



# Florida Department of Environmental Protection

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813-632-7600

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

August 17, 2012

**CERTIFIED MAIL 7011 3500 0000 3205 0265**  
**RETURN RECEIPT REQUESTED**

## NOTICE OF PERMIT

Ms. Patricia V. Berry, Manager  
Hillsborough County Public Utilities  
Solid Waste Management Group  
925 East Twiggs Street  
Tampa, Florida 33602

RE: Hillsborough Southeast County Landfill, Hillsborough County  
Landfill Gas Collection and Control System Expansion Construction  
Permit Modification No.: 35435-021-SC/IM to existing  
Permit No.: 35435-016-SC/08  
WACS No.: SWD/29/41193

Dear Ms. Berry:

Attached is modified Operation Permit 35435-016-SC/08, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 35435-021-SC/IM:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Page 1 of 15	Existing	Amended	Permit modification 35435-021-SC/IM referenced & General Information table amended to include GCCS expansion details.
A.2.b.	-	New	Additional permitting documents referenced.
A.8.	Existing	Amended	Amended to reference revised Chapter 62-701, F.A.C., effective 8/12/12.
B.1.a.	Existing	Amended	Revised to authorize construction of Section 9 GCCS Expansion.
B.3.a.	Existing	Amended	Revised to reference applicable technical specification for Section 9 GCCS Expansion.
B.3.b.	Existing	Amended	Revised to reference applicable well schedule for Section 9 GCCS Expansion.
C.1.c.	-	New	Requires submittal & approval of construction certification prior to operation of the Section 9 GCCS Expansion.

This letter and its attachments constitute a **complete permit** and **replace** all previous permits and permit modifications for the above referenced facility.

A person whose substantial interests are affected by this modification of permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000, within fourteen (14) days of receipt of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within fourteen (14) days shall constitute a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes.

- (a) The petition shall contain the following information;  
The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of Department's action, or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends warrant reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C. Mediation is not available in this proceeding.

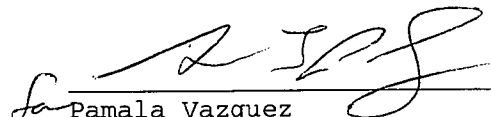
This modified permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rules 62-110 and 28-106, F.A.C. Upon timely filing of a petition or a request for an extension of time this transfer of permit will not be effective until further Order of the Department.

PERMITTEE: Hillsborough Co. Utilities Dept. Permit Modification No: 35435-021-SC/IM  
Ms. Patricia V. Barry, Group Manager SELF Section 9 GCCS Expansion Construction

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 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 of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Pamala Vazquez  
Acting Director  
Southwest District

Attachment

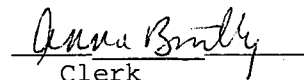
Copies furnished to:

Hillsborough County Elected Officials Notification  
Carlos Restrepo, P.E., HDR Engineers, Inc., [Carlos.Restrepo@hdrinc.com](mailto:Carlos.Restrepo@hdrinc.com)  
Megan Miller, P.E., Hillsborough County, [MillerMJ@HillsboroughCounty.ORG](mailto:MillerMJ@HillsboroughCounty.ORG)  
Ron Cope, HCEPC (e-mail)  
David Zell, FDEP Tampa -Air Section (e-mail)  
Chris McGuire, OGC Tallahassee (e-mail)  
Susan Pelz, P.E., FDEP Tampa (e-mail)  
(Permit Notebook) FDEP Tampa

**CERTIFICATE OF SERVICE**

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed or transmitted electronically to the addressee and the listed persons before the close of business on August 17, 2012 to the listed persons.  
Clerk Stamp

FILING AND ACKNOWLEDGMENT  
FILED, on this date, pursuant to Section 120.52(10), Florida Statutes, with the designated Department, Clerk, receipt of which is hereby acknowledged.

  
Clerk

8/17/12  
Date



# Florida Department of Environmental Protection

Southwest District  
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Telephone: 813-632-7600

Rick Scott  
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Secretary

## PERMITTEE

Hillsborough County Public Utilities,  
Solid Waste Management Group  
c/o Ms. Patricia V. Berry, Manager  
925 East Twiggs Street  
Tampa, Florida 33602

## PERMIT/CERTIFICATION

WACS Facility ID No: SWD/29/41193  
Permit No: **35435-016-SC/08**  
Date of Issue: **02/04/2009**  
Expiration Date: **02/04/2014**  
County: Hillsborough  
Lat/Long: 27°46'37"N  
82°10'43"W  
Sec/Town/Rge: 13, 14, 15, 18, 19, 22  
23, 24/31S/20, 21E  
Project: Southeast County Class I  
Landfill Gas Collection &  
Control System Construction

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-302, 62-330, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or referenced in Specific Condition #A.2., and made a part hereof and specifically described as follows:

To **construct** a landfill gas collection and control system for the existing Class I landfill, referred to as the **Hillsborough Southeast County Landfill**, subject to the specific and general conditions attached, **located approx. 8.8 miles east of US Highway 301 North on County Road 672, near Balm, Hillsborough County, Florida**. The specific conditions attached are for construction of:

1. A landfill gas collection and control system.

## General information:

Phases I-VI Gas extraction system	71 vertical extraction wells (6-inch slotted PVC pipe), 21 horizontal collectors (6-inch slotted HDPE pipe) w/ 20 vertical boring wellheads (6-inch slotted PVC pipe), below-grade lateral and header pipelines w/ 3 self-draining condensate traps and 3 sloped condensate u-traps.
Section 7-8 Gas extraction system	6 vertical extraction wells (6-inch slotted PVC pipe), 4 horizontal collectors (6-inch slotted HDPE pipe), below-grade lateral and header pipelines w/ 2 self-draining condensate traps.
Section 9 Gas extraction system	Sequence 1 (Fill Sequence 13) - 6 horizontal collectors (6-inch slotted HDPE pipe), below-grade lateral and header pipelines w/ 1 condensate u-trap. Sequence 2 (Fill Sequence 16) - 6 vertical extraction wells (6-inch slotted PVC pipe) Sequence 3 (Fill Sequence 18) - replacement of Sequence 2 extraction wells, if necessary.
Gas processing system	Gas inlet from landfill gas extraction system, condensate sump, knockout pot, 3 blowers, vertical candlestick flare unit. Condensate collected at knock down pot, blowers and flare drained via a 2" HDPE gravity drain line to condensate sump CS-1.

Replaces Permit No.: N/A, new permit

Includes Modification No.: 35435-021-SC/IM, dated 08/17/2012.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

**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, are 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.

**GENERAL CONDITIONS:**

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 is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

**GENERAL CONDITIONS:**

14. 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.

15. 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.

**SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements**

1. **Facility Designation.** This gas control system is designed to recover combustible gas and shall be constructed, operated, closed, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for construction of a gas collection and control system for existing Southeast County Class I Landfill in accordance with all applicable requirements of Department rules and in accordance with the reports, plans and other information prepared by SCS Engineers, Inc. (unless otherwise specified) as follows:

a. Application for a Solid Waste Construction Permit - Landfill Gas Collection and Control System - Southeast County Landfill... (3-ring binder & plan set) dated July 14, 2008 (received July 21, 2008), as revised, replaced or amended (information inserted into original) dated and received October 8, 2008 and November 3, 2008. This information includes, but is not limited to:

- 1) Attachment E-2 - *Technical Specifications*; and
- 2) Plan Sheets titled, Southeast County Landfill - Landfill Gas Collection and Control System Project... (30 Sheets) dated October 8, 2008 (received October 8, 2008) including Sheets S-1 through S-10 and Sheets E-1 through E-3, received July 21, 2008.

b. Section 7, 8, and 9 Landfill Gas Collection and Control System Expansion - Southeast County Landfill... (3-ring binder & plan set), prepared by HDR Engineering, Inc., dated and received March 9, 2012, as revised, replaced or amended (information inserted into original) dated and received May 1, 2012. This information includes, but is not limited to:

- 1) Appendix B - *Technical Specifications*, as revised May 1, 2012; and
- 2) Plan Sheets titled, Section 7, 8, and 9 Gas Collection and Control System Expansion... (10 Sheets) dated March 2012 (received March 9, 2012).

**New 08/17/2012.**

3. **Permit Modifications.**

a. Any construction, operation or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Any significant changes to the construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the construction of the Phase I-VI and Sections 7 & 8 gas collection and control system and other related appurtenances, only.



**SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements**

4. **Permit Renewal.** No later than July 1, 2013 the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-4.090, F.A.C.

5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions." General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

8. **Regulations.** Chapter 62-701, F.A.C., effective August 12, 2012, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

**Amended 08/17/2012.**

9. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

a. In the event that limestone is encountered during excavation or construction activities, the excavation/construction activities shall cease and the Department shall be notified **within 24 hours of discovery**. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the continued construction and operation of the facility. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered on-site, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

1. **Construction.** All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.

a. This permit authorizes the construction of the gas collection and control system for Phases I-VI and Sections 7, 8, and 9 of the Class I landfill and related appurtenances only.

**Amended 08/17/2012.**

2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate.

a. **Within sixty (60) days** after the specified construction has been completed, the following activities shall be completed and submitted by the permittee for Department approval. Operation of the constructed systems, structures, equipment, etc., shall not be initiated prior to Department approval of the information required by this Specific Condition:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e., all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include, but not be limited, to as-built plans, details and elevations (survey).

3) The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.

4) The professional engineer of record shall submit to the Department a final report to verify conformance with the plans and specifications in accordance with Rules 62-701.400(7) and (8), F.A.C.

3. **Record Drawings/Documents.** The Record Drawings/Documents shall include, but not be limited to, the following information:

a. As-built survey of location and elevations along horizontal collector piping, landfill gas header and transmission lines and condensate discharge lines and drain pipes for the extraction wells and horizontal collector trenches [ref. Spec 31 20 00 - 3.06.C.; Spec 0221-3.11];

**Amended 08/17/2012.**

b. Ground surface elevations and well depths for each of the extraction wells and horizontal collector vertical borings listed on the "Well Schedule" identified on Sheet 8 of 30 [ref. Sp. Cond. #A.2.a.(2)] or those listed on "LFG Extraction Well Schedule" on Sheet C-06 [ref. Sp. Cond. #A.2.b.(2)].

**Amended 08/17/2012.**

c. Copies of photographs documenting all stages of the construction project;

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

4. **Pre-Construction Meeting Notification.** Department Solid Waste Permitting staff shall be notified **at least one (1) week prior** to all pre-construction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on site and discuss all plan changes with Department Solid Waste Permitting Staff. A copy of the minutes from the pre-construction conference shall be submitted to the Department within two (2) weeks of the conference.
5. **Construction Schedule and Progress Report.**
  - a. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.
  - b. An updated construction schedule and progress report shall be submitted to the Department **monthly, by the 15<sup>th</sup> of each month**. The monthly progress report should be submitted electronically in PDF format or in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project. The monthly progress reports shall include, but not be limited to:
    - 1) A narrative explaining the status (and any delays) of major stages of the construction;
    - 2) A summary of submittals and change order requests;
    - 3) Weekly progress meeting minutes; and
    - 4) Color copies of photographs, which are representative of the typical construction activities for the reporting period, and which show overall views and details of major stages of construction. If digital photographs are taken, a CD-Rom containing the photographs may be submitted in lieu of printed copies.
6. **Construction Tolerances.** Invert elevations of the landfill gas collection and control pipes shall be recorded at a frequency sufficient to demonstrate that the headers and laterals have been constructed to the slopes and grades shown on the drawings and will drain adequately. This information shall be included with the Record Documents.
7. **Laboratory and Field Testing Requirements.** Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory.
8. **Construction Quality Assurance.**
  - a. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference.
  - b. Leachate or gas condensate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to the land, surface water or groundwater at any time during the construction activities.
  - c. Unsatisfactory, defective or non-conforming work shall be reported to the Engineer and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained onsite for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.3.

PERMITTEE: Hillsborough County Solid Waste Mgmt Dept.  
Mr. Barry Boldissar, Director

PERMIT NO: 35435-016-SC/08  
Gas Collection & Control System Construction  
Southeast County Landfill

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition #B.8., cont'd)

d. Excavated refuse shall be loaded and transported to the Class I landfill working face by the end of each working day. No refuse shall be allowed to remain uncovered overnight. The refuse must be removed immediately during any rain event to prevent stormwater from contacting the refuse. [ref. Spec 02 41 16 - 2.01.B.]

e. The non-perforated HDPE laterals, leachate and condensate drain lines, connections to LFG header, and air supply lines, shall be subjected to pressure tests to detect any leaks in the piping.

f. All dewatering liquids shall be managed as leachate.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Chapter 62-701, F.A.C., and Operation Permit 35435-014-SO/01, (including modifications, if any), or its successors.

b. This permit does not authorize the operation of the Phase I-VI and Sections 7 & 8 gas collection and control system and other related appurtenances until the following requirements have been completed and submitted by the Permittee, and approved by the Department:

1) Certification of Construction Completion requirements of Specific Conditions #B.2. and #B.3.,

2) Issuance of a permit modification of Operation Permit No. 35438-014-SO/01 or its successor, submitted in accordance with Specific Condition #A.3.a., that authorizes operation of the landfill gas collection and control system and its related appurtenances.

c. This permit does not authorize the operation of the Section 9 gas collection and control system expansion and other related appurtenances until the following requirements have been completed and submitted by the Permittee, and approved by the Department:

1) Certification of Construction Completion requirements of Specific Conditions #B.2. and #B.3.,

**New 08/17/2012.**

The permittee may temporarily operate the constructed system for up to 180 days to allow for system start-up and operational adjustments while the certification of construction completion and permit modification submittals and approvals required by this specific condition are completed. The permit shall notify the Department electronically or in writing of the start date for temporary start-up operation of the system.

d. Leachate and/or gas condensate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

**2. Facility Personnel.** The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.

**3. Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C.

**4. Monitoring of Waste.** Wastes shall be monitored as required by Operation Permit 35435-014-SO/01, (including modifications, if any), or its successors.

**5. Control of Nuisance Conditions.** The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction and operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Odors observed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring and management systems, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharges, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**7. Stormwater Management.** The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running on to waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. The stormwater management system shall be inspected for damage and proper operation daily.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report Submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc., shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.
2. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.
3. **Waste Records.** The permittee shall maintain all records required by the construction specifications, and this permit on-site, and shall provide copies to the Department upon request, unless specified otherwise.
4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C. and Operation Permit 35435-014-SO/01 (including modifications, if any), or its successors.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

1. **Water Quality Monitoring Quality Assurance.** Water quality monitoring shall be conducted as required by Operation Permit 35435-014-SO/01 (including modifications, if any), or its successors.

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, 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).

**2. Gas Monitoring and Control.**

a. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C. (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

b. The owner or operator shall control landfill gas after the shutdown of the active landfill gas collection system (i.e., gas is no longer routed to the boiler or the flare). In the event that a passive gas venting system is required the owner or operator shall submit an application for minor permit modification to authorize its construction/operation.

**3. Gas Monitoring Locations.** Landfill gas monitoring shall be conducted as required by Operation Permit 35435-014-SO/01 (including modifications, if any), or its successors.

**4. Gas Remediation.** In the event that the Lower Explosive Limit (LEL) is greater than 25% inside structures both on and off of the landfill site, or greater than 100% at the property boundary, the owner shall submit to the Department, **within 7 days of detection**, a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days of detection** unless otherwise approved by the Department.

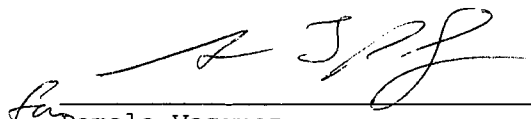


**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

1. **Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
  - a. The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.620, F.A.C., and the conditions of Operation Permit 35435-014-SO/01 (including modifications, if any), or its successors.
  - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
4. **Use of Closed Landfill Areas.** Prior to implementation, the owner or operator shall submit a plan for any proposed uses of the closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate collection, bottom liner), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval, and may require a permit modification or separate permit.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Pamala Vazquez  
Acting Director  
Southwest District

**ATTACHMENT 1**

<b>SPECIFIC CONDITION</b>	<b>SUBMITTAL DUE DATE</b>	<b>REQUIRED ITEM</b>
A.4	No later than July 1, 2013	Submit application for permit renewal
A.9.a.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of sinkholes or subsurface instability  Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
B.4.	At least 1 week prior  No later than 2 week after pre-construction meeting	Notify of preconstruction meeting  Submit meeting minutes
B.5.b.	Monthly, by the 15 <sup>th</sup> each month	Submit monthly progress report & schedule
C.6.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: sinkholes, failure of landfill systems or equipment, etc.  Written notification & corrective action plan



Cash Receiving Application - Collection Point Log Remittance

CL AREA **SWD** CRAF006A

Logged Total **\$500.00**

**Collection Point Log Remittance**

Remittance ID **973515** Type **CP** Received Date **03/09/2012** Status **RECEIVED**

System Receipt **773567** PNR  Check # **03369574** Amount **500.00**

SSNFEID  Name **HILLSBOROUGH COUNTY BOCC**

First  Middle  Title  Suffix

Address1 **P.O. BOX 1110**

Address2

City **TAMPA** ST **FL** Zip **33601**

Country  Short Comments **SO 35435-021**

**PAYMENT(S)**

Payment ID	CL Area	Code/Description	Payment Amount	Reference#	Appl	Fund *	Grant *	Status
<b>1139058</b>	<b>SWD</b>	<b>002244 SOLID WASTE CON</b>	<b>500.00</b>		<b>PA</b>	<b>PETF</b>		<b>COMPLETE</b>

**COMMIT FREQUENTLY:** **500.00** Payment Total



Permitting Application - Permit Detail and Log Permit

**SITE Permit**

Site Name **HILLSBOROUGH CO. SOUTHEAST LF (LP1)** Site # **0035435**

County **HILLSBOROUGH** Comments **N** RPAs **N** # Cases **0**

**Project**

Permit #  Project # **021** Received **03/09/2012** CRA # **383714**

Permit Office **SWD** Agency Action **Pending**

Project Name **HILLSBOROUGH SELF GAS SYSTEM** Desc **Mod**

Type/Sub/Des **SC / IM INTERMEDIATE MODIFICATION** WACS/ME ID **41193** Pre-App

Logged **03/12/2012** Issued  Expires  Application Action **MODIFICATION**

Fee **500.00** Fee Recd **500.00** Del  COE #  Override **CORRECTION**

**Related Party**

Role **APPLICANT** Begin **03/12/2012** End

Name **BERRY, PATRICIA V** Company **HILLSBOROUGH CO PUBLIC UTILITIES-SW MGMT GR**

Address **925 EAST TWIGGS STREET**

City **TAMPA** State **FL** Zip **33602** Country **U.S.A.**

Phone **813-272-5977** Fax **813-272-6224** Email **berryp@hillsboroughcounty.org**

**Processors**

Processor **MORGAN S** Active **03/12/2012** Inactive  Events



Distribution Object		PAYMENT(S)							
PaymentID	CL Area	Code/Description	Payment Amount	Reference#	Appl	Fund*	Grant*	Status	
092010	SWD	002244 SOLID WASTE CON	\$1,000.00		PA	PETE		COMPLETE	

COMMIT FREQUENTLY

\$1,000.00 Payment Total

Press =TAB> to accept Collection Point or enter F&A



SITE Permit								
Site Name		HILLSBOROUGH CO. SOUTHEAST LF (LF1)				Site #	0035435	
County	HILLSBOROUGH	Comments	<input checked="" type="checkbox"/>	RPA's	<input type="checkbox"/>	# Cases	0	
Project								
Permit #		Project #	016	Received	07/21/2008	CRA #	319706	
Permit Office	SWD (DISTRICT)			Agency Action	Pending			
Project Name	HILLSBOROUGH SOUTHEAST LF		Desc	Gas Collection & Control System Construction				
Type/Sub/Des	SC	08	OTHER	COE #		OGC	<input type="checkbox"/>	
Logged	07/23/2008	Issued		Expires		Application Action	NEW	
Fee	1000.00	Fee Recd	1000.00	Dele		Override	NONE	
Related Party								
Role	APPLICANT		Begin	07/23/2008	End			
Name	BOLDISSAR, BARRY M		Company	HILLSBOROUGH COUNTY RESOURCE RECOVERY				
Address	601 EAST KENNEDY BLVD							
City	TAMPA		State	FL	Zip	33602	Country	U.S.A.
Phone	813-272-2900		Fax		Email	boldissarb@hillsboroughcounty.org		
Processors								
Processor	MORGAN S		Active	07/23/2008	Inactive		Events	

Enter 'Y' if this is the PRIMARY processor.