



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

CERTIFIED MAIL 7004 0750 0003 0516 4981
RETURN RECEIPT REQUESTED

August 8, 2006

NOTICE OF PERMIT

Hillsborough County Solid Waste Management Dept.
Mr. Barry Boldissar, Director
P.O. Box 1110
Tampa, Fl. 33601

RE: Hillsborough County Southeast Class I Landfill
Modification #35435-012-SO/MM to existing
Operation Permit #35435-006-SO

Dear Mr. Boldissar:

Attached is modified Operation Permit 35435-006-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 35435-012-SO/MM:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
2.b., 2.c., 2.d. 2.j.	Existing N/A	Deleted New	Revised information submitted Revised operational information referenced
10.b., 26.a., 41, 42.b., 14.a(2)	Existing N/A	Amended New	Revised DEP office address Authorizes use of ditch cleanings for initial cover
15.d. 31., 34.b., 35 36.b., 41	N/A Existing Existing	New Amended Amended	Clarifies sequence of filling Revised sampling location figure Quarterly groundwater sampling required

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

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The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts, which the petitioner contends, warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

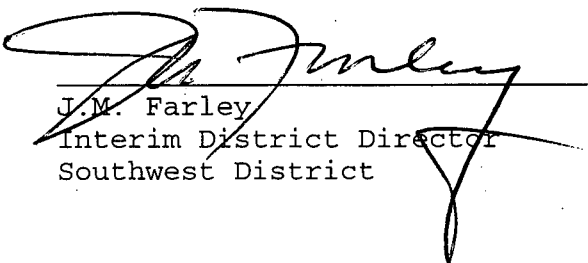
Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



J.M. Farley
Interim District Director
Southwest District

JMF/sjp
Attachment

Copies furnished to:

Hillsborough County Board of County Commissioners
Hillsborough County Notification List
Patty Berry, Hillsborough Co SW, PO Box 1110, Tampa, Fl. 33601
Ron Cope, HCEPC
Joe O'Neill, JEA, 324 S. Hyde Park Ave., Ste 250, Tampa, Fl. 33606
Pat Comer, OGC Tallahassee
Fred Wick, FDEP Tallahassee
Richard Tedder, P.E., FDEP Tallahassee
Permit Notebook

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on August 8, 2006 to the listed persons.
(date 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.

Anna Blum 8/8/06
Clerk Date



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

PERMITTEE

Hillsborough County
Solid Waste Management Dept.
Mr. Barry M. Boldissar, Director
Post Office Box 1110
Tampa, Florida 33601

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/29/41193
Permit No: **35435-006-SO**
Date of Issue: **06/25/02**
Expiration Date: **06/20/07**
County: Hillsborough
Lat/Long: 27°46'25"N
82°11'15"W
Sec/Town/Rge: 13, 14, 15, 22,
23, 24/31S/21E
Project: Southeast County Landfill,
Phases I - VI

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-330, 62-520, 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 on file with the Department and made a part hereof and specifically described as follows:

To operate, maintain and monitor a landfill, leachate treatment plant and related ancillary facilities (approximately 200 acres), referred to as Phases I - VI of the Southeast County Class I Landfill Facility, subject to the specific and general conditions attached, for disposal of solid waste, located 8.8 miles east of U.S. 301 on C.R. 672, southeast of Tampa, Hillsborough County, Florida. The specific conditions attached are for the operation of:

1. Class I Landfill and related facilities

General Information:	
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	+255 feet NGVD,
Slopes	4H:1V sideslopes (exterior), 5% top

Replaces Permit No.: SO29-256427

Includes modification No. 35435-008, issued July 21, 2003.

Includes modification No. 35435-012, issued 08/08/2006.

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.

"More Protection, Less Process"

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PERMITTEE: Hillsborough Co. Solid Waste Dept.
Mr. Barry M. Boldissar, Director

PERMIT NO: 35435-006-SO
Southeast County Landfill,
Phases I - VI

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.

PERMITTEE: Hillsborough Co. Solid Waste Dept.
Mr. Barry M. Boldissar, Director

PERMIT NO: 35435-006-SO
Southeast County Landfill,
Phases I - VI

GENERAL CONDITIONS:

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.

PERMITTEE: Hillsborough Co. Solid Waste Dept.
Mr. Barry M. Boldissar, Director

PERMIT NO: 35435-006-SO
Southeast County Landfill,
Phases I - VI

GENERAL CONDITIONS:

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

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.

PERMITTEE: Hillsborough Co. Solid Waste Dept.
Mr. Barry M. Boldissar, Director

PERMIT NO: 35435-006-SO
Southeast County Landfill,
Phases I - VI

GENERAL CONDITIONS:

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:

1. **Landfill Designation.** This site shall be classified as a Class I landfill and shall be operated in accordance with all applicable requirements of Chapters 62-4, 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 operation of the Class I landfill (Phases I - VI), leachate treatment plant and related facilities in accordance with the reports, plans and other information submitted by SCS Engineers, Inc. (SCS) (unless otherwise noted) as follows:

a. Operation Permit Renewal Application, Southeast County Landfill, Hillsborough County, Florida, dated May 2001 (received May 3, 2001) including information revised as follows (inserted into original):

- 1) Information dated July 16, 2001 (received July 17, 2001),
- 2) December 14, 2001 (received December 14, 2001), and
- 3) March 4, 2002 (received March 4, 2002);

b. ~~Attachment L-2, Groundwater Monitoring Plan Evaluation,...~~ dated April 15, 2003 July 2001 (received April 15, 2003 July 17, 2001), including revised pages 2-3 received April 2, 2002 May 5, 2003, Amended July 21, 2003; **Replaced 08/08/2006.**

c. ~~Attachment K-1, Operations Plan,...~~ dated May 12, 2003 May 2001 as revised July 2001 (received May 15, 2003 July 17, 2001), including supplemental information received March 4, 2002, Amended July 21, 2003; **Replaced 08/08/2006.**

d. Leachate Management Plan (LMP),... dated May 12, 2003 ~~May 2001 as revised July 2001 (received May 15, 2003 July 17, 2001)~~ including supplemental information received March 4, 2002, June 20, 2002 and June 24, 2002; Amended July 21, 2003.

e. Plan sheets titled, Southeast County Landfill Operating Sequence, Permit Renewal - Appendix E, August 1994,... received August 22, 1994, including the following revised sheets:

- 1) Drawing 2 of 21, "Index, Legends and General Notes," received July 17, 2001;
- 2) Drawing 3 of 21, "Final Drainage Plan/Plot Plan," received July 17, 2001;
- 3) Drawing 7 of 21, "Phases V and VI - Lifts 7C, 7D and 7F," received July 20, 2001;
- 4) Drawing 8 of 21, "Phases I to IV - Lifts 8 to 11," received May 3, 2001;
- 5) Drawing 16B of 21, "Semi-annual Landfill Sections 3," received July 17, 2001;

SPECIFIC CONDITIONS:

(Specific Condition #2.e., continued)

- 6) Drawing 16C of 21, "Semi-annual Landfill Sections 4," received July 17, 2001;
 - 7) Drawing 16D of 21, "Semi-annual Landfill Sections 5," received July 17, 2001;
 - 8) Drawing 16E of 21, "Semi-annual Landfill Sections 6," received July 17, 2001;
 - 9) Drawing 17 of 21, "Landfill Sections," received July 17, 2001;
 - 10) Drawing 19 of 21, "Details 2," received July 17, 2001
- f. Plan sheets titled, Southeast County Landfill Lift 7 - Phases V and VI Sequence Drawings,... (9 sheets, replacing Drawings 6 and 7 of 21 dated August 1994) received December 31, 1998, except Drawing 7 of 21 as subsequently revised above;
- g. "Facility Site Plan and Existing Topography," Drawing 1 of 1, dated April 18, 2001 (received May 3, 2001);
- h. "Estimated Top of Clay Contours (as of January 2001)," Drawing 1 of 1, dated May 2001, as revised July 16, 2001 (received July 17, 2001), except as revised by Figures D-1 and D-2, Appendix D, received March 4, 2002;
- i. General Process and Operation Manual for the PACT Leachate Treatment System (March 1994) received October 23, 1996;
- j. Application for permit modification and supporting information as follows:
- 1) Operation Plan Phases I-VI and Sections 7 and 8 Capacity Expansion, dated August 17, 2005, prepared by SCS (including revised pages received October 3, 2005 and January 30, 2006) (3 ring binder replaces Operation Plan listed in SC#2.c);
 - 2) Ground Water Monitoring Plan, Phases I-VI and Sections 7 and 8, (prepared by SCS Engineers, received August 17, 2005, as revised September 30, 2005 (received October 3, 2005) (3 ring binder replaces Groundwater Monitoring Plan listed in SC#2.b.);
- New 08/08/2006.**

and in accordance with all applicable requirements of Department rules.

SPECIFIC CONDITIONS:

3. Permit Modifications.

a. Construction, operation, or other activities subject to the Department's Solid Waste Regulations, 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 operations 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 operation of the existing Class I landfill (Phases I - VI), leachate treatment facility and related appurtenances. This permit does not authorize the operation of the class I landfill Section 7 capacity expansion northeast of the existing landfill (construction permit #35435-004-SC). ~~Operation of the class I landfill expansion shall require a major (substantial) modification of this permit prior to operation. Operation of Pond B is not authorized by this permit until Department approval of the Certification of Construction Completion documentation required by Specific Condition #7 of construction permit #35435-005-SC.~~
Amended July 21, 2003.

c. Certification of Construction Completion shall be submitted for all Department-approved design features (such as stormwater related drainage improvements) in accordance with Specific Condition #47., below.
Amended July 21, 2003.

4. Permit Renewal. No later than one hundred eighty (180) days before the expiration of the Department Permit, 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 F.A.C. 62-701.320(10). Operation permit renewal shall include but not be limited to an updated Operations Plan and Site Plans for the sequence of filling with cross-section of lifts for changes if necessary.
Amended July 21, 2003.

5. Prohibitions.

a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this site.

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, 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 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.

SPECIFIC CONDITIONS:

6. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.
7. **Facility Operation Requirements.**
 - a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #2, above; and any other applicable requirements.
 - b. Leachate 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.~~
Amended July 21, 2003.
 - c. Leachate discharge to area surface waters is not authorized by this permit. ~~Surface water discharge~~ and shall be considered a violation of this permit. ~~and~~ The permittee shall immediately report any such discharge to the Southwest District Office of the Department in accordance with Specific Condition #28.b., below.
Amended July 21, 2003.
 - d. The permittee shall clearly stake/mark the location of the edge of the geomembrane liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The staking/markers shall be maintained at all times.
 - e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. Daily on operating days, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.
 - f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.
 - g. Waste shall not be disposed (i.e. covered, compacted, etc.) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.
 - h. Sufficient personnel and equipment shall be utilized to adequately operate the facility.
 - i. **Unauthorized Wastes.** A sufficient number of spotters and operators shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment).

SPECIFIC CONDITIONS:

(Specific Condition #7, continued)

j. *Site Inspections.*

1) The owner or operator shall inspect the site for erosion daily. Erosion shall be repaired in accordance with Specific Condition #28.e., below.

2) The owner or operator shall inspect the landfill facility at least quarterly for the presence of objectionable odors at the monitoring points LFG-1, LFG-2, LFG-3, and LFG-4. In the event that odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #27, below.

3) The owner or operator shall inspect the normal traffic areas of the facility for litter daily on operating days. The accessible property boundaries shall be inspected for litter at least weekly. Litter shall be collected and disposed of in the Class I landfill, at least once per day on operating days, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures within 30 days.

k. *Emergency/Contingency Operations.*

1) In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (greater than 72 hours) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.

2) *Equipment.* In the event of equipment breakdown or scheduled maintenance of essential equipment (such as equipment required for spreading, compacting and covering waste), the owner or operator shall ensure that sufficient reserve equipment is operating at the site within 24 hours of the occurrence. In the event that sufficient reserve equipment is not obtained within 24 hours, the facility shall cease operation until sufficient equipment is operating at the site.

3) *Fires.* In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #28.b., below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. ~~In no event shall the 12.5 acre SCLF Expansion Section 1 be used for waste disposal without prior written Department approval.~~

Amended July 21, 2003.

8. **Method and Sequence of Filling.** The method and sequence of filling shall be in accordance with the plan sheets listed in Specific Conditions #2.e and f., above, the Operations Plan [ref. SC#2.c.], and Table 1, Southeast Landfill Filling Sequence [ref. SC#2.a., Appendix J, July 16, 2001].

SPECIFIC CONDITIONS:

9. Operating Personnel.

a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner. Amended July 21, 2003.

b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials. Amended July 21, 2003.

c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request. Amended July 21, 2003.

10. Operation Plan and Operating Record.

a. 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.

b. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, Southwest District Office, 13051 N. Telecom Parkway, Temple Terrace, Florida 33637-0926; and to: Hillsborough County Environmental Protection Commission, Waste Division, 3629 Queen Palm Drive, Tampa, FL 33619-1309.

Amended 08/08/2006.

c. Proposed changes to the current Department-approved Operations Plan shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #3. ~~unless otherwise approved in writing by the Department.~~ The Operations Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be ~~struckthrough~~ (struckthrough) and additions may be shaded (~~shaded~~) or similar method may be used) and each page numbered with the document title and date of revision. ~~The Operations Plan shall be reviewed and all changes, or a statement indicating that no changes have occurred, shall be submitted to the Department annually, by April 15th each year.~~ Amended July 21, 2003.

SPECIFIC CONDITIONS:

(Specific Condition #10., continued)

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.
- 2) A log of the facility operator's daily inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed;
- 5) Operator and spotter training certificates and other documentation; ~~and~~
- 6) Log of odor complaints and corrective action; and
- 7) Records as described in Rule 62-701.500(13).
Amended July 21, 2003.

11. Waste Records.

a. Waste records shall be maintained as required by Rules 62-701.500(4). The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled monthly and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15th, April 15th, July 15th and October 15th of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition. ~~Records shall be maintained as required by Rules 62-701.500(4), and 62-701.500(13), F.A.C., and the conditions of this permit. Except water quality monitoring reports (e.g. groundwater, surface water and leachate), these records shall be maintained onsite, and copies provided to the Department upon request, or as otherwise specified in this permit. Water quality monitoring reports may be maintained at the site or at the County downtown office.~~
Amended July 21, 2003.

SPECIFIC CONDITIONS:

(Specific Condition #11, continued)

b. The owner or operator shall conduct a topographic survey of the Class I disposal area, and shall estimate the remaining disposal capacity and site life as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than September 1st each year November 1st** ~~each year~~, a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or professional land surveyor as appropriate, ~~and revised sequence of filling drawing~~ shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (4H:1V), ~~3H:1V~~ and that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved operating sequence drawings. Certification of Construction Completion shall be submitted with the survey in accordance with Specific Condition #47., below..

~~c. All notifications required by this permit, requests for permit modification and other reports shall be submitted to the Department's Southwest District office and also to Hillsborough County EPC, Solid Waste Section.~~
~~Deleted July 21, 2003.~~

12. Monitoring of Waste.

a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.

b. The permittee shall not accept hazardous waste or any hazardous substance for disposal at this site. Hazardous waste is a waste identified in Chapter 62-730, F.A.C. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #28.b., below.

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

SPECIFIC CONDITIONS:

13. Special Wastes.

a. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the information referenced in Specific Conditions #2.a. and #2.c. (Operations Plan); Rules 62-701.300(8) and 62-701.520, F.A.C.; and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that discharge of contaminants to the environment is prevented.

b. Scrap metals. The scrap metals shall be removed from the site at least monthly, or when the container is full, whichever occurs first. Scrap metals which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The maximum quantity of scrap metal which may be stored at the site is limited to two 40 c.y. roll-off containers.

c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C.; the Operations Plan; and all other applicable federal and Department rules.

d. Unauthorized special wastes (e.g. lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling. These wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. These wastes shall be removed from the site for proper disposal at least **monthly**.

1) White Goods. The white goods shall be removed from the site at least **every 30 days**. ~~or when the container is full, whichever occurs first.~~ White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked. A maximum of 50 white goods may be stored at the site at any time.
Amended July 21, 2003.

2) Lead acid batteries. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 batteries may be stored at the site at any time.

3) Used oil. Used oil shall be stored in containers, and is limited to a maximum of 20 gallons stored at any time.

SPECIFIC CONDITIONS:

14. **Waste Handling Requirements.** All solid waste disposed of in the Class I disposal area 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., so as to protect the public health and welfare.

1) 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. Areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day.**

2) 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.
- 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.
- 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.
- A 50% soil and 50% mulch mixture applied in a six (6) inch compacted layer may be used as initial cover. ~~with prior Department approval.~~

Amended July 21, 2003.

- Ditch cleanings, stormwater 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.

New 08/08/2006.

b. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C.

1) 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.

Amended July 21, 2003.

SPECIFIC CONDITIONS:

(Specific Condition #14.b., continued)

2) Soil materials which have been previously used for intermediate or initial cover, and which contain solid waste (including ash), shall not be re-used on slopes which discharge to the stormwater management system or as interceptor ~~perimeter~~ berms around the perimeter of the active working face area. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.

Amended July 21, 2003.

3) Materials other than soil shall not be used for intermediate cover without prior written Department approval.

15. Working Face.

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. **Interceptor berms and/or swales 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, and have been adequately ~~intermediately~~ covered with at least 6 inches of compacted soil (or a mixture of soil/mulch) free of waste ~~as defined by Rule 62-701.200(55), F.A.C.,~~ and stabilized to control erosion.

Amended July 21, 2003.

c. Waste shall be spread and compacted in accordance with the Operations Plan [ref. SC#2.c., ~~page K-8~~]. The working face slope ~~slopes~~ shall be no greater (steeper) than 3H:1V ~~4H:1V~~ [ref. SC#2.c., ~~K-7.d.~~].
Amended July 21, 2003.

d. During normal operations, only one working face will be active at any time, with the solid waste at all other areas within the landfill secured by a minimum six inches of initial cover. The working face may move in alternating months from Phases I-VI to Section 7/8, and may not be consecutive alternating months. [ref. Op Plan, §L2.e.]

New 08/08/2006.

16. Leachate Management.

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the information submitted in the references listed in Specific Condition #2, above, and other applicable Department rules.

b. Leachate which has accumulated on the surface in low areas within the active disposal area shall be removed from the disposal area within 72 hours ~~one (1) week of detection~~.

SPECIFIC CONDITIONS:

(Specific Condition #16, continued)

c. In the event that the leachate level in Pump Station B exceeds 24 inches, the operation of the PPS-B pump(s) and Bubbler Pump Controller shall be evaluated. If the cause of excessive leachate in PPS-B is pump failure, a replacement pump shall be installed within 8 hours of detection of the pump failure [ref. SC#2.a., Response #12(e)(5)d, July 16, 2001], otherwise, the Department shall be notified in accordance with Specific Condition #28.b., and a corrective action plan shall be submitted for Department approval.
Amended July 21, 2003.

d. The leakage action rate for the LDS in Pond B is 1500 gallons/day. In the event that this leakage action rate is exceeded, a permanent submersible pump shall be installed in the LDS [ref. SC#2.a., Response #9(i)(14), December 14, 2001]. Pond B may be used for leachate storage only with prior, written Department approval. The request for use of Pond B for leachate storage shall include the information described in the Leachate Management Plan, Section 4.7 ~~(page 4-5)~~ [ref. SC#2.d.].

e. The effluent depth in Pond A shall not exceed 4.5 feet. The effluent/leachate depth in Pond B shall not exceed 3.6 ~~4.5~~ feet.

f. In order to measure the potentiometric levels in the SCLF, the following field investigation (described in the LMP, Section 6, ~~page 6-2~~ [ref. SC#2.d.]) will be conducted **annually**, and submitted to the Department **by April 15th each year**. The first investigation is due no later than **April 15, 2003**. Piezocone soundings will be performed in the vicinity of PC-1B (Phase I), PC-4B/PC-4C (southeastern portion of Phase IV), PC-3/PC-3B (northeastern portion of Phase III), and PC-1F (eastern end of Phase I), as shown on Figure 6-1 (attached). The piezocone soundings will collect the following data:

- 1) Pore pressure above the phosphatic clays (within the sand drainage layer).
- 2) Elevation of the top and bottom of the phosphatic clays.
- 3) Pore pressure at the top, middle, and bottom of the phosphatic clay.
- 4) Pore pressure below the phosphatic clays.

A report will be prepared, signed and sealed, by a registered professional engineer following each monitoring event and submitted to the Department, presenting the findings and conclusions relative to the performance of the leachate collection system and recommendations as appropriate.

Amended July 21, 2003.

SPECIFIC CONDITIONS:

(Specific Condition #16., continued)

g. ~~Within one hundred twenty (120) days of issuance of this permit, the permittee shall install Temporary Pump Station No. 6 (TPS-6).~~ TPS-6 will consist of a vacuum assisted pump (similar to PPS-B) with a 3-inch to 4-inch diameter suction line installed within the header of cleanout 4-1 to reach 600 feet into the landfill near the top of clay elevation +114 feet NGVD. ~~TPS-6 shall be equipped with a bubbler level control system, similar to PPS-B. [ref. SC#2.a., Response #7.f., March 4, 2002]~~ TPS-6 shall remain in place, and continue to be operated and maintained as described in the LMP Section 4.9, unless otherwise authorized by the Department.
Amended July 21, 2003.

h. *Leachate Disposal.*

1) In the event that the on-site Leachate Treatment and Reclamation Facility (LTRF) is not operational, leachate shall be hauled offsite for disposal at an appropriately permitted wastewater treatment facility. ~~[ref. SC#2.a., Section K.8.d., May 2001]~~. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.
Amended July 21, 2003.

2) In the event that the primary leachate disposal facility or the LTRF becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW or LTRF, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or LTRF, or in accordance with an alternate schedule approved by the Department.

i. *Leachate Collection System Inspections/Maintenance.*

1) The leachate collection and removal system and gravity pipelines, shall be visually or video inspected or water pressure cleaned at cleanouts 4-1, 5-1, 5-2, 5-3, 6-1 and PPS-B access pipes to verify adequate performance twice during this permit period. Force mains shall be video inspected or water pressure cleaned when the pump station performance indicates that the force mains may be ~~are~~ obstructed. Components not performing adequately shall be cleaned and/or repaired. **By June 1, 2004 and no later than December 1, 2006**, a report summarizing the results, and copies of the videotape of this inspection shall be submitted to the Department to demonstrate adequate performance of the leachate collection and removal system. The inspection report shall include an evaluation of the effectiveness of the system, the locations of cleaning and video inspections (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. If the pipes are water-jet cleaned, the report shall include a description of the method of cleaning. The permittee shall retain a copy of the videotape at the facility for reference and shall provide a copy to the Department.

SPECIFIC CONDITIONS:

(Specific Condition #16.i., continued)

2) Each pump and pump station and related sensors and controller mechanisms ~~Bubbler Pump Controller (BPC)~~ shall be inspected on a semi-annual basis. Pump performance shall be verified and current draw recorded. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance. Documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.
Amended July 21, 2003.

3) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the Leachate Management Plan [see Section 3, Table 3-1, ref. SC#2.d.].

j. *Leachate quantities.*

1) In the event of a failure of leachate metering or pumping equipment which is not corrected within 24 hours of detection, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #28.b., below.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year.** Leachate generation reports shall include the number of open, intermediate and closed acres, and the quantities of leachate collected, recirculated, treated and disposed on-site, and hauled/piped off-site to a wastewater treatment facility, and daily precipitation amounts greater than one tenth of an inch.

k. *Leachate Treatment and Removal System Operation.*

1) The leachate storage tanks shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. The tanks, containment area, truck loadout area, and other leachate treatment and storage system appurtenances shall be inspected at least weekly for leakage or other damage.

2) Biosolids and sludge from the LTRF shall be characterized at least **annually**, in accordance with Specific Condition #32.c., to demonstrate that the sludge and biosolids are non-hazardous. The sludge and biosolids shall be dewatered sufficiently (i.e. pass the paint filter test, EPA method 9095) prior to disposal in the landfill.

Amended July 21, 2003.

SPECIFIC CONDITIONS:

17. No later than one hundred eighty (180) days prior to permit expiration (December 1, 2006), the permittee shall submit an evaluation of the performance of the clay bottom liner and leachate management system. The evaluation is to assure the Department that the clay bottom liner is consolidating as originally designed and to estimate the amount of consolidation and settlement of the clay bottom liner which has actually occurred. The evaluation shall be based on actual field data and shall include: a summary of clay performance and leachate management system performance based on the annual evaluations required by Specific Condition #16.f., above; leachate generation rates; top of clay contours and actual field measurements. The evaluation shall include recommendations for improvements to the liner and leachate collection and removal systems, if necessary, and shall be certified by a professional engineer.

18. **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).

19. **Gas Monitoring.**

a. Landfills that receive biodegradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. 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% LEL for combustible gases at or beyond the property boundary).

SPECIFIC CONDITIONS:

(Specific Condition #19., continued)

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

<u>Measured During</u>	<u>Report Submitted By</u>
Quarter 1	April 15 th of each year
Quarter 2	July 15 th of each year
Quarter 3	October 15 th of each year
Quarter 4	January 15 th of each year

Amended July 21, 2003.

20. **Gas Monitoring Locations.** All enclosed structures and the following gas monitoring locations shown on Figures F-1, F-2, and F-3, and F-4 prepared by SCS Engineers (attached), shall be sampled at least quarterly for the lower explosive limit of methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
LFG-1	Figure F-1	South property boundary
LFG-2*	↓	Southwest property boundary
LFG-3*	↓	Northwest property boundary
LFG-4*	↓	North property boundary
S/A-SP-1	Figure F-2	Scalehouse/Admin. Bldg
S/A-SP-2	↓	↓
S/A-SP-3	↓	↓
S/A-SP-4	↓	↓
S/A-SP-5	↓	↓
S/A-SP-6	↓	↓
S/A-SP-7	↓	↓
S/A-SP-8	↓	↓
S/A-SP-9	↓	↓
M-SP-110	Figure F-3	Maintenance Building
M-SP-211	↓	↓
M-SP-312	↓	↓
M-SP-413	↓	↓
SP-14	Figure F-4	Leachate Treatment Facility Office
SP-15	↓	↓
SP-16	↓	↓

~~* = to be installed within 120 days of permit issuance~~

Gas monitoring probes LFG-1 through LFG-4 are to be clearly labeled and easily visible at all times.

Amended July 21, 2003.

SPECIFIC CONDITIONS:

21. **Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within seven (7) days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within sixty (60) days** of detection unless otherwise approved by the Department.

Amended July 21, 2003.

22. **Stormwater Management.**

a. 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.

b. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate. All stormwater conveyances shall be inspected at least weekly to verify adequate performance and shall be repaired in accordance with the Operations Plan and the conditions of this permit. ~~For Conveyances not performing adequately due to erosion or related sedimentation shall be repaired within seven (7) days., corrective action shall be implemented within thirty (30) working days.~~ Documentation of all inspections and repairs shall be kept on file at the facility. [ref. SC#2.c., Section K.7.j., page K-11]

Amended July 21, 2003.

23. **Waste Burning.** Open burning of solid waste is prohibited except in accordance with F.A.C. 62-701.520(2). Controlled burning of solid waste is prohibited at this site except for clean vegetative and wood wastes which may be burned in a permitted air curtain incinerator in accordance with Chapter 62-296, F.A.C. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department and the Hillsborough County Environmental Protection Commission, in accordance with Specific Condition #28.b., below.

24. **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.

SPECIFIC CONDITIONS:

25. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed within 180 days of reaching design dimensions in accordance with Rule 62-701.500(7)(g), F.A.C., and all applicable requirements of Department rules.

26. **Financial Assurance.** The permittee shall provide financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted **annually, by September 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Fl. 33637.
Amended 08/08/2006.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

27. **Control of Nuisance Conditions.**

a. The operating authority shall be responsible for the control of odors and fugitive particulates (dust) arising from this operation. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control disease vectors so as to protect the public health and welfare.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

28. **Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of: access to disposal areas; equipment; stormwater systems; cover systems; leachate collection, removal, treatment and storage systems; and gas migration control systems, surface water monitoring system, groundwater monitoring system, and the prevention of erosion and ponded water in disposal areas.

SPECIFIC CONDITIONS:

(Specific Condition #28., continued)

b. In the event of damage to any portion of the landfill site facilities, 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.

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #28.b. above, unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #38, or as otherwise approved by the Department.

d. In the event that the ~~stormwater or~~ leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #28.b. above, unless otherwise approved by the Department.

e. ~~For~~ Intermediately covered disposal areas, or other disposal areas which discharge to the stormwater management system, which exhibit significant erosion, ~~the permittee shall be repaired according to the following schedule: implement corrective action within 3 days of detection [ref. SC#2.c., page K-11]. For the purposes of compliance with this Specific Condition, "significant" means that either:~~

- 1) If the soil cover materials have eroded such that greater than 50% of the soil in that location has been eroded, then repaired within seven (7) days; and
- 2) If waste or liner is exposed, then repaired by the end of the next working day.

f. Turbidity shall be controlled by methods approved by the Department. By October 1, 2003, the permittee shall submit an evaluation of the effectiveness of the turbidity control methods including all of the information required as part of the Department's April 3, 2003 letter.
Amended July 21, 2003.

SPECIFIC CONDITIONS:

29. Water Quality Monitoring Quality Assurance.

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) ~~follow all applicable procedures~~ described in DEP SOP-001/01 (January 2002), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that are certified by the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., where such certification is required by Rule 62-160.300(1), F.A.C., and in accordance with the schedule referenced in Rule 62-160.300(2), F.A.C. ~~in accordance with the schedule referenced in Chapter 62-160, F.A.C.~~ The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.
Amended July 21, 2003.

b. The field testing, sample collection, sample preservation and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department, or as published in Standard Methods or by A.S.T.M., or EPA methods shall be used. ~~Alternate field procedures and laboratory methods may be used if they have been approved according to the requirements of Rule 62-160.220 and 62-160.330, F.A.C.~~
Amended July 21, 2003.

30. Zone of Discharge.

a. The zone of discharge for this site shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.

SPECIFIC CONDITIONS:

31. **Leachate Influent Sampling.** Grab samples of leachate influent (WACS testsite ID No. 919) shall be collected from the PPS-A (Leachate Sampling Location No. 001 as shown on attached Figure M-1 prepared by SCS Engineers, received August 17, 2005) by manually lowering and retrieving leachate using a decontaminated Teflon bailer to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C., as follow:

a. **Annual** leachate influent sampling shall be conducted for analysis of the following parameters:

Field Parameters
Specific conductivity
pH
Dissolved oxygen
Colors & sheens
(by observation)

Laboratory Parameters
Total ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids (TDS)
Those parameters listed in
40 CFR Part 258, Appendix II

b. If the annual leachate influent analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. 31.a., and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

Amended July 21, 2003 and 08/08/2006.

32. **Leachate Treatment Plant Effluent/Sludge Testing.** The locations, parameters, and frequencies specified herein represent the minimum requirements for leachate treatment plant monitoring. Additional samples and parameters may be required based upon subsequent analysis. To provide reasonable assurance of adequate leachate treatment, the permittee shall collect representative samples of treated leachate effluent (WACS testsite ID No. 19864) and of waste sludges, and shall submit the results of analyses as follow:

a. Treated leachate effluent shall be sampled and analyzed for the primary and secondary drinking water standards (Rules 62-550.310 and 62-550.320, F.A.C.) and the priority pollutants (U.S. Environmental Protection Agency, 40 CFR Part 423, Appendix A) **within 30 days** after extended (greater than 3 weeks) downtime maintenance or repairs, and **semi-annually** thereafter.

SPECIFIC CONDITIONS:

(Specific Condition #32., continued)

b. Treated leachate effluent shall be sampled at the frequency listed below, and the analytical results shall be submitted quarterly, as follows: Quarter 1 results shall be submitted by **April 15th**; Quarter 2 by **July 15th**; Quarter 3 by **October 15th**; and, Quarter 4 by **January 15th**, for the following parameters:

<u>Parameter</u>	<u>Unit</u>	<u>Frequency</u>
pH	STD UNITS	Weekly
BOD ₅	mg/L	Monthly
COD	mg/l	Monthly
TSS	mg/l	Monthly
Nitrate-N	mg/l	Monthly
TDS	mg/l	Monthly

c. Waste sludge from the leachate treatment plant shall be sampled and analyzed **annually** using Department SOPs for the following parameters:

Toxicity Characteristic Leaching Potential Test (TCLP) for the organics, metals and pesticides listed in 40 CFR Part 261.24, Table 1

Total nitrogen (percent dry weight)	
Total phosphorous (percent dry weight)	
Total potassium (percent dry weight)	
Cadmium (mg/kg dry weight)	Arsenic (mg/kg dry weight)
Lead (mg/kg dry weight)	Copper (mg/kg dry weight)
Molybdenum (mg/kg dry weight)	Mercury (mg/kg dry weight)
Selenium (mg/kg dry weight)	Nickel (mg/kg dry weight)
pH (standard units)	Zinc (mg/kg dry weight)
	Solids (percent)

Waste sludge that is not classified as hazardous waste (Chapter 62-730.030, F.A.C.) and that passes the paint filter test may be disposed in the Class I landfill. Based upon the results of the analyses, the Department may require further testing and alternative disposal to assure compliance with all Department rules and regulations. The Department shall be notified within thirty (30) days of alternative sludge disposal.

33. **Land Application of Leachate Treatment Plant Effluent.** Spray irrigation of effluent from the leachate treatment facility is allowed over intermediately closed portions of the landfill at a maximum of 0.1 inch per application followed by two hours (waiting period) between each application, for a maximum of 0.3 inch per day. Under no circumstance shall treated leachate effluent be allowed to discharge as runoff to adjacent storm water systems or conveyance ditches. Treated leachate effluent shall not be sprayed during weather conditions or in quantities that may cause runoff, surface seeps, wind-blown spray, or exceedances of limits of leachate head on the liner. The spray irrigation of treated leachate effluent shall not cause ponding on landfilled areas.

SPECIFIC CONDITIONS:

(Specific Condition #33., continued)

Spray irrigation shall take place only when runoff into the onsite retention areas downgradient from the spray areas has terminated for 2 hours based on daily inspections of the influent point to each related retention area, or as follows, whichever is more restrictive:

- a. At least 4 hours after a rainfall of 0.75 inch or less, or
- b. At least 24 hours after a rainfall of 0.75 to 2.5 inches, or
- c. At least 48 hours after a rainfall of 2.5 inches or greater

The following shall be recorded daily:

- Treated effluent sprayed (gal/day)
- Rainfall onsite (inches/day and time/duration of rainfall occurrence)
- Observed runoff influent to retention area (yes/no and inspection time)

The gallons per day sprayed shall be recorded separately for each application area. The time of day shall be reported immediately following the end of rainfall and when no observed runoff was observed in downgradient ponds and ditches prior to spraying.

Spraying shall take place on slopes no steeper than 10%; on areas of fair grass cover (as per HELP model); only between the hours of 8 a.m. and 4 p.m.; no closer than 100 feet from the liner anchor trench; and on areas that have not reached closure designed dimensions (have not received permanent final cover).

34. Surface Water Sampling.

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria established for the individual parameters to demonstrate compliance with Class III (predominantly fresh water) surface water criteria presented in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.

SPECIFIC CONDITIONS:

(Specific Condition #34., continued)

- b. Surface water sample collection points shall be located as shown on Figure M-1, prepared by SCS Engineers, received August 17, 2005 (attached), as follows:

Surface Water No.	WACS Testsite No.	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 Elevation Measurement ONLY at Station No. 1-A

Amended July 21, 2003 and 08/08/2006.

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

- c. **Semi-annual** surface water sampling shall be conducted at Station Nos. 1-D, 3A, 3B2B and 3C2 in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Unionized ammonia	Total organic carbon (TOC)
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Chemical oxygen demand (COD)
Turbidity	Chlorophyll A	Fecal coliform
Temperature	Copper	Biochemical oxygen demand (BOD ₅)
Colors and sheens	Iron	Total dissolved solids (TDS)
(by observation)	Mercury	Total suspended solids (TSS)
	Nitrate	Zinc
	Those parameters listed in 40 CFR Part 258,	
	<u>Appendix I</u>	

Amended July 21, 2003.

SPECIFIC CONDITIONS:

35. **Groundwater Monitoring Well Locations.** The ground water monitoring plan is described in the submittal entitled *Ground Water Monitoring Plan, Phases I-VI and Sections 7 and 8* (prepared by SCS Engineers, as revised September 30, 2005 (received October 3, 2005)). The active monitor well locations for Phases I - VI shown on attached Figure M-1 (received August 17, 2005) are described as follows:

Well No.	WACS Testsite ID Number	Aquifer	Designation	Location
TH-19	821	Floridan	Background	See Figure M-1
TH-22	824	Surficial	Piezometer	↓
TH-22A*	19861	Surficial	Background	↓
TH-28	826	Surficial	Piezometer	↓
TH-28A*	19862	Surficial	Detection	↓
TH-30	1065	Surficial	Piezometer	↓
TH-38A	1154	Surficial	Piezometer	↓
TH-38B*	19863	Surficial	Background Piezometer	↓
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	Detection	↓
TH-67**	20532	Surficial	Detection	↓

* = ~~to be installed within 120 days of permit issuance~~

** = to be installed **within 120 days of permit modification No. 35435-008 issuance** in accordance with the construction details provided in Figure M-2, of the Engineering Report (for Section 7), received May 5, 2003. Documentation of well construction details as indicated in Specific Condition Nos. 38.b. and 38.d. shall be submitted within 90 days of well construction.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.
Amended July 21, 2003 and 08/08/2006.

36. **Groundwater Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-522, F.A.C. Compliance with ground water standards shall be based on analysis of unfiltered samples.

a. Ground water levels shall be measured for all sampling events described in Specific Condition No. 36.b. at all active and inactive wells and piezometers listed in Specific Condition Nos. 35. and 37. to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer.

Amended July 21, 2003.

SPECIFIC CONDITIONS:

(Specific Condition #36., continued)

b. Based on Section 3, Attachment I 1.a, in Construction Permit Application Capacity Expansion, Section 9 of the Southeast County landfill, Hillsborough County, Florida, Response to DEP Request for Additional Information, dated June 2006, prepared by JEA, surficial aquifer background well (TH-22A) and surficial aquifer detection wells (TH-28A, TH-57, TH-58, TH-65, TH-66 and TH-67) shall be sampled **quarterly**. Floridan aquifer background well (TH-19) and Floridan aquifer detection well (TH-40) shall be sampled **semi-annually**, for analysis of the following parameters:

Field Parameters
Static water levels
before purging
Specific conductivity
pH
Dissolved oxygen
Temperature
Turbidity
Colors & sheens
(by observation)

Laboratory Parameters
Total ammonia - N
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids (TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I

Amended July 21, 2003 and 08/08/2006.

c. The initial sampling event at replacement wells TH-65, TH-66, and TH-67 ~~TH-22A, TH-28A, and TH-38B~~ shall be conducted for analysis of the following parameters:

Field Parameters
Static water levels
before purging
Specific conductivity
pH
Dissolved oxygen
Temperature
Turbidity
Colors & sheens
(by observation)

Laboratory Parameters
Total ammonia - N
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids (TDS)
Those parameters listed in
40 CFR Part 258, Appendix II

Amended July 21, 2003.

37. **Inactive Monitor Wells (Phases I through VI).** Existing monitor wells ~~TH-19A, TH-20A, TH-20B, TH-24, TH-26, TH-32, TH-35, TH-35A, TH-36A, TH-41, TH-42, and TH-56, TH-59, TH-60, TH-61 (a/k/a P-9D), TH-62, and TH-63~~ shall be considered to be inactive and reserved for future use. Ground water levels shall be measured in the inactive monitor wells during all sampling events described in Specific Condition No. 36.b. Existing piezometers ~~P-2S, P-2D, P-3S, P-3D, P-4S, P-4D, P-5D, P-6D, P-7D, P-8D, and P-11D~~ ~~P-9D and P-10D~~ shall be included in monthly water level measurements conducted by Hillsborough County.
Amended July 21, 2003.

38. **Groundwater Monitoring Well Construction.** The following information shall be submitted ~~within 90 days of installation of~~ for all new or replacement monitor wells (and included piezometers), or as stated below:

a. **Prior to** construction of all new or replacement monitor wells, the permittee shall request and receive Department approval of a minor permit modification.

SPECIFIC CONDITIONS:

(Specific Condition #38., continued)

b. **Within one week of monitor well completion and development**, each new monitor well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.

c. **Within 90 days of monitor well installation**, construction details (record drawings) for all new or replacement monitor well shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (attached).

d. **Within 90 days of monitor well installation**, a surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, and the locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

Amended July 21, 2003.

39. **Well Abandonment.** All wells and piezometers not included as part of the approved Water Quality Monitoring Plan and not listed in Specific Condition Nos. 35. and 37., and not shown on surveyed drawing(s) described in Specific Condition No. 38.d., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption from the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

Amended July 21, 2003.

40. **Verification/Evaluation Monitoring.** If at any time monitoring parameters are ~~detected~~ reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria ~~at the edge of the zone of discharge~~, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be 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. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

Amended July 21, 2003.

SPECIFIC CONDITIONS:

41. **Water Quality, Leachate and Sludge Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (attached). The permittee shall submit the results of the leachate effluent quality analysis (required by Specific Condition #32.b.) and ground water for the surficial aquifer wells (required by Specific Condition #36.b.) analysis by **January 15th, April 15th, July 15th, and October 15th of each year.** The permittee shall submit the results of the leachate influent (required by Specific Condition #31.) and sludge (required by Specific Condition #32.c.) analysis by **January 15th of each year.** The permittee shall submit the results of surface water (required by Specific Condition #34.c.) and ground water for the Floridan aquifer wells (required by Specific Condition #36.b.) and leachate effluent (required by Specific Condition #32.a.), analysis by **January 15th and July 15th of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 N. Telecom Parkway, Temple Terrace, Florida 33637-0926; and to: Hillsborough County Environmental Protection Commission, Waste Division, 3629 Queen Palm Drive, Tampa, FL 33619-1309.
Amended July 21, 2003 and 08/08/2006.

42. **Groundwater Monitoring Plan Evaluation.**

a. ~~An evaluation of ground water flow between the eastern portion of the landfill and Smith Lake shall be submitted by **June 1st, 2003.** This evaluation shall include monthly water elevation data collected for one year following permit issuance at the following locations: P-7D, P-8D, P-9D, P-10D, P-11D, TH-20A, TH-20B, TH-38A, TH-38B, and the staff gauge in Smith Lake. The persistence of a ground water divide in this portion of the landfill shall be the basis for determining the appropriateness of the current designation of well TH-38B as a background well. In the event that well TH-38B is determined to be more appropriate as a detection well location, an alternate background monitor well shall be required, and the revision to the monitoring plan shall require a minor permit modification. The evaluation shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619; and to: Hillsborough County Environmental Protection Commission, Waste Division, 1900 9th Avenue, Tampa, Florida 33605.~~
~~Deleted July 21, 2003.~~

SPECIFIC CONDITIONS:

(Specific Condition #42., continued)

b. **By June 1, 2004 and no later than December 1, 2006**, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
June 1, 2004	First Half 2001	Second Half 2003

December 1, 2006	First Half 2004	First Half 2006
-------------------------	-----------------	-----------------

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 N. Telecom Parkway, Temple Terrace, Florida 33637-0926; and to: Environmental Protection Commission of Hillsborough County, Waste Division, 3629 Queen Palm Drive, Tampa, FL 33619-1309.

Amended July 21, 2003 and 08/08/2006.

43. **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.

44. **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.

45. **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.

46. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, 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.

PERMITTEE: Hillsborough Co. Solid Waste Dept.
Mr. Barry M. Boldissar, Director

PERMIT NO: 35435-006-SO
Southeast County Landfill,
Phases I - VI

SPECIFIC CONDITIONS:

47. **Certification of Construction Completeness.** Within **thirty (30) days** after the specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:

a. The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2) (form attached), signed and sealed by the responsible professional engineer for the construction 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.

b. The owner or operator shall submit Record Drawings showing all changes (i.e. additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Drawings shall include as-built plans details and elevations.

c. The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations and certification by the design engineer to the Department.

d. The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.

New July 21, 2003.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


J.M. Farley
Interim District Director
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
4.	180 days prior to permit renewal (December 1, 2006)	Submit permit renewal application
5.b., 28.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: sinkholes, hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
10.e.	Annually, by April 15th each year	Submit revised Operation Plan or statement of no changes
11.b.	Annually, by September November 1st each year	Submit topographic survey & capacity calculations, and certification
16.f.	Annually, by April 15 th each year April 15, 2003	Submit leachate management field investigation report First evaluation due
16.g.	Within 120 days of permit issuance	Install Temporary Pump Station 6 (TPS 6)
16.h.	30 days prior to expiration	Submit copies of leachate disposal agreements
16.i(1) 42.b.	By June 1, 2004 and December 1, 2006	Submit results and videotape of LCRS inspection/cleaning Submit water quality monitoring evaluation report
16.j(2) 19.c. 32.b., 41. 36.b.	Quarterly, by January 15 th , April 15 th , July 15 th and October 15 th	Submit leachate generation reports Submit gas monitoring results Submit leachate effluent results Submit ground water quality results for surficial aquifer wells
17.	180 days prior to permit renewal (December 1, 2006)	Submit Liner and Leachate Management System Performance Evaluation
20	Within 120 days of permit issuance	Install gas monitoring probes LFG-2, LFG-3 and LFG-4

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
24.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application
26.a.	Annually, by September 1 st each year	Submit revised cost estimates
26.b.	Annually	Submit proof of funding
28.c.	Within 60 days of notification	Complete repairs to groundwater monitoring system
28.d.	Within 30 days of notification	Implement corrective action for stormwater or leachate management system damage
31.a.	Annually	Leachate influent sampling/analysis
32.c.	Annually	LTRF sludge sampling/analysis
32.a.	Semi-annually	Sample/analyze treated effluent for primary and secondary drinking water standard parameters and priority pollutants
34.c.	Semi-annually	Sample/analyze surface water
35	Within 120 days of permit modification issuance	Install groundwater monitoring wells TH-22A, TH-28A, TH-38B TH-65, TH-67
36.b.	Quarterly (surficial aquifer wells) Semi-annually (Floridan aquifer wells)	Sample groundwater monitoring wells
38.b.	Within 1 week of well completion and development	Conduct initial sampling
38.c. 38.d.	Within 90 days of installation	Submit well construction information, and survey drawing
39.	Within 30 days of well abandonment	Submit abandonment report
41.	Annually, by January 15 th each year	Submit leachate influent and sludge analysis
41.	Semi-annually, by January 15 th and July 15 th each year	Submit groundwater (Floridan aquifer wells) and surface water monitoring reports, and leachate effluent quality reports
42.a.	By June 1, 2003	Submit evaluation of groundwater flow between the eastern portion of the landfill and Smith lake

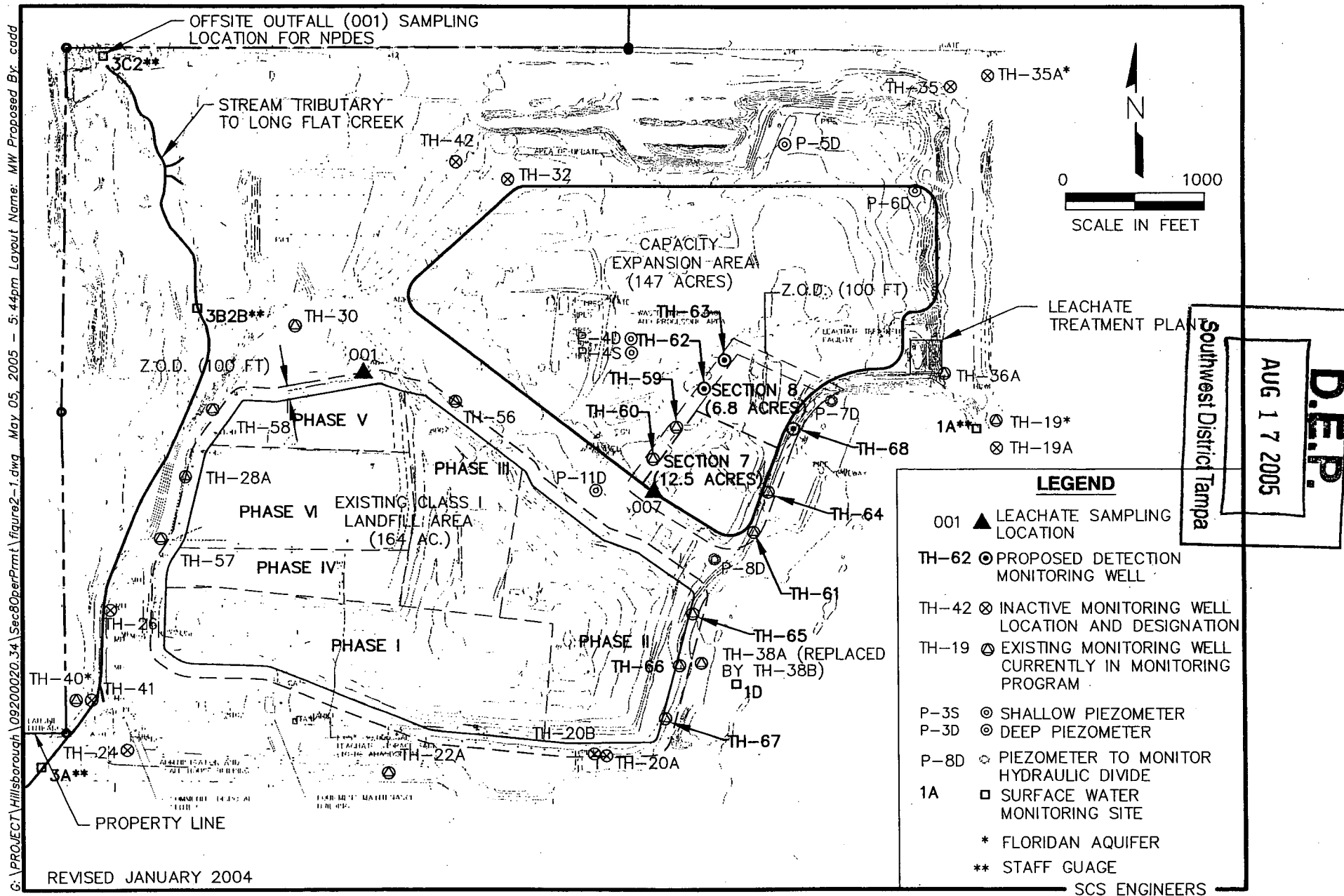


Figure M-1. Location of Monitoring Wells, Piezometers, and Surface Water Sampling Points Southeast County Facility, Hillsborough County, Florida

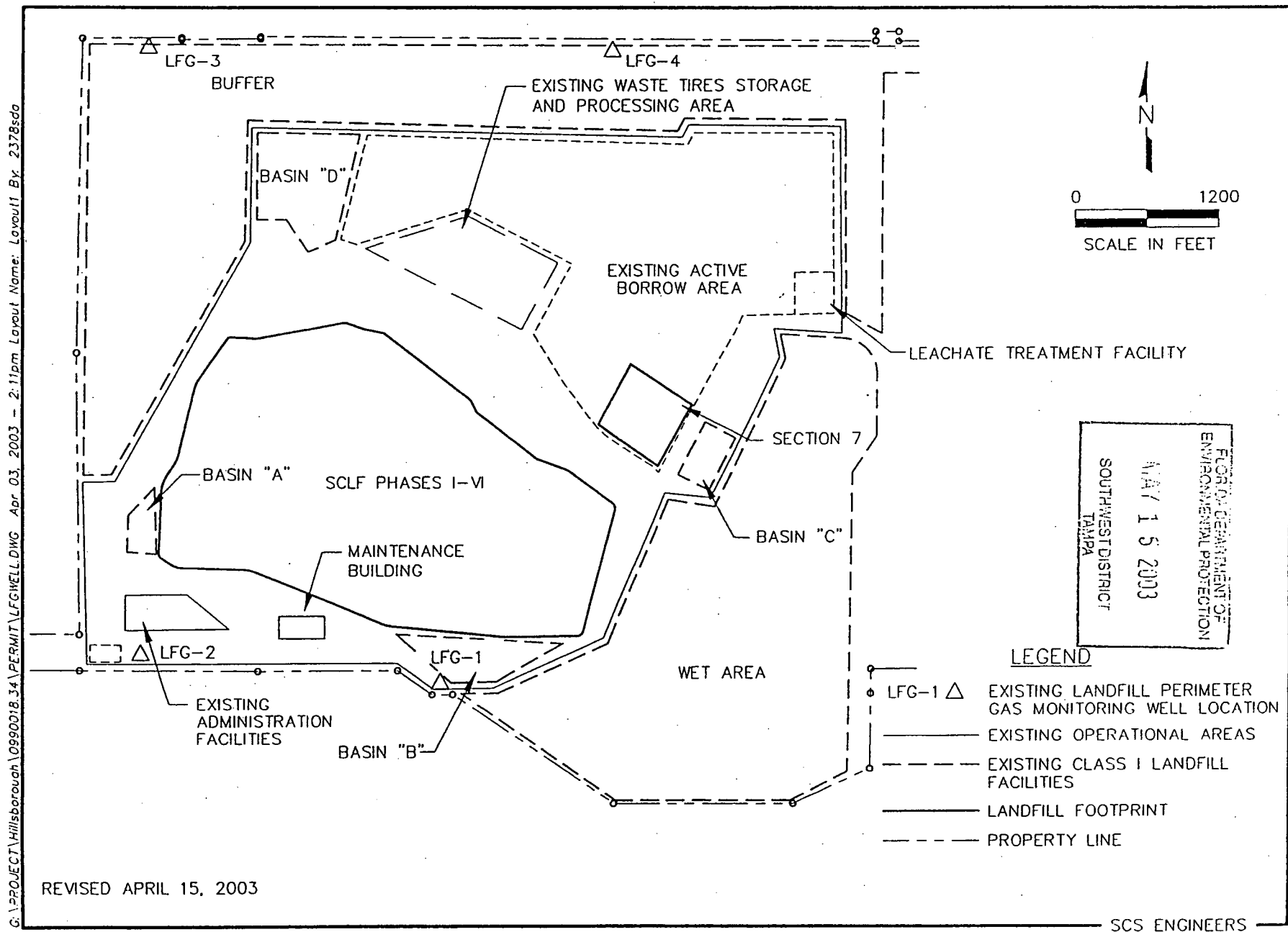


Figure F-1. Landfill Gas Perimeter Monitoring Wells

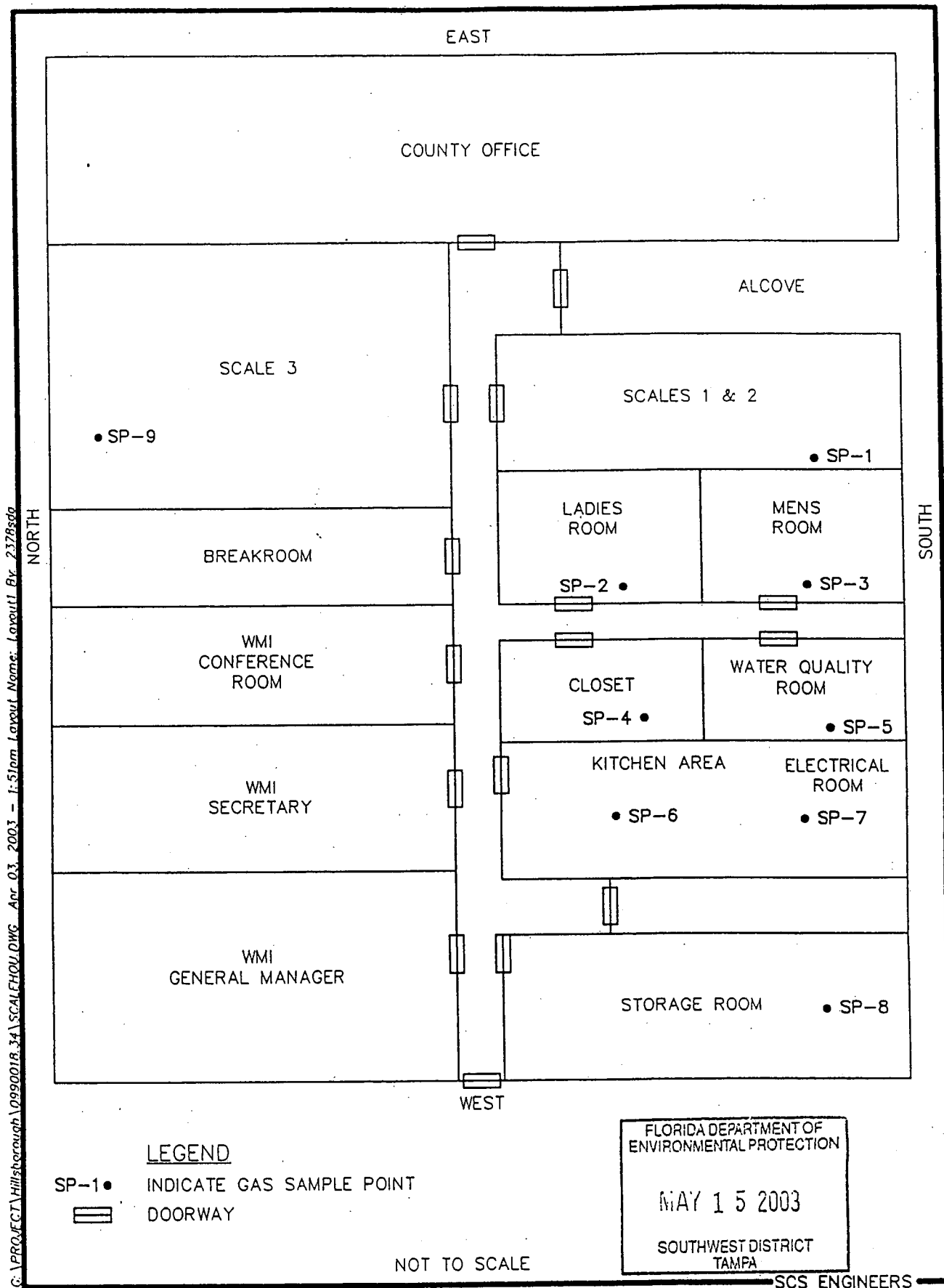
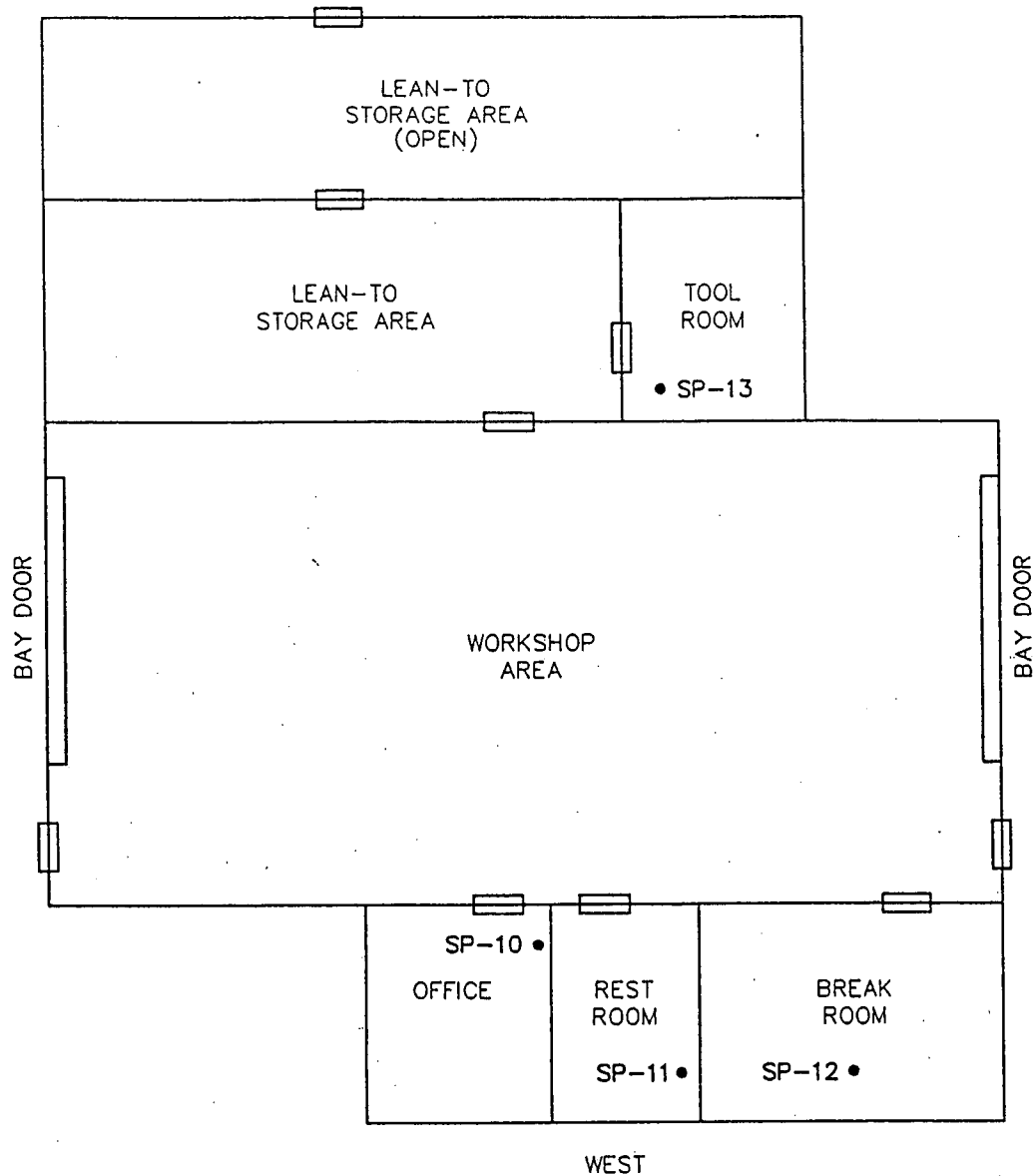


Figure F-2. Scalehouse/Administration Building LFG Monitoring Points.

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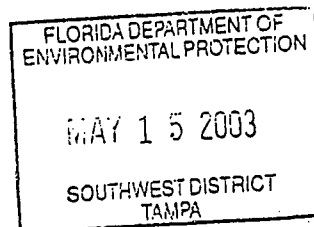


LEGEND

- SP-10 • INDICATE GAS SAMPLE POINT
= DOORWAY

Revised December 10, 2002

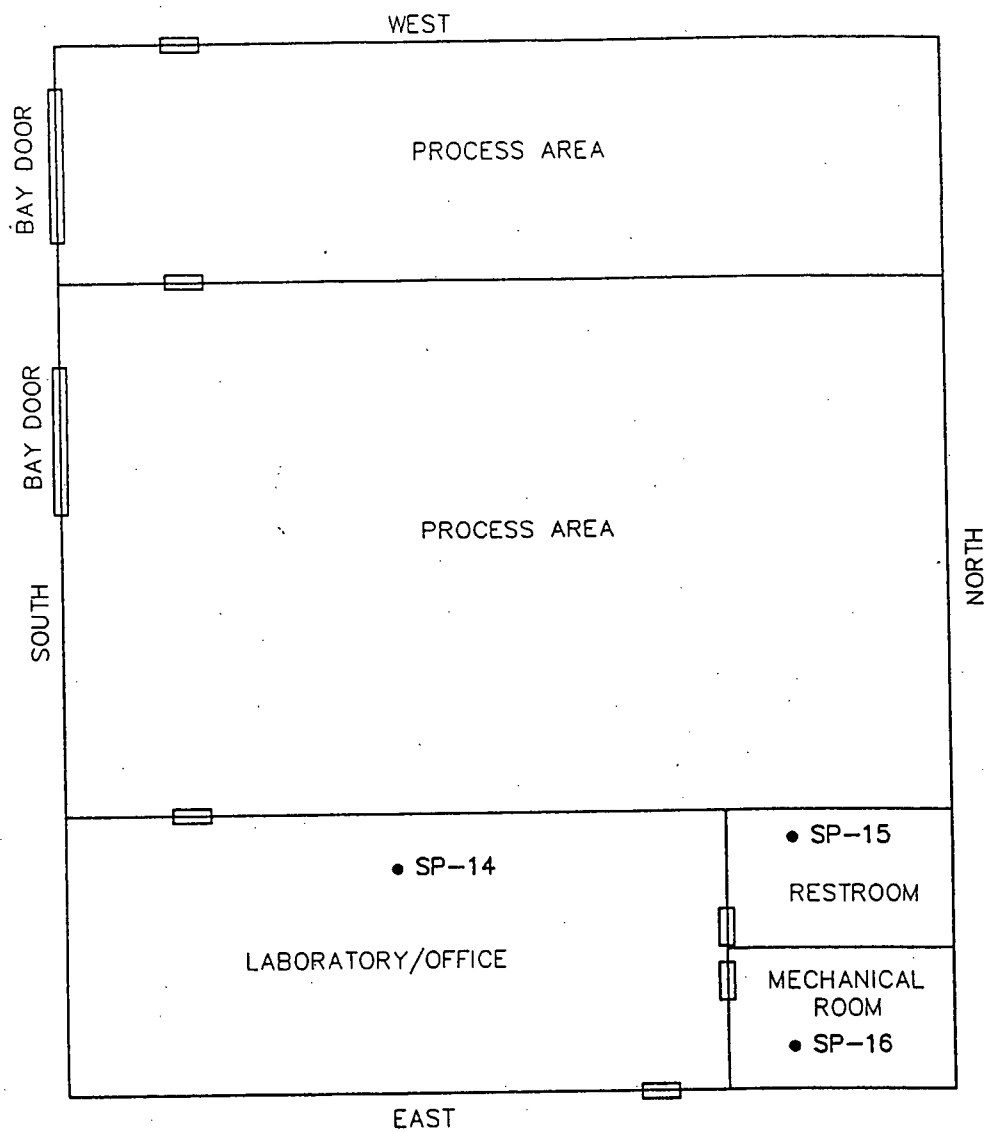
NOT TO SCALE



SCS ENGINEERS

Figure F-3. Maintenance Building LFG Monitoring Points.

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LEGEND

SP-14 • INDICATE GAS SAMPLE POINT

▬ DOORWAY

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

MAY 15 2003

SOUTHWEST DISTRICT
TAMPA

Revised December 10, 2002.

NOT TO SCALE

SCS ENGINEERS

Figure F-4. LTRF Office LFG Monitoring Points.

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522,900(3)
Form Title <u>MONITOR WELL COMPLETION REPORT</u>
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

MONITOR WELL COMPLETION REPORT

DATE: _____

INSTALLATION NAME: _____

DEP PERMIT NUMBER: _____ GMS NUMBER: _____

WELL NUMBER: _____ WELL NAME: _____

DESIGNATION: Background _____ Immediate _____ Compliance _____

LATITUDE/LONGITUDE: _____

AQUIFER MONITORED: _____

INSTALLATION METHOD: _____

INSTALLED BY: _____

TOTAL DEPTH: _____ (bls) DEPTH OF SCREEN: _____ (bls)

SCREEN LENGTH: _____ SCREEN SLOT SIZE: _____ SCREEN TYPE: _____

CASING DIAMETER: _____ CASING TYPE: _____

LENGTH OF CASING: _____ FILTER PACK MATERIAL: _____

TOP OF CASING ELEVATION (MSL): _____

GROUND SURFACE ELEVATION (MSL): _____

COMPLETION DATE: _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): _____

DATE AND TIME MEASURED: _____

REMARKS: (soils information, stratigraphy, etc.): _____

REPORT PREPARED BY: _____
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name _____
Address _____
City _____ Zip _____
Telephone Number () _____
- (2) The GMS Identification Number _____
- (3) DEP Permit Number _____
- (4) Authorized Representative Name _____
Address _____
City _____ Zip _____
Telephone Number () _____
- (5) Type of Discharge _____
- (6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # _____

Analytical Lab Comp QAP # /HRS Certification # _____

 *Comp QAP # /HRS Certification # _____

Lab Name _____

Address _____

Phone Number () _____

PART III ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: _____

Test Site ID #: _____ Report Period: _____
(year/quarter)

Well Name: _____ Well Purged (Y/N): _____

Classification of Ground Water: _____

Well Type: () Background

Ground Water Elevation (NGVD): _____

() Intermediate

() Compliance

() Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

* Attach Laboratory Reports

Permitting Application - Events							
Events Scheduled							
Site #	0035435	Site Name	HILLSBOROUGH CO. SOUTHEAST LF (LF1)				
Permit #	0035435 012-S0	Type/Subtype	S0	/	MM	Received	04/26/2006
Project #	012	Project Name	PHASE I VI OP MOD				
<div> > ISSUE PERMIT: Issued </div>							
Event	Begin Date	Period	Due Date	Rmn	Status	End Date	
Receive Request	04/26/2006	1	04/27/2006		Done	04/26/2006	
Fee Verification	04/26/2006	2	04/28/2006		Sufficient Fee	04/26/2006	
Completeness Review	04/26/2006	30	05/26/2006		Complete	04/26/2006	
Determine Agency Action	04/26/2006	107	08/11/2006		Issue	08/08/2006	
Issue Final Permit	08/08/2006	14	08/22/2006		Issued	08/08/2006	
ISSUE PERMIT	08/08/2006	1	08/09/2006		Issued	08/08/2006	
STOP CLOCK	08/08/2006	1	08/09/2006		Done	08/08/2006	

Permitting Application - Permit Detail and Log Permit									
SITE Permit									
Site Name: HILLSBOROUGH CO: SOUTHEAST LF (LF1)							Site #: 0035435		
County: HILLSBOROUGH		Comments: N		RPAs: N		# Cases: 0			
Project									
Permit #: 0035435 - 012 - SO		Project #: 012		Received: 04/26/2006		CRA #: 250979			
Permit Office: SWD (DISTRICT)		Agency Action: Issued							
Project Name: PHASE I-VI OP MOD		Desc: mod to 35435-006-SO, Phase I-VI op permit							
Type/Sub/Des: SO / MM		MINOR MODIFICATION		COE #:					
Logged: 04/27/2006		Issued: 08/08/2006		Expires: 06/20/2007		OGC:			
Fee: 250.00		Fee Recd: 250.00		Dele:		Override: NONE			
Related Party									
Role: APPLICANT		Begin: 04/27/2006		End:					
Name: BOUDISSAR, 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:					
Processors									
Processor: PELZ_S		Active: 04/27/2006		Inactive:		Events			

Florida Department of Environmental Protection - Enterprise Applications

Query Coll Epts Rmd Exit CRA Window

ORACLE

Cash Receiving Application - Collection Point Log Remittance

Collection Point Log Remittance

AREA **SWD** Total **CRAF006A**
\$250.00

Remittance **670268** Type **CP** Received Date **04/26/2006** Status **RECEIVED**

SYSRCPT **541063** PNR Check # **63544** Amount **250.00**

SSN/FEN Name **JONES EDMUNDS**

First Middle Title Suf

Address1 **730 NE WALDO ROAD** Short Comments

Address2 **SO 35435-012**

City **GAINESVILLE** ST **FL** Zip **32641** Country

Distr

PAYMENT(S)

Payment#	Area	Object	Code/Description	Payment Amount	Reference#	Applic	Fund	Status
742512	SWD	002245	SOLID WASTE-OPE	\$250.00		PA	PFTF	COMPLETE

COMMIT FREQUENTLY **\$250.00** Payment total

Press <TAB> to insert Collection Point or enter F&A

start

Florida Department of Environmental Protection - Enterprise Applications

Permits Events Payment ELECTRA Data Entry Site Facility MC Party Affiliation Lct Help Exit Win

ORACLE

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 # **012** Received **04/26/2006** CRA # **250979**

Permit Office **SWD (DISTRICT)** Agency Action **Pending**

Project Name **PHASE I IV OP MOD** Desc

Type/Sub/Des **SO** **MM** **MINOR MODIFICATION** COE #

Logged **04/27/2006** Issued Expires OGC

Fee **250.00** Fee Recd **250.00** Dele Override **NONE**

Related Party

Role **APPLICANT** Begin **04/27/2006** 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

Processors

Processor **PELZ S** Active **04/27/2006** Inactive Events

Enter * if this is the PRIMARY address

start

-6 of 90

Project Name SEC LF-OPS. MOD

ISSUE PERMIT: Issued

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	04/15/2003	1	04/16/2003		Done	04/15/2003
Fee Verification	04/15/2003	2	04/17/2003		Sufficient Fee	04/16/2003
Completeness Review	04/15/2003	30	05/15/2003		Complete	05/15/2003
Determine Agency Action	05/15/2003	90	08/13/2003		Issue	07/21/2003
Issue Final Permit	07/21/2003	14	08/04/2003		Issued	07/21/2003
STOP CLOCK	07/21/2003	1	07/22/2003		Done	07/21/2003
ISSUE PERMIT	07/21/2003	1	07/22/2003		Issued	07/21/2003

Permitting Application - Permit Detail and L										SITE Permit																																																																																																			
Site Name										HILLSBOROUGH CO. SOUTHEAST LF (LF1)										Site #										0035435																																																																															
County										HILLSBOROUGH										Comments										Y										RPAS										II										# Cases										0																																							
Project										Permit #										0035435										- 008										- SO										Project #										008										Received										04/15/2003										CRA #										146374									
Permit Office										SWD (DISTRICT)										Agency Action										Issued																																																																															
Project Name										SEC LF-OPS. MOD										Desc																																																																																									
Type/Sub/Des										SO / MM										MINOR MODIFICATION										COE #																																																																															
Logged										04/16/2003										Issued										07/21/2003										Expires										06/20/2007										OGC																																																	
Fee										250.00										Fee Recd										250.00										Dele																				Override										NONE																																							
Related Party										Role										APPLICANT										Begin										04/16/2003										End																																																											
Name										SMITH, DARYL H.										Company										HILLSBOROUGH COUNTY SOLID WASTE MGT DEPT																																																																															
Address										P.O. BOX 1110																																																																																																			
City										TAMPA										State										FL										Zip										33601										Country																																																	
Phone										813-272-5680										Fax										813-276-2950																																																																															
Processors										Processor										FORD_K										Y										Active										04/16/2003										Inactive																				Events																													

Oracle Developer Forms Runtime - Web

Query Coll. Rpts. Find Exit CRA Window

Cash Receiving Application - Collection Point Log Remittance

Collection Point Log Remittance

AREA **SWD** Tot **CRAF006A \$250.00**

Remittance **512368** Type * **CP** Recvd Date * **04/15/2003** Status **RECEIVED**

SYSSRCPT **415635** PNR Check # * **02153639** Amount * **250.00**

SSN/FEI# Name * **HILLSBOROUGH CO BD OF CO COMM**

First Middle Title Suf

Address1 **PO BOX 1110** Short Comments

Address2 **K-SW 35435-008**

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

PAYMENT(S)

Payment#	Distr CL	Object Code/Description	Payment Amount	Reference#	Applic Fund *	status
553253	SWD	002245 SOLID WASTE-OPE	\$250.00	35435-008	PA PETF	COMPLETE

COMMIT FREQUENTLY **\$250.00** Payment total

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

start Document1 - ... Inbox - Micros... S Internet E... 3:16 PM

Oracle Developer Forms Runtime - Web

Permits Events Payment Site Facility Party Lct Help Exit Window

Permitting Application - Permit Detail and Log Permit

SITE Permit

Site Name **HILLSBOROUGH CO. SOUTHEAST LF (LF1)** Site # **0035135**

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

Project

Permit # Project # **008** Received **04/15/2003** CRA # **146374**

Permit Office **SWD (DISTRICT)** Agency Action **Pending**

Project Name **SEC LF-OPS. MOD** Desc

Type/Sub/Des **SO / MM** **MINOR MODIFICATION** COE #

Logged **04/16/2003** Issued Expires OGC

Fee **250.00** Fee Recd **250.00** Dela Override **NONE**

Related Party

Role **APPLICANT** Begin **04/16/2003** End

Name **SMITH, DARYL H.** Company **HILLSBOROUGH COUNTY SOLID WASTE MGT. DEPT**

Address **P.O. BOX 1110**

City **TAMPA** State **FL** Zip **33601** Country

Phone **813-272-5080** Fax **813-276-2960**

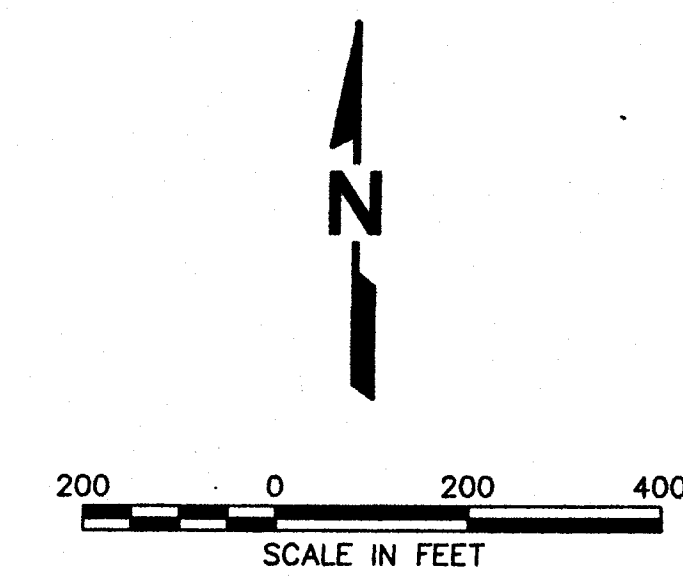
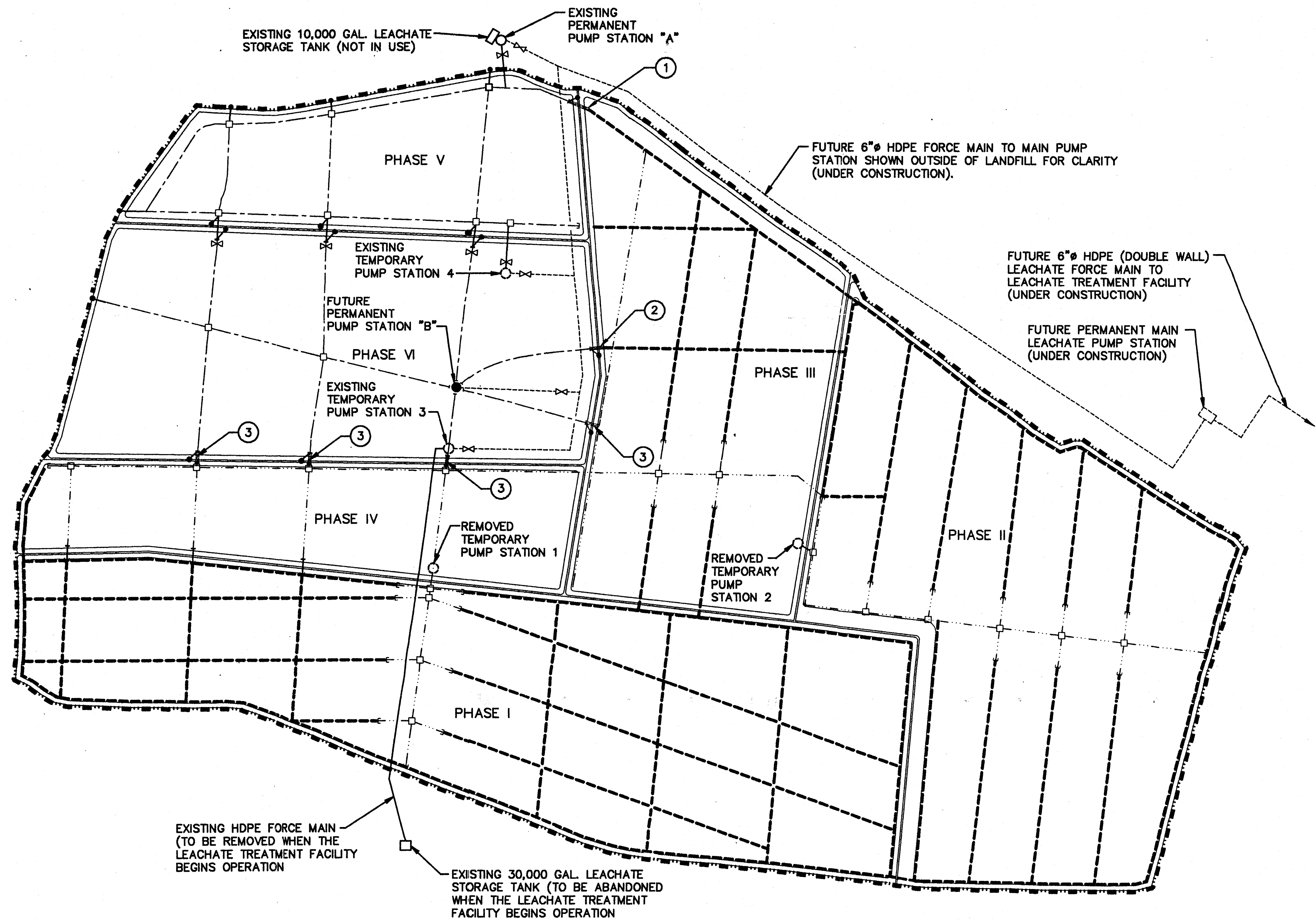
Processors

Processor **FORD_K** Active **04/16/2003** Inactive Events

Enter 'Y' if this is the PRIMARY processor.

start 2 Micros... Inbox - Micros... S Internet E... 3:17 PM

1565478

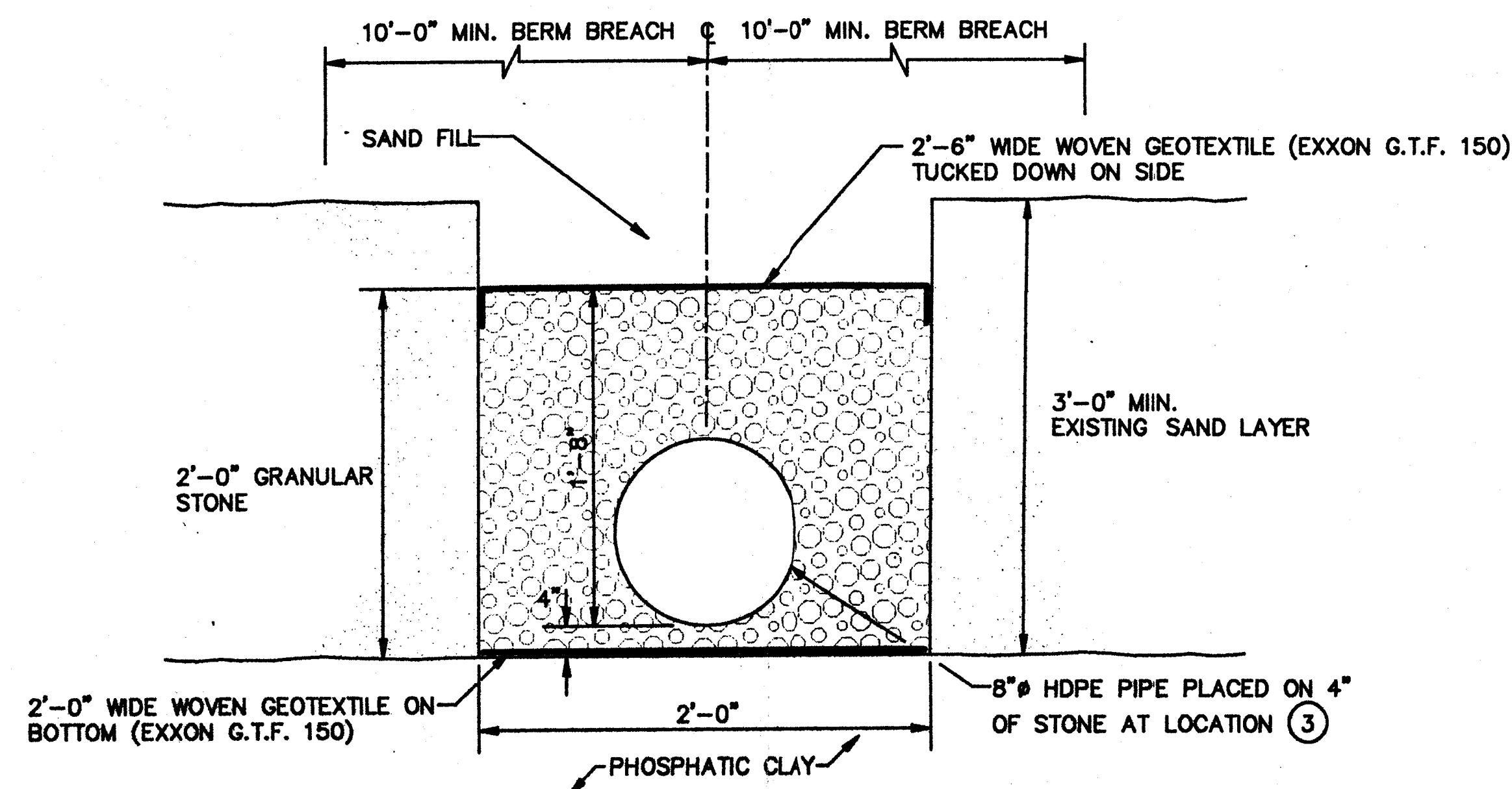


LEGEND

- APPROXIMATE LANDFILL LIMITS
- FUTURE FORCE MAIN
- 8" PERFORATED PVC PIPE
- 8" PERFORATED HDPE PIPE
- 8" SOLID HDPE PIPE
- LEACHATE COLLECTION TRENCH
- FLANGE CONNECTION
- CROSS CONNECTION
- FILTER FABRIC WRAP PHASES I-IV AND PERFORATED FILTERED END CAPS PHASES V-VI
- 8" SOLID HDPE PIPE CLEANOUT
- ⋈ GATE VALVE
- PERMANENT PUMP STATION
- TEMPORARY PUMP STATION

NOTES:

- ① FUTURE TRENCH CONNECTION TO BE CONSTRUCTED PRIOR TO PHASE V WASTE PLACEMENT (REMOVE CLEANOUT)
- ② FUTURE TRENCH CONNECTION TO BE CONSTRUCTED PRIOR TO PHASE VI WASTE PLACEMENT (REMOVE CLEANOUT)
- ③ FUTURE PIPE CONNECTION TO BE CONSTRUCTED PRIOR TO PHASE VI WASTE PLACEMENT (REMOVE CLEANOUT)
- ④ FOR CONSTRUCTION SEQUENCE REFER TO THE 1994 PERMIT APPLICATION REPORT SECTION 5.3.2.



TYPICAL INTERNAL BERM TRENCH DETAIL
NOT TO SCALE

DRAWING COMPILED FROM THE FOLLOWING AS-BUILT DRAWINGS:
 PHASE I - CAMP DRESSER & MCKEE, INC. MAY, 1984
 PHASE II - FLA LAND CONSULTANTS 9-5-86
 PHASES III & IV - GEOSERVICES INC. 3-14-89
 PHASES V & VI - GEOSYNTEC OF BOYNTON BEACH, FL
 AND HOLLINGSWORTH & ASSOCIATES, INC. 7-14-92

CLIENT HILLSBOROUGH COUNTY DEPARTMENT OF SOLID WASTE TAMPA, FLORIDA	DRAWING TITLE LEACHATE COLLECTION SYSTEM		PROJECT TITLE SOUTHEAST COUNTY LANDFILL
	OPERATING SEQUENCE PERMIT RENEWAL-APPENDIX G		
	CADD FILE: LEACPIP	DATE: AUGUST 22, 1994	SCALE: 1"=200'
	DRAWING NO. 1	OF 1	FILE ONLY

D.E.P.
JUL 0 9 2001