

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: x DEBORAH A. GETZOFF, District Director

FROM/THROUGH:

William Kutash *Wm*, ENVIRONMENTAL ADMINISTRATOR

Susan Pelz, P.E., SOLID WASTE MANAGER *M 7/20/08*

Steve Morgan, SOLID WASTE PERMITTING *M 5/9/08*

DATE: May 9, 2008

FILE NAME: Hardee County Class I Landfill

PROGRAM : Solid Waste

PERMIT #: 38414-011-SO/01

COUNTY : Hardee

TYPE OF PERMIT ACTION: ISSUE FINAL PERMIT

PERMIT SUMMARY: This permit application is for renewal of the operation permit for the existing Hardee County Class I landfill, including operation of the Phase II, Section I lateral expansion.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: The applicant has provided sufficient information to demonstrate compliance with Department Rules.

| TIH= 342; TTP=147 (to 5/09/08) | | TTP |
|--------------------------------|----------|-----|
| Application rec'd | 06/05/07 | |
| RAI #1 sent | 07/03/07 | 28 |
| RAI #1 response rec'd | 10/01/07 | |
| RAI #2 sent | 10/31/07 | 30 |
| RAI #2 response rec'd | 01/30/08 | |
| RAI #3 sent | 02/28/08 | 29 |
| RAI #3 response rec'd | 03/10/08 | |
| Application complete | 03/10/08 | |
| Final permit for routing | 05/09/08 | 60 |

DAY 90/30 FOR THIS ACTION IS: ASAP Day 90=06/08/08

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**Hardee County Solid Waste
Department**
c/o Ms. Teresa Carver, Director
685 Airport Road
Wauchula, FL 33873

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City, State, ZIP+4

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State of Florida
Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

16 2008

Southwest District

Steve Morgan Solid Waste

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hardee County Solid Waste
Department
c/o Ms. Teresa Carver, Director
685 Airport Road
Wauchula, FL 33873

2. Article Number

(Transfer from service label)

7008 0150 0003 4893 6226

COMPLETE THIS SECTION ON DELIVERY

A. Signature


X _____☐ Agent☒ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☒ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

CERTIFIED MAIL NO. 7008 0150 0003 4893 6226
RETURN RECEIPT REQUESTED

NOTICE OF PERMIT

Hardee County Solid Waste Department
685 Airport Road
Wauchula, Florida 33873
c/o Ms. Teresa Carver, Director

May 12, 2008

RE: Hardee County Class I Landfill
Permit Number 38414-011-SO/01, Hardee County

Dear Ms. Carver:

Enclosed is permit number **38414-011-SO/01**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

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

The petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of Department's action, or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;

- (f) A statement of which rules or statutes petitioner contends warrant reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

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

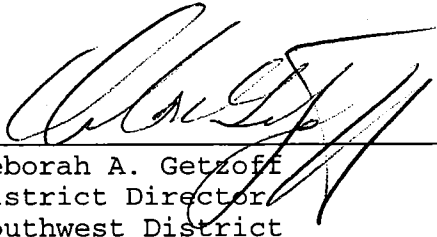
When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., MS#35, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

PERMITTEE: Hardee County Solid Waste Dept.
Ms. Teresa Carver, Director

PERMIT NO: 38414-011-SO/01
Hardee County Class I Landfill

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

DAG/sgm
Enclosures

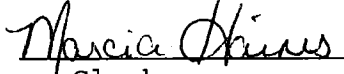
Copies furnished to:

Hardee County Elected Officials Notification
Shane Fischer, P.E., SCS Engineers, 3012 U.S. Highway 301 North, Suite 700,
Tampa, Florida 33619-2242
Fred Wick, FDEP, Tallahassee
John Morris, P.G., FDEP Tampa
Ronni Moore, OGC Tallahassee (via e-mail)
Susan Pelz, P.E., FDEP Tampa

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 05-12-2008 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.


Clerk

05-12-2008
Date



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE

Hardee County Solid Waste
Department
685 Airport Road
Wauchula, Florida 33873
C/o Ms. Teresa Carver, Director

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/25/40612
Permit No: **38414-011-SO/01**
Date of Issue: **05/12/2008**
Expiration Date: **05/12/2013**
County: Hardee
Lat/Long: 27°34'17"N
81°46'58"W
Sec/Town/Rge: 35/33S/25E
Project: Hardee County Class I Landfill
Operation

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, and 62-701. The above named permittee is hereby authorized to perform the activities 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, monitor, and maintain a Class I landfill (approximately 17.5 acres), referred to as the Hardee County Landfill, and related ancillary facilities, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at 685 Airport Road, east of the City of Wauchula, Hardee County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill (Phase I & Phase II, Section 1 only)
2. Leachate storage tanks system
3. Yard Trash Processing Area
4. Scrap Metals and White Goods storage area
5. Household Hazardous Waste Collection Center (HHWCC)
6. and related appurtenances

Replaces Permit No.: 38414-007-SO

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

General Information

| | |
|---|---|
| Phase I: | |
| Disposal acres | 12.5 acres (Phase I) |
| Lowest elevation | +72 feet NGVD (approximate top of clay) |
| Bottom liner design | In-situ clay bottom w/geosynthetic sidewalls |
| LCS design | perimeter rock/LCS piping |
| LDS design | none |
| Final elevation | +152 feet NGVD, including final cover |
| Slopes | 3H:1V (N, S, E) and 3.5H:1V (W), 5% top slope |
| Phase II: | |
| Disposal acres | Approx. 5 acres (Phase II, Section I only) [ref. Permit 38414-008-SC/01, SC#A.2.a., Section S] |
| Lowest Bottom elevation of cell - NE corner of Phase II, Section I (Point 9C) | +79.2 ft. NGVD (pipe, pre-settlement), +78.66 ft. NGVD (pipe, post settlement) [ref. Permit 38414-008-SC/01, SC#A.2.d., Sheet 12 of 27; SC#A.2.a., Section J, <i>Settlement Calculations</i>] Bottom of GCL = +78.5 ft. NGVD [ref. Permit 38414-008-SC/01, SC#A.2.a., Section J, page 15] |
| Top elevation at final buildout (entire landfill-including cover) | Max. +159.5 feet NGVD [ref. Permit 38414-008-SC/01, SC#A.2.a., Part H.1; SC#A.2.d., Sheet 14 of 27] |
| Side slopes max. | 3H:1V [ref. Permit 38414-008-SC/01, SC#A.2.d., Sheets 14, 16 and 17 of 27] |
| Liner system (bottom to top) | Groundwater interceptor layer; 12-inch compacted subgrade, geosynthetic clay liner (GCL) (5×10^{-9} cm/sec), 60 mil textured HDPE geomembrane, triplanar geocomposite (geotextile/geonet/geotextile), 60 mil textured HDPE geomembrane, biplanar geocomposite (geotextile/geonet/geotextile), 2-foot drainage sand [ref. Permit 38414-008-SC/01, SC#A.2.d., Detail 1/Sheet 24 of 27] |
| LCS drainage system | Drainage/protective sand $\geq 1 \times 10^{-3}$ cm/sec [ref. Permit 38414-008-SC/01, SC#A.2.d., Detail 1/Sheet 24 of 27; Spec. 02220-2.06] Two trenches draining from west to east. 8-inch SDR 11 HDPE perforated LCS piping. [ref. Permit 38414-008-SC/01, SC#A.2.d., Section A, Sheet 23 of 27, Detail 5, Sheet 24 of 27] LCS pipes drain to sumps on east side, then pumped through side slope risers through force main to lift station; from lift station through existing HDPE force main to tanks [ref. Permit 38414-008-SC/01, SC#A.2.d., Sheets 9 and 19 of 27] |
| LDS drainage system | Triplanar geocomposite to sump, then same as LCS |
| Action leakage rate (ALR) | 260 gal/ac/day [ref. Permit 38414-008-SC/01, SC#A.2.a., Part H.2.c.4, page H-14] |
| Design life | 5 years [ref. Permit 38414-008-SC/01, Appl. Form #A.14.], |
| Leachate storage tanks | Two epoxy painted steel, open top tanks; approximately 79,000 gallons each; secondary containment: tank in a tank nominal diameter= 30 feet, 16 ft tall |

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copy any records that must be kept under conditions of the permit;

(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

GENERAL CONDITIONS:

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

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

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

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

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

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

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

13. This permit also constitutes:

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

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.

GENERAL CONDITIONS:

(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

(c) Records of monitoring information shall include:

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

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

SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements

1. **Facility Designation.** This landfill shall be classified as a **Class I landfill and related facilities**, and shall be operated, monitored and maintained 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 Phase I and Phase II, Section I of the Class I landfill, leachate storage tanks system, and related ancillary facilities, in accordance with all applicable requirements of Department rules, the conditions of this permit, and in accordance with the reports, plans and information submitted by SCS Engineers [SCS], unless otherwise noted, as follows:

a. Operation Permit Modification to Include Phase II Section I Landfill Expansion, (two 3-ring binders) dated June 4, 2007 (received June 5, 2007), prepared by SCS, as revised, replaced or amended (information inserted into original) dated and received October 1, 2007, January 30, 2008, February 15, 2008, and dated March 10, 2008 (received March 11, 2008). This information includes, but is not limited to:

- 1) Engineering Report, Sections A Through S
- 2) Operations Plan, January 30, 2008 [Attachment L-1]
- 3) Groundwater Monitoring Plan, March 10, 2008 [Section M, Attachment M-1]
- 4) Plan Sheets titled, Hardee County Landfill Modified Operations Drawings To Include Phase II Section I (26 sheets) dated May 2007 (received June 5, 2007), including revised Drawings 22 through 24 of 26, received October 1, 2007, and revised Drawings 1 of 26, 3 of 26, 9 through 17 of 26, and 21 of 26, received January 30, 2008 (inserted into original).

3. **Permit Modifications.**

a. Any construction or operation 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. 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 Phase I and Phase II, Section I, Fill Sequence Nos. 1 through 5, the on-site leachate storage tanks system, and related ancillary facilities.

c. This permit does not authorize the operation of Phase II, Section I, Fill Sequence Nos. 6 and 7, as depicted on the Operation Drawings [see SC#A.2.a(4), Sheets 16, 17, 24, and 25] .

4. **Permit Renewal.** No later than November 1, 2012, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts, and revised (not inflation-adjusted) financial assurance cost estimates.

SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements

5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.
7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.
8. **Regulations.** Chapter 62-701, F.A.C., effective 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.
9. **Prohibitions.**
 - a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.
 - b. In the event that surface depressions 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 in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.
 - c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.

SPECIFIC CONDITIONS: PART B - Construction Requirements

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

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

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

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

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

3) 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.

4) 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.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C., the Operation Drawings [ref. SC#A.2.a(4)], Operations Plan [ref. SC#A.2.a(2)], and any other applicable requirements.

1) Operation of the Materials Recovery Facility shall be in accordance with Chapter 62-701, F.A.C., and Operation Permit 126620-002-SO/31 (including modifications, if any), or its successors [ref. Op. Plan, Sec L.1.d].

2) Operation of the Waste Tire Facility shall be in accordance with Chapters 62-701 and 62-711, F.A.C., and Operation Permit 129318-003-WT/05 (including modifications, if any), or its successors [ref. Op. Plan, Sec L.1.e].

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.

c. The permittee shall maintain and clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation. The permittee shall maintain a minimum disposal setback of 7.5 feet from the edge of the liner marker posts [ref. SC#A.2.a(4), Sheet 26, Details 1-4].

d. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.

e. The Phase II, Section I disposal area shall be operated to limit the leachate head to one foot above the liner.

f. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately observe the materials and remove unacceptable wastes.

g. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days [ref. Op. Plan, Sec L.7.k]. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with the procedures in Section L.9 of the Operations Plan.

3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Portable fences will be utilized as needed to keep litter from leaving the working face area [ref. Op. Plan, Secs. L.7.j & L.11.f]. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, 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**.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.1., cont'd)

h. 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.

i. Equipment. In the event of equipment breakdown or scheduled maintenance, 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 permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.

j. 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 C.6.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 [ref. Op. Plan, Sec.L.2.c.4]. Trenches cut into the waste shall not be used to extinguish fires without prior Department approval.

k. Fuels and fluids shall be added to facility equipment within the onsite maintenance building [ref. Op. Plan, Sec.L.1.i]. Waste streams generated by the operation or maintenance of the facility and equipment shall be managed such that any residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the ground or into surface or groundwaters.

2. Operating Personnel.

a. A trained operator (trained in accordance with the Section L.2.a of the Operations Plan) shall be on duty at the facility whenever the facility is operating and shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.

b. A sufficient number of trained spotters (at least one trained spotter) shall be at the tipping areas at all times that waste is being accepted at the facility to inspect each load of waste as it is unloaded and spread, and shall remove prohibited materials prior to processing [ref. Op. Plan, Sec.L.2.d]. Training of spotters shall be in accordance with the Section L.2.a of the Operations Plan.

c. A sufficient number of trained personnel shall be available to adequately operate the facility. In the event that a trained operator or spotter is not available at the site, the facility shall be closed and shall not accept debris. In the event that unacceptable wastes are not adequately removed from the waste prior to disposal, additional trained spotters shall be required.

d. 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.

SPECIFIC CONDITIONS: PART C - Operation Requirements

3. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. [ref. Op. Plan, Sec. L.5]. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.
4. **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 [ref. Op. Plan, Sec. L.6]. 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 [ref. SC#D.3.b(3)].
 - b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. 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 #C.6.b. and the waste shall be managed in accordance with the procedures provided in Section L.2.c.3 of the Operations Plan.
 - 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.
5. **Control of Nuisance Conditions.**
 - a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation to protect the public health and welfare. 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.
 - b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, **within sixty (60) days** of initial detection, the owner or operator shall submit an odor abatement plan to the Department for approval. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.
6. **Facility Maintenance and Repair.**
 - a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, leachate impoundments, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented. Erosion in the stormwater management system shall be minimized.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.6., cont'd)

- b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems, damaged or dry groundwater monitoring wells, damage to the liner or leachate collection, removal or treatment systems, fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, landfill gas exceedances in onsite structures, etc., 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.
- 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 #C.6.b., 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 #E.5., or as otherwise approved by the Department.
- d. In the event that the stormwater or leachate management systems or liner system is damaged or is not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.
- e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as specified below [ref. Op. Plan, Sec. L.7.k]:
- 1) **Within 7 days** if the soil cover materials have eroded such that greater than 50% of the soil in that location has been eroded, or
 - 2) **By the end of the next working day** if waste or liner is exposed.
- f. In the event that the intermediately covered side slopes exhibit chronic, "significant" erosion as defined above, a corrective action plan shall be submitted to the Department **within thirty (30) days** of written notification and request from the Department and corrective actions shall be implemented in accordance with the Department approved corrective action plan.
- g. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired as specified in Specific Condition #C.6.e., above.
- h. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days**.

SPECIFIC CONDITIONS: PART C - Operation Requirements

7. Stormwater System 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 the mixing of stormwater with leachate, 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. All stormwater conveyances shall be inspected monthly and after significant (greater than 2") rainfall events to verify adequate performance. Conveyances not performing adequately shall be repaired in accordance with the procedures specified in the Operations Plan [ref. Op. Plan, Sec. L.10]. Documentation of all inspections and repairs shall be kept on file at the facility.

b. Maintenance of the surface water management system shall be conducted in accordance with Section L.10 of the Operations Plan.

8. Leachate Management.

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the information in Sections L.2.k and Section L.8 of the Operations Plan, and other applicable Department rules.

b. Leachate, which has accumulated in low areas within the disposal area shall be removed from the disposal area at least **daily**.

c. Leachate Disposal.

1) Leachate shall be hauled offsite for disposal at an appropriately permitted wastewater treatment facility (WWTP). 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.

2) In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the WWTP, 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 WWTP, or in accordance with an alternate schedule approved by the Department.

3) Each pump and pump station and related sensors and controller mechanisms shall be inspected on a semi-annual basis. Pump performance shall be verified semi-annually by performing a flow test on each pump. 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.

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

d. Leachate Quantities.

- 1) Leachate quantities shall be measured and recorded in accordance with the procedures specified in Section L.8.f of the Operations Plan.
- 2) A rain gauge located on-site shall be used to compare precipitation with leachate generation. Rainfall data, in excess of one-tenth of an inch, shall be recorded by landfill personnel on a daily basis [ref. Op. Plan, Sec. L.8.g].
- 3) Leachate generation reports shall be compiled monthly and submitted to the Department quarterly or more frequently if requested, by **January 15th, April 15th, July 15th and October 15th** each year. Leachate generation reports shall include precipitation amounts greater than one tenth of an inch, the number of open, intermediate and closed acres, and the quantities of leachate collected, stored or impounded, recirculated, and hauled off-site to a wastewater treatment facility. The reports shall include quantities for the leachate collection and leakage detection systems separately. Quantities of leakage from the leachate surface impoundments shall be recorded separately from the disposal areas' leakage.

e. Phase I Leachate Levels.

- 1) Leachate levels in Phase I shall be maintained lower than the top of the perimeter liner and an inward gradient shall be maintained between the groundwater levels outside the lined area and the leachate levels inside the lined area [ref. Op. Plan, Sec. L.8.a.1].
- 2) Leachate levels in the Phase I piezometers listed in Section L.8.a.1 of the Operations Plan and ground water levels in the groundwater monitoring wells and piezometers listed in Section L.8.a.1 of the Operations Plan shall be measured monthly. Based on the leachate levels obtained, leachate removal rates and/or system inspection and maintenance shall be adjusted as indicated in Section L.8.a.1 of the Operations Plan.

f. Leachate Leakage Action Rates.

- 1) Leakage into the leakage detection systems (LDS) in Phase II, Section 1 should not exceed 260 gal/ac/day [ref. Permit 38414-008-SC/01, SC#A.2.a., Part H.2.c.4, page H-14], based on EPA recommended action leakage rates published in the Federal Register/Vol. 57 No. 19/ Wednesday January 29, 1992/Rules and Regulations.
- 2) Exceedances of the leakage action rate indicate that deficiencies in the primary liner system may exist. In the event that the quantity of leachate which is removed from the LDS exceeds the action leakage rate, the Department shall be notified **within 48 hours** of discovery. A written plan for corrective action shall be submitted to the Department **within 7 days** of discovery. The approved plan of action shall be implemented within 15 days of Department approval, or in accordance with an alternate schedule approved by the Department.

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

g. Leachate Collection System Inspections/Maintenance.

- 1) The Phase I leachate collection manholes shall be opened and inspected **at least monthly** for sediment buildup. Sediment buildup that may impede the flow of leachate shall be removed via vacuum truck and the manhole shall be re-inspected [ref. Op. Plan, Sec. L.2.k].
- 2) The Phase II, Section I 24-inch leachate riser pipes shall be inspected **at least annually** for sediment buildup. Sediment buildup that may impede the flow of leachate shall be removed via vacuum truck and the riser pipe shall be re-inspected [ref. Op. Plan, Sec. L.2.k].
- 3) **No later than August 1, 2012**, the entire leachate collection and removal system (Phase I and Phase II, Section I) shall be water pressure cleaned and video inspected to verify adequate performance [ref. Op. Plan, Secs. L.2.k & L.8.h]. Components not performing adequately shall be cleaned and/or repaired. The inspection report shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan) and cause of obstructions encountered, proposed corrective actions as appropriate. The results of the inspection and cleaning shall be submitted to the Solid Waste Section of the Southwest District Office **no later than November 1, 2012** to demonstrate adequate performance.

h. Leachate Storage Tanks.

- 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 Section L.2.k of the Operations Plan. The tank exterior, cathodic protection system, overflow protection system, containment area, and other leachate storage system appurtenances shall be inspected **at least weekly** for leaks, corrosion or other damage. The interior of the tanks shall be inspected when drained or at least every three years, and the inspection report shall be provided to the Department [ref. Op. Plan, Sec. L.2.k].
- 2) In the event of failure of the tank overflow protection system (i.e. signal alarms and pump shut-off failure), the back-up contingency plan procedures specified in Section L.8.b of the Operations Plan shall be implemented.

i. Groundwater Interceptor System.

- 1) The groundwater interceptor system, including the pump station, pump on/off levels, and the stormwater swale adjacent to the groundwater interceptor system pump station shall be opened and/or inspected **at least monthly** to evaluate the function of the system [see. Op. Plan, Sec. L.2.l].
- 2) In the event that the pumps in the groundwater interceptor system pump station (Manhole #10) become inoperable, temporary submersible pumps shall be operated to pump groundwater from the pump station to the rip rap lined discharge point adjacent to the pump station [ref. Op. Plan, Sec. L.8.b].

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.8.i., cont'd)

3) **No later than August 1, 2012**, the entire groundwater interceptor system (Phase I and Phase II, Section I) shall be water pressure cleaned and video inspected to verify adequate performance [see Op. Plan, Sec. L.2.l]. Components not performing adequately shall be cleaned and/or repaired. The inspection report shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan) and cause of obstructions encountered, proposed corrective actions as appropriate. The results of the inspection and cleaning shall be submitted to the Solid Waste Section of the Southwest District Office **no later than November 1, 2012** to demonstrate adequate performance.

9. **Special Wastes Handling Requirements.**

a. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the procedures provided in Sections L.1 and L.2.d of the Operation 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. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

b. Household hazardous waste (HHW) management. HHW shall be managed as described in the Operations Plan [ref. Op. Plan, Secs. L.1.h and L.2.d.6], and the following conditions:

- 1) Liquids shall not be discharged outside of the containment curbing of the HHW Collection Center (HHWCC).
- 2) No air-drying of paints shall take place at this facility.
- 3) Materials shall be stored within containment areas at all times.
- 4) Records on the quantities of HHW collected and removed for disposal shall be compiled quarterly and maintained at the facility for Department review upon request.

c. White Goods and Scrap Metal. The white goods and scrap metal shall be stored within the designated area shown on Sheet 4 of 26 of the Operation Drawings and managed as described in the Operations Plan [ref. Op. Plan, Secs. L.1.g & L.2.d.6]. 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. 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. White goods which have had the refrigerant appropriately removed shall be clearly marked. Lawn mowers shall not be accepted at the facility unless fuels and oils have been removed prior to delivery. A maximum of 400 tons of scrap metal (including no more than 200 white goods) may be stored at the site at any time, and shall be removed at least **semi-annually (every 6 months)** [ref. Op. Plan, Sec. L.1.g].

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.9., cont'd)

d. C&D Debris. Construction and demolition debris may be disposed within the lined, Class I disposal cell as described in Section L.2.d.6 of the Operations Plan, subject to the following:

- 1) The "select waste" which is the first layer of waste placed in new, lined disposal cells shall not contain C&D debris or other large items which may damage the liner system.
- 2) C&D debris shall be compacted and sloped in a manner consistent with the final design grades and elevations of the Class I cell.
- 3) C&D debris that is mixed or commingled with non-C&D debris shall be covered daily and managed as Class I waste.

e. Yard Waste/Land Clearing Debris. Yard waste/Land clearing debris and clean wood shall not be accepted at the facility for disposal in the Class I landfill [ref. Op. Plan, Sec.L.2.d.7]. The management of yard trash/landclearing debris in the designated area of the facility [ref. Op. Plan, Fig.1.] shall be in accordance with the procedures provided in Section L.1.f of the Operations Plan and in accordance with the requirement of Rule 62-709.320, F.A.C.

- 1) Monthly records of incoming and outgoing material shall be kept on site for at least three years.
- 2) An Annual Report for a Yard Trash Processing Facility, DEP Form 62-709.320(7)(b) (attached), shall be submitted by April 1 of each year.

f. Waste Tires. Waste tires accepted at the facility shall be managed in accordance with Chapters 62-701 and 62-711, F.A.C., and Waste Tire Collection Center Permit No. 129318-003-WT/05 (including modifications, if any), or its successors.

g. Asbestos Containing Materials. Asbestos containing materials accepted at the facility shall be managed in accordance with the procedures in Section L.2.d.2 and Appendix G of the Operations Plan.

h. Contaminated Soil. Contaminated soil accepted at the facility shall be managed in accordance with the procedures in Section L.2.d.3 and Appendix H of the Operations Plan.

i. Used Oil. Used oil shall not be accepted, commingled with the incoming waste stream, or disposed of at this facility. Oily wastes, sorbents, or other materials used for maintenance or to clean up or contain used oil leaks, spills, or accidental releases may be accepted for disposal as a Class I waste at this facility. Used oil generated by residents only, shall be accepted, stored, and managed at the HHWCC [ref. Op. Plan, Sec.L.2.d.4]. A maximum of 700 gallons of used oil may be stored at the HHWCC at any time, and shall be removed at least **quarterly (every 3 months)** [ref. Op. Plan, Sec.L.1.h].

j. Liquids Restrictions. Liquids shall not be accepted at the facility for disposal except as specified in Rule 62-701.300(10), F.A.C. and Section L.2.d.5 of the Operations Plan.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.9., cont'd)

- k. Lead Acid Batteries. Lead acid batteries shall not be accepted at the facility for disposal. Lead acid batteries shall be stored and managed at the HHWCC in accordance with the procedures in Section L.2.d.6 of the Operations Plan. A maximum of 140 batteries may be stored at the HHWCC at any time, and shall be removed at least **quarterly (every 3 months)** [ref. Op. Plan, Sec. L.1.h].
 - l. Paints. Paints containers with free liquids shall not be accepted at the facility for disposal. Paint containers removed from the waste streams shall be stored and managed at the HHWCC in accordance with the procedures in Section L.2.d.6 of the Operations Plan. A maximum of 100 gallons of paint may be stored at the HHWCC at any time, and shall be removed at least **quarterly (every 3 months)** [ref. Op. Plan, Sec. L.1.h].
 - m. Electronic Wastes. Electronic wastes are accepted at the MRF facility. Electronic wastes removed from the waste streams shall be stored and managed at the MRF or HHWCC in accordance with the procedures in Section L.2.d.6 of the Operations Plan.
 - n. Agricultural Pesticide Containers. Only containers with no pesticide residue that have been thoroughly rinsed and inspected by landfill personnel shall be accepted at the facility for disposal [ref. Op. Plan, Sec. L.2.d.6].
 - o. Biomedical Waste. Biomedical waste shall not be accepted at the facility [ref. Op. Plan, Sec. L.2.d.8]. Materials collected as part of the County's Household Sharps Collection Program are temporarily stored in a designated room at the on-site County Animal Control Kennel in accordance with the Appendix I of the Operations Plan.
 - p. Shredded Waste. Shredded waste shall not be accepted at the facility [ref. Eng. Report, Sec. N.2].
10. **Waste Handling Requirements.**
- a. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. In the event that unacceptable wastes are not adequately removed due to inadequate personnel, additional trained spotters shall be required.
 - b. A trained spotter shall be positioned at the working face to inspect each load from ground level (i.e. while off the equipment) as it is being received, unloaded and as it is spread and compacted [ref. Op. Plan, Sec. L.2.d].
11. **Waste Covering Requirements.** All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.
- a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill 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 [ref. Op. Plan, Sec. L.7.f].

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.11., cont'd)

b. Alternate initial cover materials not identified herein shall be approved by the Department prior to use at the facility.

1) For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary tarpaulin cover [ref. Op. Plan, Sec. L.7.f].

c. Intermediate cover shall be applied and maintained in accordance with F.A.C. 62-701.500(7)(f). 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 [ref. Op. Plan, Sec. L.7.g].

d. Materials that have been used for intermediate cover may be removed and reused only if the materials are free of waste [ref. Op. Plan, Sec. L.7.g].

e. Processed yard waste or clean wood may be spread over initial or intermediate soil cover for stabilization and erosion control measures [ref. Op. Plan, Secs. L.7.f & g].

12. **Working Face.**

a. Pursuant to Rule 62-701.500(7)(d), F.A.C., the owner or operator shall minimize the size of the working face to minimize leachate and the unnecessary use of cover material.

b. Interceptor berms shall be maintained around the working area to prevent leachate runoff from the working face from entering the stormwater management system [ref. Op. Plan, Sec. L.7.d]. Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste.

13. **Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with the Operation Drawings [ref. SC#A.2.a.(3), Sheets 11 through 15 and Sheets 22 through 24], and as described in the Operations Plan [ref. Op. Plan, Secs. L.2.g & L.7.h], or as otherwise approved in writing by the Department.

b. Baled waste at the working face shall be stacked three bales high across the working face and positioned so that their joints are offset to allow bales to interlock [ref. Op. Plan, Sec. L.7.a].

c. Loose waste at the working face shall be spread in 2-foot layers and compacted to a 2-foot compacted thickness before applying the next layer of waste. Cells shall be filled in lifts of an average height of 10 feet. Slopes shall be maintained no greater (steeper) than 3H:1V [ref. Op. Plan, Sec. L.7.c].

d. The placement of both baled and loose waste together at the working face shall be in accordance with the procedures in Section L.7.a of the Operations Plan.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.13., cont'd)

e. Initial Waste Placement.

1) No disposal vehicles shall be operated directly on the liner protective layer. During the initial placement of waste in each cell, soil platforms or similar protective measures shall be placed adjacent to the working face to keep vehicles off the liner protective cover.

2) The first lift of waste shall be a minimum of four(4) feet in compacted thickness and consist of selected wastes containing no large rigid objects that may damage the liner or leachate collection system and shall be conducted in accordance with the procedures in Section L.7.b of the Operations Plan. At least 7 days prior to the initiation of waste placement in each cell, the Department shall be notified in order to allow Department observation of the select waste type and placement.

f. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. [ref. Op. Plan, Sec. L.13.c]. **Annually, no later than April 15th each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design slopes, that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved permit drawings. The capacity estimate shall include updated design lifetime calculations.

SPECIFIC CONDITIONS: PART D - Recordkeeping

1. Report Submittals.

a. Unless specified otherwise in this permit, all submittals, notifications, or requests for permit modification shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

2. 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 [ref. Op. Plan, Sec. L.3]. 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. 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 #A.3. 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 a similar method may be used) and each page numbered with the document title and date of revision.

3. Waste Records.

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. 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** [ref. Op. Plan, Sec. L.4]. Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. 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 inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) Operator and spotter training certificates and other documentation; and
- 5) Log of odor complaints and corrective action.
- 6) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion;
- 7) Documentation of incidents reported pursuant to Specific Condition C.6.;

SPECIFIC CONDITIONS: PART D - Recordkeeping

(Specific Condition #D.3.b., cont'd)

- 8) Water quality and gas monitoring reports;
- 9) Monthly Phase I leachate and groundwater level gradient readings and documentation of any subsequent corrective actions [ref. SC#C.8.e.(2)];
- 10) Quarterly records on the quantities of HHW collected and removed for disposal from the HHW Collection Center [ref. SC#C.9.b.(4)];
- 11) Monthly records of incoming and outgoing yard trash [ref. SC#C.9.e.(1)] and;
- 12) Copies of Annual Report for a Yard Trash Processing Facility, DEP Form 62-709.320(7)(b), submitted by April 1 of each year. [ref. SC#C.9.e].

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

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

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, Tallahassee, Florida 32399-2400.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. 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) described in DEP-SOP-001/01 (February 1, 2004), 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 hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), 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.

b. The field testing, sample collection and preservation and laboratory testing, including the collection of quality control samples, shall be in accordance with 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, A.S.T.M., or EPA methods shall be used.

2. Zone of Discharge.

a. The zone of discharge for this site shall extend horizontally 100 feet from the limits of the landfill liner (all active, inactive and closed disposal areas), 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 for Class G-II ground water will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the ground water minimum criteria referenced in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the disposal areas.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

3. Ground Water Monitor Well Locations. The ground water monitoring system for the combined Phase I and Phase II, Section I footprint is designed and constructed in accordance with the document entitled "Revised Ground Water Monitoring Plan, Attachment M-1 to the Construction Permit Application for Hardee County Landfill Expansion," prepared by SCS Engineers, revised March 10, 2008 [ref.SC#A.2.a(3)]. The ground water monitor wells and piezometers are located on Figure M-1, "Hardee County Solid Waste, Ground Water, Surface Water, and Leachate Monitoring Location Points," prepared by SCS Engineers, received March 11, 2008 (**attached**), as follow:

| Well No. | WACS Testsite # | Aquifer | Designation | Location |
|----------|--------------------|-----------|-----------------------|----------------|
| MW-1 | 296 | Surficial | Background | See Figure M-1 |
| MW-2 | 297 | Surficial | Detection | ↓ |
| MW-4 | 299 | Surficial | Background | ↓ |
| MW-5 | 300 | Surficial | Detection | ↓ |
| MW-8 | 19255 | Surficial | Detection | ↓ |
| MW-10R | 22930 | Surficial | Detection | ↓ |
| MW-11 | 21882 | Surficial | Detection | ↓ |
| MW-12R | 22931 | Surficial | Detection | ↓ |
| MW-3 | 298 | Surficial | Piezometer (GW) | See Figure M-1 |
| MW-6 | 301 | Surficial | Piezometer (GW) | ↓ |
| MW-7 | 302 | Surficial | Piezometer (GW) | ↓ |
| P-7 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-8 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-11 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-12 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-13 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-14 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-17 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-18 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-19 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-20 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-21 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-22 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-23 | N/A | Surficial | Piezometer (GW) | ↓ |
| P-1 | N/A | N/A | Piezometer (leachate) | See Figure M-1 |
| P-2 | N/A | N/A | Piezometer (leachate) | ↓ |
| P-9 | N/A | N/A | Piezometer (leachate) | ↓ |
| P-10 | N/A | N/A | Piezometer (leachate) | ↓ |
| P-15 | N/A | N/A | Piezometer (leachate) | ↓ |
| P-16A* | N/A | N/A | Piezometer (leachate) | ↓ |

Piezometer (GW) = ground water elevation measuring location

Piezometer (leachate) = leachate elevation measuring location

* = to be installed within 90 days of permit issuance in accordance with the construction details presented in Table M-4 of the document entitled "Revised Ground Water Monitoring Plan, Attachment M-1 to the Construction Permit Application for Hardee County Landfill Expansion," prepared by SCS Engineers, revised March 10, 2008 [ref.SC#A.2.a(3)]; documentation of piezometer construction details shall be submitted within 30 days of piezometer installation as indicated in Specific Condition #E.5.b.

All monitor wells and piezometers are to be clearly labeled and easily visible at all times. The permittee should keep all monitor wells and piezometers locked to minimize unauthorized access.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

4. Ground Water 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 reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with the Class G-II ground water standards referenced in Chapter 62-520.420, F.A.C., and with the ground water minimum criteria referenced in Chapter 62-520.400, F.A.C. Compliance with ground water standards shall be based on the analysis of unfiltered samples.

a. Ground water levels shall be measured at all active monitor wells and piezometers listed in Specific Condition #E.3., **monthly during the period from June 2008 to May 2009, and quarterly thereafter.** Water table surface elevation contour maps of the surficial aquifer shall be prepared for each set of water level measurements using data reported for each monitor well and piezometer, and at staff gauges #SG-1 and #SG-2 (SC#E.8.a.). The contour maps shall be submitted to the Department in the reports for the routine ground water sampling events (SC#E.10.) and the monitoring plan evaluation reports (SC#E.11.a., and SC#E.11.b.).

b. Ground water levels shall be measured at all active monitor wells and piezometers listed in Specific Condition #E.3., during all sampling events described in Specific Conditions #E.4.c., and #E.4.d., to a precision of 0.01 foot. The ground water surface contour maps shall be prepared for each sampling event to include the water surface elevations (using an industry-approved datum) calculated for each monitor well and piezometer.

c. An "initial sampling event" shall be conducted **within 7 days of installation and development** of all new and replacement monitor wells for analysis of the following parameters:

Field Parameters

Static water level
before purging
Specific conductivity
pH
Dissolved oxygen
Turbidity
Temperature
Colors and sheens (by obs.)

Laboratory Parameters

| | |
|-------------------------------------|--------|
| Total ammonia - N | Iron |
| Chlorides | Sodium |
| Nitrate | |
| Total dissolved solids (TDS) | |
| <u>Those parameters listed in</u> | |
| <u>40 CFR Part 258, Appendix II</u> | |

Results of "initial sampling events" shall be submitted **within 30 days of receipt** from the analytical laboratory.

d. All background and detection wells listed in Specific Condition #E.3., shall be sampled **semi-annually** for analysis of the following parameters:

Field parameters

Static water level
before purging
Specific conductivity
pH
Dissolved oxygen
Turbidity
Temperature
Colors and sheens (by obs.)

Laboratory parameters

| | |
|------------------------------------|---------|
| Total ammonia - N | Iron |
| Chlorides | Mercury |
| Nitrate | Sodium |
| Total dissolved solids (TDS) | |
| <u>Those parameters listed in</u> | |
| <u>40 CFR Part 258, Appendix I</u> | |

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

5. Ground Water Monitor Well Construction. The following information shall be submitted **within 90 days of installation** of all new or replacement wells or piezometers, or as stated below:

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

b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (**attached**).

c. **Within one week of well completion and development**, each new or replacement monitor well shall be sampled for the parameters listed in Specific Condition #E.4.c., to comply with the requirements of Rules 62-701.510(8)(a) and (8)(d), F.A.C.

d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitor wells and piezometers (active and abandoned) horizontally located in degrees, minutes and seconds of latitude and longitude, and the elevation of the top of the well casing and ground surface by the well casing to the nearest 0.01 foot, using an industry-approved datum. The surveyed drawing shall include the monitor well and piezometer identification numbers, 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.

6. Well Abandonment. All monitor wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition #E.3., 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 well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well/piezometer abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

7. Verification/Evaluation Monitoring. If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's ground water quality standards or minimum criteria in any detection well, 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 as described in Rule 62-701.510(7)(a), F.A.C. If monitoring parameters are detected at concentrations significantly above background water quality, and exceed the Department's ground water quality standards or minimum criteria in any compliance well, the Permittee shall submit a preventive measures plan and initiate corrective action as described in Rule 62-701.510(7)(b), F.A.C.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

8. Surface Water Sampling. 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 for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

a. Surface water levels shall be measured at staff gauges #SG-1 and #SG-2 (located in the ponds east of the Phase I footprint) **monthly during the period from June 2008 to May 2009, and quarterly thereafter.** Water table surface elevation contour maps of the surficial aquifer shall be prepared for each set of water level measurements using data reported for each monitor well and piezometer (SC#E.4.a.), and these staff gauges. The contour maps shall be submitted to the Department in the reports for the routine ground water sampling events (SC#E.10.) and the monitoring plan evaluation reports (SC#E.11.a., and SC#E.11.b.).

b. Surface water samples shall be collected in the storm water pond in proximity to location SW-2 (WACS Testsite ID #21062) as shown on Figure M-2, "Hardee County Solid Waste, Ground Water Monitoring Plan Sampling Locations Map," prepared by SCS Engineers, received March 11, 2008 (**attached**). During periods of discharge from the storm water pond, surface water samples shall be collected at the discharge structure; during periods of no discharge from the storm water pond, surface water samples shall be collected as close as possible to the discharge structure within the pond. In accordance with Rule 62-701.510(4)(c), F.A.C., this surface water monitoring station [i.e., the discharge structure] shall be marked and its position 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 at the location described in SC#E.8.b., in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

Field parameters

Specific conductivity
pH
Dissolved oxygen
Turbidity
Temperature
Colors and sheens (by obs.)

Laboratory parameters

| | |
|---|---------|
| Unionized ammonia | Copper |
| Total hardness | Iron |
| Biochemical oxygen demand (BOD ₅) | Mercury |
| Total dissolved solids (TDS) | Zinc |
| Total organic carbon (TOC) | Nitrate |
| Fecal coliform | |
| Total phosphates | |
| Chlorophyll A | |
| Total nitrogen | |
| Chemical oxygen demand (COD) | |
| Total suspended solids (TSS) | |

Those parameters listed in
40 CFR Part 258, Appendix I

* Samples shall be collected in proximity to SW-2 during the semi-annual periods (January 1 to June 30, and July 1 to December 31 of each year) unless the storm water pond is dry for the entire semi-annual period. In this case, the report submitted for that period shall include a copy of the daily log (excluding Sundays) maintained by Hardee County of observations at SW-2 to document the absence of water in the storm water pond and the inability to collect a surface water sample.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

9. **Leachate Sampling.** Representative leachate grab samples (unfiltered) shall be collected from each of the leachate pump stations as described in Specific Condition #E.9.a., for the sampling events described in Specific Conditions #E.9.b., and #E.9.c. Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C.

a. Leachate grab samples shall be collected from the leachate collection system at the locations shown on Figure M-2, "Hardee County Solid Waste, Ground Water Monitoring Plan Sampling Locations Map," prepared by SCS Engineers, received March 11, 2008 (attached), as follow:

| <u>Leachate Sampling Location #</u> | <u>WACS Testsite #</u> | <u>Location</u> |
|--|------------------------|-----------------|
| Manhole 9 (Phase I) | 21061 | See Figure M-2 |
| Phase II leachate collection/ Detection riser | 22932 | ↓ |

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

| <u>Field parameters</u> | <u>Laboratory parameters</u> | |
|-----------------------------|-------------------------------------|---------|
| Specific conductivity | Total ammonia - N | Iron |
| pH | Bicarbonate | Mercury |
| Dissolved oxygen | Chlorides | Sodium |
| Colors and sheens (by obs.) | Nitrate | |
| | Total dissolved solids (TDS) | |
| | <u>Those parameters listed in</u> | |
| | <u>40 CFR Part 258, Appendix II</u> | |

c. If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall provide notification to the Department in accordance with Specific Condition #C.6.b. In addition, the permittee shall initiate **monthly** leachate sampling at the locations listed in Specific Condition #E.9.a., for analysis of the parameters listed in Specific Condition #E.9.b. Results of the monthly leachate sampling shall be submitted to the Department **within 30 days of receipt from the analytical laboratory**. 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.

10. **Water Quality and Leachate Reporting Requirements.** The permittee shall submit to the Department the results of the semi-annual ground water (SC#E.4.d.) and semi-annual surface water analyses (SC#E.8.c.) **by January 15th and July 15th of each year** for the periods July-December and January-June, respectively. The permittee shall submit to the Department the results of the annual leachate analyses (SC#E.9.b.) **by January 15th of each year**. The permittee shall submit to the Department the results of any ground water "initial sampling event" (SC#E.4.c.), and any monthly leachate analyses (SC#E.9.c.) **within 30 days of receipt of results from the laboratory**. The submittals shall include the certified laboratory report of results, chain of custody sheets and field sampling logs. The reports that transmit the results of ground water analyses 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 ground water quality standards or minimum criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, FL 33637-0926.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.10., continued)

There are two options for reporting monitoring data:

a. Paper Reporting. If this option is selected, all ground water, surface water and leachate analytical results shall be reported on Department Form 62-522.900(2), Ground Water Monitoring Report (**attached**) to be consistent with the laboratory report of results. To facilitate entry into the Department's database (Water Assurance Compliance System [WACS]), this form, or an exact replica without change of content, shall be prepared for each sampling location for each sampling event.

b. Electronic Reporting. Alternatively, all ground water, surface water and leachate analytical results may be submitted as an electronic data deliverable (EDD) on compact disc or flash drive media readable by Microsoft Windows. Software ("Validator") has been developed to evaluate and upload the monitoring data into the Department's database (WACS). A copy of this software can be downloaded from the Department's website at the following address: <http://www.dep.state.fl.us/labs/software/index.htm>. Electronic laboratory data must be submitted in a specific format called a tab delimited text file, with the first line of the file being the data field names (Microsoft Excel produces this file format when the "Save As" and "Text(Tab Delimited)" options are selected). Two copies of the EDD, one in tab delimited text format and one as an Adobe portable document format (PDF) must be submitted. A digitally "signed" PDF serves to maintain the integrity of the EDD. Examples of an acceptable text file and additional information are available at the web site listed above. The permittee is encouraged to download Validator and run all data sets to allow the necessary corrections to be completed prior to submittal of an EDD to the Department.

11. Monitoring Plan Evaluation.

a. **By June 1, 2009**, the permittee shall submit to the Department a report that evaluates ground water velocity in the vicinity of the Phase II, Section I disposal footprint. At a minimum, this report shall include the results of the monthly ground water and surface water level measurements described in Specific Condition #E.4.a., and #E.8.a., respectively, and the results of slug tests conducted at wells MW-10R, MW-11 and MW-12R described in the "Water Quality Sampling and Analysis" subsection of the document entitled "Revised Ground Water Monitoring Plan, Attachment M-1 to the Construction Permit Application for Hardee County Landfill Expansion," prepared by SCS Engineers, revised March 10, 2008 [ref. SC#A.2.a.(3)]. This report shall include a recommendation regarding the appropriate routine ground water sampling frequency based on the range of ground water velocity values calculated using the water levels measured between June 2008 and May 2009 and the slug test results. In the event that this report recommends implementing a quarterly frequency for routine ground water sampling, submittal of a request for minor permit modification shall be submitted in accordance with Specific Condition #A.3.

PERMITTEE: Hardee County Solid Waste Dept.
Ms. Teresa Carver, Director

PERMIT NO: 38414-011-SO/01
Hardee County LF, Phase II

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.11., continued)

b. By May 1, 2010 and November 1, 2012, the permittee shall submit an evaluation of the water quality and leachate 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> |
|--|------------------------------------|----------------------------------|
| May 1, 2010 | Second half 2006 | Second half 2009 |
| November 1, 2012 | First half 2010 | First half 2012 |

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 facility design and operation as related to the prevention of ground water and surface water contamination. Any contamination that may exist 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 North Telecom Parkway, Temple Terrace, FL 33637-0926.

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

1. Landfill Gas - NPs and Title V Air Requirements.

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

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

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

2. Gas Monitoring and Control.

a. Landfills that receive degradable wastes shall have a gas management and control 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 Rules 62-701.500(9) and 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% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., conducted at the locations listed in Specific Condition #F.3., shall be submitted to the Department by the following dates:

| <u>Measured During</u> | <u>Report Submitted By</u> |
|------------------------|---------------------------------------|
| Quarter 1 (Jan - Mar) | April 15 th of each year |
| Quarter 2 (Apr - June) | July 15 th of each year |
| Quarter 3 (July - Sep) | October 15 th of each year |
| Quarter 4 (Oct - Dec) | January 15 th of each year |

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

3. Gas Monitoring Locations. Landfill gas monitoring shall be conducted in accordance with Section O ("Gas Management System Requirements") of the Engineering Report [ref.SC#A.2.a.(1)] and Section L.9 of the Operations Plan to meet the requirements of Rule 62-701.530, F.A.C. All enclosed structures, and the following gas monitoring points shown on Figure O-1, "Gas Probe Locations, Hardee County Landfill Expansion," prepared by SCS Engineers, received November 19, 2004 (**attached**), shall be sampled at least **quarterly** for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.:

| <u>Ambient Monitoring Points</u> | <u>Description</u> |
|----------------------------------|---|
| Maintenance Building | Foundation penetrations; enclosed spaces; electrical control boxes, outlets and openings to conduits; and, ambient air within the structure |
| MRF building | ↓ |
| Scale house/office building | ↓ |
| Animal control building | ↓ |
| <u>Soil Monitoring Probes</u> | <u>Description</u> |
| GP-1 | Northeast corner of landfill footprint |
| GP-2 | North side of landfill footprint |
| GP-3 | Northwest corner of landfill footprint |
| GP-4 | West side of landfill footprint |
| GP-5 | West side of landfill footprint |
| GP-6 | West side of landfill footprint |
| GP-9 | East side of landfill footprint |
| GP-10 | East side of landfill footprint |
| GP-11 | East side of landfill footprint |
| GP-12 | South of Phase II, Section I |
| GP-13 | South of Phase II, Section I |

The listed gas monitoring probes are to be clearly labeled and easily visible at all times.


4. 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 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 60 days** of detection unless otherwise approved by the Department.

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

1. **Closure Permit Requirements.** The landfill owner or operator shall submit a closure permit application to the Department, on DEP Form 62-701.900(1), for those portions of the landfill, which have reached design dimensions and grades. The permit application shall be submitted **at least 90 days prior** to the date when wastes will no longer be accepted for active portions of the landfill, as required by Rule 62-701.600(3), F.A.C., or in accordance with the conditions of an existing Department closure permit, whichever is sooner.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
 - a. The owner or operator shall perform long-term care for the closed portions of the site in accordance with Rule 62-701.620, F.A.C., and the information submitted in the Section R of the Engineering Report.
 - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
 - c. Prior to implementation, the owner or operator shall submit a plan for any proposed uses of the closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use, and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate collection, bottom liner), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

| ATTACHMENT 1 | | |
|---------------------|--|--|
| Specific Condition | Submittal Due Date | Required Item |
| A.4. | No later than November 1, 2012 | Submit permit renewal application |
| A.9.b. | Within 24 hours of discovery Within 7 days of verbal notification | Notification of sinkholes or subsurface instability Written notification & corrective action plan |
| B.2.a. | Within 60 days of completion | Submit certification of construction completion, record drawings, etc. |
| C.5.b. | Within 60 days of initial detection | Submit odor abatement plan |
| C.6.b. | Within 24 hours of discovery Within 7 days of verbal notification | Notification of: hazardous waste receipt, failure of landfill systems or equipment, damage to leachate impoundments Written notification & corrective action plan |
| C.6.c. | Within 60 days of written notification | Complete corrective actions for gradient or groundwater monitoring system |
| C.6.d. | Within 30 days of written notification | Implement corrective actions for leachate or stormwater management system |
| C.6.f. | Within 30 days of written notification from the Department | Submit corrective action plan for chronic erosion of intermediate cover. |
| C.8.c.(1) | No later than 30 days prior to expiration of leachate disposal agreements/contracts | Submit copies of contract/agreement renewal or new contracts/agreements |
| C.8.d.(3) D.3.a. | Quarterly, by January 15 th , April 15 th , July 15 th and October 15 th each year | Submit leachate generation reports Submit waste records to Tallahassee |
| C.8.f.(2) | Within 48 hours of discovery Within 7 days of verbal notification | Notification of exceedance of leakage action rate Written notification & corrective action plan |
| C.8.g.(3) | No later than November 1, 2012 | Submit report of jet cleaning and video inspection of LCS and LDS piping. |
| C.8.i.(3) | No later than November 1, 2012 | Submit report of jet cleaning and video inspection of groundwater interceptor system. |

| ATTACHMENT 1 | | |
|--------------------|---|---|
| Specific Condition | Submittal Due Date | Required Item |
| C.13.f. | Annually, by April 15 th each year | Submit Topographic survey & remaining capacity calculations |
| D.4.a. | Annually, by September 1 st each year | Submit revised cost estimates |
| D.4.b. | Annually | Submit proof of funding |
| E.4.a. | Monthly from June 2008 to May 2009 Quarterly after June 2009 | Conduct ground water level measurements |
| E.4.c. | Within 7 days of new well installation and development | Conduct initial sampling event |
| E.4.d. | Semi-annually | Sample background and detection wells |
| E.5.a. | Prior to installation of new wells | Request and received permit modification |
| E.5.b. | Within 90 days of installation of new wells | Provide construction details for wells |
| E.5.c. | Within 1 week of well development | Conduct initial sampling |
| E.5.d. | Within 90 days of installation of new wells | Provide survey drawing |
| E.6. | Within 30 days of well abandonment | Submit documentation of abandonment |
| E.7 | Within 14 days of discovery | Notification of: monitoring parameters significantly above background water quality or exceeding ground water standards or minimum criteria |
| E.8.a. | Monthly from June 2008 to May 2009 Quarterly after June 2009 | Conduct surface water level measurements |
| E.8.c. | Semi-annually | Sample storm water retention pond |
| E.9.b. | <u>Annually</u> | Conduct leachate sampling |
| E.10. | Semiannually by January 15 th and July 15 th of each year | Submit results of routine ground water sampling events and routine surface water sampling results |
| E.10. | Annually, by January 15 th of each year | Submit results of routine leachate sampling events |
| E.11.a. | June 1, 2009 | Submit ground water velocity evaluation report |

| ATTACHMENT 1 | | |
|--------------------|---|--|
| Specific Condition | Submittal Due Date | Required Item |
| E.11.b. | May 1, 2010 and November 1, 2012 | Submit monitoring plan evaluation reports |
| F.2.c. | Quarterly, by January 15 th , April 15 th , July 15 th , and October 15 th of each year | Submit results of routine landfill gas monitoring events |
| G.1. | No later than 90 days prior to the date when wastes will no longer be received | Submit Closure Permit application |

MAR 11 2008

SOUTHWEST DISTRICT
TAMPA

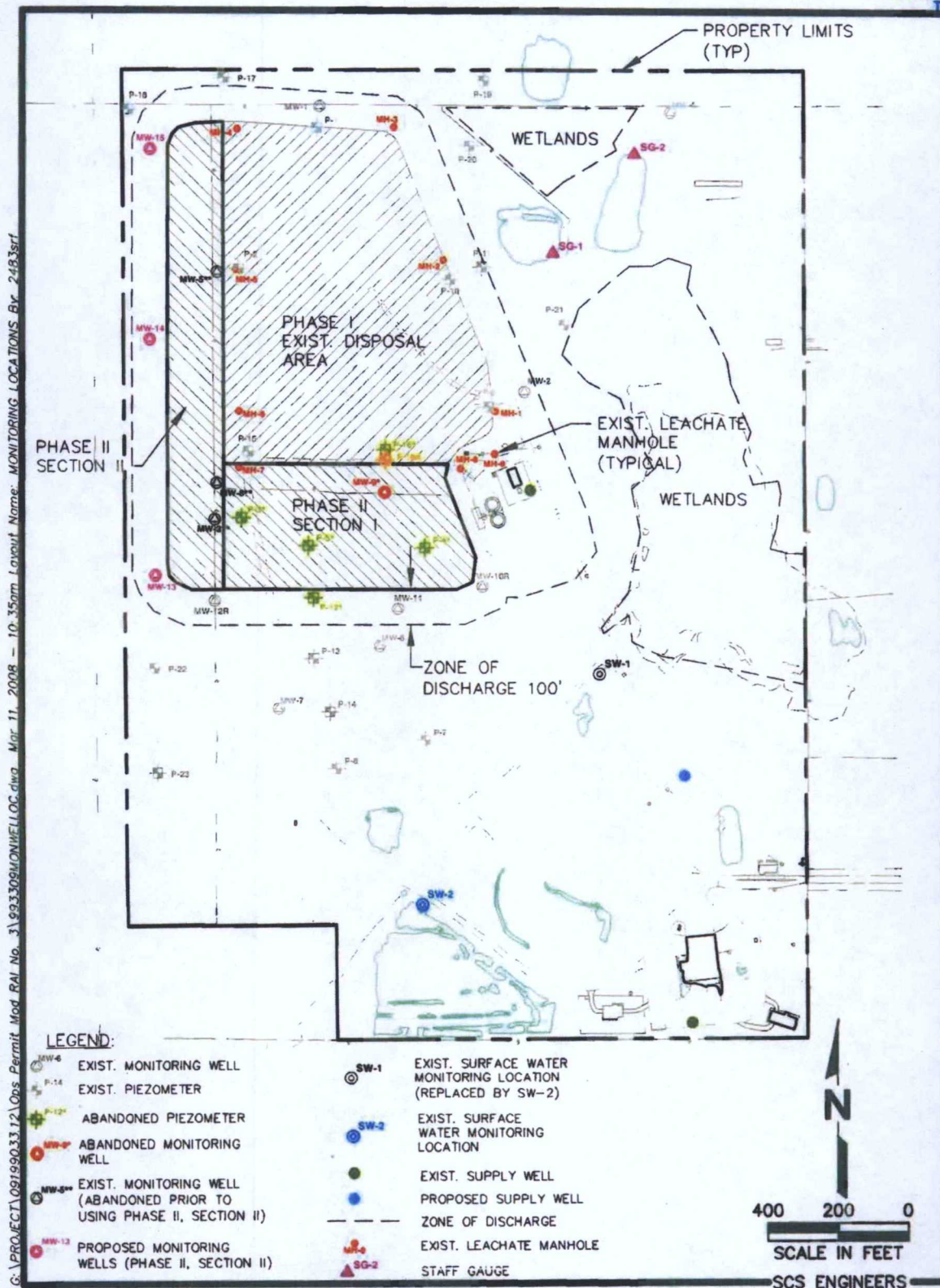


Figure M-1. Hardee County Solid Waste, Groundwater, Surface Water, and Leachate Monitoring Location Points, Hardee County, Florida.

MAR 11 2008

SOUTHWEST DISTRICT
TAMPA

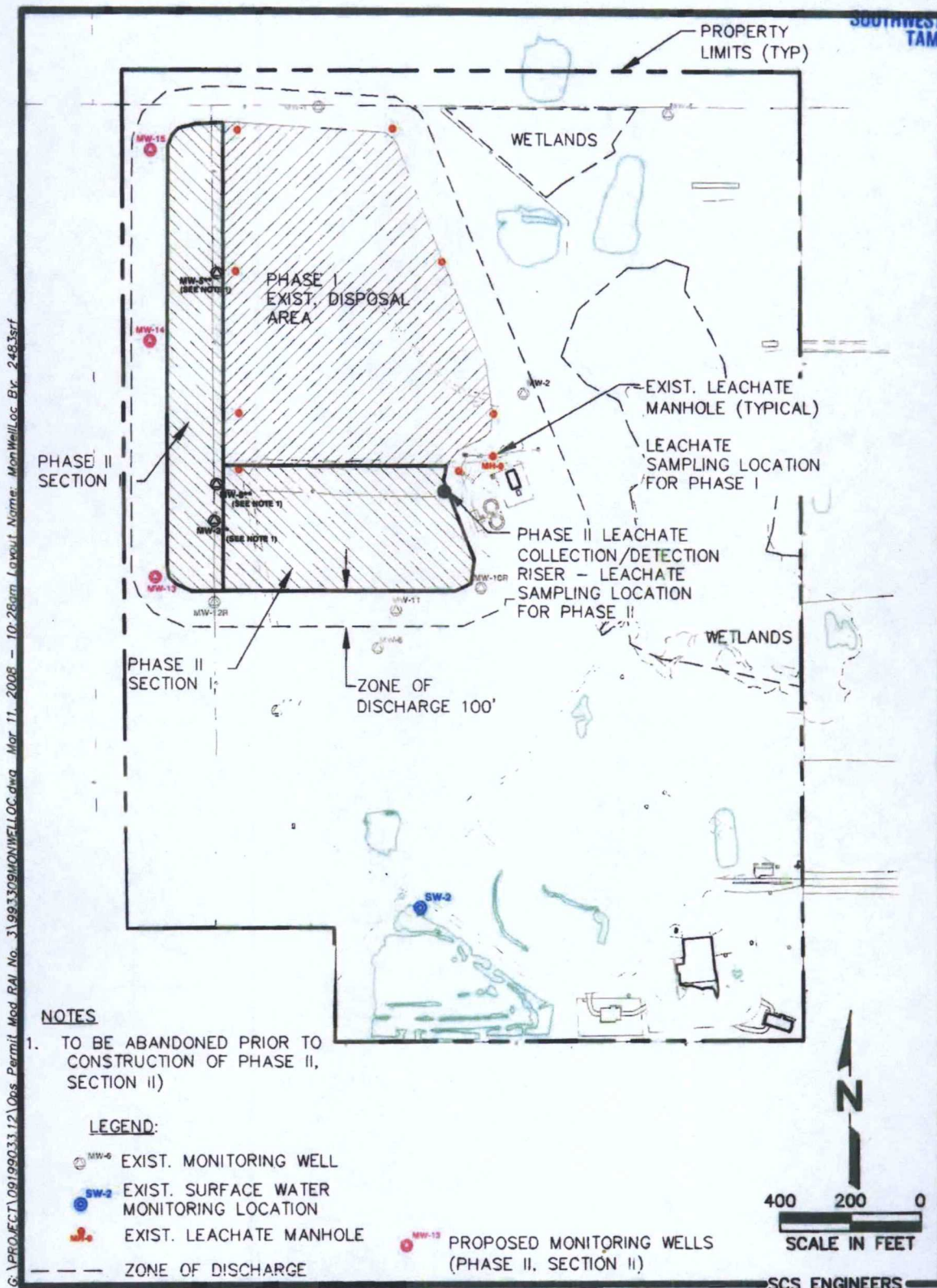


Figure M-2. Hardee County Solid Waste, Groundwater Monitoring Plan Sampling Locations Map, Hardee County, Florida.

REVISED MARCH 10, 2008

NOV 19 2004

SOUTHWEST DISTRICT
TAMPA

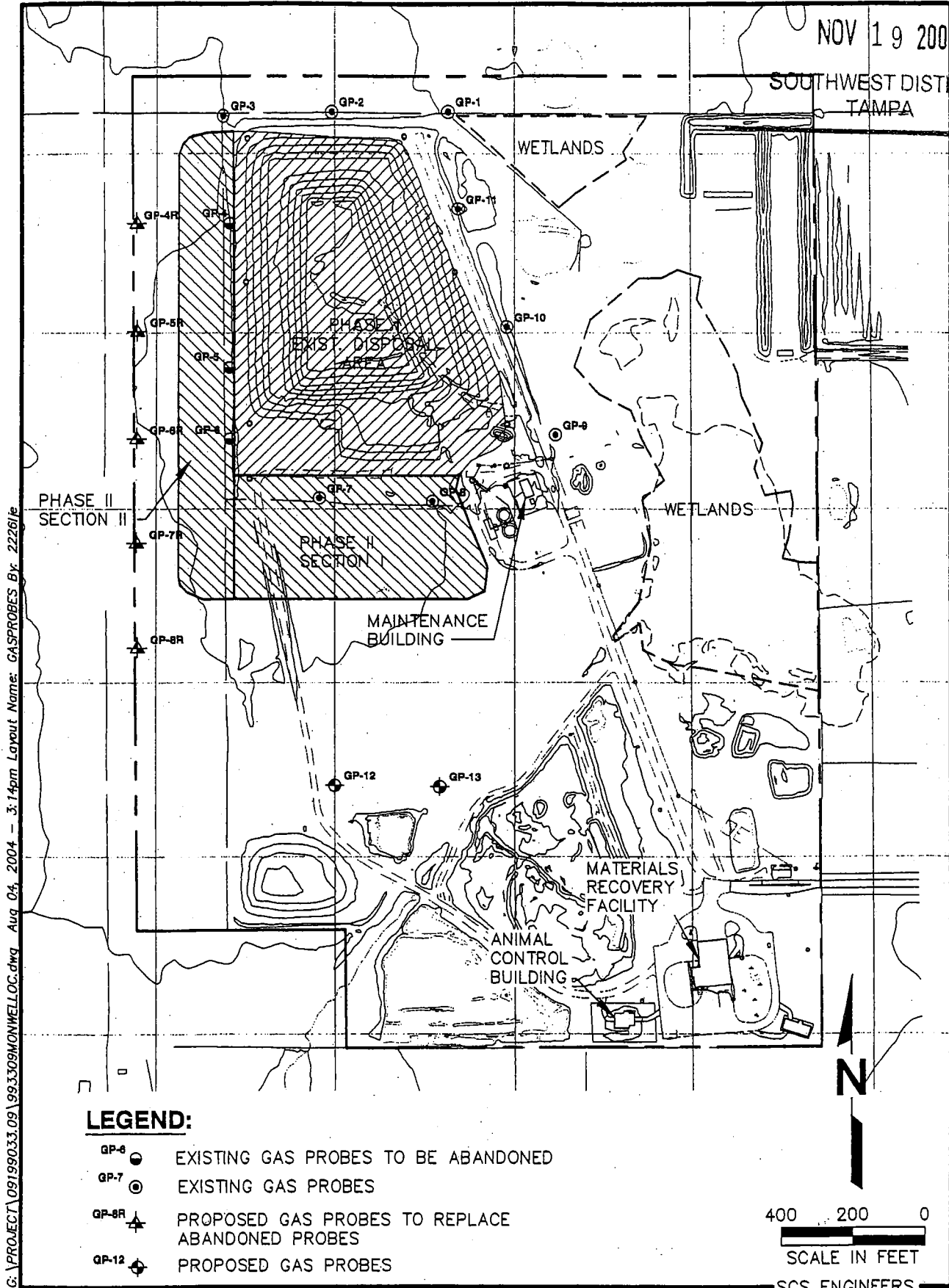


Figure O-1. Gas Probe Locations, Hardee County Landfill Expansion, Hardee County, Florida

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: _____ DEPTH OF SCREEN: _____ (bls)

(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 LEVER 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 () _____

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
() Intermediate
() Compliance
() Other

Ground Water Elevation (NGVD): _____
or (MSL): _____

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

Page 2 of 2



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

February 28, 2008

Ms. Teresa Carver, Solid Waste Director
Hardee County Solid Waste Department
685 Airport Road
Wauchula, Florida 33873

**Re: Hardee County Landfill -Phase II Section I, Operations Plan
Pending Permit No.: 38414-011-SO/01, Hardee County
3rd Request for Additional Information**

Dear Ms. Carver:

This is to acknowledge receipt of the permit application dated and received January 30, 2008, to modify the operation permit to incorporate the operation of the Phase II Section I landfill expansion.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit is incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

GENERAL:

1. The requested information and comments below do not necessarily repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.
2. Please submit 4 copies of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded shaded or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.
3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.
4. Please be advised that although some comments may not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate.

The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]. Please note that the information requested in this letter is numbered the same as the Department's RAI letter dated October 31, 2007. No additional information is requested for Comments #5a, 5b, 5c, 13a, 13b, 21c.i, 21c.ii, 21c.iii, 21d and 21f.

1. **Rule 62-701.320(7)(b), F.A.C. Application Form #62-701.900(1):** Please address the following comment regarding the permit application form and provide an application form with the revised information, where applicable:

d. **Water Quality and Leachate Monitoring Requirements - Part M:**
Please address the comments in John Morris' February 27, 2008 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

Rule 62-701.320(7)(d), F.A.C. Engineering Report:

Please provide the following additional information and revisions to the Engineering Report.

2. **Section F - Landfill Permit Requirements:** Please address the comments in John Morris' February 27, 2008 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

CERTIFICATION OF CONSTRUCTION

24. Certification is pending review. In the event that additional information is requested, please provide this information.

Please respond **by March 27, 2008**, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than **the date noted above**, you should develop an alternate specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available.

This staff assessment is preliminary and is designed to assist in the review of the application prior to final agency action. The comments provided herein are not the final position of the Department and may be subject to revision pursuant to additional information and further review.

You are requested to submit your response to this letter as one complete package. If there are points that must be discussed and resolved, please contact me at (813) 632-7600 ext. 382.

Sincerely,



Roger Evans
Environmental Engineer
Solid Waste Section
Southwest District

Attachments

Cc: Shane R. Fischer, P.E., SCS Engineers, 4041 Park Oaks Boulevard, Suite 100,
Tampa, Florida 33610
Fred Wick, FDEP Tallahassee
John Morris, P.G., FDEP Tampa
Steve Morgan, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

Memorandum

Florida Department of Environmental Protection

TO: Roger Evans
FROM: John Morris, P.G. *JRM*
DATE: February 28, 2008
SUBJECT: Hardee County Landfill, Phase II, Section I, Operation Permit Application
Pending Permit No. 38414-011-SO, Hardee County
Hydrogeologic and Environmental Monitoring Review Comments (Response to RAI #2)
cc: Susan Pelz, P.E. *SP*

I have reviewed portions of the materials submitted to the Department in support of the referenced operation permit application for Hardee County Landfill, that were prepared by SCS Engineers (SCS), on behalf of Hardee County Solid Waste Department, received January 30, 2008 and February 15, 2008. These materials were submitted in response to the review comments presented in the Department's letter dated October 31, 2007. The materials that I reviewed were related to the hydrogeologic investigation and monitoring plan that had been prepared for the pending permit application and included the following:

- Document entitled "Response to Request for Additional Information (RAI #2), Operation Permit Modification to Include Phase II, Section I Landfill Expansion, Hardee County Landfill," dated January 30, 2008, including:
 - Letter prepared by SCS dated January 30, 2008 providing responses to review comments [**referred to as the "SCS response letter"**]
 - Attachment B – Revised Part M – Water Quality and Leachate Monitoring Requirements, DEP Form #62-701.900(1), pages 32 and 33, revised January 30, 2008
 - Attachment D – Revised Section L – Operations Plan, revised January 30, 2008
 - Attachment E – Documentation regarding abandonment of wells MW-10 and MW-12; documentation of construction details and development records for wells MW-10R and MW-12R
 - Attachment F – document entitled "Biennial Ground Water Monitoring Plan Evaluation, Hardee County Landfill, Hardee County, Florida" [**referred to as the GWMPE**], prepared by SCS, revised January 30, 2008
- Letter prepared by SCS dated February 15, 2008 transmitting the "Specific Purpose Survey" (locating the monitor wells, gas probes and piezometers at the Hardee County Landfill), prepared by Pickett Surveying & Photogrammetry, revised February 13, 2008

Additional information is needed to evaluate the adequacy of the monitoring plan. Please have the applicant provide responses to all comments that do not include the phrase: **"No additional information is requested."** Please have the applicant provide revised submittals, or replacement pages to the submittals, that use a ~~strike through~~ and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised or replacement pages (including text, figures, tables, forms appendices, site plans, etc.).

Please have the applicant address the following comments that refer to the permit application form and sections of the referenced submittals. The comment numbers presented below are consistent with my memorandum dated July 3, 2007 and October 31, 2007. To facilitate the review process, those comments that were fully addressed by previous submittals have been deleted from this memorandum.

Part F – Landfill Permit Requirements (Rule 62-701.330, F.A.C.)

1. F.3.b.:

b. The “SCS response letter” described the activities that were conducted to redevelop wells MW-10, MW-11 and MW-12 to further characterize elevated turbidity reported in the June 2007 sampling event (at MW-10) and September 2007 sampling event (at MW-12). The “SCS response letter” also indicated that wells MW-10R and MW-12R were installed to allow the collection of representative ground water samples at these locations that would comply with the Department’s purging criterion for turbidity, and referred to the information provided in Attachment E regarding monitor well construction details and abandonment documentation.

Please note that with the installation of new wells MW-10R and MW-12R, the document entitled “Revised Ground Water Monitoring Plan,” prepared by SCS, revised November 15, 2004 (provided as Attachment M-1 to the construction permit application for Hardee County Landfill expansion, permit #38414-008-SC) as referenced in the Engineering Report for the current pending operating permit application, no longer describes the monitoring plan for the facility and must be revised to reference new wells MW-10R and MW-12R. In addition, portions of the Engineering Report submitted for the current pending operating permit application that reference the November 2004 “Revised Ground Water Monitoring Plan” document must also be revised, including but not limited to the following:

- 1) Document entitled “Revised Ground Water Monitoring Plan,” prepared by SCS, revised November 15, 2004
 - Text references throughout the document should be revised to indicate that wells MW-10R, MW-11 and MW-12R have been installed
 - Text references throughout the document should be revised to indicate that piezometers P-17 through P-23 have been installed
 - All figures in the document should be revised to indicate the locations of wells MW-10R and MW-12R
 - Table M-2 should be revised to indicate that wells MW-10R, MW-11 and MW-12R are designated as detection wells and their construction details in this table should be consistent with the “Monitor Well Completion Report” forms submitted for these locations
 - Table M-3 should be revised to reference MW-10R, MW-11 and MW-12R as existing detection wells, and P-17 through P-23 as existing piezometers
 - Table M-4 should be revised to provide construction details for piezometers P-17 through P-23
- 2) Section F (Landfill Permit Requirements) of the Engineering Report for pending permit #38414-011-SO, prepared by SCS, received June 5, 2007
 - Section F.3.b. (Monitoring Wells) should be revised to reference wells MW-10R and MW-12R
- 3) Section M (Water Quality and Leachate Monitoring Requirements) of the Engineering Report for pending permit #38414-001-SO, prepared by SCS, received October 1, 2007
 - All sections should be revised to refer to the updated “Revised Ground Water Monitoring Plan” referenced in comment #1.b.(1), above
- 4) Operations Plan, Phase I and Phase II Section I Landfill Expansion, prepared by SCS, received October 1, 2007
 - Appendix K, Hardee County Monitoring Locations, Figure 1 should be revised to indicate the locations of wells MW-10R and MW-12R
- 5) Attachment D, Revised Section L – Operations Plan, prepared by SCS, received January 30, 2008
 - Section L.2.j. (Water Quality Monitoring) should be revised to refer to the updated “Revised Ground Water Monitoring Plan” referenced in comment #1.b.(1), above
 - Section L.8.a.2 (Sampling, Analysis, and Results) should be revised to refer to the updated “Revised Ground Water Monitoring Plan” referenced in comment #1.b.(1), above

e. The “SCS response letter” provided ground water elevations measured on January 30, 2008 at all monitor wells and piezometers, and referred to the contour map provided in the GWMPE (Attachment D, Figure D-8). The “SCS response letter” also indicated that based on the direction of ground water flow inferred from Figure D-8, new detection wells MW-10R, MW-11 and MW-12R are located downgradient from the Phase II, Section I expansion footprint. **No additional information is requested.**

Part M – Water Quality and Leachate Monitoring Requirements (Rule 62-701.510, F.A.C.)

3. M.1.a., M.1.c., M.1.c.(1) through M.1.c.(7), M.1.d., M.1.e., M.1.f., and M.1.h.:

a. The “SCS response letter” indicated that both wells MW-1 and MW-4 should have been able to be sampled during June 2007, and indicated that both wells will be included in the next sampling event. The “SCS response letter” also indicated that depending on the water level observed in well MW-1 during the next sampling event, and evaluation of this well’s ability to be sampled during dry season conditions will be conducted to determine if a replacement for this well is needed. Please be reminded that all changes to the monitoring plan (installation/abandonment of all new or replacement wells/piezometers) require authorization by the Department via a minor modification of the operating permit. **No additional information is requested.**

5. M.1.h.: The “SCS response letter” referred to the revised GWMPE, provided in Attachment F.

a. The “SCS response letter” indicated that Table 2 of the GWMPE was revised to indicate that well MW-2 was constructed with a 5-foot screen length. **No additional information is requested.**

b. The “SCS response letter” indicated that Section 4 (“Ground Water Levels and Flow Assessment”) was revised to indicate the results of the slug tests conducted at wells MW-4 (4.9 ft/day) and MW-8 (9 ft/day), and to present ground water velocity values calculated using the highest value of hydraulic conductivity value (9 ft/day) and hydraulic gradients measured using the ground water surface contour map for water levels measured January 30, 2008. **No additional information is requested.**

c. The “SCS response letter” indicated that Section 5 (“Adequacy of the Water Quality Monitoring Locations and Sampling Frequency”) was revised to refer to the revised ground water velocity calculations which indicated that semi-annual ground water sampling frequency remains appropriate for site conditions. **No additional information is requested.**

This staff assessment is preliminary and is designed to assist in the review of the application prior to final agency action. The comments provided herein are not the final position of the Department and may be subject to revision pursuant to additional information for further review.

I can be contacted at 813-632-7600, extension 336, to discuss these review comments.

jrm

Evans, Roger

From: Fischer, Shane [SFischer@SCSEngineers.com]
Sent: Monday, December 17, 2007 2:45 PM
To: Evans, Roger
Cc: Morris, John R.; Teresa Carver; Pelz, Susan; Hilton, Ed
Subject: Hardee County Landfill Ops Permit RAI No. 2 Time Extension

Importance: High

Roger,

Per our phone conversation today, and my discussion with John Morris also today, SCS is proposing to submit the responses to RAI No. 2 for the Hardee County Landfill Operations Permit by January 7, 2008. Please let me know if you need any additional information.

Thank you

Shane

Shane R. Fischer, P.E.
SCS ENGINEERS
4041 Park Oaks Blvd.
Suite 100
Tampa, FL 33610
Phone: (813) 621-0080
Fax: (813) 623-6757
sfischer@scsengineers.com
<http://www.scsengineers.com>



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

October 31, 2007

Ms. Teresa Carver, Solid Waste Director
Hardee County Solid Waste Department
685 Airport Road
Wauchula, Florida 33873

**Re: Hardee County Landfill -Phase II Section I, Operations Plan
Pending Permit No.: 38414-011-SO/01, Hardee County
2nd Request for Additional Information**

Dear Ms. Carver:

This is to acknowledge receipt of the permit application dated and received October 1, 2007, to modify the operation permit to incorporate the operation of the Phase II Section I landfill expansion.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit is incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

GENERAL:

1. The requested information and comments below do not necessarily repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.
2. Please submit **4 copies** of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded shaded or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.
3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.
4. Please be advised that although some comments may not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate.

The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]. Please note that the information requested in this letter is numbered the same as the Department's RAI letter dated July 3, 2007. No additional information is requested for Comments #1a, 1b, 1c, 1e, 1f, 3, 4, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21a, 21b, 21e, 21g, 21h, 21i, 21j, 22 and 23.

1. **Rule 62-701.320(7)(b), F.A.C. Application Form #62-701.900(1):** Please address the following comment regarding the permit application form and provide an application form with the revised information, where applicable:

d. Water Quality and Leachate Monitoring Requirements - Part M:
Please address the comments in John Morris' October 31, 2007 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

Rule 62-701.320(7)(d), F.A.C. Engineering Report:

Please provide the following additional information and revisions to the Engineering Report.

2. Section F - Landfill Permit Requirements: Please address the comments in John Morris' October 31, 2007 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

5. Section R - Long-Term Care Requirements:

a. The text states, "The County will inspect the landfill periodically for settlement and erosion." Please revise the text to describe how often the landfill will be inspected for settlement and erosion.

b. The text states, "Mowing will occur when needed, with more frequent mowing during the wet season." However the financial information indicates mowing will be done a minimum of six times per year. Please revise the text to be consistent with the financial assurance cost estimates.

c. The text states, "Groundwater monitoring is proposed to be done per the current schedule ... plan." Please revise the text to identify the current monitoring schedule.

Rule 62-701.500, F.A.C. Operations Plan:

Please provide the following additional information and revisions to the Operations Plan.

13. Section L.2.1:

a. The text states, "Periodic inspection of the groundwater interceptor system..." Please define "periodic" and revise the text to be more specific on when the groundwater interceptor system will be inspected.

b. Please identify the pump on/off levels that will be set.

Engineering Drawings. Rules 62-701.320(7)(f) and 62-701.330(3)(j) F.A.C.

The Engineering Drawings will be reviewed in their entirety after receipt of this following information.

21. Appendix A -Operations Drawings

c. In response to Comment #21c please modify the Operations Plan, Section L.8.b. to include the following comments.

i. Please provide the pump "on" and "off" elevations.

ii. Please describe the manual operations of the pump should the automatic operations be suspended.

iii. Please describe the process for discharging groundwater collected in the wet well should the pump be rendered inoperable.

d. Sheet 11: Response to Comment #21.d. is confusing as it states that fill sequence No.1 consists of filling the east side of Phase I portion, but Drawing No. 11 identifies a cross-section A, on Sheet 22 which is Phase II -Section I, Fill Sequence No. 1. Please explain this discrepancy.

f. Sheet 17: Response to Comment #21.f. states that the Fill Sequence No. 7 is occurring along the entire south slope of Phase I, but Drawing No. 17 shows the active fill area as being only at the southwest side. Please modify Drawing No. 17 to show the fill sequence to the southeast side of Phase I.

CERTIFICATION OF CONSTRUCTION

24. Certification is pending review. In the event that additional information is requested, please provide this information.

Please respond **by December 17, 2007**, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than **the date noted above**, you should develop an alternate specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available.


You are requested to submit your response to this letter as one complete package. If there are points that must be discussed and resolved, please contact me at (813) 632-7600 ext. 382.

Sincerely,



Roger Evans
Environmental Engineer
Solid Waste Section
Southwest District

Attachments

Cc: Shane R. Fischer, P.E., SCS Engineers, 4041 Park Oaks Boulevard, Suite 100,
Tampa, Florida 33610
Fred Wick, FDEP Tallahassee
John Morris, P.G., FDEP Tampa
Steve Morgan, FDEP Tampa
 Susan Pelz, P.E., FDEP Tampa

Memorandum

Florida Department of Environmental Protection

TO: Roger Evans
FROM: John Morris, P.G. *JLM*
DATE: October 31, 2007
SUBJECT: Hardee County Landfill, Phase II, Section I, Operation Permit Application
Pending Permit No. 38414-011-SO, Hardee County
Hydrogeologic and Environmental Monitoring Review Comments (Response to RAI #1)
cc: Susan Pelz, P.E.
Steve Morgan

I have reviewed portions of the materials submitted to the Department in support of the referenced operation permit application for Hardee County Landfill, that were prepared by SCS Engineers (SCS), on behalf of Hardee County Solid Waste Department, received October 1, 2007 and October 31, 2007. These materials were submitted in response to the review comments presented in the Department's letter dated July 3, 2007. The materials that I reviewed were related to the hydrogeologic investigation and monitoring plan that had been prepared for the pending permit application and included the following:

- Document entitled "Response to Request for Additional Information (RAI #1), Phase II, Section I Operations Plan for Hardee County Landfill," revised October 1, 2007, including:
 - Letter prepared by SCS dated October 1, 2007 providing responses to review comments ("SCS response letter")
 - Attachment J – DEP Form #62-522.900(3) providing construction details for wells MW-10 through MW-12, and for piezometers P-17 through P-23
 - Attachment K – Results of July 30, 2007 and August 2, 2007 ground water sampling event for metals
 - Attachment L – Abandonment documentation for well MW-9 and for piezometers P-3, P-4, P-5 and P-12
 - Attachment M – Results of September 10, 2007 ground water sampling event for semi-volatile organics
 - Attachment N – Revised "Part I" of the Engineering Report
 - Attachment O – Revised "Part O" of the Engineering Report
 - Attachment P – document entitled "Biennial Ground Water Monitoring Plan Evaluation, Hardee County Landfill, Hardee County, Florida" (GWMPE), prepared by SCS, dated October 1, 2007
- E-mail message regarding analyses of chlordane, prepared by Shane Fischer, SCS, dated October 31, 2007

Additional information is needed to evaluate the adequacy of the monitoring plan. Please have the applicant provide responses to all comments that do not include the phrase: **"No additional information is requested."** Please have the applicant provide revised submittals, or replacement pages to the submittals, that use a ~~strike through~~ and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised or replacement pages (including text, figures, tables, forms appendices, site plans, etc.).

Please have the applicant address the following comments that refer to the permit application form and sections of the referenced submittals. The comment numbers presented below are consistent with my memorandum dated July 3, 2007.

Part F – Landfill Permit Requirements (Rule 62-701.330, F.A.C.)

1. **F.3.b.:** This section of the Engineering Report referred to the information provided in the attachments to Part F. Please submit responses to the following:
 - a. The SCS response letter referred to DEP Form #62-522.900(3) completed for wells MW-10 through MW-12, and for piezometers P-17 through P-23, provided in Attachment J. **No additional information is required.**

- b. The SCS response letter indicated that based on the turbidity measurements recorded during the supplemental sampling events conducted in August and September 2007 at well MW-10 it appeared that the monitor well had been appropriately constructed to meet the Department's SOP purging criterion for turbidity. However, the results of the routine sampling event conducted at well MW-10 during June 2007 and the results of the supplemental sampling event conducted at well MW-12 during September 2007 reported turbidity values that exceeded the SOP purging criterion (770 NTU and 51 NTU, respectively). Review of the development records provided in Attachments F-1 and F-2 of the June 2007 permit application submittal indicated that wells MW-10 through MW-12 were developed using a peristaltic pump, and that well MW-10 was pumped dry during its development. Please conduct supplemental development activities at wells MW-10 through MW-12 and submit a description of these activities to summarize the volume of water removed from each well and turbidity values measured while the wells were being redeveloped.
- c. The SCS response letter referred to the abandonment documentation for well MW-9 and piezometers P-3, P-4, P-5 and P-12, provided in Attachment L. **No additional information is required.**
- d. The SCS response letter referred to the results of the supplemental sampling events conducted at wells MW-10 through MW-12 for metals (provided in Attachment K) and for semi-volatile organics (provided in Attachment M). The e-mail message prepared by SCS dated October 31, 2007 also provided clarification regarding the analyses reported for chlordane. **No additional information is required.**
- e. The SCS response letter referred to the GWMPE document provided in Attachment P regarding ground water surface contour maps. As the GWMPE document provided a review of the sampling events conducted between June 2003 and June 2006, it does not provide contour maps for the period of time when new wells MW-10 through MW-12 were sampled. Please submit a summary of the ground water elevations recorded at all existing monitor wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-10, MW-11 and MW-12) and the new piezometers (P-17 through P-23) during the sampling events conducted during April 2007, June 2007, August 2007 and September 2007. Please also submit ground water surface contour maps for each of these sampling events to demonstrate that new wells MW-10 through MW-12 are located downgradient from the Phase II, Section 1 landfill footprint. In the event that ground water elevations were not recorded for these sampling events, please conduct supplemental water level measurements all the above-referenced monitor wells and piezometers (for the combined Phase I and Phase II, Section I footprint) and submit a ground water surface contour map using these supplemental ground water elevations.

Part I – Hydrogeological Investigation Requirements (Rule 62-701.410, F.A.C.)

2. **I.1.a., through I.i.:** The SCS response letter referred to revised Part I of the Engineering Report, provided in Attachment N. **No additional information is required.**

Part M – Water Quality and Leachate Monitoring Requirements (Rule 62-701.510, F.A.C.)

3. **M.1.a., M.1.c., M.1.c.(1) through M.1.c.(7), M.1.d., M.1.e., M.1.f., and M.1.h.:** The SCS response letter referred to revised Part M of the Engineering Report, provided in Attachment O.
- a. It is noted that the results of the June 2007 sampling event (PBS&J transmittal letter dated July 16, 2007) indicated that well MW-1 was dry at the time of sampling and that well MW-4 could not be sampled because of a "faulty cap." Please submit a response that describes the adequacy of well MW-1 to allow sample collection during dry season conditions. Please also submit a response that describes the activities that were completed to restore well MW-4. In the event that replacements for wells MW-1 or MW-4 are needed, please submit revisions to the monitoring plan for the facility to provide the justification of construction details, unique identification numbers, and revised site map.
4. **M.1.b.:** The SCS response letter referred to revised Part M of the Engineering Report, provided in Attachment O. **No additional information is required.**

5. **M.1.h.:** The SCS response letter referred to the GWMPE document, provided in Attachment P regarding the adequacy of the existing monitor wells for the Phase I footprint. Please submit revisions to the GWMPE to address the following:

- a. Please submit revisions to Table 2 to clarify if well MW-2 was constructed with a 5-foot or 8-foot screen length. The columns titled "Screen top/bottom (ft bls)" and "Screen top/bottom (NGVD)" provide inconsistent information for well MW-2.
- b. Section 4 ("Ground Water Levels and Flow Assessment") referred to the field permeability testing conducted by Mevers (average horizontal permeability of about 5 ft/day) and by PBJ&J (average hydraulic conductivity of 0.023 ft/day). Please submit revisions to this section to also refer to the results of the slug tests conducted at wells MW-4 (4.9 ft/day) and MW-8 (9 ft/day) that were provided in the document entitled "Revised Hydrogeological Investigation, Attachment I-1 to the Construction Permit Application for Hardee County Landfill Expansion," prepared by SCS, dated November 15, 2004. Please submit additional revisions to the GWMPE to calculate ground water velocity values that represent the range of values for hydraulic conductivity and hydraulic gradient that are representative of the facility.
- c. Section 5 ("Adequacy of the Water Quality Monitoring Locations and Sampling Frequency") referred to the maximum ground water movement between semi-annual sampling events (~46 feet). Please submit revisions to this section to be consistent with the response to comment #5.b., above, regarding the revised range of ground water velocity values. Please also submit revisions to Table 5 of the GWMPE to include the distances from the edge of waste to wells MW-10, MW-11 and MW-12. Please submit additional revisions to this section to estimate the time it will take for ground water to move from the detection wells to the edge of the zone of discharge (for the Hardee County Landfill the edge of the zone of discharge is 100 feet from the edge of the disposal footprint). In the event that it is determined that ground water can move from any of the detection wells beyond the edge of the zone of discharge in less than 180 days, a shorter sampling frequency (i.e., quarterly) would be appropriate.

I can be contacted at 813-632-7600, extension 336, to discuss these review comments.

jrm

Memorandum

Florida Department of Environmental Protection

TO: Roger Evans
FROM: John Morris, P.G. *JM*
DATE: October 31, 2007
SUBJECT: Hardee County Landfill, Phase II, Section I, Operation Permit Application
Pending Permit No. 38414-011-SO, Hardee County
Hydrogeologic and Environmental Monitoring Review Comments (Response to RAI #1)
cc: Susan Pelz, P.E.
Steve Morgan

I have reviewed portions of the materials submitted to the Department in support of the referenced operation permit application for Hardee County Landfill, that were prepared by SCS Engineers (SCS), on behalf of Hardee County Solid Waste Department, received October 1, 2007 and October 31, 2007. These materials were submitted in response to the review comments presented in the Department's letter dated July 3, 2007. The materials that I reviewed were related to the hydrogeologic investigation and monitoring plan that had been prepared for the pending permit application and included the following:

- Document entitled "Response to Request for Additional Information (RAI #1), Phase II, Section I Operations Plan for Hardee County Landfill," revised October 1, 2007, including:
 - Letter prepared by SCS dated October 1, 2007 providing responses to review comments ("SCS response letter")
 - Attachment J – DEP Form #62-522.900(3) providing construction details for wells MW-10 through MW-12, and for piezometers P-17 through P-23
 - Attachment K – Results of July 30, 2007 and August 2, 2007 ground water sampling event for metals
 - Attachment L – Abandonment documentation for well MW-9 and for piezometers P-3, P-4, P-5 and P-12
 - Attachment M – Results of September 10, 2007 ground water sampling event for semi-volatile organics
 - Attachment N – Revised "Part I" of the Engineering Report
 - Attachment O – Revised "Part O" of the Engineering Report
 - Attachment P – document entitled "Biennial Ground Water Monitoring Plan Evaluation, Hardee County Landfill, Hardee County, Florida" (GWMPE), prepared by SCS, dated October 1, 2007
- E-mail message regarding analyses of chlordane, prepared by Shane Fischer, SCS, dated October 31, 2007

Additional information is needed to evaluate the adequacy of the monitoring plan. Please have the applicant provide responses to all comments that do not include the phrase: **"No additional information is requested."** Please have the applicant provide revised submittals, or replacement pages to the submittals, that use a ~~strike through~~ and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised or replacement pages (including text, figures, tables, forms appendices, site plans, etc.).

Please have the applicant address the following comments that refer to the permit application form and sections of the referenced submittals. The comment numbers presented below are consistent with my memorandum dated July 3, 2007.

Part F – Landfill Permit Requirements (Rule 62-701.330, F.A.C.)

1. **F.3.b.:** This section of the Engineering Report referred to the information provided in the attachments to Part F. Please submit responses to the following:
 - a. The SCS response letter referred to DEP Form #62-522.900(3) completed for wells MW-10 through MW-12, and for piezometers P-17 through P-23, provided in Attachment J. **No additional information is required.**

b. The SCS response letter indicated that based on the turbidity measurements recorded during the supplemental sampling events conducted in August and September 2007 at well MW-10 it appeared that the monitor well had been appropriately constructed to meet the Department's SOP purging criterion for turbidity. However, the results of the routine sampling event conducted at well MW-10 during June 2007 and the results of the supplemental sampling event conducted at well MW-12 during September 2007 reported turbidity values that exceeded the SOP purging criterion (770 NTU and 51 NTU, respectively). Review of the development records provided in Attachments F-1 and F-2 of the June 2007 permit application submittal indicated that wells MW-10 through MW-12 were developed using a peristaltic pump, and that well MW-10 was pumped dry during its development. Please conduct supplemental development activities at wells MW-10 through MW-12 and submit a description of these activities to summarize the volume of water removed from each well and turbidity values measured while the wells were being redeveloped.

c. The SCS response letter referred to the abandonment documentation for well MW-9 and piezometers P-3, P-4, P-5 and P-12, provided in Attachment L. **No additional information is required.**

d. The SCS response letter referred to the results of the supplemental sampling events conducted at wells MW-10 through MW-12 for metals (provided in Attachment K) and for semi-volatile organics (provided in Attachment M). The e-mail message prepared by SCS dated October 31, 2007 also provided clarification regarding the analyses reported for chlordane. **No additional information is required.**

e. The SCS response letter referred to the GWMPE document provided in Attachment P regarding ground water surface contour maps. As the GWMPE document provided a review of the sampling events conducted between June 2003 and June 2006, it does not provide contour maps for the period of time when new wells MW-10 through MW-12 were sampled. Please submit a summary of the ground water elevations recorded at all existing monitor wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-10, MW-11 and MW-12) and the new piezometers (P-17 through P-23) during the sampling events conducted during April 2007, June 2007, August 2007 and September 2007. Please also submit ground water surface contour maps for each of these sampling events to demonstrate that new wells MW-10 through MW-12 are located downgradient from the Phase II, Section 1 landfill footprint. In the event that ground water elevations were not recorded for these sampling events, please conduct supplemental water level measurements all the above-referenced monitor wells and piezometers (for the combined Phase I and Phase II, Section I footprint) and submit a ground water surface contour map using these supplemental ground water elevations.

Part I – Hydrogeological Investigation Requirements (Rule 62-701.410, F.A.C.)

2. **I.1.a., through I.1.i.:** The SCS response letter referred to revised Part I of the Engineering Report, provided in Attachment N. **No additional information is required.**

Part M – Water Quality and Leachate Monitoring Requirements (Rule 62-701.510, F.A.C.)

3. **M.1.a., M.1.c., M.1.c.(1) through M.1.c.(7), M.1.d., M.1.e., M.1.f., and M.1.h.:** The SCS response letter referred to revised Part M of the Engineering Report, provided in Attachment O.

a. It is noted that the results of the June 2007 sampling event (PBS&J transmittal letter dated July 16, 2007) indicated that well MW-1 was dry at the time of sampling and that well MW-4 could not be sampled because of a "faulty cap." Please submit a response that describes the adequacy of well MW-1 to allow sample collection during dry season conditions. Please also submit a response that describes the activities that were completed to restore well MW-4. In the event that replacements for wells MW-1 or MW-4 are needed, please submit revisions to the monitoring plan for the facility to provide the justification of construction details, unique identification numbers, and revised site map.

4. **M.1.b.:** The SCS response letter referred to revised Part M of the Engineering Report, provided in Attachment O. **No additional information is required.**

5. **M.1.h.:** The SCS response letter referred to the GWMPE document, provided in Attachment P regarding the adequacy of the existing monitor wells for the Phase I footprint. Please submit revisions to the GWMPE to address the following:

- a. Please submit revisions to Table 2 to clarify if well MW-2 was constructed with a 5-foot or 8-foot screen length. The columns titled “Screen top/bottom (ft bls)” and “Screen top/bottom (NGVD)” provide inconsistent information for well MW-2.
- b. Section 4 (“Ground Water Levels and Flow Assessment”) referred to the field permeability testing conducted by Mevers (average horizontal permeability of about 5 ft/day) and by PBJ&J (average hydraulic conductivity of 0.023 ft/day). Please submit revisions to this section to also refer to the results of the slug tests conducted at wells MW-4 (4.9 ft/day) and MW-8 (9 ft/day) that were provided in the document entitled “Revised Hydrogeological Investigation, Attachment I-1 to the Construction Permit Application for Hardee County Landfill Expansion,” prepared by SCS, dated November 15, 2004. Please submit additional revisions to the GWMPE to calculate ground water velocity values that represent the range of values for hydraulic conductivity and hydraulic gradient that are representative of the facility.
- c. Section 5 (“Adequacy of the Water Quality Monitoring Locations and Sampling Frequency”) referred to the maximum ground water movement between semi-annual sampling events (~46 feet). Please submit revisions to this section to be consistent with the response to comment #5.b., above, regarding the revised range of ground water velocity values. Please also submit revisions to Table 5 of the GWMPE to include the distances from the edge of waste to wells MW-10, MW-11 and MW-12. Please submit additional revisions to this section to estimate the time it will take for ground water to move from the detection wells to the edge of the zone of discharge (for the Hardee County Landfill the edge of the zone of discharge is 100 feet from the edge of the disposal footprint). In the event that it is determined that ground water can move from any of the detection wells beyond the edge of the zone of discharge in less than 180 days, a shorter sampling frequency (i.e., quarterly) would be appropriate.

I can be contacted at 813-632-7600, extension 336, to discuss these review comments.

jrm

Evans, Roger

From: Evans, Roger
Sent: Friday, August 24, 2007 1:15 PM
To: 'Fischer, Shane'
Cc: Morris, John R.; Hilton, Ed; Teresa Carver; Pelz, Susan
Subject: RE: Hardee County Landfill Ops Permit Mod RAI No. 1 Time Extension

Shane,

In my response to your request for a time extension there was a typographical error in the submittal date. The revised date is identified below.

This is to acknowledge receipt of your time extension request. The Department does not object to your request for an extension of time to complete your response to RAI #1 (letter dated July 3, 2007) of the pending application #38414-011-SO/01. Our goal is to be able to deem the permit application to be complete and sufficient upon review of the supplemental information to be provided by **October 1, 2007**.

Thanks,
Roger

If you have any questions, please call or email (email is better).

Sincerely,

Roger Evans
Environmental Engineer
DEP Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637
(813)632-7600, Ext. 382
roger.evans@dep.state.fl.us

From: Fischer, Shane [<mailto:SFischer@SCSEngineers.com>]
Sent: Thursday, August 23, 2007 4:07 PM
To: Evans, Roger
Cc: Morris, John R.; Hilton, Ed; Teresa Carver; Pelz, Susan
Subject: Hardee County Landfill Ops Permit Mod RAI No. 1 Time Extension
Importance: High

Roger,

We have PBS&J and ENCO Labs scheduled to conduct the sampling and testing of Monitoring Wells 10, 11 and 12 for the semi-volatiles as indicted in John Morris' Memorandum at the Hardee County Landfill for the responses to RAI No. 1 for the Operations Permit Modification. Per our phone conversation August 22, 2007 in order to submit the responses to RAI No. 1 as one complete package, we are proposing to submit the responses to RAI No. 1 after we have received the results from the sampling of Monitoring Wells 10, 11 and 12. I also contacted John Morris on August 15, 2007 and again August 23, 2007 to discuss the issues for the resampling event we are going to conduct.

Once we receive the analytical results it will take us a couple days to review the information and include it into our

8/24/2007

responses to the RAI. We are proposing a submittal date of no later than September 28, 2007 for the responses to RAI No. 1 based on the schedule that has been provided to us for the sampling activities. Please let me know if this timeframe for submittal of the responses to RAI No. 1 is acceptable.

Thank you.

Shane

Shane R. Fischer, P.E.

SCS ENGINEERS

4041 Park Oaks Blvd.

Suite 100

Tampa, FL 33610

Phone: (813) 621-0080

Fax: (813) 623-6757

sfischer@scsengineers.com

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Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

July 3, 2007

Ms. Teresa Carver, Solid Waste Director
Hardee County Solid Waste Department
685 Airport Road
Wauchula, Florida 33873

**Re: Hardee County Landfill -Phase II Section I, Operations Plan
Pending Permit No.: 38414-011-SO/01, Hardee County
1st Request for Additional Information**

Dear Ms. Carver:

This is to acknowledge receipt of the permit application dated June 2007, (received June 5, 2007), to modify the operation permit to incorporate the operation of the Phase II Section I landfill expansion.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit is incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

GENERAL:

1. The requested information and comments below do not necessarily repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.
2. Please submit 4 copies of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded shaded or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.
3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.
4. Please be advised that although some comments may not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate.

The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)].

1. **Rule 62-701.320(7)(b), F.A.C. Application Form #62-701.900(1):** Please address the following comment regarding the permit application form and provide an application form with the revised information, where applicable:

a. General Information - Part A.3: The current permit expires in the year 2009. If the permittee does not want this application to be a major modification, which will give them approximately a year and a half to operate under, they should mark the box as either "New" or "Renewal". This will allow the pending permit to expire five (5) years from the date of issuance. Please revise accordingly.

b. Solid Waste Management Facility Permit Requirements, General - Part E.13: Please publish the attached Notice of Application and provide proof of publication, in accordance with Rule 62-701.320(8), F.A.C., to the Department.

c. Hydrogeological Investigation Requirements - Part I: Please address the comments in John Morris' July 3, 2007 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

d. Water Quality and Leachate Monitoring Requirements - Part M: Please address the comments in John Morris' July 3, 2007 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

e. Landfill Final Closure Requirements - Part P.2 - P.5: The application indicates the information to satisfy Rule 62-701.600, F.A.C., is not applicable (N/A). Please revise these parts of the application to refer to submitted information, as applicable, based on your response to Comment #3 below.

f. Long Term Care Requirements - Part R: The application indicates the information to satisfy Rule 62-701.620, F.A.C., was provided in Sections R.1 through R.5. Please revise this part of the application to refer to submitted information, as applicable, based on your response to Comment #4 below.

Rule 62-701.320(7)(d), F.A.C. Engineering Report:

Please provide the following additional information and revisions to the Engineering Report.

2. Section F - Landfill Permit Requirements: Please address the comments in John Morris' July 3, 2007 memorandum (attached) regarding this information. You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

3. Section J - Geotechnical Investigation Requirements: References to previously submitted geotechnical information in this section should also reference the information submitted by SCS Engineers on March 15, 2007 (received March 16, 2007), for final buildout elevation change. Please revise this section accordingly.

4. Section P - Landfill Final Closure Requirements: Although this application does not include closing Phase I and Phase II Section I, please revise this section to provide a description of the proposed conceptual closure design and plan for the facility consistent with the information provided in support of the financial assurance closing cost estimates provided in Attachment S-1.

5. Section R - Long-Term Care Requirements: Although this application does not include long-term care of Phase I and Phase II Section I, please revise this section to provide a long-term care plan, which describes the facility plans for long term care of the facility including a description of the procedures for erosion control, filling areas of subsidence or other depressions, maintenance of stormwater management system, leachate collection and management, groundwater monitoring and monitor well maintenance, maintenance of vegetative cover, and general maintenance of the facility, and provisions and anticipated source of cover material and vegetation for long term care, consistent with the information provided in support of the financial assurance long-term care estimates in Attachment S-1.

Rule 62-701.500, F.A.C. Operations Plan:

The Operations Plan will be reviewed in its entirety after receipt of responses to these comments. The Operations Plan submitted as part of this application appears to be based on the document dated December 24, 2003, however the Operations Plan was most recently revised on November 29, 2005, in association with construction permit #38414-08-SC/01. Please provide an Operations Plan based on the 2005 revisions and includes the following additional information and revisions to the Operations Plan.

6. Section L.1.f: In the third paragraph please clarify why the first two sentences were stricken from the text as this is a requirement of Rule 62-709.320(4)(a)3.a and b, F.A.C. Please revise Figure 1 to show the twenty foot access road and wetland setback.

7. Section L.1.g: Please describe the two foot stormwater containment berm designed to prevent stormwater from sheet flowing into the nearby wetlands. This information was previously identified in the revised Operations Plan dated November 29, 2005.

8. Section L.2.c.4: The text indicating that "Four water hydrants are located along the eastside of the Class I landfill, on the eastside of the access road" has been struckthrough in the current revision, but the engineering drawings (Sheet 4 of 27) still shows the water hydrants. Please explain or revise the text or drawings accordingly.

9. Section L.2.c.6: The references to Hardee County landfill "Disaster Preparation and Recovery Plan" (Appendix Q) identified in revision dated November 29, 2005, was removed from the section. Please explain why this necessary plan was removed.

10. Section L.2.c.7: Please remove the old FDEP telephone number of 813-744-6100.

11. Section L.2.g: The second paragraph identifies, the bales when utilized will be stacked in a lift of less than three high." However Section L.7.c indicates the bales will be stacked three feet high per lift. Please clarify this inconsistency.

12. Section L.2.i.2: Please explain why the statement "Upon approval of the Phase II expansion plans, the Division of Air Resources Management in Tallahassee, Florida will be notified of the design capacity and Title V applicability of the entire landfill" previously incorporated into the May 20, 2005 revision was removed from the text.

13. Section L.2.1: Please provide procedures for the periodic inspection of the groundwater interceptor system, including pump on/off levels, where the groundwater is discharged, and how the function of the system will be evaluated.

14. Section L.7: According to the text the majority of incoming waste is baled for volume reduction. However in other sections (e.g., L.2.g and L.7.a) it indicates that with the addition of the Caterpillar 816F Compactor, bailing of the incoming waste will no longer be used as the primary waste volume reduction process. Please revise this inconsistency throughout the document.

15. Section L.7.c: See Comment #11.

16. Section L.7.h: It does not appear to be feasible to complete the filling of Phase I and then shift the placement of waste to Phase II Section I Expansion area, as the operator will need some interim time when both areas are operating to allow the for select waste placement into the new cell. Please revise the text to include verbiage for this transition. See also Comment #21.j.

17. Section L.8.a.1 -Phase II Section I Landfill Expansion Leveling: Please clarify if once the liquid level rises above a predetermined elevation, the pumps will be activated and the liquids will be pumped to the existing leachate storage tanks (current revision) or it will be pumped to MH-8 (revision dated May 20, 2005). Please revise the text accordingly.

18. Section L.8.b:

a. Please describe why the berm surrounding the working face, if needed, is not maintained at all times. Please clarify if the "low area" is within the bermed working face.

b. Please explain what is meant by, "As a back-up contingency plan (only used should signal alarms and pump shut-offs fail) the back-up overfill protection system....."

19. Section L.9: The site layout map contained in Appendix K (current revision) appears to be missing two of the gas monitoring probes (GP-12 and GP-13). A previous submittal (Figure H-1, revision dated November 19, 2004) shows all the probes. Please revise the map to show all gas monitoring probes.

20. Section L.11.e: See Comment #8.

Engineering Drawings. Rules 62-701.320(7)(f) and 62-701.330(3)(j) F.A.C.

The Engineering Drawings will be reviewed in their entirety after receipt of this following information.

21. Appendix A -Operations Drawings

a. Sheet 3: See Comment #8.

b. Sheet 4: See Comment #8.

c. Sheet 10: Please provide the operation procedures in the Operations Plan for the groundwater control system.

d. Sheet 11: Please describe and show what is being filled during Fill Sequence No.1.

- e. Sheet 16: Please clarify on the plans if filling is just occurring in the area shown or is filling all across the south slope of Phase I. Please be advised that filling against the slope of Phase I shall not be authorized until the slope liner is constructed and certification of construction approved.
- f. Sheet 17: Please clarify on the plans if filling is just occurring in the area shown or is filling all across the south slope of Phase I.
- g. Sheet 22:
 - i) Please show the fill sequence on cross-section A/11.
 - ii) Please show the rain separation berm on the cross-section D/12.
- h. Sheet 23: Please show the rain separation berm on the cross-section F/13 and H/14.
- i. Sheet 24: Please identify the Fill Sequence No. 6 on cross-section K/16.
- j. Please provide a table which identifies each fill sequence. The table should incorporate the approximate time to fill each sequence; the schedule for constructing the Phase I south slope liner; and the anticipated closure schedule for Phase I.

Appendix E -Fire Contingency Operation Plan

22. The text states the landfill site is equipped with one hydrant. According to the plans submitted, there are multiple fire hydrants at the facility. Please revise the text or the drawings accordingly.

Appendix O -Leachate Management Record Keeping Forms

23. The appendix is missing the 'Monthly Leachate Water Balance' form that identifies Phase II leachate collection and detection quantities. Please include the form that was submitted and approved in May 2005.

CERTIFICATION OF CONSTRUCTION

24. Please address the comments in Susan Pelz July 3, 2007 letter (sent under separate cover) regarding the Certification of Construction for Phase II, Section I landfill expansion.

Please **respond within 45 days** after you receive this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 45 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available.

You are requested to submit your response to this letter as one complete package. If there are points that must be discussed and resolved, please contact me at (813) 632-7600 ext. 382.

Sincerely,



Roger Evans
Environmental Engineer
Solid Waste Section
Southwest District

Attachments

Cc: Shane R. Fischer, P.E., SCS Engineers, 4041 Park Oaks Boulevard, Suite 100,
Tampa, Florida 33610
Fred Wick, FDEP Tallahassee
John Morris, P.G., FDEP Tampa
Steve Morgan, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

62-110.106 (6) Public Notice of Application and Proposed Agency Action
Publication of a notice of application shall be required for those projects that, because of their size, potential effect on the environment or natural resources, controversial nature, or location, are reasonably expected by the Department to result in a heightened public concern or likelihood of request for administrative proceedings. If required, the notice shall be published by the applicant one time only within fourteen days after a complete application is filed and shall contain the name of the applicant, a brief description of the project and its location, the location of the application file, and the times when it is available for public inspection. The notice shall be prepared by the Department and shall comply with the following format:

State of Florida
Department of Environmental Protection
Notice of Application
File No.: 38414-011-SO/01

The Department announces the receipt of an application for permit renewal from Ms. Teresa Carver, Solid Waste Director, for operation of a Class I Landfill (Phase II, Section I), located at 685 Airport Road, Wauchula, Hardee County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m. Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Memorandum

Florida Department of Environmental Protection

TO: Roger Evans
FROM: John Morris, P.G. *JM*
DATE: July 3, 2007
SUBJECT: Hardee County Landfill, Phase II, Section I, Operation Permit Application
Pending Permit No. 38414-011-SO, Hardee County
Hydrogeologic and Environmental Monitoring Review Comments
cc: Susan Pelz, P.E.
Steve Morgan

I have reviewed portions of the materials submitted to the Department in support of the referenced operation permit application for Hardee County Landfill, that were prepared by SCS Engineers (SCS), on behalf of Hardee County Solid Waste Department, received June 5, 2007. The materials that I reviewed were related to the hydrogeologic investigation and monitoring plan that had been prepared for the pending permit application and included the following:

- Document entitled "Operation Permit Modification to Include Phase II, Section I Landfill Expansion," dated June 4, 2007 ("Engineering Report"), including:
 - Part F – Landfill Permit Requirements, including:
 - Attachment F-1 – Well Completion Report, Wells MW-10 and MW-11,
 - Attachment F-2 – Well Completion Report, Well MW-12,
 - Attachment F-3 – Well Completion Report, Piezometers P-17 through P-23,
 - Attachment F-4 – Well Completion Report, Abandonment of Well MW-9, and
 - Attachment F-5 – Initial Sampling Event Analytical Results, Wells MW-10, MW-11 and MW-12
 - Part I – Hydrogeological Investigation Requirements; and,
 - Part M – Water Quality and Leachate Monitoring Requirements.

Additional information is needed to evaluate the adequacy of the monitoring plan. Please have the applicant address the following comments that refer to the permit application form and sections of the referenced submittals. Please have the applicant provide revised submittals, or replacement pages to the submittals, that use a strike through and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised or replacement pages (including text, figures, tables, forms appendices, site plans, etc.).

Part F – Landfill Permit Requirements (Rule 62-701.330, F.A.C.)

1. **F.3.b.:** This section of the Engineering Report referred to the information provided in the attachments to Part F. Please submit responses to the following:

- a. Specific Condition E.1.b., of permit #38414-008-SC required the construction and development details for the proposed monitor wells and piezometers to be provided on Department Form #62-522.900(3). Please submit revisions to Attachments F-1, F-2 and F-3 to provide the required information for wells MW-10 through MW-12, and for piezometers P-17 through P-23. Please have the applicant provide the required survey information on the forms for each monitor well and piezometer (latitude and longitude coordinates, top of casing and land surface elevations). For the applicant's convenience, a copy of this form is **attached**.
- b. Based on the information provided for well MW-10 in Attachment F-1 (well development data on "Well Construction and Development Log") and Attachment F-5 (purging data on "Ground Water Sampling Log"), it appears that this location produces very turbid ground water samples. Please submit an evaluation of the adequacy of the materials used to construct well MW-10 (10-slot screen and 20/30 sand pack) to produce representative ground water samples for the formation encountered (clayey sand) that will meet the purging criterion in the Department's SOP #FS 2200 (Section FS 2212, Item 3.1). In the event that well MW-10 cannot produce ground water samples with a turbidity of 20 NTU or less, the supplemental information described in SOP #FS 2200, Section FS 2212, Items 3.2 and 3.3 shall be submitted to demonstrate that elevated turbidity is naturally occurring, or a replacement for well MW-10 may be required.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

- c. This section of the Engineering Report referred to the information provided in Attachment F-4 regarding the abandonment of well MW-9. Please note that Specific Condition #E.2., of permit #38414-008-SC also required the submittal of documentation regarding the abandonment of piezometers P-3, P-4, P-5 and P-12. Please submit revisions to Attachment F-4 to clarify the well or piezometer numbers assigned to the three separate Well Completion Reports that were provided.
- d. This section of the Engineering Report referred to the information provided in Attachment F-5 regarding the results of the initial sampling event conducted at wells MW-10, MW-11 and MW-12 to meet the requirements of Specific Condition #29.b., of permit #38414-007-SO. Please note that the analytical results appeared to omit several of the "initial sampling event" parameters listed in Rules 62-701.510(8)(a) and (8)(d), F.A.C., additionally, several metals and semi-volatile organics were reported at method detection limits that do not demonstrate compliance with the Department's ground water standards or minimum criteria (**see attached Table 1**). Please submit the results of supplemental activities to complete the initial sampling event. Please have the applicant direct the contracted laboratories to use appropriate analytical methods so that the method detection limits are reported at or below the Department's ground water standards and minimum criteria for the listed parameters. In the event that personnel from the contracted laboratories need guidance in selecting the appropriate analytical methods, please have them contact Ms. Silky Labie with the Department's Bureau of Laboratories at 850-245-8066 prior to scheduling future initial sampling activities.
- e. Please submit revisions to Attachment F-5 to provide the ground water elevations recorded at all monitor wells and piezometers during the April 5, 2007 sampling event and provide a ground water surface contour map prepared using these elevations. In the event that ground water elevations were not recorded for the April 5, 2007 sampling event, please conduct supplemental water level measurements at all monitor wells and piezometers (for the combined Phase I and Phase II, Section I footprint) and submit a ground water surface contour map using these supplemental ground water elevations.

Part I – Hydrogeological Investigation Requirements (Rule 62-701.410, F.A.C.)

2. **I.1.a., through I.1.i.:** These sections of the Engineering Report refer to the revised hydrogeological investigation report prepared by SCS that was submitted as Attachment I-1 of the construction permit for Phase II, Section I, dated April 2004. Please submit revisions to these sections of the Engineering Report to refer to the document entitled "Revised Hydrogeological Investigation," dated November 15, 2004.

Part M – Water Quality and Leachate Monitoring Requirements (Rule 62-701.510, F.A.C.)

3. **M.1.a., M.1.c., M.1.c.(1) through M.1.c.(7), M.1.d., M.1.e., M.1.f., and M.1.h.:** These sections of the Engineering Report referred to Attachment M-1 of the construction permit for Phase II, Section I, dated April 2004. Please submit revisions to these sections of the Engineering Report to refer to the document entitled "Revised Ground Water Monitoring Plan," dated November 15, 2004.

4. **M.1.b.:** Please submit revisions to this section of the Engineering Report to indicate that water quality sampling and testing shall be conducted in accordance with Chapter 62-160, F.A.C.

5. **M.1.h.:** This section of the Engineering Report referred to the water quality monitoring requirements for the facility that were discussed in the document entitled "Biennial Ground Water Monitoring Plan Evaluation Report," prepared by SCS, dated May 16, 2003. Please note that one monitoring plan has been prepared for the combined disposal footprint represented by the existing Phase I area and the expansion Phase II, Section I area. Accordingly, the adequacy of the monitoring plan for the Phase I area was required to be addressed by the monitoring plan evaluation report with a due date of July 15, 2006 (Specific Condition #34, permit #38414-007-SO). Please submit revisions to this section of the Engineering Report to include an evaluation of the trend analysis, interpretation of ground water contour maps, ground water flow velocities, and the adequacy of the routine monitoring frequency and sampling locations to characterize the results of the sampling events conducted between the first half 2003 and the first half 2006 for the Phase I area.

I can be contacted at 813-632-7600, extension 336, to discuss these review comments.

Attachments: DEP Form #62-522.900(3); Table 1 – Summary of Inadequate Results for the April 5, 2007 Sampling Event

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: _____ 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

TABLE 1 -- SUMMARY OF INADEQUATE RESULTS FOR THE APRIL 5, 2007 SAMPLING EVENT

Facility Name -- Hardee County Class I Landfill

County -- Hardee

Date Sampled -- 4/5/07

Analytical Laboratory -- Columbia Analytical Services, Sun Labs, ENCO Labs

Date Received -- 6/5/07

| PARAMETERS | Ground Water Criteria | Criteria Type | Monitor Well Identification Number | | | Notes (as needed) |
|-------------------------------|-----------------------|---------------|------------------------------------|-----------------|-----------------|--|
| | | | MW-10 detection | MW-11 detection | MW-12 detection | |
| METALS | | | | | | |
| Antimony | 6 | 1° GWS | <6.7 | <6.7 | <6.7 | Elevated MDL reported |
| Beryllium | 4 | 1° GWS | <4.4 | <4.4 | <4.4 | Elevated MDL reported |
| Iron | 0.3 | 2° GWS | NA | NA | NA | Parameter omitted |
| Sodium | 160 | 1° GWS | NA | NA | NA | Parameter omitted |
| Thallium | 2 | 1° GWS | <2.7 | <2.7 | <2.7 | Elevated MDL reported |
| SEMI-VOLATILE ORGANICS | | | | | | |
| Benzo(a)anthracene | 0.05 | MC | <0.59 | <0.59 | <0.59 | Elevated MDL reported; PQL @ 0.2 µg/L |
| Benzo(a) pyrene | 0.2 | 1° GWS | <0.58 | <0.58 | <0.58 | Elevated MDL reported |
| Benzo(b) fluoranthene | 0.05 | MC | <0.61 | <0.61 | <0.61 | Elevated MDL reported; PQL @ 0.1 µg/L |
| Benzo(k) fluoranthene | 0.5 | MC | <0.6 | <0.6 | <0.6 | Elevated MDL reported |
| Beta-chlordane | 2 | 1° GWS | NA | NA | NA | Parameter omitted; alpha- and gamma-chlordane reported |
| Chlorobenzilate | 0.1 | MC | <6.2 | <6.2 | <6.2 | Elevated MDL reported; PQL @ 0.8 µg/L |
| Diallate | 0.6 | MC | <5.3 | <5.3 | <5.3 | Elevated MDL reported |
| Dibenz(a,h) anthracene | 0.005 | MC | <0.59 | <0.59 | <0.59 | Elevated MDL reported; PQL @ 0.2 µg/L |
| 2,4-dinitrotoluene | 0.05 | MC | <0.41 | <0.41 | <0.41 | Elevated MDL reported; PQL @ 0.2 µg/L |
| Diphenylamine | 180 | MC | NA | NA | NA | Parameter omitted |
| Famphur | 3.5 | MC | <6.6 | <6.6 | <6.6 | Elevated MDL reported |
| Indeno(1,2,3-cd) pyrene | 0.05 | MC | <0.56 | <0.56 | <0.56 | Elevated MDL reported; PQL @ 0.2 µg/L |
| Kepone | 0.004 | MC | <24 | <24 | <24 | Elevated MDL reported; PQL @ 6 µg/L |
| 3-methyl phenol | 35 | MC | NA | NA | NA | Parameter omitted |
| Pentachloronitrobenzene | 0.1 | MC | <1.6 | <1.6 | <1.6 | Elevated MDL reported; PQL @ 0.3 µg/L |

NOTES:

Units reported in µg/L

NA = not analyzed

1° GWS = primary ground water standard

2° GWS = secondary ground water standard

MC = minimum criteria (Chapter 62-777, F.A.C., Table 1)

PQL = practical quantitation limits presented in Table C of DEP document "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits," dated October 12, 2004; this document can be accessed at the following link: ftp://ftp.dep.state.fl.us/pub/labs/assessment/library/docs/62_777final.pdf.

Unless a PQL value is presented in the Notes column, the analytical laboratory must report MDL at or below the ground water standard or minimum criterion to demonstrate compliance for that parameter

SCS ENGINEERS

June 4, 2007
File No. 09199033.16/.12

Dept. of Environmental
Protection

JUN 05 2007

Southwest District

Susan J. Pelz, P.E.
Solid Waste Program Manager
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Subject: Certification of Construction Completion Report
Hardee County Landfill - Phase II Section I Landfill Expansion
Construction Permit No. 38414-008-SC/01
Hardee County, Florida

Application for Modification to Operations Permit No. 38414-007-SO
Hardee County Landfill Facility, Hardee County, Florida

Dear Ms. Pelz:

On behalf of the Hardee County Board of County Commissioners (BOCC), SCS Engineers (SCS) is pleased to submit to the Florida Department of Environmental Protection (FDEP) the Certification of Construction Completion Report for the construction of the Phase II Section I Landfill Expansion (approximately 5 acres) located in Hardee County, Florida. Please find enclosed two copies of the Certification of Construction Completion Report for the construction of the Phase II Section I Landfill Expansion.

In addition, per Specific Condition B.1.a. of FDEP Construction Permit No. 38414-008-SC/01, SCS has included, under a separate cover, an application for a major permit modification to FDEP Operation Permit No. 38414-007-SO for the Hardee County Landfill (Phase I) facility. The purpose of the modification to Operation Permit No. 38414-007-SO is to incorporate the operation of the Phase II Section I Landfill Expansion into the Operation Permit of the existing Hardee County Landfill facility.

Four copies of the materials listed below for the modification to FDEP Operation Permit No. 38414-007-SO are enclosed for your review. A permit application fee of \$10,000 is required for a major modification to the Operation Permit. However, Hardee County requests a permit fee reduction or waiver to be granted on the basis of fiscal hardship. Based upon previous discussion with the Department, Hardee County is eligible for a permit fee reduction. Attached to this letter is a check for \$250 including documentation of the millage rate for Hardee County.

- **Operations Permit Application Form** - Completed FDEP Solid Waste Management Facility Permit Application Form 62-70.900(1) for modifying the



Susan J. Pelz, P.E.
June 4, 2007
Page 2

existing Phase I Operation Permit to include the operation of the Phase II Section I Landfill Expansion and supporting documentation.

- **Operation Plan (Section L)** - Revisions to the approved Operation Plan, Section L of FDEP Solid Waste Management Facility Permit Application Form 62-70.900(1), to include specific information regarding the Phase II Section I Landfill Expansion and supporting documentation. The additional information is highlighted using a ~~strikethrough~~ and underline format, with revision dates to facilitate review.
- **Modified Operations Drawings** - Modified Operations Drawings which include the operation of the Phase II Section I Landfill Expansion.

Please do not hesitate to call should you have any questions or require additional information.

Sincerely,



Shane R. Fischer, P.E.
Project Manager
SCS ENGINEERS

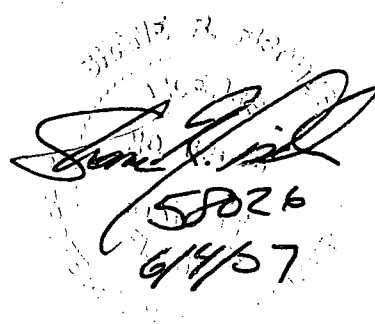


C. Ed Hilton, P.E.
Vice President
SCS ENGINEERS

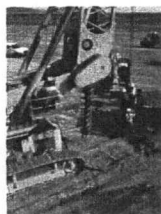
cc: Teresa Carver, Hardee County Solid Waste Director

SRF/CEH:srf

Enclosures



58026
6/4/07



**Operations Plan
Phase I and Phase II Section I
Landfill Expansion
For**

Hardee County Landfill

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JUN - 5 2007

Presented to:
Hardee County

**SOUTHWEST DISTRICT
TAMPA**



Solid Waste Department
685 Airport Road
Wauchula, Florida 33873
(863) 773-5089

Presented by:

SCS ENGINEERS
4041 Park Oaks Boulevard
Suite 100
Tampa, Florida 33610
(813) 621-0080
Fax (813) 623-6757

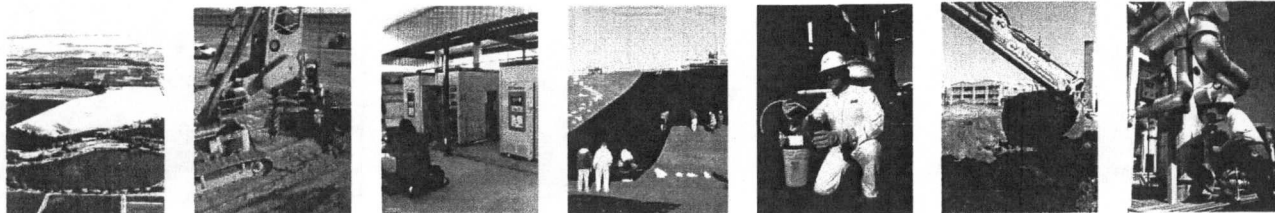
File No. 09199033.12

December 24, 2003
Revised June 4, 2007

Offices Nationwide
www.scsengineers.com

FIVE

SCS ENGINEERS



Operation Permit Modification to Include Phase II Section I Landfill Expansion

Presented to:
Hardee County



Solid Waste Department
685 Airport Road
Wauchula, Florida 33873
(863) 773-5089

Presented by:

SCS ENGINEERS
4041 Park Oaks Blvd., Suite 100
Tampa, Florida 33610
(813) 621-0080

June 4, 2007
File No. 09199033.12

Offices Nationwide
www.scsengineers.com

Memorandum

Florida Department of
Environmental Protection
Solid Waste Section

TALLAHASSEE SOLID WASTE PROGRAM
PERMIT APPLICATION/TECHNICAL SUBMITTAL/DOCUMENT FORWARDING MEMO

| | | |
|-----|---|---|
| TO: | X | Richard Tedder, P.E. Solid Waste Program Administrator |
| | | Lee Martin, P.E., Solid Waste Section, FDEP Tallahassee |
| | | Fred Wick, Solid Waste Section, FDEP Tallahassee |
| | | Jan Rae Clark, Solid Waste Section, FDEP Tallahassee |
| | | Francine Joyal, Solid Waste Section, FDEP Tallahassee |
| | | Chris McGuire, Solid Waste Program Attorney, OGC |
| | | |

DATE: 06/05/2007

The following attached permit application/ technical submittal/document(s) are being forwarded from the Southwest District Solid Waste Program to the Tallahassee Solid Waste Program:

DOCUMENT/SUBMITTAL

DATE

Certification of Construction Completion Report
Hardee County Landfill Phase II, Section I Landfill
Expansion, prepared by SCS Engineers

Two -
3-ring
binders

June 4, 2007
(rec'd 6/5/07)

Hardee County Landfill Expansion Construction
Drawings Phase II Section I, prepared by SCS
Engineers

One plan set
(16 sheets)

May 2007
(rec'd 6/4/07)

COPY/FYI ONLY X

FOR YOUR REVIEW

FOR YOUR REVIEW & COMMENT BY

COMMENTS:

Permitting Application - Events

88 of 90

Events Scheduled

Site # 0030414 Site Name HARDEE COUNTY REGIONAL LANDFILL (LF1)

Permit # Type/Subtype S0 / 01 Received 06/05/2007

Project # 011 Project Name HARDEE PHASE II SECT 1 OPERATI

> Completeness Review: Pending

| Event | Begin Date | Period | Due Date | Rmn | Status | End Date |
|---------------------------------|------------|--------|------------|-----|---------------|------------|
| Fee Verification | 06/05/2007 | 2 | 06/07/2007 | | Excessive Fee | 06/07/2007 |
| Completeness Review | 06/05/2007 | 30 | 07/05/2007 | | Incomplete | 07/03/2007 |
| RESET CLOCK | 07/03/2007 | 1 | 07/04/2007 | | Done | 07/03/2007 |
| Awaiting Additional Information | 07/03/2007 | 45 | 08/17/2007 | | Received | 10/01/2007 |
| Completeness Review | 10/01/2007 | 30 | 10/31/2007 | | Incomplete | 10/31/2007 |
| RESET CLOCK | 10/31/2007 | 1 | 11/01/2007 | | Done | 10/31/2007 |
| Awaiting Additional Information | 10/31/2007 | 91 | 01/30/2008 | | Received | 01/30/2008 |
| Completeness Review | 01/30/2008 | 30 | 02/29/2008 | | Incomplete | 02/28/2008 |
| RESET CLOCK | 02/28/2008 | 1 | 02/29/2008 | | Done | 02/28/2008 |
| Awaiting Additional Information | 02/28/2008 | 28 | 03/27/2008 | | Received | 03/11/2008 |
| Completeness Review | 03/11/2008 | 30 | 04/10/2008 | 27 | Pending | |

| Events Scheduled | | 90 | of | 90 |
|------------------|---------|--------------|---------------------------------------|----------|
| Site # | 0038414 | Site Name | HARDEE COUNTY REGIONAL LANDFILL (LF1) | |
| Permit # | | Type/Subtype | SO / 01 | Received |
| Project # | 011 | Project Name | HARDEE PHASE II SECT 1 OPERATI | |

> Receive Request: Done

| Event | Begin Date | Period | Due Date | Rmn | Status | End Date |
|---|------------|--------|------------|-----|---------------|------------|
| Receive Request | 06/05/2007 | 1 | 06/06/2007 | | Done | 06/05/2007 |
| Fee Verification | 06/05/2007 | 2 | 06/07/2007 | | Excessive Fee | 06/07/2007 |
| Completeness Review | 06/05/2007 | 30 | 07/05/2007 | | Incomplete | 07/03/2007 |
| RESET CLOCK | 07/03/2007 | 1 | 07/04/2007 | | Done | 07/03/2007 |
| Awaiting Additional Information | 07/03/2007 | 45 | 08/17/2007 | 38 | Pending | |
| Fee refund less than or equal to \$200.00 | 06/07/2007 | 1 | 06/08/2007 | 32 | Pending | |
| Publish Notice of Application | 06/07/2007 | 14 | 06/21/2007 | 19 | Pending | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Permitting Application - Events

90 of 90

Events Scheduled

Site # 0038413 Site Name HARDEE COUNTY REGIONAL LANDFILL (LF1)

Permit # Type/Subtype SO / 01 Received 06/05/2007

Project # 011 Project Name HARDEE PHASE II SECT 1 OPERATI

> RESET CLOCK: Done

| Event | Begin Date | Period | Due Date | Rmn | Status | End Date |
|---|------------|--------|------------|------|---------------|------------|
| Receive Request | 06/05/2007 | 1 | 06/06/2007 | | Done | 06/05/2007 |
| Fee Verification | 06/05/2007 | 2 | 06/07/2007 | | Excessive Fee | 06/07/2007 |
| Completeness Review | 06/05/2007 | 30 | 07/05/2007 | | Incomplete | 07/03/2007 |
| RESET CLOCK | 07/03/2007 | 1 | 07/04/2007 | | Done | 07/03/2007 |
| Awaiting Additional Information | 07/03/2007 | 45 | 08/17/2007 | | Received | 10/01/2007 |
| Completeness Review | 10/01/2007 | 30 | 10/31/2007 | | Incomplete | 10/31/2007 |
| RESET CLOCK | 10/31/2007 | 1 | 11/01/2007 | | Done | 10/31/2007 |
| Awaiting Additional Information | 10/31/2007 | 45 | 12/15/2007 | 45 | Pending | |
| Fee refund less than or equal to \$200.00 | 06/07/2007 | 1 | 06/08/2007 | -145 | Pending | |
| Publish Notice of Application | 06/07/2007 | 14 | 06/21/2007 | -132 | Pending | |
| | | | | | | |

| Permitting Application - Events | | | | | | |
|--|------------|--------------|---------------------------------------|-----|---------------|----------------------|
| Events Scheduled | | | | | | |
| Site # | 0038414 | Site Name | HARDEE COUNTY REGIONAL LANDFILL (LF1) | | | |
| Permit # | | Type/Subtype | SO | / | 01 | Received: 06/05/2007 |
| Project # | 011 | Project Name | HARDEE PHASE II SECT 1 OPERATI | | | |
| <input type="button" value="Receive Request: Done"/> | | | | | | |
| Event | Begin Date | Period | Due Date | Rmn | Status | End Date |
| Receive Request | 06/05/2007 | 1 | 06/06/2007 | | Done | 06/05/2007 |
| Fee Verification | 06/05/2007 | 2 | 06/07/2007 | | Excessive Fee | 06/07/2007 |
| Completeness Review | 06/05/2007 | 30 | 07/05/2007 | | Incomplete | 07/03/2007 |
| RESET CLOCK | 07/03/2007 | 1 | 07/04/2007 | | Done | 07/03/2007 |
| Awaiting Additional Information | 07/03/2007 | 46 | 08/17/2007 | 36 | Pending | |
| Fee refund less than or equal to \$200.00 | 06/07/2007 | 1 | 06/08/2007 | 34 | Pending | |
| Publish Notice of Application | 06/07/2007 | 14 | 06/21/2007 | 21 | Pending | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Florida Department of Environmental Protection - Enterprise Applications

Query Coll Epts Rptd Edit CRA Window

ORACLE

Cash Receiving Application - Collection Point Log Remittance

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

Collection Point Log Remittance

Remittance ID **735629** Type **CP** Received Date **06/05/2007** Status **RECEIVED**

System Receipt **590337** PNR Check # **1112** Amount **250.00**

SSN/FEID Name **STEARNS CONRAD AND SCHMIDT**

First Middle Title Suffix

Address1 **4041 PARK OAKS BLVD.**

Address2 **SUITE 100**

City **TAMPA** ST **FL** Zip **33610 9501**

Country Short Comments **SO 38414-011**

PAYMENT(S)

| Payment ID | CL Area | Code/Description | Payment Amount | Reference# | Appl | Fund * | Status |
|---------------|------------|-------------------------------|-----------------|------------|-----------|-------------|-----------------|
| 824678 | SWD | 002245 SOLID WASTE-OPE | \$250.00 | | PA | PFTF | COMPLETE |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

COMMIT FREQUENTLY **\$250.00** Payment Total

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

start [Icons] [Inbox - M...] [4 Intern...] [Documen...] 6:17 AM

Florida Department of Environmental Protection - Enterprise Applications

Permits Events Payment BISTAPA Data Entry Site Facility ME Party Application Ltr Help Edit W

ORACLE

Permitting Application - Permit Detail and Log Permit

SITE Permit

Site Name **HARDEE COUNTY REGIONAL LANDFILL (LF1)** Site # **0038414**

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

Project

Permit # Project # **011** Received **06/05/2007** CRA # **288016**

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

Project Name **HARDEE PHASE II SECT 1 OPERATI** Desc

Type/Sub/Des **SO / 01 SANI. LANDFILL CLASS I** COE #

Logged **06/07/2007** Issued Expires OGC

Fee **100.00** Fee Recd **100.00** Dele Override **SMALL CO. WAIV**

Related Party

Role **APPLICANT** Begin **06/07/2007** End

Name **CARVER, TERESA** Company **HARDEE COUNTY SOLID WASTE DEPT.**

Address **675 AIRPORT ROAD**

City **WAUCHULA** State **FL** Zip **33873** Country **U.S.A.**

Phone **941-773-5089** Fax **941-773-3907** Email

Processors

Processor **PELZ_S** Active **06/07/2007** Inactive Events

Enter 'Y' if this is the PRIMARY processor.

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**Florida Department of
Environmental Protection**

Memo

To: Deborah A. Getzoff

From: Roger Evans

Date: February 4, 2008

Re: Request for refund of attached application fee.

Project: Hardee Phase II Section I Operation

Please issue a request for refund of the attached application fee. The amount of refund is \$ 150.

Listed below is the reason for the refund.

Over payment due to small county waiver

deb/9/29/99

PELZ

**Southwest District
Permitting Application**

New Site

| | | |
|---|-------------|---------------|
| Site Name: | | |
| Site ID: | | |
| County: | | |
| Type/Subcode: | | |
| Fee submitted: | () correct | () incorrect |
| Total Fee Required \$ _____ Need \$ _____ Refund \$ _____ | | |

Existing Site

| | | |
|--|-------------|---|
| Site ID: 38414-011 | | |
| Project Name: Harder Phase II Sect I operation | | |
| Type/Subcode: 50 01 | | |
| Fee submitted: \$250 | () correct | <input checked="" type="checkbox"/> incorrect |
| Total Fee Required \$ 100 Need \$ _____ Refund \$ 150 Small county fee waiver | | |

Applicant Information

| | |
|---------------------|-----------------|
| Name: Teresa Carver | |
| Role: Applicant | |
| Company: ON file | |
| Address: ON file | |
| City: _____ | Zip Code: _____ |
| Phone: _____ | |

Fee verified by: PELZ

Application Assigned To: PELZ

EVANS

Date: ~~6/7/07~~

6/7/07