



**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 E. 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. Patricia Berry, Manager, Solid Waste Management Group
925 E. Twiggs Street
Tampa, Florida, 33602
berryp@hillsborough.org
813-272-5977 ext 43338

Solid Waste Operation Permit - Class I Landfill
Permit No.: 35435-022-SO/01
Permit Modification No.: NA
Replaces Permit No.: 35435-014-SO/01

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 from obtaining other federal, state, and local permits and/or modifications required by law, 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. The facility includes a landfill gas collection system and a leachate disposal system.

General Information

Phases I-VI:	
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
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

Section 7/8:	
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

Section 9:	
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

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. Air Permit Requirements
 - a. The landfill owner or operator is not required to obtain an air construction permit, unless landfill construction or any modification is subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. A landfill for which construction or modification is subject to PSD requirements must make application to the Bureau of Air Regulation, Department of Environmental Protection, Mail Station 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, for an air construction permit and must obtain such permit prior to beginning any construction or modification.

- b. The landfill owner or operator is not required to obtain an air operating permit, unless the landfill is required to obtain a Title V Air Operating Permit (Title V Permit) pursuant to Section 403.0872, F.S. A landfill is required to obtain a Title V Permit if the landfill (or the total facility, if the landfill is contiguous to or part of a larger facility) has the potential to emit 10 tons per year (TPY) or more of any hazardous air pollutant, 25 TPY or more of any combination of hazardous air pollutants, or 100 TPY or more of any other regulated air pollutant. A landfill is also required to obtain a Title V Permit if the maximum design capacity, as defined in 40 CFR 60, Subpart WWW, is equal to or greater than 2.5 million Megagrams or 2.5 million cubic meters. Title V Permits must be applied for in accordance with the timing and content requirements of Rule 62-204.800, F.A.C., and Chapter 62-213, F.A.C. Title V applications shall be submitted to the District Air Program Administrator.
 - c. The permittee is required to comply with the requirements of 40 CFR 60, Subparts WWW and CC as adopted by reference in Rule 62-204.800, F.A.C. The Permittee may have to submit to the Division of Air Resource Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).
- 6. 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.
- 7. 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 any construction activities.

C. Operation Requirements

1. General Operating Requirements. The permittee shall operate the landfill in accordance with the approved Operation Plan dated June 10, 2013. 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 (1) and Appendix D).
 - 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) and Appendix D).
 - 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 8 of Capacity Expansion Area Sections 7,8,9 Operating Sequence dated June 7, 2013 and 258 feet NGVD in Phases I-IV as shown on Drawing 10 of Phases I-VI Operating Sequence dated June 7, 2013.
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.
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 June 2013 and included as part of the approved Application Documents (Appendix 2).
 - 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.7 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 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. 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 and to:
Florida Department of Environmental Protection
Solid Waste Section, MS 4565
2600 Blair Stone Road
Tallahassee, Florida, 32399-2400
15. 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.
16. 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 (Figure FDEP-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 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.

Monitoring Probe #	Location Description
LFG-1	South property boundary
LFG-2	Southwest property boundary
LFG-3	Northwest property boundary
LFG-4	North property boundary
Ambient Monitoring Location #	Location Description
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	⇓
SP-12	⇓
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 Sections K.9.b through K.9.i. 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 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

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. All submittals in response to this specific condition shall be sent to the Department's District Office at SWD_Waste@dep.state.fl.us and a copy to the address identified in Specific Condition F.1. or to the following email address: 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

Executed in *Leon* County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

 for

Charles F. Goddard, Program Administrator
Permitting and Compliance Assistance Program

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



CLERK

11-7-2013

DATE

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. 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])
2. 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])
3. 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])
4. 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])
5. 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 DATE: 11/7/13

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, 14 horizontal detection wells, and one vertical compliance well. Well TH-40 is designated as a vertical compliance well. 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 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 FDEP-1. The 32 piezometers 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 eighteen (18) 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

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

III. SURFACE WATER MONITORING

- The five (5) 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 five (5) 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 ₃
3. Dissolved oxygen	3. Biochemical oxygen demand (BOD ₅)
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 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)(I), 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 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, 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 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 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 SWD_Waste@dep.state.fl.us	Florida Department of Environmental Protection Solid Waste Section 2600 Blair Stone Road, MS 4565 Tallahassee, Florida, 32399-2400 ADaPT.EDDs.and.Reports@dep.state.fl.us
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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

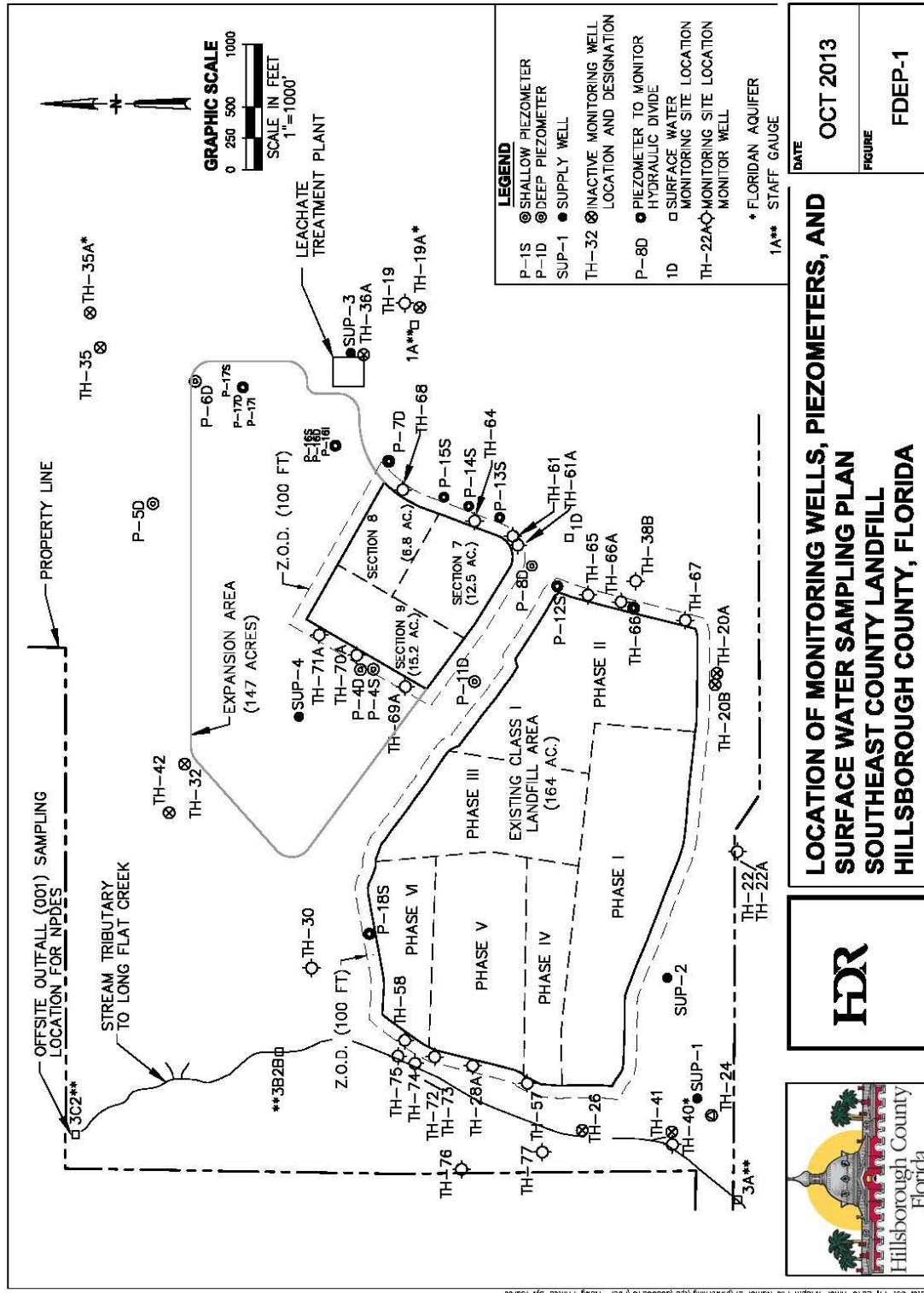
Figure FDEP-1 – Water Quality Monitoring Locations Map

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 L-1
TH-22A	19861	Surficial	Background	↓
TH-28A	19862	Surficial	Detection	↓
TH-40	822	Floridan	Horizontal Detection/ Vertical 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	↓
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 (staff gauge)		
1-D**	834	Western 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		

*Water level measurement only

** Water quality sample location only

Figure 1



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PERMITTEE NAME: Hillsborough County Utilities
 FACILITY NAME: Southeast County Class I Landfill

PERMIT NO.: 35435-022-SO/01
 WACS Facility ID: 41193

<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.b	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
Operations Plan K.8.b	Within 7 days of verbal notification	Written notification & corrective action plan for Department approval prior to initiating repairs
Specific Permit Condition C.14.a.	Annually, by January 15 th each year	Waste quantity records
Specific Permit Condition C.14.b.	Annually, by September 1 st each year	Annual estimate of remaining life and capacity
Specific Permit Condition C.15.	<p>Within 24 hours of discovery</p> <p>Within 7 days of verbal notification</p> <p>Within 60 days of written notification</p> <p>Within 30 days of written notification</p>	<p>Notification of: hazardous waste receipt, failure of landfill systems or equipment</p> <p>Written notification & corrective action plan</p> <p>Complete corrective actions for gradient or groundwater monitoring system</p> <p>Implement corrective actions for leachate management system</p>

<u>ATTACHMENT 1 (Continued)</u>		
Time Sensitive Action Chart		
Reference	Submittal Due Date	Required Item
Leachate Management Plan 9.2.2 and 9.3.2 and Specific Permit Condition C.12.d	Quarterly, by January 15 th , April 15, July 15 th , and October 15 each year	Submit leachate generation reports
Leachate Management Plan 9.1.1	Annually, within 60 days from completion of laboratory analysis.	Laboratory report for leachate sampling.
Leachate Management Plan 9.1.2	Semi-annually, within 60 days from completion of laboratory analysis.	Laboratory report for treated leachate effluent sampling.
Leachate Management Plan 9.1.3	Annually, within 60 days from completion of laboratory analysis.	Laboratory report for biosolids TCLP sampling.
Leachate Management Plan 11.2.9	Verbally with 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

<u>ATTACHMENT 1 (Continued)</u>		
Time Sensitive Action Chart		
Reference	Submittal Due Date	Required Item
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.B.2.	Within 60 days of installation of new wells	Provide survey drawing
Appendix 3: Water Quality Monitoring Plan IV.4.	Prior to abandonment	Submit abandonment plan for Department approval
Appendix 3: Water Quality Monitoring Plan I.5.	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 May and November	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

PERMITTEE NAME: Hillsborough County Utilities
FACILITY NAME: Southeast County Class I Landfill

PERMIT NO.: 35435-022-SO/01
WACS Facility ID: 41193

<u>ATTACHMENT 1 (Continued)</u>		
Time Sensitive Action Chart		
Reference	Submittal Due Date	Required Item
Operations Plan K.9	Within 7 days of detection	Submit gas remediation plan
Rule 62-701.530(3) (a)2., F.A.C.	Within 60 days of detection	Complete corrective actions
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.

PERMITTEE NAME: Hillsborough County Utilities
FACILITY NAME: Southeast County Class I Landfill

PERMIT NO.: 35435-022-SO/01
WACS Facility ID: 41193

ATTACHMENT 2 - Permit History
Southeast County Class I Landfill

Permit Number	Name	Issue Date	Description
35435-022-SO/01	Solid Waste Operation Permit	11//7/2013	Class I Landfill Operation