing recitals are true and correct and are incorporated herein by reference.
2. The County hereby imposes on the Restricted Property the following use restrictions:
  - a. Subject to the authorization through the issuance of the proper permits by the local regulatory agencies, including Hillsborough County, Florida, the on-site soils delineated in the Restricted Property shall be available and accessible for the benefit of the Department and the County for closure-related uses.
  - b. The County shall not, without the written prior consent of the Department, utilize on-site soils in the Restricted Property except for closure-related uses.
  - c. To ensure the designated on-site soils will be available and accessible for the benefit of the Department and the County for closure related uses, the County shall submit a report by July 1<sup>st</sup> of each year following the execution of this Declaration of Restrictive Covenant that is certified by a Florida registered Professional Engineer. This report shall certify that the quantity of suitable soils needed for use as final cover of the facility remain within the Restricted Property.
3. For the purpose of monitoring the restrictions contained herein and for the purpose of closure of the Facility pursuant to 62-701, the Department and its respective successors or assigns, as well as the Department's agents, including but not limited to contractors working on closure of the Facility pursuant to 62-701, shall have site access to the Restricted Property at reasonable times and with reasonable notice to the County, its successors and assigns.
4. It is the intention of the County that the restrictions contained in this Declaration shall touch and concern the Restricted Property, run with the land and title to the Restricted Property, and apply to, be binding upon, and inure to the benefit of the successors and assigns of the County and to the Department, its successors and assigns, and to any and all parties hereafter having any right, title or interest in the Restricted Property or any part thereof. The Department and its successors and assigns may enforce the terms and conditions of this Declaration by injunctive relief and other appropriate available legal remedies. Any forbearance on behalf of the Department or its successors or assigns to exercise its right in the event of the failure of the County, and its successors and assigns, to comply with the provisions of this Declaration shall not be deemed or construed to be a waiver of the Department's rights hereunder. This Declaration shall continue in perpetuity, unless otherwise modified in writing by the County and the Department as provided in Paragraph 6 hereof. These restrictions may be enforced in a court of competent jurisdiction by the Department or its successor agency, or by any other person, firm, corporation or governmental agency that may substantially benefit from these restrictions. If the County does not or will not be able to comply with any or all of the provisions of this Declaration, the County shall notify the Department in writing within three (3) calendar days. Additionally, the County shall notify the Department thirty (30) days prior to any conveyance or sale, granting or transferring the Restricted Property or portion thereof, to any heirs, successors, assigns or grantees, including, without limitation, the conveyance of any security interest in said Restricted Property.

5. To ensure the perpetual nature of these restrictions, the County, its successors and assigns, shall reference these restrictions in any subsequent deed of conveyance, including the Official Records Book and Page of record of this Declaration. Furthermore, prior to the entry into a landlord-tenant relationship with respect to the Restricted Property, the County agrees to notify in writing all proposed tenants of the Restricted Property of the existence and contents of this Declaration of Restrictive Covenant.
6. This Declaration is binding until a release of covenant is executed by the Department's Secretary (or its designee) and by the County (or its successors and assigns), and is recorded in the Hillsborough County Public Records. This Declaration may be modified in writing only. Any subsequent amendment must be executed by both the County and the Department or their respective successors or assigns, and thereafter recorded by the County, or its successors and assigns, as an amendment hereto.
7. If any provision of this Declaration is held to be invalid by any court of competent jurisdiction, the invalidity of such provision shall not affect the validity of any other provisions hereof. All such other provisions shall continue unimpaired in full force and effect.
8. The County covenants and represents that, on the date of execution of this Declaration, it is seized of the Entire Property in fee simple, and has good right to create, establish and impose this restrictive covenant on the use of the Restricted Property. The County also covenants and warrants that the Entire Property is free and clear of any and all liens, mortgages or encumbrances that could impair the County's right to impose the restrictive covenant described in this Declaration, or that would be superior to the restrictive covenant described in this Declaration.
9. The parties agree that the Declaration and all documents associated with the transaction contemplated herein may be executed by electronic signature in a manner that complies with Chapter 668, Florida Statutes, and as approved by the Hillsborough County Board of County Commissioners in Resolution R15-025 on February 4, 2015.

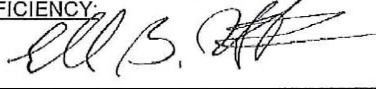
[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the County has executed this Declaration of Restrictive  
Covenant this 2nd day of March, 2016.

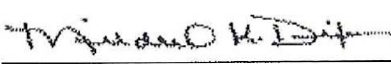
Hillsborough County

By:   
Print Name: Lesley "Les" Miller, Jr.  
Chairman, Board of County Commissioners

APPROVED AS TO FORM AND LEGAL  
SUFFICIENCY:

  
Assistant County Attorney

ATTEST: Pat Frank, Clerk of Circuit Clerk

  
By: Deputy Clerk



BOARD OF COUNTY COMMISSIONERS  
HILLSBOROUGH COUNTY FLORIDA  
DOCUMENT NO. **16-0269**

[SIGNATURES CONTINUED ON FOLLOWING PAGE]

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL  
PROTECTION

Approved as to form by:

*Toni Sturtevant*

Toni Sturtevant, Asst. General Counsel  
Office of General Counsel

By:

*F. Joseph Ullo, Jr.*

F. JOSEPH ULLO, Jr., P.E., Director  
Division of Waste Management

Dept. of Environmental Protection  
Division of Waste Management  
2600 Blairstone Road  
Tallahassee, FL 32399-2400

Signed, sealed, and delivered in  
in the presence of:

*Steve Shores*

Witness Signature

*Steve Shores*

Printed Name

*03/15/2016*

Date

*Melody Johnson*

Witness Signature

*Melody Johnson*

Printed Name

*3/15/16*

Date

STATE OF FLORIDA  
COUNTY OF LEON

The foregoing instrument was acknowledged before me this 15<sup>th</sup> day of MARCH,  
2016, by F. JOSEPH ULLO, who is personally known to me.



JUDITH PENNINGTON  
MY COMMISSION # FF 215917  
EXPIRES: March 31, 2019  
Bonded Thru Budget Notary Services

*Judith Pennington*

Notary Public, State of Florida at Large

**EXHIBIT "A" (the Entire Property)**



**EXHIBIT "A"**  
**Legal Description**

**PARCEL I:**

North side of State Road S-672: South 1/2 of Section 21; South 1/2 of Section 22; South 1/2 of Section 23, LESS that portion of the North 200 feet of the South 1/2 of said Section 23, lying Easterly of the centerline of a 200 foot Tampa Electric Company Easement dated November 13, 1962, recorded in Official Record Book 1058, page 441, conveyed to Hillsborough County, Florida, by Deed dated October 11, 1983 and recorded October 28, 1983 in Official Record Book 4209, page 375, Public Records of Hillsborough County, Florida.

All lying and being in Township 31 South, Range 21 East, Hillsborough County, Florida.

**PARCEL II:**

South side of State Road S-672: West 1/2 of Northwest 1/4, Section 28; Northwest 1/4 of the Southwest 1/4, Section 28; Northeast 1/4, Section 29; East 1/2 of Northwest 1/4, Section 29; Northeast 1/4 of Southwest 1/4, Section 29; North 1/2 of Southeast 1/4, Section 29; LESS the West 15 feet of the East 1/2 of the Northwest 1/4 of Section 29.

All lying and being in Township 31 South, Range 21 East, Hillsborough County, Florida.

**PARCEL III:**

That part of the Southeast 1/4 of Southwest 1/4 of Section 29, lying North of the center line of the existing county drainage canal, which center line is located approximately as follows: Commencing 33 feet, more or less, South of the Northwest corner of said Southeast 1/4 of Southwest 1/4 on the West boundary of said Southeast 1/4 of Southwest 1/4, thence proceed in a northeasterly direction to the Northeast corner of said Southeast 1/4 of Southwest 1/4.

All lying and being in Township 31 South, Range 21 East, Hillsborough County, Florida.

**EXHIBIT "B" (the Restricted Property)**

EXHIBIT "B"

SECTION 13, TOWNSHIP 31 SOUTH, RANGE 21 EAST  
 HILLSBOROUGH COUNTY, FLORIDA  
 MAP OF SURVEY



DATE	12/17/18	BY	W. J. GIBSON
PROJECT	HILLSBOROUGH COUNTY BOCC/FIELD WORKS CENTER		
DESCRIPTION	SECTION 13, TOWNSHIP 31 SOUTH, RANGE 21 EAST, HILLSBOROUGH COUNTY, FLORIDA		
SCALE	1" = 400'		

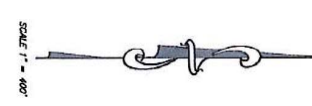
THE SURVEY DEPICTED HERE IS NOT COVERED BY PROFESSIONAL LIABILITY INSURANCE

DATE	12/17/18	BY	W. J. GIBSON
PROJECT	SOUTHEAST COUNTY LANDFILL		
DESCRIPTION	FUTURE BORROW AREA		
SCALE	1" = 400'		

*[Signature]*  
 W. J. GIBSON  
 SURVEYOR

1. Type of Survey: Boundary Survey
2. List of Parties: United States Survey Note
3. Bearings and Distances in this Survey were determined by the Florida State Plane Coordinate System (FSPCS) and are based on the NAD 83 datum. The bearings and distances were determined by the Florida State Plane Coordinate System (FSPCS) and are based on the NAD 83 datum.
4. The bearings and distances were determined by the Florida State Plane Coordinate System (FSPCS) and are based on the NAD 83 datum.
5. Bearings listed in this survey are in accordance with Florida Statute 218.01, which requires that bearings be listed in degrees, minutes, and seconds.
6. Hillsborough County is the owner of the land shown in this survey.
7. No part of this survey was made by a method, method, or construction which was not considered proper at the time of the survey.

Disclaimer: (per 62B Engineering, Inc. 00221)  
 This map was prepared by 62B Engineering, Inc. (62B) for the use of Hillsborough County, Florida. 62B is not responsible for any errors or omissions in this map or for any consequences arising therefrom. The user of this map assumes all liability for any errors or omissions in this map or for any consequences arising therefrom. The user of this map assumes all liability for any errors or omissions in this map or for any consequences arising therefrom.



<u>ATTACHMENT 1</u>		
Time Sensitive Action Chart		
Reference	Submittal Due Date	Required Item
Specific Permit Condition A.3	By September 6, 2023	Submit application for permit renewal
Specific Permit Condition A.4	Within 30 days of (a) any sale or conveyance of the facility; (b) if a new or different person takes ownership or control of the facility; or (c) if the facility name or permittee's legal name is changed	Submit Form 62-701-900(8) for transfer of permit or name change
Specific Permit Condition C.12.c	No later than March 1, 2018 and at least one time every 5 years or at the time of the next permit renewal	Submit leachate system assessment report, videotape, inspection results, etc.
Specific Condition C.12.e	Within 24 hours of discovery	Notification of exceedance of leakage action rate in leak detection system
Specific Permit Condition C.14.a.	Annually, by January 15 <sup>th</sup> each year	Waste quantity records
Specific Permit Condition C.14.b.	Annually, by September 1 <sup>st</sup> each year	Annual estimate of remaining life and capacity

<b>ATTACHMENT 1 (Continued)</b>		
<b>Time Sensitive Action Chart</b>		
<b>Reference</b>	<b>Submittal Due Date</b>	<b>Required Item</b>
Specific Permit Condition C.12.d and Leachate Monitoring Plan 8.3.2	Quarterly, by January 15 <sup>th</sup> , April 15, July 15 <sup>th</sup> , and October 15 each year	Submit leachate generation reports
Leachate Management Plan 9.1.1	Semi-annually, within 60 days from completion of laboratory analysis.	Laboratory report for treated leachate effluent sampling.
Leachate Management Plan 9.1.2	Annually, within 60 days from completion of laboratory analysis.	Laboratory report for biosolids TCLP sampling.
Leachate Management Plan 11.2.9	Verbally within 24 hours. Within 7 days of verbal notification.	Notification of leachate spill occurrence. Written notification and corrective action plan.
Specific Permit Condition E.4	Quarterly, no later than 15 days after the end of the period in which the monitoring occurred	Submit gas monitoring results
Specific Permit Condition F.2.a.	Annually, by March 1 each year	Submit revised cost estimates
Specific Permit Condition F.2.b.	Annually	Submit proof of funding
Appendix 3: Water Quality Monitoring Plan V.A.1.	At least 14 days prior to installation and/or sampling of any monitoring well(s)	Notification in writing, hard copy, or email of field activities
Appendix 3: Water Quality Monitoring Plan II.3.	Semi-annually in February and August	Conduct ground water routine sampling event
Appendix 3: Water Quality Monitoring Plan V.E.6.	Within 60 days from completion of laboratory analysis	Monitoring reports for initial and semi-annual sampling
Appendix 3: Water Quality Monitoring Plan IV.1.	Within 2 days of discovery Within 10 days of notice of problem	Notification of a monitoring well or piezometer being damaged or inoperable Written notification of nature of problem & remedial actions taken to prevent recurrence

<b>ATTACHMENT 1 (Continued)</b>		
<b>Time Sensitive Action Chart</b>		
<b>Reference</b>	<b>Submittal Due Date</b>	<b>Required Item</b>
Appendix 3: Water Quality Monitoring Plan IV.2.	Prior to installation of new or replacement wells	Request and receive Department Approval
Appendix 3: Water Quality Mon Plan V.B.2.	Within 30 days of installation of new wells	Provide Monitoring Well Completion Report
Appendix 3: Water Quality Monitoring Plan V.C.3.	Within 60 days of installation of new wells	Provide survey drawing
Appendix 3: Water Quality Monitoring Plan IV.4.	Prior to abandonment	Notify Department of planned well abandonment.
Appendix 3: Water Quality Monitoring Plan I.4.	Within 14 days of discovery	Notification of: monitoring parameters significantly above background water quality, or exceeding ground water standards or minimum criteria
Appendix 3: Water Quality Monitoring Plan III.2.	Semi-annually in August and February	Conduct surface water sampling
Appendix 3: Water Quality Monitoring Plan V.D.5.	At the time of the Technical Report or every 5 years	Total depth measurements on each well reported as total apparent depth below ground surface and should be compared to the original total depth of the well
Appendix 3: Water Quality Monitoring Plan V.F.8.	Semi-annually	Water levels in all monitoring wells, all piezometers, and all surface water sites
Appendix 3: Water Quality Monitoring Plan V.G.9.	Semi-annually	Ground water elevation contour maps for each monitored aquifer zone
Appendix 3: Water Quality Monitoring Plan V.H.10 and 11.	Every two and one-half years during the active life of the facility and every 5 years during long-term care	Technical Report

<b>ATTACHMENT 1 (Continued)</b>		
<b>Time Sensitive Action Chart</b>		
<b>Reference</b>	<b>Submittal Due Date</b>	<b>Required Item</b>
Operations Plan K.9	Within 7 days of detection	Submit gas remediation plan
Specific Permit Condition G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application for Department approval

If any of the deadlines in the Time Sensitive Action Chart are inconsistent with the time deadlines in the permit conditions, the time deadline in the permit condition shall be followed. The chart is provided as a courtesy to the operator and is not represented to be inclusive. The operator is responsible for maintaining familiarity with and, honoring all regulatory requirements pertaining to the facility.

**ATTACHMENT 2 - Permit History**  
**Southeast County Class I Landfill**

<b>Permit Number</b>	<b>Name</b>	<b>Issue Date</b>	<b>Description</b>
<a href="#"><u>34535-028-SO-MM</u></a>	<a href="#"><u>Minor Modification to Operation Permit</u></a>	<a href="#"><u>09/092020</u></a>	<a href="#"><u>Class I Landfill Operation</u></a>
34535-026-SO-MM	Minor Modification to Operation Permit	12/3/2018	Class I Landfill Operation
34535-025-SO-MM	Minor Modification to Operation Permit	8/23/2017	Class I Landfill Operation
34535-024-SO-MM	Minor Modification to Operation Permit	7/14/2017	Class I Landfill Operation
34535-023-SO-IM	Intermediate Modification to Operation Permit	6/2/2016	Class I Landfill Operation
35435-022-SO-01	Solid Waste Operation Permit	11//7/2013	Class I Landfill Operation