

Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

October 22, 2001

PERMITTEE:

Hardee County Board of
County Commissioners
Ms. Janice Williamson,
Solid Waste Superintendent
685 Airport Road
Wauchula, FL 33873

Re: Modification #38414-005 to existing Operation Permit
Permit No.: 38414-002-SO, Hardee County
Hardee County Class I Landfill

Dear Ms. Williamson:

Your existing operation permit No. 38414-002-SO is hereby modified as follows:

EXPIRATION DATE:

FROM:

June 10, 2002

Specific Conditions 3.b. and
17.e.

TO:

November 19, 2003

These conditions deleted and
no longer needed. Tank
installations completed and
certification provided. The
current permit conditions
include operation of the
tanks.

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

Sincerely

Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kbf/ab
Attachments

"More Protection, Less Process"

Printed on recycled paper.



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PERMITTEE

Hardee County Board of
County Commissioners
Ms. Janice Williamson,
Solid Waste Superintendent
685 Airport Road
Wauchula, Fl 33873

PERMIT/CERTIFICATION

GMS ID No: 4025C30001
Permit No: 38414-002-SO
Date of Issue: 11/19/98
Expiration Date: 11/19/2003
County: Hardee
Lat/Long: 27°34'10"N
81°47'01"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) 62-3, 62-4, 62-302, 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 a Class I landfill and related facilities (approximately 12.5 acres), referred to as the Hardee County Regional Landfill, subject to the specific and general conditions attached, located at 675 Airport Road, east of the City of Wauchula, Hardee County, Florida. The specific conditions attached are for the operation of:

1. Class I Landfill Disposal Facility
2. Special Waste Management

General Information - Active Site:

Maximum elevation (including cover): +140 feet NGVD [Sheet 7, SC#2:i(2)]
Disposal Acreage: 12.5ac.
Est. Date of Closure: March 2004 [SC#2.d., page 3-4]
Bottom Liner, Leachate Collection System:
In-situ clay bottom w/geosynthetic sidewalls.
Perimeter leachate collection system.

Replaces Permit No.: S025-214306

Includes Modification Number: 38414-004-SO dated 08/10/2001.

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

GENERAL CONDITIONS:

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

GENERAL CONDITIONS:

(General Condition #7, cont'd)

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

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

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

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

(a) A description of and cause of noncompliance; and

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

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

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

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

11. This permit 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.

GENERAL CONDITIONS:

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

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

(c) Records of monitoring information shall include:

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

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.

PERMITTEE: Hardee County BOCC
Ms. Janice Williamson, SW Superintendent

PERMIT NO: 38414-002-SO
Class I LF Operation

GENERAL CONDITIONS:

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

(a) All reports or information required by the Department shall be certified as being true, accurate and complete.

(b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance, and all information required by Rule 62-28.230(4)(b), F.A.C.

(d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the State.

GENERAL CONDITIONS:

17. The following conditions also shall apply to a hazardous waste facility permit.

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.
2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

(c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

1. **Landfill Designation.** This site shall be classified as a Class I landfill and shall be operated in accordance with all applicable requirements of Chapters 62-3, 62-4, 62-302, 62-330, 62-520, 62-522, and 62-701, Florida Administrative Code (F.A.C.), and all applicable requirements of Department Rules.
2. **Permit Application Documentation.** This permit is valid for operation of the Class I landfill and related facilities in accordance with Department rules, the conditions of this permit, and the reports, plans and other information, submitted by Post, Buckley, Schuh and Jernigan, Inc. (PBSJ) (or as otherwise noted) as follows:
 - a. Hardee County Regional Landfill, Application for Renewal of Operation Permit, dated March 1997 (received March 11, 1997);
 - b. Additional information dated April 29, 1997 (received April 30, 1997);
 - c. Additional information (concerning groundwater contour maps) dated May 8, 1997 (received May 9, 1997);
 - d. Response to Request for Additional Information dated May 28, 1997 for the Renewal of Operations Permit..., dated June 1997 (received June 27, 1997);
 - e. Additional information (concerning evaluation of existing LCS) dated November 24, 1997 (received December 1, 1997);
 - f. Response to Request for Additional Information dated July 25, 1997 for the Renewal of Operations Permit..., dated December 31, 1997 (received January 2, 1998);
 - g. Response to Request for Additional Information dated January 30, 1998 for the Renewal of Operations Permit..., dated April 24, 1998 (received April 27, 1998), including, but not limited to, Section 7, "Landfill Operation Requirements";
 - h. Response to Request for Additional Information dated January 30, 1998 for the Application for Construction Permit..., dated April 24, 1998 (received April 27, 1998), including the following information as appropriate:
 - 1) Information concerning Section 8, "Water Quality and Leachate Monitoring Requirements" and Appendix D, "Water Quality Monitoring Plan Modification,"
 - 2) Section 5, "Landfill Construction Requirements" (Attachment B), and
 - 3) Proposed Surface Water Sampling Point (Attachment S);

SPECIFIC CONDITIONS:

(Specific Condition #2. cont'd)

i. Plan Sheets entitled, Hardee County Regional Landfill Operations Permit Renewal, dated March 1997 including the following sheets:

- 1) Aerial Surveys received April 30, 1997:
 - a) Sheet 2A of 5
 - b) Sheet 2B of 5
 - c) Sheet 3A of 5
 - d) Sheet 3B of 5
- 2) The following sheets signed and sealed June 26, 1997 (received June 27, 1997):
 - a) Sheet 6, "Sequencing Plan, Sequence 1 through Sequence 6";
 - b) Sheet 7, "Sequencing Plan, Sequence 7 and Details";
 - c) Sheet 8, "Cross Sections".
- 3) Sheet 4 of 5, "Site Plan" as revised June 1997 (received June 27, 1997); and
- 4) Sheet 5 of 5, including revisions April, June and August 1997, "Gas Management System and Miscellaneous Details at Closure" (received January 2, 1998).

j. Information concerning modified sequence of filling, prepared by SCS Engineers, Inc., as follows (replaces previous information as appropriate):

- 1) "Hardee County Landfill Operations Modification,..." information dated December 13, 2000 (received December 13, 2000);
- 2) "Response to Florida Department of Environmental Protection Comments, Hardee County Class I Landfill Modification of Sequence of Filling,..." dated May 11, 2001 (received May 14, 2001);
- 3) Plans titled, Hardee County Landfill Minor Operational Fill Sequence Revisions (9 sheets), dated May 2001 (received May 14, 2001);

New 08/10/2001.

k. and in accordance with applicable Department rules.

New 08/10/2001.

SPECIFIC CONDITIONS:

3. Permit Modifications.

a. Any activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. 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 does not authorize the operation of the leachate storage tanks system until the Certification of Construction Completion and supporting documentation has been specifically approved, in writing, by the Department. Operation of this system shall require a minor modification of this permit.~~
~~Deleted 10/22/2001 .~~

4. Permit Renewal.

a. No later than one hundred eighty (180) days before the expiration of this Operation Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.330(3), F.A.C.

b. The slope stability of the proposed 3H:1V slopes for the baled waste shall be evaluated specifically in the permit renewal application, if 3H:1V slopes are proposed for the final closure design. The interface friction angle of the bales shall be estimated, modeled, or otherwise determined in order to provide reasonable assurance that the bales, when placed at a 3H:1V slope in an undrained condition, including equipment loading, will not present a risk of failure with a reasonable factor of safety.
New 08/10/2001 .

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

6. Special Wastes.

a. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the information listed in Specific Condition #2.g., Section 7; 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.

b. Large items such as mattresses, televisions, microwaves, sofas, other furniture, etc. shall be baled and disposed with other baled wastes or disposed in the loose waste active face. [ref. Specific Conditions (SC)#2.f., page 2, and #2.d., page 4] In the event that special handling of bulky wastes is required, the Department shall be notified and a minor modification of the Operations Plan may be required to incorporate those management procedures.

SPECIFIC CONDITIONS:

(Specific Condition #6. cont'd)

c. **Household hazardous waste (HHW) management.** HHW shall be managed as indicated in the information submitted in Specific Condition #2.g., above, and the conditions below.

- 1) At least weekly, spillage at the HHW Collection Center Facility shall be removed and properly packaged for disposal.
- 2) Liquids shall not be discharged outside of the containment structures of the HHW Collection Center.
- 3) Non-latex paints shall not be air dried.
- 4) Materials shall be stored within containment areas at all times.
- 5) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility and copies provided to the Department upon request.

d. **White Goods.** White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked.

e. **Scrap Metal.** 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. Scrap metals shall be stored on an impervious surface. [ref. SC#2.d., page 5]

f. **Lawn Mowers.** Lawn mowers which contain oil or gasoline shall not be accepted. [ref. SC#2.g., page 7-3]

g. **Asbestos.** Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C.; the information listed in Specific Condition #2.d., Section 9; and all other applicable federal and Department rules.

h. **C&D Debris.** Construction and demolition debris may be disposed within the lined, Class I disposal cell, subject to the following:

- 1) The C&D debris shall be disposed in a separate area of the Class I cell, as indicated in the Sequencing Plan Sheets [ref. SC#2.i(2), above].

SPECIFIC CONDITIONS:

(Specific Condition #6.h. cont'd)

- 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) Within 90 days of issuance of this permit, the previous C&D debris disposal area shall be covered with a minimum of 24 inches of soil, compacted and sloped to promote drainage and a vegetative cover shall be established. The permittee shall notify the Department when these activities are complete.
- 4) No C&D debris shall be placed in Sequence #7 [ref. SC#2.i(2), and #2.f.(page 2)].
- 5) C&D debris shall not be placed in areas with ponded leachate. The C&D debris disposal area within the Class I disposal cell (shown in the Sequencing Plans, SC#2.i(2)) shall be dry prior to the disposal of any C&D debris. [ref. SC#2.d., page 2, and #2.g., page 7-2,]
- i. **Yard Trash.** Yard trash shall be processed at least once every six months. [ref. SC#2.d, page 5 and #2.g., page 7-3] Processed yard trash and wood wastes which do not include painted or treated wood may be used for sideslope stabilization and erosion control in the Class I Landfill. Yard trash shall not be disposed in the Class I Landfill.
7. **Landfill Operation Requirements.**
 - a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information submitted in the references listed in Specific Condition #2, above; and applicable Department rules.
 - b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner system at any time during the construction or operation of this facility.
 - c. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation.
 - d. Litter shall be collected and disposed in the Class I Landfill at least weekly, or more frequently if necessary.
8. **Operating Personnel.** As required by Rules 62-701.500(1) and 62-701.730(8), F.A.C., at least one trained operator shall be at the Class I and C&D landfills at all times when the landfill receives waste. At least one trained spotter shall be at each working face (i.e. C&D and loose waste) when waste is received. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

SPECIFIC CONDITIONS:

9. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rules 62-701.500(2) and 62-701.730, F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rules 62-701.500(3) and 62-701.730, F.A.C., are part of the operations plan, and shall also be maintained at the site.

10. **Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with the Sequencing Plans [ref. SC#2.j(3), above], except as specified herein.

Amended 08/10/2001.

b. This modified permit authorizes Fill Sequences 1 and 2 only (Sheets 4 and 5 of 9, [ref. SC#2.j(3)]). Later filling sequences which include placement of baled waste at (or to construct) slopes greater than 4H:1V are not authorized, at this time.

New 08/10/2001.

11. **Waste Records.**

a. Records shall be maintained as required by Rules 62-701.500(4), and 62-701.500(13), F.A.C., and the conditions of this permit. These records shall be maintained onsite, and copies provided to the Department upon request.

b. The owner or operator shall conduct a survey of the Class I disposal area, and shall estimate the remaining disposal capacity and site life as required by Rule 62-701.500(13)(c). **Annually, no later than April 15th**, a copy of this survey, and supporting capacity calculations, signed and sealed by a registered professional engineer or land surveyor, as appropriate, shall be submitted to the Department. A topographic survey shall be conducted, and submitted with the permit renewal application required by Specific Condition #4.

12. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Pursuant to Rule 62-701.500(12), F.A.C., the landfill shall have onsite roads which are maintained to allow access to monitoring devices and stormwater controls, for landfill inspections and for fire fighting.

13. **Monitoring of Waste.** Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous waste is a waste as defined in Chapter 62-730, F.A.C. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C.

SPECIFIC CONDITIONS:

14. Waste Handling Requirements.

- a. All solid waste disposed of in the Class I area shall be covered as required by Rule 62-701.500(7), F.A.C. Initial cover shall be applied and maintained daily in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C.
- b. Alternate daily cover materials shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary cover or tarpaulin.
- c. Areas which have significant vegetation shall be mowed as needed to provide adequate access for inspection and sampling activities.
- d. The owner or operator shall conduct three random load checks per week on wastes which are not processed at the MRF and will be disposed in the "loose waste" working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. [ref. SC#2.g., pages 7-8 and 7-12]
- e. Soil materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.
- f. Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

15. Working Face.

- a. As required by Rule 62-701.500(7)(d), F.A.C., the owner or operator shall minimize the size of each working face to minimize leachate and the unnecessary use of cover material. The landfill may have 2 working faces, 1-"loose waste" and the other baled waste. C&D debris which has been mixed or commingled with other wastes is no longer considered to be C&D debris, and shall be disposed of as Class I waste.
Amended 08/10/2001.

SPECIFIC CONDITIONS:

(Specific Condition #15. cont'd)

b. Berms and swales as shown on the Sequencing Plans [ref. SC#2.i(2)] shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the bermed working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to prevent erosion.

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

17. **Leachate Management.**

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

b. 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. Since the current agreement expires January 11, 1999 [ref. SC#2.b., Attachment 7-4], this renewal information shall be submitted initially, **no later than December 12, 1998.**

c. In the event that the primary leachate disposal facility (i.e. City of Wauchula POTW) becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW [ref. SC#2.g., page 7-24], or in accordance with an alternate schedule approved by the Department.

d. Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th** each year.

1) Leachate generation reports shall include precipitation amounts, 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.

SPECIFIC CONDITIONS:

(Specific Condition #17. cont'd)

e. ~~As part of the submittal for the Certification of Construction Completion for the new leachate storage tanks system (required by Specific Condition #13 of Permit Number 38414-001-SC), the permittee shall request a modification to this operating permit to include specific conditions for the operation of the new leachate storage tanks system.~~

Deleted 10/22/2001.

f. Leachate which has accumulated in low areas within the disposal area shall be removed **daily**, for off-site disposal or storage in the leachate storage tanks system.

g. Prior to permit renewal, an inspection, videotape or other appropriate assessment as approved by the Department, of the leachate collection system (LCS) shall be conducted. A report summarizing the results of this inspection shall be submitted to the Department **with the permit renewal application**. 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 and schedule for implementation of corrective actions as appropriate. The permittee shall retain the videotape at the facility for reference and shall provide a copy to the Department upon request.

h. For normal operations when both tanks are in use, each leachate storage tank shall contain no greater than 50% of the maximum capacity for each tank. In the event that the storage tanks contain greater than 50% of the maximum capacity for each tank, the owner or operator shall increase the quantity of leachate which is removed for off-site disposal each day in order to restore sufficient storage capacity and resume normal operations.

i. In the event of an emergency (i.e. substantial rainfall event), the maximum capacity of the tanks may temporarily be utilized. However, **within 2 weeks** of the emergency event, the operator shall ensure that sufficient storage capacity has been restored in the storage tanks system to resume normal operations.

j. **Tank Manufacturer's Inspection.**

1) The leachate storage tanks shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C.

SPECIFIC CONDITIONS:

(Specific Condition #17.j. cont'd)

2) Additionally, the permittee shall arrange for the tank manufacturer's initial inspection of the tank. This inspection shall be conducted no later than one (1) year after the tank's initial use. A copy of the manufacturer's inspection report shall be submitted to the Department within 30 days of the inspection. In the event that deficiencies are noted in the inspection report, the permittee shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

k. The leachate storage tanks and LCRS shall be inspected at least weekly [ref. SC #2.h(2), pages 5-7 and 5-8].

18. Landfill Gas - NSPS and Title V Air Requirements.

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

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

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, FL 32399-2400 any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

19. Gas Management and Monitoring.

a. Landfill gas shall be monitored as required by Rule 62-701.500(9), F.A.C. Landfill gas collection, monitoring and recovery systems shall be operated to comply with Rules 62-701.400(10) and (11), F.A.C., respectively.

SPECIFIC CONDITIONS:

(Specific Condition #19. cont'd)

b. The results of the quarterly monitoring as required by Rule 62-701.400(10)(c)2, F.A.C., shall be submitted by the following dates:

Quarter 1	April 15th
Quarter 2	July 15th
Quarter 3	October 15th
Quarter 4	January 15th

20. **Gas Monitoring Locations.** The gas monitoring probes GP-1 through GP-9 are shown on Sheet 5 of 5 in the Plan Sheets entitled, "Gas Management System and Miscellaneous Details at Closure," as revised April, June and August 1997 (received January 2, 1998), prepared by PBS&J. These probes, and the following structures shall be sampled **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in Rule 62-701.400(10)(c), F.A.C.:

Maintenance Building
Materials Recovery Facility
Scalehouse/Administrative Offices
Kennel

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

22. **Waste Burning.** Open burning of solid waste is prohibited except in accordance with Rule 62-701.520(2), F.A.C. Controlled burning of solid waste is prohibited at this site except for clean vegetative and wood wastes which may be burned in a permitted air curtain incinerator in accordance with Rule 62-2.500(1)(e), F.A.C. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Protection.

23. **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 either (whichever occurs first):

a. 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

b. **Within sixty (60) days** of completion of Sequence #4 [ref. SC#2.i(2)].

SPECIFIC CONDITIONS:

24. **Financial Assurance.** The permittee shall provide financial assurance for this landfill site in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure and long-term care shall be adjusted and submitted **annually, by September 1st** each year, to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

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

Amended 08/10/2001.

25. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control mosquitoes and rodents or request such control measures from the local mosquito control office, so as to protect the public health and welfare.

26. **Facility Maintenance and Repair.** The site shall be properly maintained including erosion control, maintenance of grass cover, prevention of ponding, gas venting and monitoring systems repairs, groundwater monitoring system repairs, and repair and maintenance of leachate collection and removal systems, including leachate storage tanks system.

a. In the event of damage to any portion of the landfill site facilities or failure of any portion of the landfill systems (except routine equipment maintenance), the permittee shall **immediately (within 24 hours)** notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification shall be submitted to the Department **within seven (7) days** following the occurrence.

b. In the event that any portion of the groundwater monitoring system is damaged, remedial measures shall be completed within **sixty (60) days** of the written notification specified in Specific Condition #26.a. above, unless otherwise approved by the Department.

SPECIFIC CONDITIONS:

(Specific Condition #26. cont'd)

c. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented within **thirty (30) days** of the written notification specified in Specific Condition #26.a. above, unless otherwise approved by the Department.

d. Repairs shall be initiated within 48 hours of detection of significant erosion in intermediately covered areas, or areas which discharge to the stormwater management system [ref. SC#2.6., page 10]. For the purposes of compliance with this Specific Condition, "significant" means that either:

- 1) the soil cover materials have eroded such that greater than 50% of the soil in that location has been eroded, or
- 2) waste is exposed.

27. **Stormwater System Management.** The landfill shall have a surface water management systems designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C.

28. **Water Quality Requirements.** Landfills shall be designed, constructed, operated, maintained, closed, and monitored throughout its design period to control the movement of waste and waste constituents into the environment so that groundwater and surface water quality standards and criteria of Chapters 62-4, 62-302, and 62-520, F.A.C., will not be violated beyond the zone of discharge specified for the landfill.

29. **Water Quality Monitoring Quality Assurance.**

a. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, 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.

SPECIFIC CONDITIONS:

(Specific Condition #29. cont'd)

b. All field and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted by a firm possessing a Quality Assurance Project Plan or a Comprehensive Quality Assurance Plan approved by the Department to meet the requirements of Chapter 62-160, F.A.C. The Quality Assurance Plan must specifically address the types of sampling and analytical work that is required by the permit. The Quality Assurance Plan shall be required of all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit. Documentation of an approved QAP shall be submitted with the first water quality reports conducted by either a new sampling organization or a new laboratory. Documentation shall include the completed signature page and the Table of Contents of the approved plan.

30. Zone of Discharge.

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

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to Rules 62-520.400 and 62-520.420, F.A.C.

31. Leachate Sampling. Leachate shall be sampled from Manhole 1 (see Sheet 4 of 5, ref. SC#2.i(3)) of the leachate collection system, and analyzed **every 6 months** for the following monitoring parameters:

Field parameters
Specific Conductivity
pH
Dissolved oxygen
Colors, sheens
(by observation)

Laboratory parameters
Total Ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total Dissolved Solids (TDS)
Those parameters listed in
40 CFR Part 258, Appendix I

SPECIFIC CONDITIONS:

(Specific Condition #31. cont'd)

In addition, leachate shall be sampled and analyzed annually for the parameters listed in 40 CFR Part 258, Appendix II. If this annual analysis indicates that a contaminant listed in 40 CFR 261.24 exceeds the regulatory level listed therein, the permittee shall initiate a monthly sampling and analysis program. If in any three consecutive months the same listed contaminant exceeds the regulatory level, the permittee shall, within 90 days, initiate a program designed to identify the source and reduce the presence of the contaminant in the leachate so that it no longer exceeds the regulatory level. This program may include additional monitoring of waste received and additional up-front separation of waste materials. Any leachate which is not recirculated or taken to a permitted industrial or domestic wastewater treatment facility shall be treated or managed so that no contaminant exceeds the regulatory level.

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.

32. **Surface Water Sampling.** Samples shall be collected every 6 months from location SW-1, (see Attachment S, ref. SC#2.h(3)). The samples shall be analyzed for the following parameters:

Field parameters

Specific Conductivity
pH
Dissolved Oxygen
Turbidity

Temperature
Colors and sheens
(by observation)

Laboratory parameters

Zinc
Unionized Ammonia
Total Hardness
Biochemical Oxygen Demand (BOD₅)
Copper
Iron
Mercury
Nitrate

Total Dissolved Solids (TDS)
Total Organic Carbon (TOC)
Fecal Coliform
Total Phosphorous
Chlorophyll A
Total Nitrogen
Chemical Oxygen Demand(COD)
Total Suspended Solids (TSS)
Those parameters listed in
40 CFR Part 258, Appendix I

Additional samples, monitoring points, and parameters may be required based upon subsequent analysis.

PERMITTEE: Hardee County BOCC
Ms. Janice Williamson, SW Superintendent

PERMIT NO: 38414-002-SO
Class I LF Operation

SPECIFIC CONDITIONS:

33. **Groundwater Monitoring Well and Piezometer Locations.** The groundwater monitoring wells shall be located as shown on the Site Plan, Attachment S [ref. SC#2.h(3)] (attached to this permit). All existing site wells and piezometers shall be kept in working condition in case they may be useful at a later date. The following monitoring wells are required to be sampled:

<u>Well No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1	Surficial	Detection	See Attached Site Plan
MW-2	Surficial	Detection	"
MW-4	Surficial	Background	"
MW-5	Surficial	Detection	"
MW-8*	Surficial	Detection	"
MW-9*	Surficial	Detection	"

<u>Piezometer</u>	<u>Location</u>
P-1	See Attached Site Plan
P-2	"
P-3	"
P-4	"
P-5	"
P-6	"
P-9	"
P-10	"
P-11	"
P-15*	"
P-16*	"

*Well/Piezometer to be constructed.

All wells and piezometers are to be clearly labeled and easily visible at all times.

SPECIFIC CONDITIONS:

34. **Groundwater Sampling.** All wells listed in Specific Condition No. 33 shall be sampled and analyzed **semi-annually** for the groundwater monitoring parameters listed as follows:

<u>Field parameters</u>	<u>Laboratory parameters</u>
Static Water Level before purging	Total Ammonia - N
Specific Conductivity	Chlorides
pH	Iron
Dissolved Oxygen	Mercury
Turbidity	Nitrate
Temperature	Sodium
Colors and sheens (by observation)	Total Dissolved Solids (TDS)
	Those parameters listed in 40 CFR Part 258, Appendix I

Semi-annually, Monitoring wells MW-6 and MW-7 shall be measured for groundwater elevations and specific conductivity only.

Semi-annually, all piezometers listed in Specific Condition No. 33 shall be measured for ground water and leachate elevations. [ref. SC #2.g, page 7-17]

Additional samples, wells, and parameters may be required based upon subsequent analysis. Compliance with groundwater standards will be based on analysis of unfiltered samples.

35. **Groundwater Monitoring Well Construction.** New wells MW-8 and MW-9, and new piezometers P-15 and P-16 must be constructed and documentation submitted in accordance with Permit No. 38414-001-SC. Any other new wells must be approved by the DEP in a permit modification, and the following information submitted:

a. Documentation of the following for each well installed:

Well Identification	Boring (Lithology) Log
Aquifer monitored	Total depth of well
Screen type and slot size	Casing diameter
Screen length	Casing type and length
Screen diameter	SWFWMD well construction permit Nos.
Elevation at top of casing	Elevation at ground surface

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

SPECIFIC CONDITIONS:

(Specific Condition #35, cont'd)

c. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells (active and abandoned) and surface water monitoring stations horizontally located in degrees, minutes and seconds of latitude and longitude, the Universal Transverse Mercator coordinates, and the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the surface water and monitor well 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.

d. All wells not a part of the approved Water Quality Monitoring Plan are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District. The permittee shall submit a written report to the Department providing verification of the well abandonment. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

36. **Assessment Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria at the edge of the zone of discharge, the permittee has 15 days 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 representative of current groundwater conditions at the facility, and assessment monitoring/corrective action as described in Rule 62-701.510(7), F.A.C., shall be initiated.

37. **Water Quality Reporting Requirements.** All leachate, surface water and groundwater quality monitoring shall be reported on the Department Form 62-522.900(2), Groundwater Monitoring Report (attached). This report shall contain all items listed in Rule 62-701.510(9)(a), F.A.C. The permittee shall submit to the Department the results of the analysis by **January 15th and July 15th**. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

PERMITTEE: Hardee County BOCC
Ms. Janice Williamson, SW Superintendent

PERMIT NO: 38414-002-SO
Class I LF Operation

SPECIFIC CONDITIONS:

38. **Groundwater Monitoring Plan Evaluation.** Every two years and prior to 90 days before the expiration of the Department Permit, the permittee shall submit an evaluation of the Groundwater Monitoring Plan as per Rule 62-701.510(9)(b), F.A.C. The evaluation shall include the applicable information as required by Rule 62-701.510(9), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of groundwater contamination. Any groundwater contamination that may exist, shall be addressed as part of a groundwater investigation for the landfill assessment. The Groundwater Monitoring Plan shall be adequate to monitor any modifications to the existing landfill site including but not limited to closure. The first evaluation shall be submitted to the Solid Waste Section of the Department by July 1, 2000.

39. **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.

40. **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.

41. **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 to fail to comply with all conditions and deadlines.

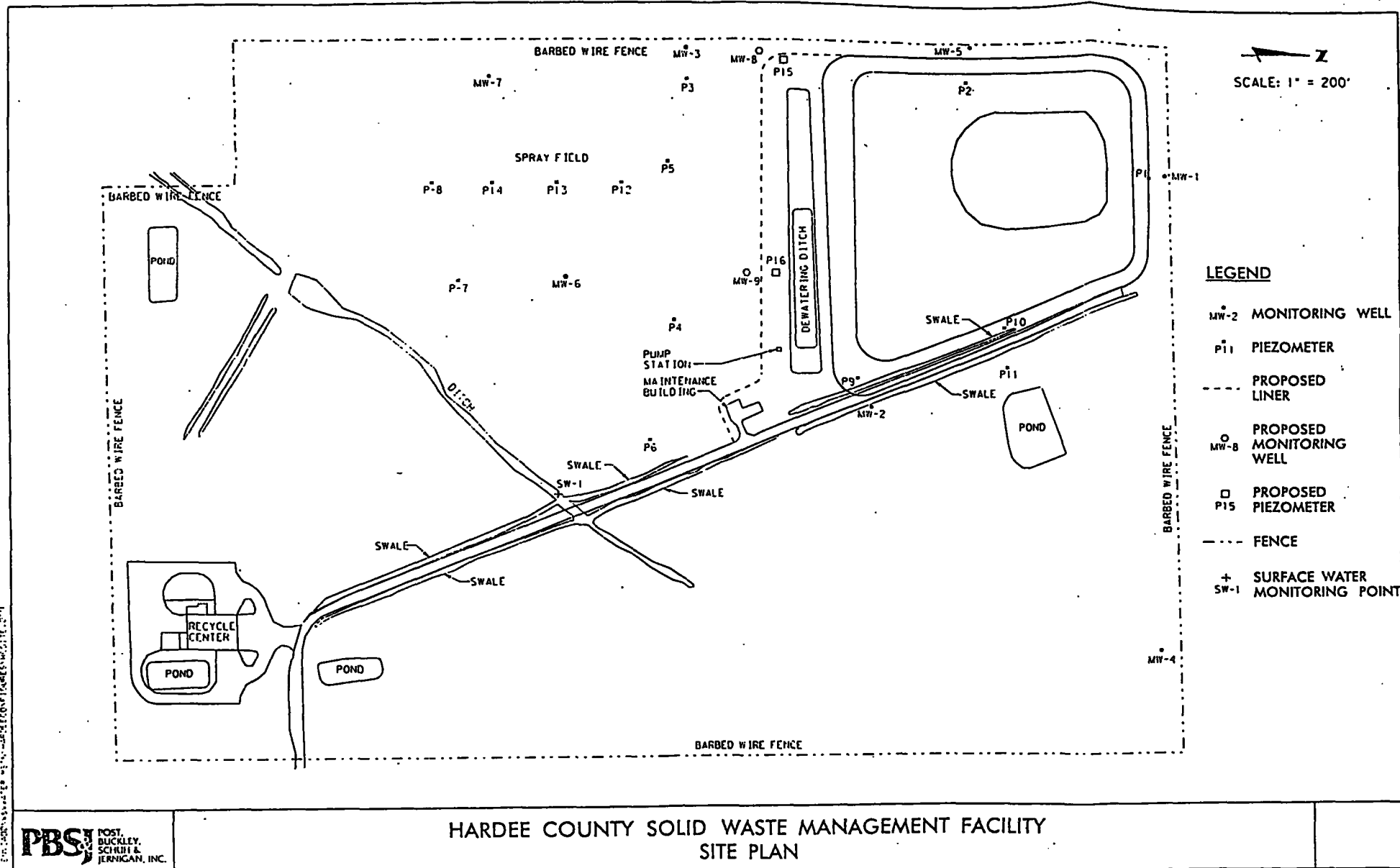
42. **Regulations.** Rule 62-701, F.A.C., effective April 23, 1997, is incorporated into this permit by reference.

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
6.h(3)	Within 90 days of permit issuance	Complete Final Closure of old C&D disposal area
11.	Annually, by April 15th	Survey and capacity calculations
17.b.	30 days prior to expiration of contract	Submit copy of new or renewal contract with WWTP for leachate disposal
17.b.	December 12, 1998	Submit renewal to current leachate disposal agreement
17.d., 19.b., 20	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Leachate generation reports, and Gas monitoring reports
17.j.	1 year after initial use	Tank Manufacturer's Inspection
17.j.	Within 30 days of inspection	Submit tank manufacturer's inspection report
21.	Within 60 days of detection	Completion of gas remediation
23.	90 days prior to date of final waste acceptance, or within 60 days of completion of Sequence #4	Closure Permit Application
24.	Annually, by September 1st	Financial assurance cost estimates
24.	Annually	Submit proof of funding

ATTACHMENT 1 (cont'd)

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
26.a.	Within 24 hours of occurrence	Notification of damage to any system
26.a.	Within 7 days of occurrence	Written notification
26.b.	Within 60 days of written notification	Complete groundwater monitoring system repairs
26.c.	Within 30 days of written notification	Implement corrective actions for stormwater or leachate management systems
31., 32., 34.	Semi-annually	Leachate sampled/analyzed; Surface water sampled/analyzed; Groundwater sampled/analyzed
31.	Annually	Leachate sampled/analyzed for 40 CFR Part 258, Appendix II parameters
35.b.	Within 1 week of well completion	New wells sampled
37.	Every 6 months, by January 15th and July 15th each year	Leachate, surface water, and groundwater quality reporting submitted
38.	Every two years, and 90 days prior to permit expiration	Evaluation of groundwater monitoring plan
38.	July 1, 2000	Evaluation of groundwater monitoring plan



HARDEE COUNTY SOLID WASTE MANAGEMENT FACILITY
SITE PLAN

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 (____) _____



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

NOTICE OF PERMIT

October 22, 2001

Hardee County Board of
County Commissioners
Ms. Janice Williamson,
Solid Waste Superintendent
685 Airport Road
Wauchula, FL 33873

Dear Ms. Williamson:

Enclosed is a Modification Number 38414-005 to Operation Permit Number **38414-002-SO**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes, or may choose to pursue mediation as an alternative remedy under section 120.573 before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth below.

A person may pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing) and by showing how the substantial interests of each mediating party are affected by the Department's action or proposed action. The agreement must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The names, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

"More Protection, Less Process"

Printed on recycled paper.

Hardee County BCC
Ms. Janice Williamson
Modification No.: 38414-005
Permit No.: 38414-002-SO

October 22, 2001
Page Two

(e) The date, time, and place of the first mediation session, or a deadline for holding the first session, of no mediator has yet been chosen;

(f) The name of each party's representative who shall have authority to settle or recommend settlement; and

(g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.

(h) The signatures of all parties or their authorized representatives.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by sections 120.569 and 120.57 for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above, and must therefore file their petitions within fourteen days of receipt of this notice. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that they will apply for challenging the agency action and electing remedies under those two statutes.

The petition for an administrative hearing must conform to the requirements of Chapters 62-110 and 28-106, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, 32399-3000, within fourteen (14) days of receipt of this notice. Failure to file a petition within fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department 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 Rule 62-110, 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.

Hardee County BCC
Ms. Janice Williamson
Modification No.: 38414-005
Permit No.: 38414-002-SO

October 22, 2001
Page Three

When the Order (Permit or Permit Modification) is final, any party to the Department 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 Boulevard, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management


KBF/ab
Attachment

cc: Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on October 22, 2001 to the listed persons.

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


Clerk

10-22-01
Date

Memorandum

Florida Department of
Environmental Protection

PERMIT COVER MEMO

TO: X DEBORAH GETZOFF, Director of District Management

FROM/THROUGH:

William Kutash, ENVIRONMENTAL ADMINISTRATOR

Bob Butera, SUPERVISOR

Kim Ford, ENGINEER

DATE: 10/19/01

FILE NAME: Hardee County Class I
Landfill

MODIFICATION #38414-005

PERMIT #: 38414-002-SO

PROGRAM: Solid Waste

COUNTY: Hardee

TYPE OF PERMIT ACTION: ISSUE DENY X MODIFY
TRANSFER OWNER NOD
PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? N/A PETITION FILED? N/A

PERMIT SUMMARY: This permit modification is to correct the expiration date of the permit.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: The request was received on October 5, 2001.

This application was deemed complete on October 5, 2001.

Department Processing Time = 10 days (thru 10/15/2001)
Total Processing Time (TIH) = 10 days (thru 10/15/2001)

Day 90/30 for this Action is January 5, 2002.

38414-005

Oracle Developer Forms Runtime - Web

Permits Events Payment Site Equity Party Let Help Exit Window

ORACLE

Permitting Application - Permit Detail and Log Permit

SITE Permit

Site Name: HARDEE COUNTY REGIONAL LANDFILL (10-4) Site #: 000414

County: HARDEE Comments: ☒ RPAs: ☐ # Cases:

Project

Permit #: Project #: 003 Received: 05-OCT-2001 CRA#:

Permit Office: SWO DISTRICT Agency Action: Pending

Project Name: HARDEE COUNTY LANDFILL Desc:

Type/Sub/Des: 50 / MM MINOR MODIFICATION COE #:

Logged: 09-OCT-2001 Issued: Expires: OOC:

Fee: Fee Recd: Del: Override: CORRECTION

Related Party

Role: APPLICANT Begin: 09-OCT-2001 End:

Name: JIMMY S. SMITH Company: HARDEE COUNTY SOLID WASTE DEPT

Addr: 14 AIRPORT ROAD

City: VAUGHN State: FL Zip: 32180 Country: USA

Phone: 407-939-1111 Fax: 407-939-1111

Processors

Processor: FORD_K Active: 09-OCT-2001 Inactive: Events:

The current data has been committed to the database.

Record: 1/1

SOUTHWEST DISTRICT
FDEP

Solid Waste Program
Permitting Application

New Site

Site Name:
Site Address:
County:
Type/Subcode:

Existing Site

Site ID:	38414 - 005
Project Name:	HARDEE County Landfill
Type/Subcode:	SO / mm
Fee Submitted:	<input checked="" type="radio"/> correct <input type="radio"/> incorrect
Fee Refund \$	Fee Request \$

Related Party

Role:	Applicant
Name:	JANICE Williamson
Company:	HARDEE County
Street:	685 AIRPORT ROAD
City:	WAUCHULA FL
Zip Code:	33873 - 8663
Phone:	(863) 773-5089

Distribution Date:

Fee Checked By:

K Ford

Date:

10/8/01

OVERLAP = CORRECTION

685 Airport Road
Wauchula, FL 33873-8663
(863) 773-5089
FAX (863) 773-3907

Hardee County Solid Waste Department

October 1, 2001 OCT 05 2001

Department of Environmental Protections
Attention: Kim Ford
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: Class I Operating Permit # 38414-002-SO

Dear Mr. Ford:

It has come to my attention that the operational permit referenced above was issued on November 19, 1998 and has an expiration date of June 10, 2002. (This is probably due to transferring from a construction permit to an operational permit.) However, as all other operational permits are good for five years, we would like to request that the current operational permit have a term of five years, changing the expiration date to November 19, 2003. Please notify me of your response to this request.

Sincerely,

Janice
Williamson

Janice Williamson,
Solid Waste Superintendent

Cc: Bryan Hunter, P.W. Director

685 Airport Road
Wauchula, FL 33873-8663
(863) 773-5089
FAX (863) 773-3907

Hardee County Solid Waste Department

RECEIVED
OCT 05 2001

October 1, 2001

Department of Environmental Protections
Attention: Kim Ford
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Bob H
Sara J 10/15
comment?
fm

RE: Class I Operating Permit # 38414-002-SO

Dear Mr. Ford:

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Sincerely,

Janice
Williamson

Janice Williamson,
Solid Waste Superintendent

Doesn't TX require a
\$50 fee - corrected
in new rule changes?

SMALL Co. notices will
make fee \$0 - they need to give
us with letter from co

Cc: Bryan Hunter, P.W. Director

203 LF
SP 32

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 10/1/01

Time 10:30

Subject HARDEE LE OPS PERM AT

Permit No. _____

County HARDEE

M JANICE WILLIAMS

Telephone No. _____

Representing HARDEE COUNTY

[] Phoned Me ☒ Was Called [] Scheduled Meeting [] Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

I CALLED TO SUGGEST SHE MAY WANT
TO REQUEST THE OPS PERMIT
EXPIRATION DATE BE EXTENDED
TO 5 YEARS 11/2003
JW WILL REQUEST IN WRITING

WE DISCUSSED LITTER MANAGEMENT
JW WORKING ON 2001 REPORTS, AND
WOULD LIKE TO CONSIDER INSTALLING
A RAIN COFFER WITH EAST 1/2 DITCH

(continue on another
sheet, if necessary)

Signature E C

Title _____

Boise RB

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/10/01

Subject HARDEE Ops permit Renewal

Time 3:05

Permit No. _____

County HARDEE

M James Williamson

Telephone No. _____

Representing HARDEE County

☒ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

JW SAID SHE COULD NOT MEET THIS WEEK
BUT WANTED TO KNOW WHAT ISSUES ARISE
FOR RENEWAL

I SAID
25% STAFF PLAN
25% QP PLAN
25% GWM PLAN

25% REEVALUATING OLD GERMAL INFO

JW SAID OK, ALL CONSTRUCTION COMPLETE
BUT DID NOT GET COMPLETE APPROVAL
TO FILL TO HEIGHT REQUESTED BECAUSE OF
STABILITY CONCERNS EXPRESSED BY SUSAN

I SAID I WILL REVIEW FILES AND DISCUSS W/ SUSAN

(continue on another
sheet, if necessary)

Signature E ()

Title _____

Memorandum

Florida Department of
Environmental Protection

PERMIT COVER MEMO

TO: x Deborah A. Getzoff, Director of District Management

FROM/THROUGH:

William Kutash *W/K 8/10/01*, ENVIRONMENTAL ADMINISTRATOR
Robert Butera, P.E. *R/B 8/10/01* SUPERVISOR
Susan Pelz, P.E. *S/P 8/10/01* ENGINEER

DATE: August 10, 2001

FILE NAME: Hardee Co. LF-Sequence Mod
PROGRAM : Solid Waste

Mod. #38414-004-SO to
PERMIT #: 38414-002-SO
COUNTY : Hardee

TYPE OF PERMIT ACTION: x ISSUE DENY x MODIFY
 TRANSFER OWNER NOD
 PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED?

PETITION FILED?

PERMIT SUMMARY: This modification allows a revised sequence of filling.

PROFESSIONAL RECOMMENDATION: x APPROVE DENY

EVALUATION SUMMARY: The slope stability analysis did not demonstrate that under certain conditions, the balefill would have a reasonable factor of safety for the proposed increase to 3H:1V. Conditions were modified to allow a revised sequence of filling primarily in the former leachate ditch, but does not allow increasing the slopes for the baled waste to 3H:1V. This issue will be addressed further as part of the Operation Permit Renewal which is expected to be submitted in December 2001. The applicant has provided sufficient information to demonstrate compliance with Department Rules.

Application received - February 15, 2001

Application complete - May 14, 2001.

Department processing time - 95 days (to 08-10-01).

Total processing time - 176 days (to 08-10-01).

DAY 90/30 FOR THIS ACTION IS: ASAP TODAY- Day 90=08-12-01 (Sunday)

U.S. Postal Service CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To:

Hardee Co. SW. Dist.

Postage \$
Certified Fee
Return Receipt Fee
(Endorsement Required)
Restricted Delivery Fee
(Endorsement Required)
Total Postage & Fees \$

8-10-01

Postmark
Here

Name (Please Print Clearly) (to be completed by mailer)

Janice Williamson, Sup.

Street, Apt. No., or PO Box No.

685 Airport Rd

City, State, ZIP+4

Wauchula, FL 33873

PS Form 3800, July 1999

See Reverse for Instructions

Is your RETURN ADDRESS completed on the reverse side?

Permit 38414-002-50

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Hardee County Solid Waste
Janice Williamson, Sup.
685 Airport Rd
Wauchula, FL 33873

4a. Article Number

7099 3400 0001 9758 8886

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

8-11-1

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

X [Signature]

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

August 10, 2001

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

NOTICE OF PERMIT

Hardee County Solid Waste Department
Ms. Janice Williamson, Superintendent
685 Airport Road
Wauchula, Fl. 33873

Dear Ms. Williamson:

Attached is Modification #38414-004-SO to Operation Permit 38414-002-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 38414-004-SO:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
#2.j. , k.	N/A	New	Permit documentation
#4.b.	N/A	New	Slope stability analysis required at permit renewal
10.a.	Existing	Amended	Revised sequence of filling
10.b.	N/A	New	Only fill sequences 1 & 2 authorized
15.	Existing	Amended	Number of working faces clarified
24.b.	Existing	Amended	Deleted date for financial assurance proof of funding

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

"More Protection, Less Process"

Printed on recycled paper.

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

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

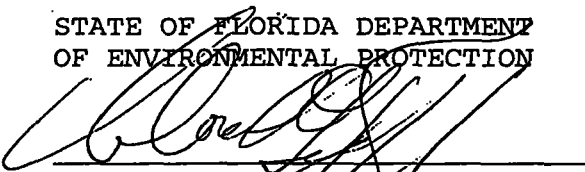
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard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

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

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

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
Director of District Management
Southwest District

DAG/sjp
Attachment

Copies furnished to:

Hardee County Board of County Commissioners
Joe O'Neill, P.E., SCS Engineers, 3012 US Hwy 301 N., Ste. 700, Tampa, FL. 33619
Douglas Beason, OGC Tallahassee
Richard Tedder, P.E., FDEP Tallahassee
Fred Wick, FDEP Tallahassee
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa (Permit Notebook)

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on Aug 10, 2001 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

8-10-01
Date



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Hardee County Board of
County Commissioners
Ms. Janice Williamson,
Solid Waste Superintendent
685 Airport Road
Wauchula, Fl 33873

PERMIT/CERTIFICATION

GMS ID No: 4025C30001
Permit No: **38414-002-SO**
Date of Issue: 11/19/98
Expiration Date: **06/10/2002**
County: Hardee
Lat/Long: 27°34'10"N
81°47'01"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) 62-3, 62-4, 62-302, 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 a Class I landfill and related facilities (approximately 12.5 acres), referred to as the Hardee County Regional Landfill, subject to the specific and general conditions attached, located at 675 Airport Road, east of the City of Wauchula, Hardee County, Florida. The specific conditions attached are for the operation of:

1. Class I Landfill Disposal Facility
2. Special Waste Management

General Information - Active Site:

Maximum elevation (including cover): +140 feet NGVD [Sheet 7, SC#2.i(2)]
Disposal Acreage: 12.5ac.
Est. Date of Closure: March 2004 [SC#2.d., page 3-4]
Bottom Liner, Leachate Collection System:
In-situ clay bottom w/geosynthetic sidewalls.
Perimeter leachate collection system.

Replaces Permit No.: SO25-214306

Includes Modification Number: 38414-004-SO dated 08/10/2001.

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.

PERMITTEE: Hardee County BOCC
Ms. Janice Williamson, SW Superintendent

PERMIT NO: 38414-002-SO
Class I LF Operation

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;

GENERAL CONDITIONS:

(General Condition #7, cont'd)

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

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

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

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

(a) A description of and cause of noncompliance; and

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

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

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

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

11. This permit 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.

GENERAL CONDITIONS:

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.

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.

PERMITTEE: Hardee County BOCC
Ms. Janice Williamson, SW Superintendent

PERMIT NO: 38414-002-SO
Class I LF Operation

GENERAL CONDITIONS:

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

(a) All reports or information required by the Department shall be certified as being true, accurate and complete.

(b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance, and all information required by Rule 62-28.230(4)(b), F.A.C.

(d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the State.

GENERAL CONDITIONS:

17. The following conditions also shall apply to a hazardous waste facility permit.

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.

2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

(c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

1. **Landfill Designation.** This site shall be classified as a Class I landfill and shall be operated in accordance with all applicable requirements of Chapters 62-3, 62-4, 62-302, 62-330, 62-520, 62-522, and 62-701, Florida Administrative Code (F.A.C.), and all applicable requirements of Department Rules.

2. **Permit Application Documentation.** This permit is valid for operation of the Class I landfill and related facilities in accordance with Department rules, the conditions of this permit, and the reports, plans and other information, submitted by Post, Buckley, Schuh and Jernigan, Inc. (PBSJ) (or as otherwise noted) as follows:

- a. Hardee County Regional Landfill, Application for Renewal of Operation Permit, dated March 1997 (received March 11, 1997);
- b. Additional information dated April 29, 1997 (received April 30, 1997);
- c. Additional information (concerning groundwater contour maps) dated May 8, 1997 (received May 9, 1997);
- d. Response to Request for Additional Information dated May 28, 1997 for the Renewal of Operations Permit..., dated June 1997 (received June 27, 1997);
- e. Additional information (concerning evaluation of existing LCS) dated November 24, 1997 (received December 1, 1997);
- f. Response to Request for Additional Information dated July 25, 1997 for the Renewal of Operations Permit..., dated December 31, 1997 (received January 2, 1998);
- g. Response to Request for Additional Information dated January 30, 1998 for the Renewal of Operations Permit..., dated April 24, 1998 (received April 27, 1998), including, but not limited to, Section 7, "Landfill Operation Requirements";
- h. Response to Request for Additional Information dated January 30, 1998 for the Application for Construction Permit..., dated April 24, 1998 (received April 27, 1998), including the following information as appropriate:
 - 1) Information concerning Section 8, "Water Quality and Leachate Monitoring Requirements" and Appendix D, "Water Quality Monitoring Plan Modification,"
 - 2) Section 5, "Landfill Construction Requirements" (Attachment B), and
 - 3) Proposed Surface Water Sampling Point (Attachment S);

SPECIFIC CONDITIONS:

(Specific Condition #2. cont'd)

i. Plan Sheets entitled, Hardee County Regional Landfill Operations Permit Renewal, dated March 1997 including the following sheets:

- 1) Aerial Surveys received April 30, 1997:
 - a) Sheet 2A of 5
 - b) Sheet 2B of 5
 - c) Sheet 3A of 5
 - d) Sheet 3B of 5
- 2) The following sheets signed and sealed June 26, 1997 (received June 27, 1997):
 - a) Sheet 6, "Sequencing Plan, Sequence 1 through Sequence 6";
 - b) Sheet 7, "Sequencing Plan, Sequence 7 and Details";
 - c) Sheet 8, "Cross Sections".
- 3) Sheet 4 of 5, "Site Plan" as revised June 1997 (received June 27, 1997); and
- 4) Sheet 5 of 5, including revisions April, June and August 1997, "Gas Management System and Miscellaneous Details at Closure" (received January 2, 1998).

j. Information concerning modified sequence of filling, prepared by SCS Engineers, Inc., as follows (replaces previous information as appropriate):

- 1) "Hardee County Landfill Operations Modification,..." information dated December 13, 2000 (received December 13, 2000);
- 2) "Response to Florida Department of Environmental Protection Comments, Hardee County Class I Landfill Modification of Sequence of Filling,..." dated May 11, 2001 (received May 14, 2001);
- 3) Plans titled, Hardee County Landfill Minor Operational Fill Sequence Revisions (9 sheets), dated May 2001 (received May 14, 2001);

New 08/10/2001.

k. and in accordance with applicable Department rules.

New 08/10/2001.

SPECIFIC CONDITIONS:

3. Permit Modifications.

a. Any activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. 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 does not authorize the operation of the leachate storage tanks system until the Certification of Construction Completion and supporting documentation has been specifically approved, in writing, by the Department. Operation of this system shall require a minor modification of this permit.

4. Permit Renewal.

a. No later than one hundred eighty (180) days before the expiration of this Operation Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.330(3), F.A.C.

b. The slope stability of the proposed 3H:1V slopes for the baled waste shall be evaluated specifically in the permit renewal application, if 3H:1V slopes are proposed for the final closure design. The interface friction angle of the bales shall be estimated, modeled, or otherwise determined in order to provide reasonable assurance that the bales, when placed at a 3H:1V slope in an undrained condition, including equipment loading, will not present a risk of failure with a reasonable factor of safety.

New 08/10/2001.

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

6. Special Wastes.

a. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the information listed in Specific Condition #2.g., Section 7; 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.

b. Large items such as mattresses, televisions, microwaves, sofas, other furniture, etc. shall be baled and disposed with other baled wastes or disposed in the loose waste active face. [ref. Specific Conditions (SC)#2.f., page 2, and #2.d., page 4] In the event that special handling of bulky wastes is required, the Department shall be notified and a minor modification of the Operations Plan may be required to incorporate those management procedures.

SPECIFIC CONDITIONS:

(Specific Condition #6. cont'd)

c. **Household hazardous waste (HHW) management.** HHW shall be managed as indicated in the information submitted in Specific Condition #2.g., above, and the conditions below.

- 1) At least weekly, spillage at the HHW Collection Center Facility shall be removed and properly packaged for disposal.
- 2) Liquids shall not be discharged outside of the containment structures of the HHW Collection Center.
- 3) Non-latex paints shall not be air dried.
- 4) Materials shall be stored within containment areas at all times.
- 5) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility and copies provided to the Department upon request.

d. **White Goods.** White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked.

e. **Scrap Metal.** 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. Scrap metals shall be stored on an impervious surface. [ref. SC#2.d., page 5]

f. **Lawn Mowers.** Lawn mowers which contain oil or gasoline shall not be accepted. [ref. SC#2.g., page 7-3]

g. **Asbestos.** Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C.; the information listed in Specific Condition #2.d., Section 9; and all other applicable federal and Department rules.

h. **C&D Debris.** Construction and demolition debris may be disposed within the lined, Class I disposal cell, subject to the following:

- 1) The C&D debris shall be disposed in a separate area of the Class I cell, as indicated in the Sequencing Plan Sheets [ref. SC#2.i(2), above].

SPECIFIC CONDITIONS:

(Specific Condition #6.h. cont'd)

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) Within 90 days of issuance of this permit, the previous C&D debris disposal area shall be covered with a minimum of 24 inches of soil, compacted and sloped to promote drainage and a vegetative cover shall be established. The permittee shall notify the Department when these activities are complete.

4) No C&D debris shall be placed in Sequence #7 [ref. SC#2.i(2), and #2.f.(page 2)].

5) C&D debris shall not be placed in areas with ponded leachate. The C&D debris disposal area within the Class I disposal cell (shown in the Sequencing Plans, SC#2.i(2)) shall be dry prior to the disposal of any C&D debris. [ref. SC#2.d., page 2, and #2.g., page 7-2,]

i. **Yard Trash.** Yard trash shall be processed at least once every six months. [ref. SC#2.d, page 5 and #2.g., page 7-3] Processed yard trash and wood wastes which do not include painted or treated wood may be used for sideslope stabilization and erosion control in the Class I Landfill. Yard trash shall not be disposed in the Class I Landfill.

7. Landfill Operation Requirements.

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information submitted in the references listed in Specific Condition #2, above; and applicable Department rules.

b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner system at any time during the construction or operation of this facility.

c. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation.

d. Litter shall be collected and disposed in the Class I Landfill at least weekly, or more frequently if necessary.

8. Operating Personnel. As required by Rules 62-701.500(1) and 62-701.730(8), F.A.C., at least one trained operator shall be at the Class I and C&D landfills at all times when the landfill receives waste. At least one trained spotter shall be at each working face (i.e. C&D and loose waste) when waste is received. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

SPECIFIC CONDITIONS:

9. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rules 62-701.500(2) and 62-701.730, F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rules 62-701.500(3) and 62-701.730, F.A.C., are part of the operations plan, and shall also be maintained at the site.

10. **Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with the Sequencing Plans [ref. SC#2.j(3), above], except as specified herein.

Amended 08/10/2001.

b. This modified permit authorizes Fill Sequences 1 and 2 only (Sheets 4 and 5 of 9, [ref. SC#2.j(3)]). Later filling sequences which include placement of baled waste at (or to construct) slopes greater than 4H:1V are not authorized, at this time.

New 08/10/2001.

11. **Waste Records.**

a. Records shall be maintained as required by Rules 62-701.500(4), and 62-701.500(13), F.A.C., and the conditions of this permit. These records shall be maintained onsite, and copies provided to the Department upon request.

b. The owner or operator shall conduct a survey of the Class I disposal area, and shall estimate the remaining disposal capacity and site life as required by Rule 62-701.500(13)(c). **Annually, no later than April 15th**, a copy of this survey, and supporting capacity calculations, signed and sealed by a registered professional engineer or land surveyor, as appropriate, shall be submitted to the Department. A topographic survey shall be conducted, and submitted with the permit renewal application required by Specific Condition #4.

12. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Pursuant to Rule 62-701.500(12), F.A.C., the landfill shall have onsite roads which are maintained to allow access to monitoring devices and stormwater controls, for landfill inspections and for fire fighting.

13. **Monitoring of Waste.** Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous waste is a waste as defined in Chapter 62-730, F.A.C. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C.

SPECIFIC CONDITIONS:

14. Waste Handling Requirements.

- a. All solid waste disposed of in the Class I area shall be covered as required by Rule 62-701.500(7), F.A.C. Initial cover shall be applied and maintained daily in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C.
- b. Alternate daily cover materials shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary cover or tarpaulin.
- c. Areas which have significant vegetation shall be mowed as needed to provide adequate access for inspection and sampling activities.
- d. The owner or operator shall conduct three random load checks per week on wastes which are not processed at the MRF and will be disposed in the "loose waste" working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request.
[ref. SC#2.g., pages 7-8 and 7-12]
- e. Soil materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.
- f. Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

15. Working Face.

- a. As required by Rule 62-701.500(7)(d), F.A.C., the owner or operator shall minimize the size of each working face to minimize leachate and the unnecessary use of cover material. The landfill may have 2 working faces, 1-"loose waste" and the other baled waste. C&D debris which has been mixed or commingled with other wastes is no longer considered to be C&D debris, and shall be disposed of as Class I waste.

Amended 08/10/2001.

SPECIFIC CONDITIONS:

(Specific Condition #15. cont'd)

b. Berms and swales as shown on the Sequencing Plans [ref. SC#2.i(2)] shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the bermed working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to prevent erosion.

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

17. **Leachate Management.**

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

b. 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. Since the current agreement expires January 11, 1999 [ref. SC#2.b., Attachment 7-4], this renewal information shall be submitted **initially, no later than December 12, 1998.**

c. In the event that the primary leachate disposal facility (i.e. City of Wauchula POTW) becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW [ref. SC#2.g., page 7-24], or in accordance with an alternate schedule approved by the Department.

d. Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th** each year.

1) Leachate generation reports shall include precipitation amounts, 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.

SPECIFIC CONDITIONS:

(Specific Condition #17, cont'd)

e. As part of the submittal for the Certification of Construction Completion for the new leachate storage tanks system (required by Specific Condition #13 of Permit Number 38414-001-SC), the permittee shall request a modification to this operating permit to include specific conditions for the operation of the new leachate storage tanks system.

f. Leachate which has accumulated in low areas within the disposal area shall be removed **daily**, for off-site disposal or storage in the leachate storage tanks system.

g. **Prior to permit renewal**, an inspection, videotape or other appropriate assessment as approved by the Department, of the leachate collection system (LCS) shall be conducted. A report summarizing the results of this inspection shall be submitted to the Department **with the permit renewal application**. 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 and schedule for implementation of corrective actions as appropriate. The permittee shall retain the videotape at the facility for reference and shall provide a copy to the Department upon request.

h. For normal operations when both tanks are in use, each leachate storage tank shall contain no greater than 50% of the maximum capacity for each tank. In the event that the storage tanks contain greater than 50% of the maximum capacity for each tank, the owner or operator shall increase the quantity of leachate which is removed for off-site disposal each day in order to restore sufficient storage capacity and resume normal operations.

i. In the event of an emergency (i.e. substantial rainfall event), the maximum capacity of the tanks may temporarily be utilized. However, **within 2 weeks** of the emergency event, the operator shall ensure that sufficient storage capacity has been restored in the storage tanks system to resume normal operations.

j. **Tank Manufacturer's Inspection.**

1) The leachate storage tanks shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C.

SPECIFIC CONDITIONS:

(Specific Condition #17.j. cont'd)

2) Additionally, the permittee shall arrange for the tank manufacturer's initial inspection of the tank. This inspection shall be conducted **no later than one (1) year** after the tank's initial use. A copy of the manufacturer's inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, the permittee shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

k. The leachate storage tanks and LCRS shall be inspected at least weekly [ref. SC #2.h(2), pages 5-7 and 5-8].

18. Landfill Gas - NSPS and Title V Air Requirements.

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

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

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, FL 32399-2400 any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

19. Gas Management and Monitoring.

a. Landfill gas shall be monitored as required by Rule 62-701.500(9), F.A.C. Landfill gas collection, monitoring and recovery systems shall be operated to comply with Rules 62-701.400(10) and (11), F.A.C., respectively.

SPECIFIC CONDITIONS:

(Specific Condition #19. cont'd)

b. The results of the quarterly monitoring as required by Rule 62-701.400(10)(c)2, F.A.C., shall be submitted by the following dates:

Quarter 1	April 15th
Quarter 2	July 15th
Quarter 3	October 15th
Quarter 4	January 15th

20. **Gas Monitoring Locations.** The gas monitoring probes GP-1 through GP-9 are shown on Sheet 5 of 5 in the Plan Sheets entitled, "Gas Management System and Miscellaneous Details at Closure," as revised April, June and August 1997 (received January 2, 1998), prepared by PBS&J. These probes, and the following structures shall be sampled **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in Rule 62-701.400(10)(c), F.A.C.:

Maintenance Building
Materials Recovery Facility
Scalehouse/Administrative Offices
Kennel

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

22. **Waste Burning.** Open burning of solid waste is prohibited except in accordance with Rule 62-701.520(2), F.A.C. Controlled burning of solid waste is prohibited at this site except for clean vegetative and wood wastes which may be burned in a permitted air curtain incinerator in accordance with Rule 62-2.500(1)(e), F.A.C. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Protection.

23. **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 either (whichever occurs first):

a. 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

b. **Within sixty (60) days** of completion of Sequence #4 [ref. SC#2.i(2)].

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24. **Financial Assurance.** The permittee shall provide financial assurance for this landfill site in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure and long-term care shall be adjusted and submitted **annually, by September 1st** each year, to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

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

Amended 08/10/2001.

25. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control mosquitoes and rodents or request such control measures from the local mosquito control office, so as to protect the public health and welfare.

26. **Facility Maintenance and Repair.** The site shall be properly maintained including erosion control, maintenance of grass cover, prevention of ponding, gas venting and monitoring systems repairs, groundwater monitoring system repairs, and repair and maintenance of leachate collection and removal systems, including leachate storage tanks system.

a. In the event of damage to any portion of the landfill site facilities or failure of any portion of the landfill systems (except routine equipment maintenance), the permittee shall **immediately (within 24 hours)** notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification shall be submitted to the Department **within seven (7) days** following the occurrence.

b. In the event that any portion of the groundwater monitoring system is damaged, remedial measures shall be completed within **sixty (60) days** of the written notification specified in Specific Condition #26.a. above, unless otherwise approved by the Department.

SPECIFIC CONDITIONS:

(Specific Condition #26, cont'd)

c. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented within **thirty (30) days** of the written notification specified in Specific Condition #26.a. above, unless otherwise approved by the Department.

d. Repairs shall be initiated within 48 hours of detection of significant erosion in intermediately covered areas, or areas which discharge to the stormwater management system [ref. SC#2.6., page 10]. For the purposes of compliance with this Specific Condition, "significant" means that either:

- 1) the soil cover materials have eroded such that greater than 50% of the soil in that location has been eroded, or
- 2) waste is exposed.

27. Stormwater System Management. The landfill shall have a surface water management systems designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C.

28. Water Quality Requirements. Landfills shall be designed, constructed, operated, maintained, closed, and monitored throughout its design period to control the movement of waste and waste constituents into the environment so that groundwater and surface water quality standards and criteria of Chapters 62-4, 62-302, and 62-520, F.A.C., will not be violated beyond the zone of discharge specified for the landfill.

29. Water Quality Monitoring Quality Assurance.

a. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, 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.

SPECIFIC CONDITIONS:

(Specific Condition #29. cont'd)

b. All field and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted by a firm possessing a Quality Assurance Project Plan or a Comprehensive Quality Assurance Plan approved by the Department to meet the requirements of Chapter 62-160, F.A.C. The Quality Assurance Plan must specifically address the types of sampling and analytical work that is required by the permit. The Quality Assurance Plan shall be required of all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit. Documentation of an approved QAP shall be submitted with the first water quality reports conducted by either a new sampling organization or a new laboratory. Documentation shall include the completed signature page and the Table of Contents of the approved plan.

30. Zone of Discharge.

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

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to Rules 62-520.400 and 62-520.420, F.A.C.

31. Leachate Sampling. Leachate shall be sampled from Manhole 1 (see Sheet 4 of 5, ref. SC#2.i(3)) of the leachate collection system, and analyzed **every 6 months** for the following monitoring parameters:

Field parameters

Specific Conductivity
pH
Dissolved oxygen
Colors, sheens
(by observation)

Laboratory parameters

Total Ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total Dissolved Solids (TDS)
Those parameters listed in
40 CFR Part 258, Appendix I

SPECIFIC CONDITIONS:

(Specific Condition #31. cont'd)

In addition, leachate shall be sampled and analyzed **annually** for the parameters listed in 40 CFR Part 258, Appendix II. If this annual analysis indicates that a contaminant listed in 40 CFR 261.24 exceeds the regulatory level listed therein, the permittee shall initiate a monthly sampling and analysis program. If in any three consecutive months the same listed contaminant exceeds the regulatory level, the permittee shall, within 90 days, initiate a program designed to identify the source and reduce the presence of the contaminant in the leachate so that it no longer exceeds the regulatory level. This program may include additional monitoring of waste received and additional up-front separation of waste materials. Any leachate which is not recirculated or taken to a permitted industrial or domestic wastewater treatment facility shall be treated or managed so that no contaminant exceeds the regulatory level.

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.

32. Surface Water Sampling. Samples shall be collected **every 6 months** from location SW-1, (see Attachment S, ref. SC#2.h(3)). The samples shall be analyzed for the following parameters:

Field parameters

Specific Conductivity	Temperature
pH	Colors and sheens
Dissolved Oxygen	(by observation)
Turbidity	

Laboratory parameters

Zinc	Total Dissolved Solids (TDS)
Unionized Ammonia	Total Organic Carbon (TOC)
Total Hardness	Fecal Coliform
Biochemical Oxygen Demand (BOD ₅)	Total Phosphorous
Copper	Chlorophyll A
Iron	Total Nitrogen
Mercury	Chemical Oxygen Demand(COD)
Nitrate	Total Suspended Solids (TSS)
	Those parameters listed in
	40 CFR Part 258, Appendix I

Additional samples, monitoring points, and parameters may be required based upon subsequent analysis.

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33. **Groundwater Monitoring Well and Piezometer Locations.** The groundwater monitoring wells shall be located as shown on the Site Plan, Attachment S [ref. SC#2.h(3)] (attached to this permit). All existing site wells and piezometers shall be kept in working condition in case they may be useful at a later date. The following monitoring wells are required to be sampled:

<u>Well No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1	Surficial	Detection	See Attached Site
Plan			
MW-2	Surficial	Detection	"
MW-4	Surficial	Background	"
MW-5	Surficial	Detection	"
MW-8*	Surficial	Detection	"
MW-9*	Surficial	Detection	"

<u>Piezometer</u>	<u>Location</u>
P-1	See Attached Site
Plan	
P-2	"
P-3	"
P-4	"
P-5	"
P-6	"
P-9	"
P-10	"
P-11	"
P-15*	"
P-16*	"

*Well/Piezometer to be constructed.

All wells and piezometers are to be clearly labeled and easily visible at all times.

SPECIFIC CONDITIONS:

34. **Groundwater Sampling.** All wells listed in Specific Condition No. 33 shall be sampled and analyzed **semi-annually** for the groundwater monitoring parameters listed as follows:

<u>Field parameters</u>	<u>Laboratory parameters</u>
Static Water Level before purging	Total Ammonia - N
Specific Conductivity	Chlorides
pH	Iron
Dissolved Oxygen	Mercury
Turbidity	Nitrate
Temperature	Sodium
Colors and sheens (by observation)	Total Dissolved Solids (TDS)
	Those parameters listed in 40 CFR Part 258, Appendix I

Semi-annually, Monitoring wells MW-6 and MW-7 shall be measured for groundwater elevations and specific conductivity only.

Semi-annually, all piezometers listed in Specific Condition No. 33 shall be measured for ground water and leachate elevations. [ref. SC #2.g, page 7-17]

Additional samples, wells, and parameters may be required based upon subsequent analysis. Compliance with groundwater standards will be based on analysis of unfiltered samples.

35. **Groundwater Monitoring Well Construction.** New wells MW-8 and MW-9, and new piezometers P-15 and P-16 must be constructed and documentation submitted in accordance with Permit No. 38414-001-SC. Any other new wells must be approved by the DEP in a permit modification, and the following information submitted:

a. Documentation of the following for each well installed:

Well Identification	Boring (Lithology) Log
Aquifer monitored	Total depth of well
Screen type and slot size	Casing diameter
Screen length	Casing type and length
Screen diameter	SWFWMD well construction permit Nos.
Elevation at top of casing	Elevation at ground surface

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

SPECIFIC CONDITIONS:

(Specific Condition #35, cont'd)

c. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells (active and abandoned) and surface water monitoring stations horizontally located in degrees, minutes and seconds of latitude and longitude, the Universal Transverse Mercator coordinates, and the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the surface water and monitor well 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.

d. All wells not a part of the approved Water Quality Monitoring Plan are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District. The permittee shall submit a written report to the Department providing verification of the well abandonment. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

36. **Assessment Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria at the edge of the zone of discharge, the permittee has 15 days 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 representative of current groundwater conditions at the facility, and assessment monitoring/corrective action as described in Rule 62-701.510(7), F.A.C., shall be initiated.

37. **Water Quality Reporting Requirements.** All leachate, surface water and groundwater quality monitoring shall be reported on the Department Form 62-522.900(2), Groundwater Monitoring Report (attached). This report shall contain all items listed in Rule 62-701.510(9)(a), F.A.C. The permittee shall submit to the Department the results of the analysis by **January 15th and July 15th**. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

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Class I LF Operation

SPECIFIC CONDITIONS:

38. **Groundwater Monitoring Plan Evaluation.** Every two years and prior to 90 days before the expiration of the Department Permit, the permittee shall submit an evaluation of the Groundwater Monitoring Plan as per Rule 62-701.510(9)(b), F.A.C. The evaluation shall include the applicable information as required by Rule 62-701.510(9), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of groundwater contamination. Any groundwater contamination that may exist, shall be addressed as part of a groundwater investigation for the landfill assessment. The Groundwater Monitoring Plan shall be adequate to monitor any modifications to the existing landfill site including but not limited to closure. The first evaluation shall be submitted to the Solid Waste Section of the Department by July 1, 2000.

39. **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.

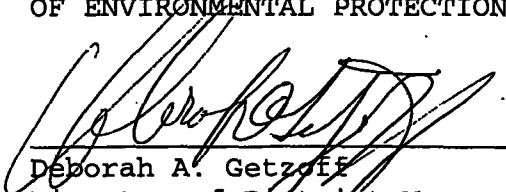
40. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

41. **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 to fail to comply with all conditions and deadlines.

42. **Regulations.** Rule 62-701, F.A.C., effective April 23, 1997, is incorporated into this permit by reference.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
Director of District Management
Southwest District

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration (December 1, 2001)	Permit Renewal Application
6.h(3)	Within 90 days of permit issuance	Complete Final Closure of old C&D disposal area
11.	Annually, by April 15th	Survey and capacity calculations
17.b.	30 days prior to expiration of contract	Submit copy of new or renewal contract with WWTP for leachate disposal
17.b.	December 12, 1998	Submit renewal to current leachate disposal agreement
17.d., 19.b., 20	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Leachate generation reports, and Gas monitoring reports
17.j.	1 year after initial use	Tank Manufacturer's Inspection
17.j.	Within 30 days of inspection	Submit tank manufacturer's inspection report
21.	Within 60 days of detection	Completion of gas remediation
23.	90 days prior to date of final waste acceptance OR within 60 days of completion of Sequence #4	Closure Permit Application
24.	Annually, by September 1st	Financial assurance cost estimates
24.	Annually	Submit proof of funding

ATTACHMENT 1 (cont'd)

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
26.a.	Within 24 hours of occurrence	Notification of damage to any system
26.a.	Within 7 days of occurrence	Written notification
26.b.	Within 60 days of written notification	Complete groundwater monitoring system repairs
26.c.	Within 30 days of written notification	Implement corrective actions for stormwater or leachate management systems
31., 32., 34.	Semi-annually	Leachate sampled/analyzed; Surface water sampled/analyzed; Groundwater sampled/analyzed
31.	Annually	Leachate sampled/analyzed for 40 CFR Part 258, Appendix II parameters
35.b.	Within 1 week of well completion	New wells sampled
37.	Every 6 months, by January 15th and July 15th each year	Leachate, surface water, and groundwater quality reporting submitted
38.	Every two years, and 90 days prior to permit expiration	Evaluation of groundwater monitoring plan
38.	July 1, 2000	Evaluation of groundwater monitoring plan

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

RD 105
SIS 815
KF 1

CONVERSATION RECORD

Date 6/5/01 Subject sequence mod
Time 831 Permit No. _____
County _____
M Janice Telephone No. 863-773-5089
Representing Hardee Co
[] Phoned Me [X] Was Called [] Scheduled Meeting [] Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting

- new bales \Rightarrow just switch it out, not new location.
- repair wall, measure floors.
- want to start repairs 4-5 wks
- we will want a resurvey on the floor to verify drainage after all repairs done
- Sequence 1 bales on top, loose in SW corner
- Sequence 2 no bales, all loose in west part of SMO ditch \Rightarrow start when MRF being repaired.
- I will approve Sequences 1 & 2 but slope stability issue must be resolved prior to approval of 3:1 all the way to top.
- don't want to hold up mod, slope stability can be address @ permit renewal

(continue on another
sheet, if necessary)

Signature

Title

PE I

PA-01
1/96
pap

- Gave her verbal ok to start filling in ditch - I should have mod issued by end of month.

LETTER OF TRANSMISSION

3012 U.S. Highway 30 North
Suite 700
Tampa, FL 33619-2242

813 621-0080
FAX 813 623-6757

SCS ENGINEERS

TO Susan Pelz, P.E.
FDEP - SW District

DATE May 14 2001

JOB NO. 09199033.03

ATTENTION _____

Re: HANDER COUNTY

Permit Modification

Response to Question

WE ARE SENDING YOU

☒ Attached ☐ Under separate cover via _____

☐ Shop drawings ☐ Prints

☐ Copy of letter ☐ Change order

the following items: ☐ Plans ☐ Samples

☐ Specifications ☐ HAND DELIVERED

D.E.P.
MAY 14 2001
Southwest District Tampa

COPIES	DATE	DESCRIPTION
2	May 14 2001	24"x36" 9 sheet Plan SET
2	May 14 2001	Response to Comments

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Susan,

Attached are the response to comments for
the Hander County Permit Modification.

The County is currently working on obtaining
as-built coordinates for the monitoring wells,
gas probes, piezometers.

Thank you

COPY TO _____ SIGNED: [Signature]



SCS ENGINEERS

May 14, 2001
File No. 09199033.03

Ms. Susan J. Pelz, P.E.
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

D.E.P.
MAY 14 2001
Southwest District Tampa

Subject: Response to the Florida Department of Environmental Protection Comments
Hardee County Class I Landfill Modification of Sequence of Filling
Pending Modification #38414-004-SO to Operation Permit 38414-0020SO

Dear Ms. Pelz:

On behalf of the Hardee County (County), SCS Engineers (SCS) is pleased to provide the following additional information requested in your correspondence dated February 20, 2001. For ease of review, we have provided the Florida Department of Environmental Protection (FDEP) comment or question in bold, followed by SCS' response.

Initial Comment – The unit weight for the waste material, baled and loose, used during the initial geotechnical calculations was approximated to be 64.8 pound per cubic foot (pcf) or 1750 pounds per cubic yard (pcy). This initial unit weight is typical of very well compacted solid waste materials or ash. This initial unit weight assumption was very conservative because the bales are compacted to 1750 pounds per bale not 1750 pounds per cubic yard.

Using the average bale size, the revised unit weight of the balefill was approximated to be 43.75 pcf (1181.25 pcy). Refer to Attachment A for approximate unit weights. The County uses a CAT D7H dozer to place and compact loose waste fill. Loose fill compacted using only a tracked dozer is typically 40-50 pcf (1100 – 1300 pcy). Therefore, SCS revised the geotechnical calculations using a typical waste density of 50 pcf (1350 pcy). This unit weight is consistent with the Hardee County's typical landfill operations and the previous landfill life estimates. The revised geotechnical calculations are included in Attachment B.

The revised geotechnical comparison between the "current" PBSJ design and the "revised" SCS design is as follows:

D.E.P.
MAY 14 2001
Southwest District Tampa

**TABLE 1. SLOPE STABILITY FACTORS OF SAFETY
WITH EQUIPMENT LOADS**

North/South		East/West		Comment
Current	Revised	Current	Revised	
2.0	1.6	2.1	1.9	Failure through foundation
1.6	1.3	1.7	1.3	Failure through waste material

Comment: The "revised" slope stability factors of safety are acceptable and the waste mound is stable during operations.

TABLE 2. ESTIMATED SETTLEMENT

Settlement in middle of landfill		
<u>Current Permit</u>	<u>Revised Permit</u>	<u>Difference</u>
0.47 ft (5.6 in.)	0.54 ft (6.5 in.)	0.07 ft (0.84 in.)

Comment: The "revised" settlements are acceptable and are not anticipated to affect operations.

• TABLE 3. BEARING CAPACITY

<u>Revised Permit</u>	
Excess Bearing capacity	4,200 psf

Comment: The "revised" bearing capacity is in excess of pressures estimated to induce excess settlements in the middle of the landfill, therefore the landfill foundation is sufficient to support the increased height of the landfill.

1. Rule 62-701.500(2) (f), F.A.C. Method and Sequence of Filling.

- a. The information states, "due to the rectangular shape of the bale, loose unbaled material will be placed along the sideslopes to achieve the grades shown on the drawings." (page 1) This method of filling does not correlate with the current Operations Plan. Since the bale lift height is less than 6 feet (see Operations Plan, Figure 7-1), it does not seem likely that loose waste can be placed and adequately compacted in the "steps" created by the bales at the slopes. An evaluation of the slope stability under this condition was not provided.

Response - Please refer to the figure in Attachment C for the proposed placement along the sideslope. The loose fill will be placed and compacted along the sideslope to efficiently utilize airspace using the County's CAT D7H dozer. The initial placement of bales will be offset from the slope approximately 20 feet, minimum, to allow the dozer working room. The following bales will be offset from the initial bales, as shown on the figure, to roughly approximate the sideslopes. The dozer will place loose waste along the sideslope to achieve the sideslope shown on the drawings.

SCS computed the track pressure for the County's dozer and estimated slope stability of this proposed configuration. To estimate the "sliding" potential of adjacent bales, SCS approximated current conditions at the landfill. As shown on the recent aerial topography survey the south and east slopes are approximately at a 3(h):(1V) sideslope and bales are located in the area. No failures have occurred, using the dozer, so the slope stability Factor of Safety must be a minimum of 1.0. A sliding friction angle of approximately 30 degrees achieves a F.S. equal to 1.0. Therefore the use of 25 degrees was assumed to be conservative for initial bale "sliding" and would be conservative as the waste bales degrade and intermingle.

Using a 25 degree friction angle, with no cohesion between materials (another conservative assumption), slope stability estimates were computed for the dozer pushing on the sideslopes and global "sliding" of bales. The estimated F.S. were 1.25 and 1.32, respectively. Both slope stability scenarios are considered by SCS to be acceptable. Slope stability calculations are contained in Attachment D.

- b. **The information indicates that the (former) dewatering ditch will "be filled and compacted with a mix of solid waste and C&D debris based upon availability." (page 2) This does not appear to correlate with the current Operations Plan, Section 7.0.3. Please clarify this. Please be reminded that the C&D debris must be disposed in an area separate from the Class I waste.**

Response – During a recent site visit by FDEP, it was noted that the County receives a very small amount of C&D material. The small amount of C&D debris and the limited working space currently available to the County makes segregation of C& D debris and solid waste difficult. Due to the limited quantities of C&D debris material it was agreed by FDEP and the County to allow a mixture of materials to be placed in the dewatering ditch.

- c. **Please describe the method of placing bales to a 3H:1V slope with the facility's equipment.**

Response – The County uses a Front End loader with a tool attachment to stack bales. The County will use a dozer to place loose fill along the sideslopes to match the proposed landfill grading.

- d. **Attachment A, Volume Estimate. Please provide calculations for the annual estimate of facility design life (in years).**

Response – The estimated design life of the facility was based upon the proposed grading, an estimated in-place waste density of 50 pcf, and an estimated daily incoming waste stream of 55 tons per day.

The estimated design life for the final operation grades is 8.8 years. Refer to Attachment E for life estimates.

The estimated life for the individual filling phases, as shown on the drawings is as follows:

- From Existing to Phase 1 - Estimated life 2.0 years
- From Phase 1 to Phase 2 - Estimated Life 0.4 years
- From Phase 2 to Phase 3 - Estimated Life 1.7 years
- From Phase 3 to Phase 4 - Estimated Life 0.8 years
- From Phase 4 to Final - Estimated Life 3.9 years

- e. **Attachment C, Geotechnical Analysis.**

- 1) **Please explain why 200 feet was added to the existing elevations for modeling purposes.**

Response – The 200 feet was added to the existing elevations because initially SCS thought circular failure planes may extend below elevation zero. Negative elevations could interfere with the computations. Therefore for modeling purposes, adding 200 feet to all the elevations was based upon professional engineering judgment and does not effect the results.

- 2) **Please provide the reference for the friction angle for the waste (25 degrees). Since the facility is a balefill and the waste layers are not "kneaded" (compacted) together, please explain how the friction**

angle of the bales was determined. It seems that the interface between bale layers would tend to slide (horizontally) more readily than a traditional compacted waste mass.

Response –

SCS used a block failure model to simulate sliding along the bales. However, the failure plane would shear bales diagonally which is the strongest direction of the bale. The bales will be staggered during placement and a “zig-zag” failure along the staggered bales would occur only if the outer bales were displaced away from the landfill sideslope.

An acceptable slope stability Factor of Safety equal to 1.3 was computed using the proposed modification to the fill sequence sideslopes, placement of the bales in a staggered pattern, and use of the County’s equipment.

- 3) **The "existing" case includes 3H:1V sideslopes. However, Sheet 7, "Sequencing Plan, Sequencing Plan, Sequence 7 and Details," dated June 26, 1997, prepared by PBSJ, shows the maximum slopes are 4H:1V (north and east slopes). Please revise the "existing case" calculations to reflect these slopes. Please note also that the west and south slopes ("existing") are much less steep are not considered to be the "worst case" slopes of concern.**

Response - SCS has recomputed the “existing” or “current” permitted sideslope design into the slope stability calculations. The electronic files received from PBS&J have sideslopes on the south and east side varying from 3.5 to 4 (H): 1(V). SCS used 4(H):1(V) sideslopes in the recomputed “existing” slope stability. A 4(H):1(V) is the best case scenerio and the Factor of Safety for steeper sideslopes would be between the “existing” 4(h):1(V) design and the proposed 3(H):1(V) design. The proposed design by SCS is stable with 3(H):1(V) sideslopes.

- 4) **Please provide calculations which demonstrate that the slopes will be stable considering the method of placing bales to a 3H:1V slope with the facility's equipment.**

Response - Please refer to Attachment D.

f. Drawings.

- 1) Please provide drawings which include contours more recent than October 1999.**

Response - I.F. Rooks and Associates recently completed an aerial topography survey of the active waste disposal area. The current topography features in this area is shown on the Drawings.

- 2) Cross-Section B-B shown on Sheet 3 does not appear to correlate with the section shown on Sheet 8. Please verify, and provide revised drawings as appropriate.**

Response - The cross section has been updated to include the existing topography and operational grades.

- 3) Please provide drawings which illustrate the sequence of filling, including estimated timeframes. The plans provided do not clearly show the sequence of filling, purpose, placement or movement of the temporary berms or leachate/stormwater separation methods.**

Response - Estimated filling timeframes are shown on the drawings. The filling sequence and direction of filling are clearly indicated on Drawings with fill arrows. The temporary berms are shaded to highlight the approximate locations. The berms will move as the waste fill progresses. Notes to the Drawings have been added to help clarify berm placement.

- 4) Please provide cross-sections which show the sequence of filling.**

Response - The cross-sections have been updated to show filling.

- 5) Notes on Sheets 4, 5, 6 and 7 state, "Final grades are shown. Subtract closure cap from shown to obtain operational elevations." Since the pending modification is for the operation of the site, the drawings for sequences other than the final sequence, should show "operational elevations."**

Response - Drawings have been updated to show operational grades.

Ms. Susan J. Pelz, P.E.
May 14, 2001
Page 7

2. **Rule 62-701.500(13) (c), F.A.C. Annual Estimate of Facility Life. Please provide a topographic survey more recent than October 1999. Please provide calculations for the annual estimate of facility design life (in years) based on this survey.**

Response – Please refer to response to comment numbers 1.d and 1.F.1.

This following comment is for information only, at this time, and does not require an immediate response:

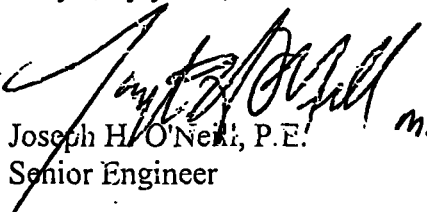
1. **The Solid Waste Section has not reviewed the stormwater drainage calculations. Please contact Mr. Randy Cooper in the Department's stormwater management section (813-744-6100 x 470) or SWFWMD concerning the requirements for a stormwater management system permit modification.**

Response – During a recent conversation with Mr. Randy Cooper he indicated that as long as the offsite discharge structure or locations have not changed since the permitting of the original facility's stormwater plan, no permit modifications were required for internal stormwater management systems. He also indicated that FDEP would coordinate with SWFWMD and convey FDEP opinion on the modification.


The County respectfully submits that the internal stormwater management system, proposed under this modification, flow into the existing stormwater pond and ultimately discharges offsite in the same location. Therefore no stormwater permit modification is required at this time.

We trust that the above responses will satisfactorily address your comments. Please feel free to contact us if you have questions.

Very truly yours,


Joseph H. O'Neill, P.E.
Senior Engineer

May 14 2001


Raymond J. Dever, P.E.
Vice President
SCS ENGINEERS

RJD:cms

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SCS ENGINEERS

March 21, 2001
File No. 09199033.03

Ms. Susan J. Pelz, P.E.
Solid Waste Section
Division of Waste Management
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

RECEIVED
MAR 23 2001

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Subject: Request for Time Extension for Response to FDEP Letter dated February 20, 2001
Hardee County Class I Landfill Modification of Sequence of Filling
Pending Modification #38414-004-SO to Operation Permit 38414-0020SO
Hardee County, Florida

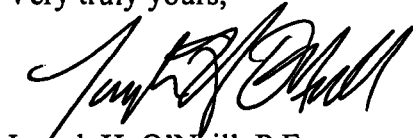
Dear Ms. Pelz:

On behalf of the Hardee County (County), SCS Engineers (SCS) is requesting an extension of time to respond to comments made in your correspondence dated February 20, 2001 regarding the subject pending permit modification. Scheduling delays and weather have postponed gathering the aerial topography information as requested in your letter.

The anticipated date for collecting the aerial topography information, incorporating the information into the drawing, and responding to your comments is April 15, 2001. If this request meets with your approval, please let us know at your earliest convenience.

Please feel free to contact us if you have questions.

Very truly yours,



Joseph H. O'Neill, P.E.
Senior Project Engineer



Raymond J. Dever, P.E. DEE
Vice President
SCS ENGINEERS

JHO/RJD:jho





Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Hardee County Regional Landfill
Ms. Janice Williamson, Solid Waste Superintendent
675 Airport Road
Wauchula, FL 33873

February 20, 2001

RE: Hardee County Class I Landfill
Modification of Sequence of Filling
Pending Modification #38414-004-SO to
Operation Permit 38414-002-SO

Dear Ms. Williamson:

This is to acknowledge receipt of your request and supporting information dated December 13, 2000 prepared by SCS Engineers, Inc. and fee received February 15, 2001, to modify the operation of the solid waste management facility referred to as the Hardee County Class I Landfill.

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. This is the Department's first request for additional information. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

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

1. **Rule 62-701.500(2)(f), F.A.C. Method and Sequence of Filling.**
 - a. The information states, "due to the rectangular shape of the bales, loose unbaled material will be placed along the sideslopes to achieve the grades shown on the drawings." (page 1) This method of filling does not correlate with the current Operations Plan. Since the bale lift height is less than 6 feet (see Operations Plan, Figure 7-1), it does not seem likely that loose waste can be placed and adequately compacted in the "steps" created by the bales at the slopes. An evaluation of the slope stability under this condition was not provided.

"More Protection, Less Process"

Printed on recycled paper.

FILE

(Comment #1, cont'd)

b. The information indicates that the (former) dewatering ditch will "be filled and compacted with a mix of solid waste and C&D debris based upon availability." (page 2) This does not appear to correlate with the current Operations Plan, Section 7.0.3. Please clarify this. Please be reminded that the C&D debris must be disposed in an area separate from the Class I waste.

c. Please describe the method of placing bales to a 3H:1V slope with the facility's equipment.

d. Attachment A, Volume Estimate. Please provide calculations for the annual estimate of facility design life (in years).

e. Attachment C, Geotechnical Analysis.

1) Please explain why 200 feet was added to the existing elevations for modeling purposes.

2) Please provide the reference for the friction angle for the waste (25 degrees). Since the facility is a balefill and the waste layers are not "kneaded" (compacted) together, please explain how the friction angle of the bales was determined. It seems that the interface between bale layers would tend to slide (horizontally) more readily than a traditional compacted waste mass.

3) The "existing" case includes 3H:1V sideslopes. However, Sheet 7, "Sequencing Plan, Sequence 7 and Details," dated June 26, 1997, prepared by PBSJ, shows the maximum slopes are 4H:1V (north and east slopes). Please revise the "existing case" calculations to reflect these slopes. Please note also that the west and south slopes ("existing") are much less steep and are not considered to be the "worst case" slopes of concern.

4) Please provide calculations which demonstrate that the slopes will be stable considering the method of placing bales to a 3H:1V slope with the facility's equipment.

f. Drawings.

1) Please provide drawings which include contours more recent than October 1999.

2) Cross-section B-B shown on Sheet 3 does not appear to correlate with the section shown on Sheet 8. Please verify, and provide revised drawings as appropriate.

3) Please provide drawings which illustrate the sequence of filling, including estimated timeframes. The plans provided do not clearly show the sequence of filling, purpose, placement or movement of the temporary berms or leachate/stormwater separation methods.

4) Please provide cross-sections which show the sequence of filling.

(Comment #1.f., cont'd)

5) Notes on Sheets 4, 5, 6 and 7 state, "Final grades are shown. Subtract closure cap from grades shown to obtain operational elevations." Since the pending modification is for the operation of the site, the drawings for sequences other than the final sequence, should show "operational elevations."

2. Rule 62-701.500(13)(c), F.A.C. Annual Estimate of Facility Life. Please provide a topographic survey more recent than October 1999. Please provide calculations for the annual estimate of facility design life (in years) based on this survey.

The following comment is for information only, at this time, and does not require an immediate response:

1. The Solid Waste Section has not reviewed the stormwater drainage calculations. Please contact Mr. Randy Cooper in the Department's stormwater management section (813-744-6100 x 470) or SWFWMD concerning the requirements for a stormwater management system permit modification.

"NOTICE! Pursuant to the provisions of Section 120.60, F.S. if the Department does not receive a complete response to this request for information within 30 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 30 days after the date of 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 30 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of a timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

You are requested to submit two copies of your response to this letter together, as one complete package. If there are points which must be discussed and resolved, please contact me at (813) 744-6100 ext. 386.

Sincerely,



Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp

cc: Joseph H. O'Neill, P.E., SCS Engineers, 3012 US Highway 301 North, Suite 700,
Tampa, FL 33619

RB Robert Butera, P.E., FDEP Tampa

SOUTHWEST DISTRICT
FDEP

Solid Waste Program
Permitting Application

New Site

Site Name:
Site Address:
County:
Type/Subcode:

Existing Site

Site ID:	38414-004
Project Name:	Handee Co Sequence Mod
Type/Subcode:	SO MM
Fee Submitted:	\$100
Fee Refund \$	
Fee Request \$	<input checked="" type="checkbox"/> correct () incorrect Small County Waiver

Related Party

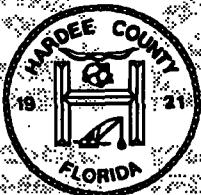
Role:	Applicant
Name:	Jarvis Williamson
Company:	
Street:	
City:	ON file
Zip Code:	
Phone:	

Distribution Date: _____

Fee Checked By: PELZ

Date: 2/16/01

SW
2-15-01



HARDEE CO. BD OF COMMISSIONERS

412 W. ORANGE ST ROOM A205
WAUCHULA, FL 33873-2867

Accounts Payable

First National Bank
Wauchula, FL 33873

403793

63-670
631

Check Date	Check No.	Amount
01/18/01	8922	\$100.00

PAY

**** ONE HUNDRED AND 00/100 DOLLARS

TO THE DEPT. ENVIRONMENTAL PROTECTION
ORDER 3804 COCONUT PALM DRIVE
OF TAMPA, FL 33619-8318

B. Hugh Bradley
C. V. Timmerman

Authorized Signatures

Bower, Donnette

From: Pelz, Susan
Sent: Wednesday, January 24, 2001 8:51 AM
To: Bower, Donnette
Subject: Hardee County

Sensitivity: Confidential

Follow Up Flag: Follow up
Due By: Thursday, January 25, 2001 11:13 AM
Flag Status: Flagged

You will hopefully be receiving a check from Hardee County BOCC for \$100 shortly (in next week or so)... it is for a solid waste application that I have... It may even be addressed to me...so when you get it, just let me know and I'll get you the site info etc.

Thanks,
Susan

99 37 3

685 Airport Road
Wauchula, FL 33873-8663
(863) 773-5089
FAX (863) 773-3907

403793

RECEIVED
MAIL ROOM

Hardee County Solid Waste Department

D.E.P.
FEB 15 2001
Southwest District Tampa

January 19, 2001

RECEIVED
MAIL ROOM
JAN 24 01

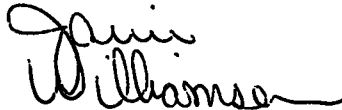
Department of Environmental Protections
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619-8313

Dear Ms. Pelz:

Enclosed is the check for the permit fee modification. In addition, I have enclosed a copy of our request for a reduction in the fee pursuant to Florida Law 94-278 and a copy of the current millage rate by the taxing authority.

Should you have any questions, please contact me.

Sincerely,



Janice Williamson,
Solid Waste Superintendent

.....

**HARDEE COUNTY
BOARD OF COUNTY COMMISSIONERS
412 West Orange Street
Room A-203, Courthouse Annex
Wauchula, Florida 33873-2867
(863)773-9430 * (863)773-6952 * Fax (863)773-0958**

January 19, 2001

Department of Environmental Protection
Solid Waste Section
Attention: Bob Butera
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Re: Permit Fee Reduction

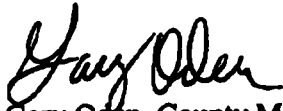
Dear Mr. Butera:

Pursuant to the Florida Law 94-278, Hardee County is requesting a permit fee reduction.

Hardee County is currently at 8.75 mills and Florida law states that millage greater than eight mills would justify a permit fee reduction or waiver to be granted on the basis of hardship. Hardee County certifies that the cost of the permit processing fee is a fiscal hardship due to the fact that ad valorem operating millage is greater than eight mills.

Attached you will find the certification of the county millage by the Hardee County Property Appraiser's Office.

Sincerely,



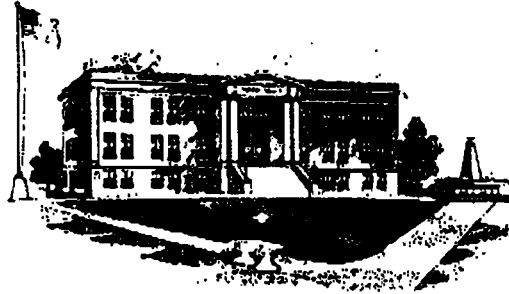
Gary Oden, County Manager
Hardee County, Florida

GO/sd

permit fee reduction011901

Clifton N. Timmerman – Walter B. Olliff, Jr.
E. Milton Lanier – William R. Lambert – Gordon R. Norris
County Manager Gary Oden – Asst. Co. Manager J. R. Prestridge – County Attorney Gary A. Vorbeck

"An Equal Opportunity Employer"



2000

*Hardee County***CAROLYN J. COKER**
PROPERTY APPRAISER**2000 MILLAGE RATES BY TAXING AUTHORITY**

TAXING AUTHORITY	MILLAGE RATE
BCC	.008750
SCHOOL BOARD	
State	.005891
Local	<u>.002760</u>
Total	.008651
WATER MANAGEMENT	
SWFWMD	.000422
Peace River Basin	<u>.000195</u>
Total	.000617
INDIGENT HEALTH CARE	.000827
BOWLING GREEN	.006000
WAUCHULA	.005020
ZOLFO SPRINGS	.009112

TOTALS FOR PROPERTY OWNERS IN:

Unincorporated County	.018645
Bowling Green	.024645
Wauchula	.023665
Zolfo Springs	.027757

Account No:

FORMS DESIGN, INC. (941) 342-0442

SCS ENGINEERS

December 13, 2000
File No. 09199033.03

Ms. Susan Pelz, P.E.
Solid Waste Engineer
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33319

D.E.P.**DEC 13 2000****Southwest District Tampa**

Subject: Hardee County Landfill Operations Permit Modification
Permit Number 38414-002-SO
Hardee County, Florida

Dear Susan:

On behalf of Hardee County (County) SCS Engineers (SCS) is pleased to submit the following revisions to the current operational filling sequence plans for the Hardee County landfill. The shallow top slopes of the current operations design does not allow for efficient placement of baled waste materials. The proposed revisions were designed to increase the amount of available airspace for baled and loose waste on the top of the landfill. In addition, the modifications to the plans will allow placement of both municipal solid waste and construction and demolition debris (C&D) within the current dewatering ditch. The dewatering ditch is located on the southern side of the active working area.

Based upon conversations with the Florida Department Environmental Protection (FDEP) and Hardee County (County) regarding the proposed revisions, specifically fill sequencing, geotechnical integrity of the design, and stormwater management, SCS has completed the following analysis to address these regulatory issues.

PROPOSED OPERATIONAL SEQUENCE MODIFICATIONS

SCS modified the grading plan of the landfill based upon the County's request to have two access roads leading to the upper portion of the landfill, to increase the available airspace on top of the landfill for placement of baled solid waste, and to allow placement of solid waste and C&D debris in the current dewatering ditch.

Two access road were incorporated into the modified design to allow access to the upper portion of the landfill. One access road is located on the eastern side of the landfill and will serve as the primary access road. The access road on the western side of the landfill will serve as a secondary road to be used by landfill equipment and personnel. Both roads are graded with a minimal two percent cross slope to promote drainage. Runoff from the roads is collected in ditches, which parallel the roads, and discharge at the bottom of the landfill.

To increase the efficiency of placement of baled waste on top of the landfill, the sideslopes of the landfill were graded at a three to one slope from the lower terrace, at Elevation 110, to a crest at Elevation 150. From the crest of the landfill to the peak, at Elevation 155, a minimum slope of five percent was set to promote drainage. This will make best use of available airspace on the upper portion of the landfill by increasing the height and increasing the topslope of the landfill. Due to the rectangular shape of the bales, loose unbaled material will be placed along the sideslopes to achieve the grades shown on the drawings.

The current dewatering ditch was filled with water during the October 23, 1999 aerial topography mapping. SCS has developed approximate contours of the dewatering ditch based upon information supplied by the County and those contours are shown on Sheet 4 of the drawings. The bottom of the dewatering ditch was assumed to be at approximately Elevation 74. Upon removal of the water in the ditch, the silty sand that has washed in the ditch will be removed. The ditch will be filled and compacted with a mix of solid waste and C&D debris based upon availability.

SCS compared the existing topography as of October 23, 1999, versus the revised grading plan to estimate the available disposal volume. SCS incorporated the estimated volume increase due to the addition of the dewatering ditch for disposal. The estimated volume available for disposal is approximately 340,000 cubic yards. The calculations are contained in Attachment A.

GEOTECHNICAL ANALYSIS

In 1994, Professional Services Incorporated (PSI) collected boring and soil information immediately south of the active area. SCS reviewed the information contained in PSI's report and used this information to complete the geotechnical analysis of the revised plans. The 1994 geotechnical report conducted by PSI is contained in Attachment B. SCS did not conduct a specific geotechnical field investigation of the landfill and used information gathered by PSI and others.

SCS has conducted a geotechnical analysis of the revised filling sequence to expressly address slope stability of the landfill, estimated settlement of the landfill foundation, and the allowable bearing capacity of the soils underlying the landfill due to the revised fill sequence plan. Geotechnical calculations were computed showing the impact due to the modifications to the current permit design. Calculations are contained in Attachment C.

Slope Stability

SCS conducted a slope stability comparison of the current design and the proposed modified grading plan. The two primary areas of interest were rotational failure of the entire landfill and rotational failure of the upper portion of the landfill due to the increase in height. As shown in Table 1, no significant changes in the slope stability from the previous permit design are anticipated and the revised design provides stable conditions.

TABLE 1. SLOPE STABILITY FACTORS OF SAFETY

North/South Section		East/West Section		Comment
Current Permit	Revised Permit	Current Permit	Revised Permit	
1.67	1.61	1.74	1.61	Failure through foundation
1.43	1.42	1.42	1.49	Failure through waste material

Settlement

SCS conducted a settlement calculation of the landfill foundation and compared the current and revised estimated deflections at the center of the landfill footprint. Leachate is gathered by a collection system located on the perimeter of the landfill. Excessive deflections at the center of the landfill could possibly allow ponding of leachate and effect the efficiency of the collection system. As shown in the Table 2, no significant changes in the deflection of the foundation from the previous design were computed and the revised design settlements are not anticipated to allow ponding of leachate.

TABLE 2. ESTIMATED SETTLEMENT

Settlement in Middle of Landfill		
Current Permit	Revised Permit	Difference
0.57 ft (6.8 in)	0.64 ft (7.7 in)	0.07 ft (0.84 in)

Bearing Capacity

SCS conducted a bearing capacity estimate of the landfill foundation soils. The landfill foundation soils are a medium dense sandy clay and a stiff low plasticity soil. Based on the slope stability and settlement analysis the foundation soils have ample bearing capacity. To estimate the amount of excess capacity the foundation soils contain, SCS estimated the amount of pressure required on the foundation soils that could potentially cause excessive deflection of the center of the landfill. Based upon calculations contained in Attachment C, the estimated excess bearing capacity of the landfill foundation is approximately 3,000 pounds per square foot. Because the foundation has excess capacity, the revised design is sufficient.

STORMWATER MANAGEMENT

SCS computed the anticipated runoff quantities for use in design of stormwater control structures. The overall site stormwater management design was not analyzed by SCS and was assumed to have sufficient capacity to receive runoff from the landfill.

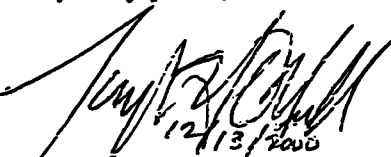
Ms. Susan Pelz, P.E.
December 13, 2000
Page 4

SCS computed estimated runoff flowrates using guidelines in the Southwest Florida Water Management District's (SWFWMD) ERP manual. A Type II, Florida Modified, 25-year-24hour storm event was used for rainfall distribution. The 25 year-24 storm event has a rainfall amount of approximately 8.2 inches. This is consistent with the method used by PBS&J for the leachate storage tanks. SCS determined runoff subbasins for the revised buildout plans. Using SWFWMD guidelines, SCS computed stormwater runoff quantities for each subbasin. Runoff will be routed to terrace swales and downchutes. The terrace swales and downchutes during fill operations have been designed to convey the design storm. The delineation of the subbasins, runoff quantities, and calculations are contained in Attachment D.

Downchutes or drainage structures will be required in at least the three locations shown in the revised permit modification drawings. The revised permit modification drawings are contained in Attachment E. Final design of the stormwater conveyance structures will be performed as part of the final closure design and permitting.

Please contact us if you have any questions or require any additional information.

Very truly yours,



Joseph H. O'Neill, P.E.
Senior Project Engineer
SCS ENGINEERS



Raymond J. Dever, P.E., D.E.E.
Vice President
SCS ENGINEERS

JHO/RJD:jho
Attachments

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 12/18/00 Subject Hardee CL2 Mod.
Time 1:15pm Permit No. _____
County Hardee
M/s Janice Williamson Telephone No. 863-773-5089
Representing Hardee County Solid Waste
☐ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting called to request fee \$100 and
small county waiver language for the sequence mod.
Janice thinks she sent the fee with the past
modification, but it may have been returned when
Susan Paly told them to go higher. Janice will
look into this & send check if necessary.

- checked file - no record of previous fee or request.

1/24/01

(continue on another
sheet, if necessary)

Signature

Title

[Signature]
ESI, OPS



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

October 5, 2000

Mr. Terry W. Kite CPA, Audit Manager
Purvis Gray & Company
Post Office Box 23999
Gainesville, Florida 33602

Re: Hardee County Audit

Dear Mr. Kite:

In response to your September 30, 2000 letter of inquiry regarding the compliance status of the Hardee County landfill, the following is a brief synopsis of the status of each component of the facility:

A. Materials Recovery Facility and Waste Tire Processing Facility

In regard to design and operation of the materials recovery facility and waste tire processing facility, the facilities are in compliance with Department requirements.

B. Class I Landfill

All operation features of the landfill are presently in compliance with Department requirements.

C. Financial Responsibility

In regard to financial responsibility requirements for the facility components, Hardee County is in compliance with Department requirements.

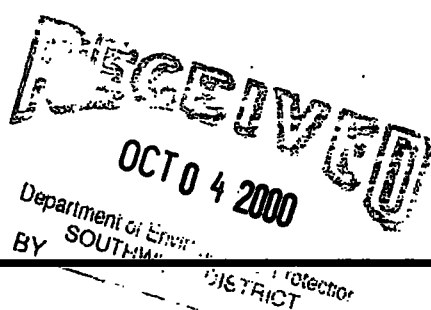
Should you have any further questions in regard to this matter, please contact me at (813) 744-6100 ext. 385.

Sincerely,

Steven G. Morgan
Solid Waste Compliance/Enforcement
Southwest District

cc: Robert Butera, SW

Hardee Co LF
Op permit
J 10/9



**Purvis
Gray &
Company**

September 30, 2000

Department of Environmental Protection
Attn: Mr. Steven G. Morgan
Solid Waste Section
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Dear Mr. Morgan:

In connection with our audit of Hardee County, Florida for the fiscal year ended September 30, 2000, please provide us with the following information:

- Advise us as to whether Hardee County was in compliance with Department of Environmental Protection requirements governing its County landfill as of September 30, 2000.

Your prompt response is appreciated.

Sincerely,

PURVIS, GRAY AND COMPANY

Terry W. Kite, CPA

Terry W. Kite, C.P.A.
Audit Manager

TWK/db

Certified Public Accountants

P.O. Box 23999 • 222 N.E. 1st Street • Gainesville, Florida 32602 • (352) 378-2461 • FAX (352) 378-2505

MEMBERS OF AMERICAN AND FLORIDA INSTITUTES OF CERTIFIED PUBLIC ACCOUNTANTS
MEMBER OF AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS PRIVATE COMPANIES AND S.E.C. PRACTICE SECTIONS

S P
Handee Golf
Permit file

Department of Environmental Protection
BY SOUTHWEST DISTRICT

RECEIVED
JUL 27 2000

WTDI

Waste Transportation & Disposal Inc.

Corporate Office:

2187 Northlake Parkway, Building 9, Suite 29

Tucker, Georgia 30084

Ph: 800 901-0081

Fax: 770 934-9236

Email: WTDInc@yahoo.com

Introduction

Waste Transportation and Disposal, Inc. is a full service company capable solving a wide variety of environmental problems. Using the experience and expertise of our staff as well as our network of vendors, we offer our customers a single source alternative to meet their on-site and remediation needs.

Comprehensive Services

Waste Transportation & Disposal is experienced in virtually every type of service needed to manage an environmental project and can perform the entire job for our customers. We provide all types of specialized manpower, equipment, trucks and facilities, which are tailored to meet our customers' needs for any given environmental project. Our understanding of project management encompasses waste characterization, lab analysis, accurate profiling and manifesting, on-site scheduling as well as off-site coordination with the disposal facility. With our working knowledge of environmental remediation projects, we can provide competitive rates for the transportation and disposal of waste for cleanup projects throughout North America, Puerto Rico and the Virgin Islands.

Qualified Personnel

Waste Transportation & Disposal personnel have a combined 15 years of project and waste industry experience. Each member of our staff has worked directly for several types of disposal facilities where they have gained working knowledge of the technical and regulatory issues that affect our industry. Our personnel are 40-hour, 8-hour Site Supervisor, along with HM 215A, 181 and 126F certified. In addition, any subcontractors provided by WTDI will have the applicable training and certification in all types of hazardous materials handling and remediation activities.

Waste Transportation & Disposal provides our contractors with a single point of contact for the management and coordination of all transportation and disposal variables associated with their projects.

The remainder of our Statement of Qualifications provides an overview of our capabilities in a range of completed services and projects. We have provided these examples to demonstrate our experience and versatility with respect to successfully performing the tasks necessary to complete remediation projects.

Waste Transportation and Disposal, Inc.

Site Service Project Resume

US EPA/ NSF/ GC Quality Lubricants Site

Macon, GA

Scope of Work: Federal project requiring excavation, transportation, and disposal of TPH impacted material at an oil-blending site. 148,951.00 gallons of contaminated water was wastewater treated and 26,243.65 tons of TPH contaminated soil was transported off-site and directly disposed of in a subtitle D landfill.

US EPA/ A & E Customs

Fort Pierce, FL

Scope of Work: Federal project requiring identification, transportation and disposal of several different waste streams at a chrome plating facility. In the first phase, water contaminated with hexavalent chrome, chromic acid contaminated with lead and cadmium, non-hazardous liquid, and chromium contaminated soil and debris were transported off-site and disposed of utilizing treatment methods such as chemical oxidation, wastewater treatment, and acid neutralization. In the second phase, unused acids and bases, non-hazardous debris, cyanide contact water, cyanide vat bottoms, and cyanide contaminated metal debris were transported off-site and disposed of utilizing treatment methods such as chemical oxidation, deep-well injection, and micro encapsulation.

US EPA/ American Brass Site

Headland, AL

Scope of Work: Federal project requiring excavation, transportation and disposal of non-hazardous soils at a smelting and foundry facility. 45,550.97 tons of non-hazardous ball mill waste was transported off-site for direct disposal in a subtitle D landfill.

US EPA/ Old Stake Road

Chadbourn, NC

Scope of Work: Federal project requiring excavation, transportation and disposal of D008 soils at a residential site that had been previously contaminated by an industrial facility. 1,311.54 tons of lead contaminated material was chemically treated and disposed of in a subtitle C landfill.

US EPA/ IPC Oil Site

Jackson, MS

Scope of Work: Federal project requiring excavation, transportation and disposal of non-hazardous soil impacted with hydrocarbons. 2,553.00 tons of material was transported off-site for disposal in a subtitle D landfill.

US EPA/ Village Custom Radiator

Hialeah, FL

Scope of Work: Federal project requiring excavation, transportation and disposal of non-hazardous soil contaminated with low-level metals concentrations at a radiator shop. 855.49 tons of material was transported off-site for disposal in a subtitle D landfill.

US EPA/ J & J Signs Facility

Tampa, FL

Scope of Work: Federal project requiring classification, transportation and disposal of mercury impacted material and non-hazardous material at a sign manufacturing facility. 200 yards of mercury contaminated debris ranging from building demolition to soils was characterized by WTDI to be mercury contaminated debris rather than soil with debris resulting in a significant reduction in treatment and disposal cost. This D009 debris was micro encapsulated and disposed of in subtitle C landfill. 2,000 tons of non-hazardous soil was transported off-site for disposal in a subtitle D landfill.

RADIAN INTERNATIONAL/ USACE/ W.R. Grace

Baltimore, MD

Scope of Work: FUSRAP site requiring the transportation of Pre-1978 11e2 radioactive material to Waste Control Specialists in Andrews, TX from an Atomic Energy Department contracted facility that provided research and development during the Manhattan Project that buried hazardous waste drums from an unknown source. 160 yd³ of radioactive material, stored in B-25 boxes, was emptied into 25-yard roll-off containers, and then the B-25's were cut down and shipped with the material.

GA EPD/ Liberty Oil Site

Moultrie, GA

Scope of Work: State project requiring the excavation, transportation and disposal of non-hazardous waste from an old oil processing facility. 5,000 tons of non-hazardous soil was transported off-site for disposal in a subtitle D landfill.

GA EPD/ Han Har

Ludowici, GA

Scope of Work: State project requiring the classification, transportation and disposal of various waste streams from an abandoned site. 8,000 gallons of non-hazardous water, acid mixture containing hydrochloric, nitric, and sulfuric acids, and 23-drums of various acids and oxidizers were transported off-site for disposal utilizing methods such as wastewater treatment and acid neutralization.

TDEC/ Russell Pest/ Orkin Site
Knoxville, TN

Scope of Work: State project requiring classification, excavation, transportation and disposal of pesticide impacted material at an extermination facility. 393.22 tons of soil contaminated with chlordane, heptachlor, heptachlor epoxide, and TPH was treated using chemical oxidation and disposed of in a subtitle D landfill.

TDEC/ Henry County/ Carl Wright & Boneyard Sites
Paris, TN

Scope of Work: State project requiring excavation, transportation and disposal of SVOC/ VOC impacted materials on two drum burial site locations. 2,129.89 tons of VOC contaminated soil from the Boneyard site was transported off-site for disposal in a subtitle D landfill. 4557.64 tons of VOC contaminated soil was transported off-site for disposal in a subtitle D landfill and 2,000 gallons of oil and water non-hazardous waste was wastewater treated from the Carl Wright site.

SC DHEC/ Greenville County Landfill
Greer, SC

Scope of Work: State project requiring classification, excavation, transportation, disposal and site restoration of cadmium impacted material at county landfill. 2,300 tons of D006 soils were treated through a d-listing process and disposed of in a subtitle D landfill.

SC DHEC/ Siemons Plating
Spartanburg, SC

Scope of Work: Emergency state project requiring the classification, transportation and disposal of several waste streams found in a residential property used as a small scale plating facility. 20-yards of cyanide encrusted plating vats were transported off-site for micro encapsulation and subtitle C disposal. 54 drums of varying acids, cyanide plating liquids, and known and unknown labpack drums were transported off-site and disposed of utilizing such methods acid neutralization, deepwell injection and incineration.

TN DOT
Jackson, TN

Scope of Work: State Department of Transportation project requiring classification, excavation, transportation and disposal of lead impacted materials and paint related waste at a DOT location where they decontaminated bridge equipment associated with lead based paint abatement. 100 tons of D008 soil was transported off-site, d-listed, and disposed of in a subtitle D landfill. 5 drums of paint related material was fuels blended with a rotary cement kiln.

ARCHER DANIELS MIDLAND

Macon, GA

Scope of Work: Massive PRP project requiring the clean up and closure of a consumer grade oil processing facility. 1000 tons of non-hazardous TPH contaminated soil and gravel from an existing on-site rail spur was excavated with a cribbing bucket, transported and disposed of in a subtitle D landfill. 6,000 gallons of No. 6 fuel oil from a above ground storage tank was removed via vacuum tanker and recycled and 10,000 gallons of decon water was wastewater treated. The tank was decontaminated via confined space entry, with pressure washing equipment and bioremediated. 2,500 tons of TPH contaminated soil that was surrounding the No. 6 fuel oil tank was excavated and disposed of in a subtitle D landfill. 40 drums of various acids were sent to a wastewater facility for beneficial reuse. 65 drums of non-hazardous oil and related material were characterized, and solidified at an off-site disposal facility.

ARCHER DANIELS MIDLAND TRUCKING

Macon, GA

Scope of Work: VAP project requiring pit and oil/ water separator clean out and closure. 300 tons of oily material was solidified in the pit, the pit bottom and walls were decontaminated, mechanically excavated, transported and disposed in a subtitle D landfill. The pit and the oil/ water separator were back-filled and capped with clay and gravel.

AMERISTEEL

Tampa, FL

Scope of Work: VAP requiring the disposal of 6,000 gallons of 97% sulfuric acid. WTDI found a wastewater facility that was capable of using this material as a product thus replacing the need for disposal with beneficial reuse resulting in a significant cost savings for the client.

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, GA

Scope of Work: Multiple laboratory closure and chemical relocation. Manually labeled and packaged all of the laboratory chemicals for each of the labs and moved them to the lab's new location.

UNIVERSITY OF GEORGIA

Athens, GA

Scope of Work: Annual large scale project requiring the characterization, labeling, transportation and disposal of all off-spec, used and unused laboratory chemicals and related materials. Three truckloads of various hazardous waste codes were transported and treated off-site.

INTERNATIONAL PAPER

Cordele, GA

Scope of Work: VAP project requiring the provision of labor, characterization, transportation and disposal of non-hazardous waters from a surface impoundment. 100,000.00 gallons of water was transported to a pretreatment facility where it was chemically treated and discharged to the local POTW.

OSH KOSH/ CELINA FINISHING

Celina, TN

Scope of Work: Annual VAP project requiring the decontamination of inside and outside wastewater collection pits from the washing of blue jean material. 300 tons of non-hazardous material was exothermically treated and solidified with lime kiln dust, mechanically excavated, transported and disposed of in a subtitle D landfill.

SOUTHWIRE

Carrollton, GA

Scope of Work: VAP project requiring the decontamination of oil and coolant pits. 600 tons of non-hazardous material was solidified utilizing a facility by-product material and disposed of in a subtitle D landfill. This by-product was originally being transported to the landfill as a waste and WTDI discovered its beneficial reuse as a solidification agent.

Analytical Results & FL DEP Final Decision

For Soils From:

Wal-Mart – Auburndale, Florida Site

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB92454

Accura Project #: 24481

Client: Waste Transportation & Disposal

Date Sampled: 5/22/00

Client Contact: BRIAN MATHIS

Date Received: 5/22/00

Client Project Number:

Date Reported: 6/1/00

Client Project Name:

Sample Matrix: SOIL

Client Sample ID: WRS-FLA

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name

Analytical Results

Reported Detection Limits

TCLP Extraction

COMPLETE

ANALYSIS: TCLP Herbicides

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

2,4,5-TP (Silvex) (Reg Limit = 1.0)

<RDL

0.10

2,4-D (Reg Limit = 10.0)

<RDL

0.10

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Mercury (Reg Limit = 0.2)

<RDL

0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Arsenic (Reg Limit = 5.0)

<RDL

1.0

Barium (Reg Limit = 100.0)

<RDL

1.0

Cadmium (Reg Limit = 1.0)

<RDL

1.0

Chromium (Reg Limit = 5.0)

<RDL

1.0

Lead (Reg Limit = 5.0)

<RDL

1.0

Selenium (Reg Limit = 1.0)

<RDL

1.0

Silver (Reg Limit = 5.0)

<RDL

1.0

ANALYSIS: TCLP Pesticides

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Chlordane (Reg Limit = 0.03)	<RDL	0.010
Endrin (Reg Limit = 0.02)	<RDL	0.0010
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.0020
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.0010
Methoxychlor (Reg Limit = 10)	<RDL	0.0050
Toxaphene (Reg Limit = 0.5)	<RDL	0.050

ANALYSIS: TCLP SVOC's

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.04
2,4,5-Trichlorophenol (Reg Limit=400.0)	<RDL	0.04
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.04
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.04
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.04
Hexachlorobutadiene (Reg Limit = 0.5)	<RDL	0.04
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.04
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.04
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.08
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

ANALYSIS: TCLP ZHE VOC's

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

ANALYSIS: TCLP-ZHE Leaching Ext.

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name**Analytical Results****Reported Detection Limits**

TCLP-ZHE Extraction

COMPLETE

ANALYSIS: X TCLP Herbicide Sample Surroga

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

DCAA (Range 30-150)

83

ANALYSIS: X TCLP Pest Sample Surrogates

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl (Range D-169)

96

Tetrachloro-m-xylene (Range 5-156)

84

ANALYSIS: X TCLP VOC Sample Surrogates

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4 (84-116)

107

4-Bromofluorobenzene (91-110)

98

Toluene-d8 (86-107)

90

ANALYSIS: X TCLP SVOC Sample Surrogates

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

2,4,6-Tribromophenol (Range 45-132)

94

2-Fluorobiphenyl (Range 63-118)

88

2-Fluorophenol (Range 32-119)

110

Nitrobenzene-d5 (Range 50-125)


94

p-Terphenyl-d14 (Range 9-112)

72

Phenol-d5 (Range 37-115)

88


Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT**Accura Sample ID #: AB92454****Accura Project #: 24481-A**

Client: Waste Transportation & Disposal

Date Sampled: 5/22/00

Client Contact: BRIAN MATHIS

Date Received: 5/22/00

Client Project Number:

Date Reported: 7/19/00

Client Project Name:

Sample Matrix: SOIL

Client Sample ID: WRS-FLA

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name**Analytical Results****Reported Detection Limits**

TCLP Extraction

COMPLETE

ANALYSIS: TCLP Herbicides

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

2,4,5-TP (Silvex) (Reg Limit = 1.0)

<RDL

0.10

2,4-D (Reg Limit = 10.0)

<RDL

0.10

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

Mercury (Reg Limit = 0.2)

<RDL

0.002

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

Arsenic (Reg Limit = 5.0)

<RDL

0.066

Barium (Reg Limit = 100.0)

0.14B

0.017

Cadmium (Reg Limit = 1.0)

<RDL

0.017

Chromium (Reg Limit = 5.0)

<RDL

0.018

Lead (Reg Limit = 5.0)

<RDL

0.029

Selenium (Reg Limit = 1.0)

<RDL

0.050

Silver (Reg Limit = 5.0)

<RDL

0.023

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Pg 3 of 9

Client Sample ID: WRS-FLA

AALSample ID #: AB92454 Accura Project #: 24481-A

ANALYSIS: TCLP Pesticides

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Chlordane (Reg Limit = 0.03)	<RDL	0.010
Endrin (Reg Limit = 0.02)	<RDL	0.0010
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.0020
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.0010
Methoxychlor (Reg Limit = 10)	<RDL	0.0050
Toxaphene (Reg Limit = 0.5)	<RDL	0.050

ANALYSIS: TCLP SVOC's

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.004
2,4,5-Trichlorophenol (Reg Limit=400.0)	<RDL	0.007
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.004
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.009
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.007
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.006
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.003
Hexachlorobutadiene (Reg Limit = 0.5)	<RDL	0.004
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.006
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.005
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.08
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

ANALYSIS: TCLP ZHE VOC's

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Pg 4 of 9

Client Sample ID: WRS-FLA

AALSample ID #: AB92454 Accura Project #: 24481-A

ANALYSIS: TCLP-ZHE Leaching Ext.

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name**Analytical Results****Reported Detection Limits**

TCLP-ZHE Extraction

COMPLETE

ANALYSIS: X TCLP Herbicide Sample Surrogate

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

DCAA (Range 30-150)

83

ANALYSIS: X TCLP Pest Sample Surrogates

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl (Range D-169)

96

Tetrachloro-m-xylene (Range 5-156)

84

ANALYSIS: X TCLP VOC Sample Surrogates

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4 (84-116)

107

4-Bromofluorobenzene (91-110)

98

Toluene-d8 (86-107)

90

ANALYSIS: X TCLP SVOC Sample Surrogates

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

2,4,6-Tribromophenol (Range 45-132)

94

2-Fluorobiphenyl (Range 63-118)

88

2-Fluorophenol (Range 32-119)

110

Nitrobenzene-d5 (Range 50-125)

94

p-Terphenyl-d14 (Range 9-112)

72

Phenol-d5 (Range 37-115)

88

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT**Accura Sample ID #: AB95773****Accura Project #: 24986****Client: Waste Transportation & Disposal****Date Sampled: 7/8/00****Client Contact: BRIAN MATHIS****Date Received: 7/17/00****Client Project Number:****Date Reported: 7/19/00****Client Project Name: WRS/WALMART****Sample Matrix: SOIL****Client Sample ID: WRS/WALMART****ANALYSIS: Metals - Mercury - RCRA****Method Ref: 7471A****Date Ext/Dig/Prep: 7/18/00****Date Analyzed: 7/18/00****Result Units: mg/Kg****Analyte Name****Analytical Results****Reported Detection Limits****Mercury****<RDL****0.50****ANALYSIS: Metals - RCRA****Method Ref: 3050B/6010B****Date Ext/Dig/Prep: 7/18/00****Date Analyzed: 7/19/00****Result Units: mg/Kg****Analyte Name****Analytical Results****Reported Detection Limits****Arsenic****<RDL****5.0****Barium****13****5.0****Cadmium****<RDL****0.50****Chromium****9.0****5.0****Lead****7.2****5.0****Selenium****<RDL****5.0****Silver****<RDL****5.0****ANALYSIS: Pesticides****Method Ref: 8081A****Date Ext/Dig/Prep: 7/17/00****Date Analyzed: 7/18/00****Result Units: ug/Kg****Analyte Name****Analytical Results****Reported Detection Limits****4,4'-DDD****<RDL****17****4,4'-DDE****<RDL****17****4,4'-DDT****<RDL****33****Aldrin****<RDL****17****alpha-BHC****<RDL****17****alpha-Endosulfan****<RDL****17****beta-BHC****<RDL****17****beta-Endosulfan****<RDL****17****delta-BHC****<RDL****17****Dieldrin****<RDL****17****Endosulfan sulfate****<RDL****17****Endrin****<RDL****17**

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Pg 1 of 4

Client Sample ID: WRS/WALMART

AAL Sample ID #: AB95773 Accura Project #: 24986

Endrin aldehyde	<RDL	17
Endrin ketone	<RDL	17
gamma-BHC (Lindane)	<RDL	17
Heptachlor	<RDL	17
Heptachlor epoxide	<RDL	17
Methoxychlor	<RDL	83
Total Chlordane-Technical	760	170
Toxaphene	<RDL	830

ANALYSIS: X Pest Sample Surrogate (soils)

Method Ref: 8081A

Date Ext/Dig/Prep: 7/17/00

Date Analyzed: 7/18/00

Result Units: %

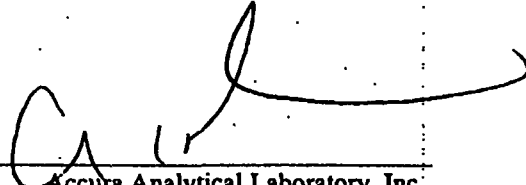
Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl (Range 18-135)

128

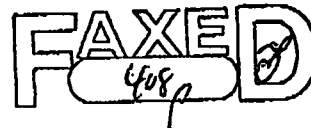
Tetrachloro-m-xylene (Range 35-110)

108


Accura Analytical Laboratory, Inc.

**Florida Department of
Environmental Protection****Southwest District****FAX TRANSMITTAL****DATE: July 24, 2000**

TO: Janice Williamson, Hardee County
Phone: (863) 773-5089
Fax: (863) 773-3907



FROM: Susan Pelz, P.E. Phone: (813) 744-6100 ext 386
Fax: (813) 744-6125

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET -1-

SUBJECT: Hardee County, Operations Permit No.: 38414-002-SO
Request to store and utilize Recovered Screened Material from WalMart,
Auburndale, for landfill cover material
Analytical results received July 20, 2000 from WTDI

The Solid Waste Section has reviewed the analytical results referenced above, and does not object to the management of this material at your facility subject to the following conditions:

1. The material shall be used exclusively within the landfill property (i.e. not used offsite);
2. The material may be used for initial or intermediate cover;
3. The material shall be stored within the area encompassed by the groundwater monitoring system; and
4. Runoff from the stockpile shall be controlled to minimize impacts to the stormwater management system.

If you have any questions, you may contact me at the phone number listed above.

**** Transmit Conf. Report ****

P.1

Jul 24 2000 16:11

Telephone Number	Mode	Start	Time	Pages	Result	Note
818637733907	NORMAL	24,16:07	1'25"	1	OK	

**Florida Department of
Environmental Protection****Southwest District**

FAX TRANSMITTAL**DATE: July 24, 2000**

TO: Janice Williamson, Hardee County
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**** Transmit Conf. Report ****

P.1

Jul 25 2000 9:22

Telephone Number	Mode	Start	Time	Pages	Result	Note
817709349236	NORMAL	25, 9:21	1'09"	1	# O K	

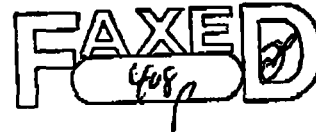
To: Brian Mathis

Fax: 770-934-9236

**Florida Department of
Environmental Protection****Southwest District****FAX TRANSMITTAL**

DATE: July 24, 2000

TO: Janice Williamson, Hardee County
Phone: (863) 773-5089
Fax: (863) 773-3907



FROM: Susan Pelz, P.E. *SP* Phone: (813) 744-6100 ext 386
Fax: (813) 744-6125

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET -1-

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Florida Department of
Environmental Protection

Southwest District

To: Brian Mathis
FAXED
Fax: 770-934-9236

FAX TRANSMITTAL

DATE: July 24, 2000

TO: Janice Williamson, Hardee County
Phone: (863) 773-5089
Fax: (863) 773-3907

FAXED
408 p

FROM: Susan Pelz, P.E.  Phone: (813) 744-6100 ext 386
Fax: (813) 744-6125

TOTAL NUMBER OF PAGES, INCLUDING COVER SHEET -1-

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WTDI

Waste Transportation & Disposal Inc.

2187 Northlake Pkwy, Suite 29
Tucker, Georgia 30084

Facsimile Cover Sheet

To: Susan Pelz

From: Brian Mathis

Phone:

Fax:

813-744-6125

Phone:

Main:

Fax:

Waste Transportation & Disposal, Inc.

800 901-0081

770 934-2040

770 934-9236

Fax Date:

7/12

of pages w/cover: 2

These are the actual levels
for the TCLP.

CALIBRATION TEST FOR THE EQUIPMENT

1 As1936	.02153	1.47253	.0009
2 Ba1934	.00126	11.1471	.9936
3 Cd2265	.00319	3.61926	.0001
4 Cr2677	.00013	2.91613	.0020
5 Pb2203	.00439	1.8502	.0128
6 Se1960	.00193	.85126	.0433
7 Ag3280	.00879	1.65753	1.004
8 Cu3247	.0012	2.23453	.0010
9 Al3082	.02566	1.86266	1.013
10 Ca3179	.00433	1.149	.0023
11 Fe2599	.00566	4.53539	.0041
12 Mg2790	.00079	.8564	.0171

# Element:	ICV 1	ICR	ICR A	ICR AB	SS I	SS I LOW
FIRST QUALITY CONTROL TEST <i>STANDARD</i>						
1 As1936	2.048	.1004	0.1488	2.054	.1961	.0593
2 Ba4934	1.977	.0005	.0012	.5587	0.1776	.0408
3 Cd2265	1.998	.0005	.0095	.5685	.0035	.0015
4 Cr2677	1.996	.0007	.0035	.5557	.0203	.0075
5 Pb2203	1.960	.0029	.0152	1.875	.0367	.0051
6 Se1960	2.018	.0375	.0150	1.001	.2109	.0891
7 Ag3280	1.964	.0014	.0180	.5636	.0040	.0014
8 Cu3247	2.013	.0006	.0086	.5802	.0233	0.0105
9 Al3082	Q2.190	.0500	50.29	50.06	.1688	.0210
10 Ca3179	1.980	.0041	48.51	48.46	.0275	.0169
11 Fe2599	1.978	.0012	48.56	48.11	.0905	.0190
12 Mg2790	1.942	.0117	50.29	50.03	.0164	.0124

# Element:	SS Ag	pre 1700	1cs 500B	1cs 400B	92454	92454 d
<div> <div>ACTUAL TEST GROUP</div> <div> <div>1) 92454</div> <div>2) 92454 d</div> </div> </div>						
1 As1936	2.128	.1563	4.312	4.274	.0386	.0576
2 Ba4934	2.012	.0197	4.063	4.053	.1441	.1521
3 Cd2265	.0517	.0021	4.117	4.150	.0023	.0003
4 Cr2677	.2062	.0082	4.117	4.128	.0123	.0123
5 Pb2203	.5074	.0094	4.091	4.131	.0153	.0194
6 Se1960	2.075	.0293	4.023	4.083	.0619	.0260
7 Ag3280	.0503	.0060	4.032	4.031	.0003	.0016
8 Cu3247	.2700	.0322	4.102	4.126	.0151	.0192
9 Al3082	2.041	.0459	4.681	4.357	1.929	1.941
10 Ca3179	.0059	.9277	4.469	4.525	95.95	98.51
11 Fe2599	1.001	.0171	4.069	4.047	.8409	.8680
12 Mg2790	.0049	.0855	4.027	4.030	17.37	10.09

# Element	ICV 2	ICV 1	ICR	92454	92454	92454
FINAL QC TEST						
1 As1936	.0025	2.020	.0999	4.261	4.076	4.101
2 Ba4934	.9910	1.970	.0008	4.312	4.066	4.125
3 Cd2265	.0017	2.014	.0002	4.141	3.962	4.041
4 Cr2677	.0034	2.015	.0009	4.120	3.951	4.027
5 Pb2203	.0009	1.964	.0184	4.204	4.006	4.141

ALL STANDARDS & SPIKES ARE MEASURED CONTAMINATES INJECTED INTO THE SAMPLE TO DETERMINE THAT THE EQUIPMENT IS MEASURING ACCURATELY.

EXPLANATION.

- SS Ag - MEASUREMENT TEST AGAINST SILVER (HARD METAL)
- PRE 1700 - BLANK TEST - PRE-DETERMINED MEASUREMENT TEST
- LCS 500B - CONTROL SPIKE
- LCS 500B - CONTROL SPIKE
- 1) 92454 - SAMPLE ONE ACTUAL CONTAMINATE LEVELS.
- 2) 92454 d - SAMPLE TWO ACTUAL CONTAMINATE LEVELS.

WTDI

Waste Transportation & Disposal, Inc.

2187 Northlake Pkwy, Suite 29
Tucker, Georgia 30084

Facsimile Cover Sheet

To: Susan Pelz

Phone: 813 744-6100

Fax: 813 744-6125

From: Brain Mathis

Waste Transportation & Disposal, Inc.

Phone: 800 901-0081

Cell: 404 307-2754

Fax: 770 934-9236

Fax Date: 7/20/00

of pages w/cover: 8

Dear Ms. Pelz:

Following is the original TCLP and a TCLP with actual limits if reportable. Please note that the reportable limits on the second TCLP represent the lowest reading the test equipment will allow. If the reading is lower than the reportable limit then the "< RDL" is indicated. Please note that Accura Analytical Laboratories' FL Certification # F87429 is indicated on the front page of each set of analyticals.

The third set of analyticals are the totals for metals and pesticides as you requested. The same information has been faxed to Janice Williamson at the Western Berks Co. Landfill. She will contact you for your decision on whether or not this material can be used as cover. Also, please contact me with your decision as soon as possible.

Sincerely,



Brian Mathis
Waste Transportation & Disposal, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # R07429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB92454

Accura Project #: 24481

Client: Waste Transportation & Disposal

Client Contact: BRIAN MATIIS

Client Project Number:

Client Project Name:

Client Sample ID:

WRS-FLA

Date Sampled: 5/22/00

Date Received: 5/22/00

Date Reported: 6/1/00

Sample Matrix: SOIL

Method Ref:

ANALYSIS: TCLP Extraction Procedure

Date Ext/Dig/Prep:

5/22/00

Date Analyzed: 5/23/00

Result Units:

Method Ref: 1311

Analyte Name

Analytical Results

Reported Detection Limits

TCLP Extraction

COMPLETE

ANALYSIS: TCLP Herbicides

Method Ref: 8151A

Date Ext/Dig/Prep:

5/24/00

Date Analyzed: 5/25/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

2,4,5-TP (Silvex) (Reg Limit = 1.0)

<RDL

0.10

2,4-D (Reg Limit = 10.0)

<RDL

0.10

.07 mg/L

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Ext/Dig/Prep:

5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Mercury (Reg Limit = 0.2)

<RDL

0.01

.002

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Ext/Dig/Prep:

5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Arsenic (Reg Limit = 5.0)

<RDL

1.0

.05

Barium (Reg Limit = 100.0)

<RDL

1.0

Cadmium (Reg Limit = 1.0)

<RDL

1.0

.005

Chromium (Reg Limit = 5.0)

<RDL

1.0

.1

Lead (Reg Limit = 5.0)

<RDL

1.0

.015

Selenium (Reg Limit = 1.0)

<RDL

1.0

Silver (Reg Limit = 5.0)

<RDL

1.0

.1

ANALYSIS: TCLP Pesticides

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: mg/l.

Analyte Name**Analytical Results****Reported Detection Limits**

Chlordane (Reg Limit = 0.03)	<RDL	0.010	✓ .002
Endrin (Reg Limit = 0.02)	<RDL	0.0010	✓ .
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.0020	✓ .0004
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.0010	✓ .
Methoxychlor (Reg Limit = 10)	<RDL	0.0050	✓ .
Toxaphene (Reg Limit = 0.5)	<RDL	0.050	✓ .003

ANALYSIS: TCLP SVOC's

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/l.

Analyte Name**Analytical Results****Reported Detection Limits**

1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.04
2,4,5-Trichlorophenol (Reg Limit = 100.0)	<RDL	0.04
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.04
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.04
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.04
Hexachlorobutadiene (Reg Limit = 0.5)	<RDL	0.04
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.04
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.04
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.08
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

ANALYSIS: TCLP ZHE VOC's

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/l.

Analyte Name**Analytical Results****Reported Detection Limits**

1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

ANALYSIS: TCLP-ZHE Leaching Ext.

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name**Analytical Results****Reported Detection Limits**

TCLP-ZHE Extraction

COMPLETE

ANALYSIS: X TCLP Herbicide Sample Surrogates

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

DCAA (Range 30-150)

83

ANALYSIS: X TCLP Pest Sample Surrogates

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl (Range D-169)

96

Tetrachloro-m-xylene (Range S-156)

84

ANALYSIS: X TCLP VOC Sample Surrogates

Method Ref: 8260D

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4 (R4-116)

107

4-Bromofluorobenzene (91-110)

98

Toluene-d8 (86-107)

90

ANALYSIS: X TCLP SVOC Sample Surrogates

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

2,4,6-Tribromophenol (Range 45-132)

94

2-Fluorobiphenyl (Range 63-118)

88

2-Fluorophenol (Range 32-119)

110

Nitrobenzene-d5 (Range 50-125)

94

p-Terphenyl-d14 (Range 9-112)

72

Phenol-d5 (Range 37-115)

88



Accura Analytical Laboratory, Inc.

LABORATORY REPORT

Accura Sample ID #: AB92454

Accura Project #: 24481-A

Client: Waste Transportation & Disposal

Date Sampled: 5/22/00

Client Contact: BRIAN MATHIS

Date Received: 5/22/00

Client Project Number:

Date Reported: 7/19/00

Client Project Name:

Sample Matrix: SOIL

Client Sample ID: WRS-FLA

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

TCLP
w/ TOTALS

Analyte Name

Analytical Results

Reported Detection Limits

TCLP Extraction

COMPLETE

ANALYSIS: TCLP Herbicides

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

2,4,5-TP (Silvex) (Reg Limit = 1.0)

<RDL

0.10

2,4-D (Reg Limit = 10.0)

<RDL

0.10

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Mercury (Reg Limit = 0.2)

<RDL

0.002

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

Arsenic (Reg Limit = 5.0)

<RDL

0.066 ← THIS IS THE
LOWEST READING
THE TEST EQUIPMENT
WILL ALLOW. IF THE
READING IS ABOVE
THIS LEVEL IT GIVES
US A READING IF
NOT INDICATED BY
THE <RDL.

Barium (Reg Limit = 100.0)

0.148

0.017

Cadmium (Reg Limit = 1.0)

<RDL

0.017

Chromium (Reg Limit = 5.0)

<RDL

0.018

Lead (Reg Limit = 5.0)

<RDL

0.029

Selenium (Reg Limit = 1.0)

<RDL

0.050

Silver (Reg Limit = 5.0)

<RDL

0.023

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Pg 3 of 9

Client Sample ID: WRS-FLA

AAL Sample ID #: AB92454 Accura Project #: 24481-A

ANALYSIS: TCLP Pesticides

Met. Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: mg/L

Analyte Name	Analytical Results	Reported Detection Limits
Chlordane (Reg Limit = 0.03)	<RDL	0.010
Endrin (Reg Limit = 0.02)	<RDL	0.0010
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.0020
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.0010
Methoxychlor (Reg Limit = 10)	<RDL	0.0050
Toxaphene (Reg Limit = 0.5)	<RDL	0.050

ANALYSIS: TCLP SVOC's

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name	Analytical Results	Reported Detection Limits
1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.004
2,4,5-Trichlorophenol (Reg Limit=400.0)	<RDL	0.007
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.004
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.009
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.007
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.006
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.003
Hexachlorocyclopentadiene (Reg Limit = 0.5)	<RDL	0.004
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.006
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.005
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.08
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

ANALYSIS: TCLP ZINC VOC's

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name	Analytical Results	Reported Detection Limits
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

ACCURA ANALYTICAL LABORATORY, INC.

<RDL - Less than Reported Detection Limit

Pg 4 of 9

Client Sample ID: WRS-FLA

AALSample ID #: AB92454 Accura Project #: 24481-A

ANALYSIS: TCLP-ZHE Leach Ext.

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte NameAnalytical ResultsReported Detection Limits

TCLP-ZHE Extraction

COMPLETE

ANALYSIS: X TCLP Herbicide Sample Surrogate

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: %

Analyte NameAnalytical ResultsReported Detection Limits

DCAA (Range 30-150)

83

ANALYSIS: X TCLP Pest Sample Surrogates

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: %

Analyte NameAnalytical ResultsReported Detection Limits

Decachlorobiphenyl (Range D-169)

96

Tetrachloro-m-xylene (Range 5-156)

84

ANALYSIS: X TCLP VOC Sample Surrogates

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: %

Analyte NameAnalytical ResultsReported Detection Limits

1,2-Dichloroethane-d4 (84-116)

107

4-Bromofluorobenzene (91-110)

98

Toluene-d8 (86-107)

90

ANALYSIS: X TCLP SVOC Sample Surrogates

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: %

Analyte NameAnalytical ResultsReported Detection Limits

2,4,6-Tribromophenol (Range 45-132)

94

2-Fluorobiphenyl (Range 63-118)

88

2-Fluorophenol (Range 32-119)

110

Nitrobenzene-d5 (Range 50-125)

94

p-Terphenyl-d14 (Range 9-112)

72

Phenyl-d5 (Range 37-115)

88

Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

<RDL> Less than Reported Detection Limit

Pg 5 of 9

Client Sample ID: WRS-FLA

AALS Sample ID #: AB92454 Accura Project #: 24481-A

ACCURA ANALYTICAL LABORATORY, INC.

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FL Certification # E87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB95773

Accura Project #: 24986

Client: Waste Transportation & Disposal

Date Sampled: 7/8/00

Client Contact: BRIAN MATHIS

Date Received: 7/17/00

Client Project Number:

Date Reported: 7/19/00

Client Project Name: WRS/WALMART

Sample Matrix: SOIL

Client Sample ID: WRS/WALMART

ANALYSIS: Metals - Mercury - RCRA

Method Ref: 7471A

TOTALS

Date Ext/Dig/Prep: 7/18/00

Date Analyzed: 7/18/00

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Mercury

<RDL

0.50

ANALYSIS: Metals - RCRA

Method Ref: 3050B/6010B

Date Ext/Dig/Prep: 7/18/00

Date Analyzed: 7/19/00

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Arsenic

<RDL

5.0

Barium

13

5.0

Cadmium

<RDL

0.50

Chromium

9.0 ✓

5.0

Lead

7.2 ✓

5.0

Selenium

<RDL

5.0

Silver

<RDL

5.0

ANALYSIS: Pesticides

Method Ref: 8081A

Date Ext/Dig/Prep: 7/17/00

Date Analyzed: 7/18/00

Result Units: ug/Kg

Analyte Name

Analytical Results

Reported Detection Limits

4,4'-DDD

<RDL

17

4600

4,4'-DDE

<RDL

17

4,4'-DDT

<RDL

33

Aldrin

<RDL

17

alpha-BHC

<RDL

17

alpha-Endosulfan

<RDL

17

beta-BHC

<RDL

17

beta-Endosulfan

<RDL

17

delta-BHC

<RDL

17

Dieldrin

<RDL

17

Endosulfan sulfate

<RDL

17

Endrin

<RDL

17

ACCURA ANALYTICAL LABORATORY, INC.

<RDL = Less than Reported Detection Limit

Pg 1 of 4

Client Sample No. 1677 WALMART

JUL 20 2000 9:59AM WASTE TRANSPORT & DISPOSAL

Endrin aldehyde	<RDL	17
Endrin ketone	<RDL	17
gamma-BHC (Lindane)	<RDL	17
Heptachlor	<RDL	17
Heptachlor epoxide	<RDL	17
Methoxychlor	<RDL	83
Total Chlordane-Technical	760	170
Toxaphene	<RDL	830

3100 µg/kg

ANALYSIS: X Pest Sample Surrogate (soils)

Method Ref: 8081A

Date Ext/Dig/Prep: 7/17/00

Date Analyzed: 7/18/00

Result Units: %

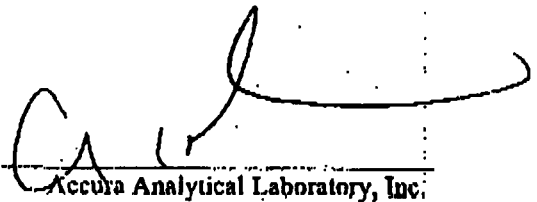
Analyte NameAnalytical ResultsReported Detection Limits

Decachlorobiphenyl (Range 18-135)

128

Tetrachloro-m-xylene (Range 35-110)

108



Accura Analytical Laboratory, Inc.

SP 7/10

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 7/7/00 Subject GW ISSUES
Time 1055 Permit No. 38414-002-50
County HANDCE
MS JANICE WILLIAMSON Telephone No. 863 241-773-5089
Representing HANDCE COUNTY

☐ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting ITEMS DISCUSSED w/ J.W.:

- ① P-6 WAS ABANDONED DUE TO ITS PROXIMITY TO THE ACCESS ROADWAY,
AS APPROVED BY SUSAN PELZ
- ② P-3 WAS REPAIRED
- ③ MW-6/MW-7 W/L & CONDUCTIVITY DATA WILL BE INCLUDED IN UPCOMING REPORT
- ④ SHE THOUGHT NEW WELLS MW-8/MW-9 WERE ANALYZED AS REQUIRED
BY THE OPERATING PERMIT ; I REFERRED HER TO CONDITION 35.6. FOR
INITIAL SAMPLING EVENT @ NEW WELLS
- ⑤ WELL CONSTRUCTION DETAILS FOR NEW WELLS / PIEZOMETERS WILL BE
INCLUDED IN CONSTRUCTION COMPLETION DOCUMENTATION TO BE PROVIDED
BY PBS&J

7/11/00 300p - ASKED JANICE WHEN CERTIFICATION WILL BE SUBMITTED?
- SHE WILL CONTACT DAVE DEANS & HAVE HIM E-MAIL OR
CALL ME w/ EST. DATE.

(continue on another
sheet, if necessary)

Signature J. Morris
Title _____

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 6/26/00
Time 200p
M Javice

Subject _____
Permit No. _____
County _____
Telephone No. _____

Representing _____

☐ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

- revise plans w/ cross-section
- bearing capacity, settlement, slope stability
- look at existing stormwater if it will work
then don't need to revise, if not then
may need to redesign
- discussed Walt-mart Arbitration DSM
- she is concerned about taking mat'l
- I told her we don't object if it is stored
on impervious surface (on within lined area)
& is bermed so no runoff to stormwater
- they can use it as initial cover

(continue on another
sheet, if necessary)

Signature _____

Title _____

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 6/12/00
Time 1021

Subject Wal-Mart Auburndale

Permit No. _____

County _____

M Brian Mathis

Telephone No. 800-901-0081

Representing _____

☒ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

- RSM from 'old' LF excavation to Hardee Co LF
for initial cover
- debris being disposed @ Polk NC
- Approx. 20,000 cy total ≈ 30-35,000 cy
- call Janice Williamson

- 6/30/00 842
- told him that I had talked w/ Janice
 - I discussed operational issues w/ her
 - stone RSM on impervious surface
on on top of LF
 - beam to prevent runoff
 - told him it's up to Hardee Co whether
they will take mat'l - from regulatory
standpoint, we (Janice & I) discussed ~~it~~
is no problem

(continue on another
sheet, if necessary)

Signature _____

Title _____

[Signature]
PEI

WTDI

Waste Transportation & Disposal Inc.

2187 Northlake Pkwy, Suite 29
Tucker, Georgia 30084

Facsimile Cover Sheet

To: -Suzan Pelz

Phone: 813-744-6100

Fax: 813-744-6125

From: Brian Mathis

Waste Transportation & Disposal, Inc.

Phone: 800 901-0081

Main: 770 934-2040

Fax: 770 934-9236

Fax Date: 6/12/00

of pages w/cover: 9

Dear Ms. Peltz,

The following is the TCLP's for the Wal-Mart job site. We ran TCLP's on two different samples that were created from the mixed screened material (organic and sand), each sample consist of separate composite samples consisting of two separate grids. Also included is the letter to Polk Co. that needs to reflect the results of the TCLP's

Again thanks for taking time to do this and please call us back as soon as possible.

Sincerely,

Brian Mathis



Department of Environmental Protection

Jeff Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Smith
Secretary

February 24, 2000

Ms. Ana Wood
Polk County Solid Waste Director
10 Environmental Loop
Winter Haven, FL 33880

Re: Use and Storage of Contaminated Soil as Initial Cover Material Originating from the
Wal-Mart/Auburndale Construction Site

Dear Ms. Wood:

The Department has no objection if screened soil from the referenced site is used for initial cover only. To avoid a litter problem at the site the Department requests that at a minimum 50% of the soil pass a 1/4" sieve size and 100% pass a 2" sieve size at the screening operation at the source. All material not passing the 2" sieve such as the plastics, and other associated nursery debris shall be disposed of as waste at the Class I landfill.

Due to a review of the analyticals the material must be stored within either the Phase I or Phase II lined areas. If stored in the new Phase II area care shall be taken to avoid removal of the drainage medium over the liner. The County should use a colored net or fabric as a separation between the soil and sand layer to caution the operators as to the upper surface of the drainage medium during the time of removal of the soil for cover use. The County may also store the contaminated soil within the waste tire paved area provided the storage pile is covered and no discharge to the stormwater system occurs. A shallow berm may be required to be installed to prevent discharge where the curb and/or containment are discontinuous. Rainwater which contacts that soil will be considered to be leachate, and must be managed appropriately.

If you have any questions relating to this letter contact either Susan Pelz or myself at 813-744-6100 ext. 386 or Ext. 431 respectively.

Sincerely,

Robert J. Butler, P.E.
Solid Waste Manager
Southwest District

cc: Susan Pelz, P.E. - FDEP
John Morris, FDEP - FDEP
John Kolek, Polk County

RECEIVED

FEB 28 2000

SOLID WASTE DIVISION

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

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FL Certification # F87429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB92454

Accura Project #: 24481

Client: Waste Transportation & Disposal

Date Sampled: 5/22/00

Client Contact: BRIAN MATHIS

Date Received: 5/22/00

Client Project Number:

Date Reported: 6/1/00

Client Project Name:

Sample Matrix: SOIL

Client Sample ID: WRS-FLA

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name:

Analytical Results

Reported Detection Limits

TCLP Extraction

COMPLETE

ANALYSIS: TCLP Herbicides

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: mg/L

Analyte Name:

Analytical Results

Reported Detection Limits

2,4,5-TP (Silvex) (Reg Limit = 1.0)
2,4-D (Reg Limit = 10.0)

<RDL
<RDL

0.10
0.10

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name:

Analytical Results

Reported Detection Limits

Mercury (Reg Limit = 0.2)

<RDL

0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name:

Analytical Results

Reported Detection Limits

Arsenic (Reg Limit = 5.0)
Barium (Reg Limit = 100.0)
Cadmium (Reg Limit = 1.0)
Chromium (Reg Limit = 5.0)
Lead (Reg Limit = 5.0)
Selenium (Reg Limit = 1.0)
Silver (Reg Limit = 5.0)

<RDL
<RDL
<RDL
<RDL
<RDL
<RDL
<RDL

1.0
1.0
1.0
1.0
1.0
1.0
1.0

ANALYSIS: TCLP Pesticides

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Chlordane (Reg Limit = 0.03)	<RDL	0.010
Endrin (Reg Limit = 0.02)	<RDL	0.0010
Heptachlor & Hep Epoxide (Limit = 0.008)	<RDL	0.0020
Lindane (gamma-BHC) (Reg Limit = 0.4)	<RDL	0.0010
Methoxychlor (Reg Limit = 10)	<RDL	0.0050
Toxaphene (Reg Limit = 0.5)	<RDL	0.050

ANALYSIS: TCLP SVOC's

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,4-Dichlorobenzene (Reg Limit = 7.5)	<RDL	0.04
2,4,5-Trichlorophenol (Reg Limit=400.0)	<RDL	0.04
2,4,6-Trichlorophenol (Reg Limit = 2.0)	<RDL	0.04
2,4-Dinitrotoluene (Reg Limit = 0.13)	<RDL	0.04
2-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
4-Methylphenol (Reg Limit = 200.0)	<RDL	0.04
Hexachlorobenzene (Reg Limit = 0.13)	<RDL	0.04
Hexachlorobutadiene (Reg Limit = 0.5)	<RDL	0.04
Hexachloroethane (Reg Limit = 3.0)	<RDL	0.04
Nitrobenzene (Reg Limit = 2.0)	<RDL	0.04
Pentachlorophenol (Reg Limit = 100.0)	<RDL	0.08
Pyridine (Reg Limit = 5.0)	<RDL	0.04
Total Cresol (Reg Limit = 200.0)	<RDL	0.04

ANALYSIS: TCLP ZHE VOC's

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

ANALYSIS: TCLP-ZHE Leaching Ext.

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name**Analytical Results****Reported Detection Limits**

TCLP-ZHE Extraction

COMPLETE

ANALYSIS: X TCLP Herbicide Sample Surrogates

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

DCAA (Range 30-150)

83

ANALYSIS: X TCLP Pest Sample Surrogates

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

Decachlorobiphenyl (Range D-169)

96

Tetrachloro-m-xylene (Range S-156)

84

ANALYSIS: X TCLP VOC Sample Surrogates

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

1,2-Dichloroethane-d4 (84-116)

107

4-Bromofluorobenzene (91-110)

98

Toluene-d8 (86-107)

90

ANALYSIS: X TCLP SVOC Sample Surrogates

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: %

Analyte Name**Analytical Results****Reported Detection Limits**

2,4,6-Tribromophenol (Range 45-132)

94

2-Fluorobiphenyl (Range 63-118)

88

2-Fluorophenol (Range 32-119)

110

Nitrobenzene-d5 (Range 50-125)


94

p-Terphenyl-d14 (Range 9-112)

72

Phenol-d5 (Range 37-115)

88


Accura Analytical Laboratory, Inc.

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30017, Phone (770)449-8800, FAX (770)449-5477

FL Certification # 1887429

NC Certification # 483

SC Certification # 98015

USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: AB92455

Accura Project #: 24481

Client: Waste Transportation & Disposal

Date Sampled: 5/22/00

Client Contact: BRIAN MATHIS

Date Received: 5/22/00

Client Project Number:

Date Reported: 6/1/00

Client Project Name:

Sample Matrix: SOIL

Client Sample ID: METHOD BLANK

ANALYSIS: Diesel Range Organics (DRO)

Method Ref: 8015B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/26/00

Result Units: mg/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Diesel Range Organics (DRO)

<RDL

10

ANALYSIS: PCB's

Method Ref: 8082

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/25/00

Result Units: ug/Kg

Analyte Name

Analytical Results

Reported Detection Limits

Aroclor-1016

<RDL

17

Aroclor-1221

<RDL

33

Aroclor-1232

<RDL

33

Aroclor-1242

<RDL

17

Aroclor-1248

<RDL

17

Aroclor-1254

<RDL

17

Aroclor-1260

<RDL

17

ANALYSIS: TCLP Extraction Procedure

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

Analyte Name

Analytical Results

Reported Detection Limits

TCLP Extraction

COMPLETE

ANALYSIS: TCLP Herbicides

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: mg/L

Analyte Name

Analytical Results

Reported Detection Limits

2,4,5-TP (Silvex) (Reg Limit = 1.0)

<RDL

0.10

2,4-D (Reg Limit = 10.0)

<RDL

0.10

ANALYSIS: TCLP Mercury

Method Ref: 7470A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

Mercury (Reg Limit = 0.2)

<RDL

0.01

ANALYSIS: TCLP Metals

Method Ref: 3010A/6010B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/30/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

Arsenic (Reg Limit = 5.0)

<RDL

1.0

Barium (Reg Limit = 100.0)

<RDL

1.0

Cadmium (Reg Limit = 1.0)

<RDL

1.0

Chromium (Reg Limit = 5.0)

<RDL

1.0

Lead (Reg Limit = 5.0)

<RDL

1.0

Selenium (Reg Limit = 1.0)

<RDL

1.0

Silver (Reg Limit = 5.0)

<RDL

1.0

ANALYSIS: TCLP Pesticides

Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

Chlordane (Reg Limit = 0.03)

<RDL

0.010

Endrin (Reg Limit = 0.02)

<RDL

0.0010

Heptachlor & Hcp Epoxide (Limit = 0.008)

<RDL

0.0020

Lindane (gamma-BHC) (Reg Limit = 0.4)

<RDL

0.0010

Methoxychlor (Reg Limit = 10)

<RDL

0.0050

Toxaphene (Reg Limit = 0.5)

<RDL

0.050

ANALYSIS: TCLP SVOC's

Method Ref: 8270C

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/31/00

Result Units: mg/L

Analyte Name**Analytical Results****Reported Detection Limits**

1,4-Dichlorobenzene (Reg Limit = 7.5)

<RDL

0.04

2,4,5-Trichlorophenol (Reg Limit=400.0)

<RDL

0.04

2,4,6-Trichlorophenol (Reg Limit = 2.0)

<RDL

0.04

2,4-Dinitrotoluene (Reg Limit = 0.13)

<RDL

0.04

2-Methylphenol (Reg Limit = 200.0)

<RDL

0.04

4-Methylphenol (Reg Limit = 200.0)

<RDL

0.04

Hexachlorobenzene (Reg Limit = 0.13)

<RDL

0.04

Hexachlorobutadiene (Reg Limit = 0.5)

<RDL

0.04

Hexachloroethane (Reg Limit = 3.0)

<RDL

0.04

Nitrobenzene (Reg Limit = 2.0)

<RDL

0.04

Pentachlorophenol (Reg Limit = 100.0)

<RDL

0.08

Pyridine (Reg Limit = 5.0)

<RDL

0.04

Total Cresol (Reg Limit = 200.0)

<RDL

0.04

ANALYSIS: TCLP ZHE VOC's

Method Ref: 8260B

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/24/00

Result Units: mg/L

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
1,1-Dichloroethene (Reg Limit = 0.7)	<RDL	0.05
1,2-Dichloroethane (Reg Limit = 0.5)	<RDL	0.05
Benzene (Reg Limit = 0.5)	<RDL	0.05
Carbon tetrachloride (Reg Limit = 0.5)	<RDL	0.05
Chlorobenzene (Reg Limit = 100.0)	<RDL	0.05
Chloroform (Reg Limit = 6.0)	<RDL	0.05
Methyl ethyl ketone (Reg Limit = 200.0)	<RDL	0.5
Tetrachloroethene (Reg Limit = 0.7)	<RDL	0.05
Trichloroethene (Reg Limit = 0.5)	<RDL	0.05
Vinyl chloride (Reg Limit = 0.2)	<RDL	0.05

ANALYSIS: TCLP-ZHE Leaching Ext.

Method Ref: 1311

Date Ext/Dig/Prep: 5/22/00

Date Analyzed: 5/23/00

Result Units:

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
TCLP-ZHE Extraction	COMPLETE	

ANALYSIS: X DRO OC Surrogates (Soil)

Method Ref: 8015B

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/26/00

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
n-Terphenyl (Range 62-130)	96	

ANALYSIS: X PCB OC Surrogates (soil)

Method Ref: 8082

Date Ext/Dig/Prep: 5/25/00

Date Analyzed: 5/25/00

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl (Range 68-139)	118	

ANALYSIS: X TCLP Herbicide OC Surrogates

Method Ref: 8151A

Date Ext/Dig/Prep: 5/24/00

Date Analyzed: 5/25/00

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
DCAA (Range 30-150)	104	

ANALYSIS: X TCLP Pest OC Surrogates

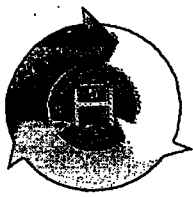
Method Ref: 8081A

Date Ext/Dig/Prep: 5/26/00

Date Analyzed: 5/31/00

Result Units: %

<u>Analyte Name</u>	<u>Analytical Results</u>	<u>Reported Detection Limits</u>
Decachlorobiphenyl (Range 35-133)	101	



38414

JM JM

685 AIRPORT ROAD
WAUCHULA, FL 33873-8663
PHONE: (863) 773-5000
FAX: (863) 773-3907

5089

38414

Hardee County Solid Waste Department

RECEIVED

MAY 17 2000

Department of Environmental Protections
BY SOUTHWE

May 12, 2000

Department of Environmental Protections
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619-8316

RE: Request for Extension

Dear Ms. Pelz:

Specific Condition number 38 of the Class I Operations Permit (#38414-002-SO) requires that an evaluation of our Groundwater Monitoring Plan be submitted by July 1, 2000. We will be using Hardee County's, newly established, in-house engineering department to fulfill this requirement. In order for our staff to have sufficient time to study the accumulative data and the new computer software, we are requesting a ninety-(90) day extension on the due date for this report. Please advise.

Should you have any questions or concerns please feel free to contact me.

Sincerely,

Janice Williamson

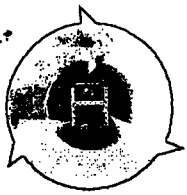
Janice Williamson
Solid Waste Superintendent

CC: Hardee County Engineering Department

5/25/00 @ 1100

TELECOM w/ JANICE WILLIAMSON
TO APPROVE TIME REQUEST FOR
EXTENSION. SHOULD BE SUBMITTED
ON OR BEFORE 10/1/00.

JM



685 Airport Road
Wauchula, FL 33873
(941) 773-5089
Fax (941) 773-3907

Hardee County Solid Waste Department

February 23, 2000

Department of Environmental Protections
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619-8316

Re: Minor modification to Class I operating Permit # 38414-002-SO

Dear Ms. Pelz:

Attached are three copies of a new filling sequence plan for the class I landfill. This new plan allows for two minor changes previously discussed with you.

1. Steeper slopes on the top to allow us use of baled waste.
2. Filling a large portion of the existing leachate ditch with MSW, instead of the entire ditch being filled with C & D debris only. This allows us to close the ditch more quickly without a long term dewatering situation.

Your consideration is greatly appreciated, and should you have any questions or comment please feel free to contact me.

Sincerely,

Janice Williamson
Solid Waste Superintendent

JW/tc

RECEIVED
MAR 16 2000
Department of Environmental Protection
BY SOUTHWEST DISTRICT

Printed on recycled paper

SCS ENGINEERSTO Vanice WilliamsDATE March 3, 2000JOB NO. 09199033.02ATTENTION Vanice WilliamsonRe: HANDER COUNTYFILL SEQUENCE

WE ARE SENDING YOU

☒ Attached ☐ Under separate cover via _____☐ Shop drawings ☐ Prints☐ Copy of letter ☐ Change orderthe following items: ☐ Plans ☐ Samples☐ Specifications ☒ VIA FedExFLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

MAR 16 2000

SOUTHWEST DISTRICT
TAMPA

COPIES	DATE	DESCRIPTION
3		modified fill sequence drawings for FDEP
2		modified fill sequence drawings for your records

THESE ARE TRANSMITTED as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☒ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Vanice,Per your request, I have forwarded 5 copies of
the modified fill sequence drawingsPlease distribute as follows:3 Copies to FDEP (Susan Pelz)2 Copies for your records

COPY TO _____

SIGNED: _____



SCS ENGINEERS

November 24, 1999

File No. 0999033.02

Mr. Kim B. Ford, P.E.

Florida Department of Environmental Protection

3804 Coconut Palm Drive

Tampa, Florida 33619

Depar:

By SCS

NOV 2 1999

Subject: Financial Assurance, Aerial Topographic Survey, and Landfill Life Estimate
Permit 38414-002-SO, Hardee County Class I Landfill

Dear Kim:

On behalf of Hardee County (County), SCS Engineers (SCS) is submitting the attached annual financial assurance update, aerial topographic map, and estimated remaining service life capacity for the Hardee County Class I Landfill. (See Attachments 1, 2, and 3 respectively.) These submittals are intended to satisfy Specific Condition Numbers 11(b) and 24 (a) of the above-mentioned permit for this year.

The annual update of the closure and long-term care costs were based on last year's approved estimates, adjusted for inflation using the annual inflation factor supplied by Fred Wick of the Florida Department of Environmental Protection (FDEP).

The aerial topography survey was conducted by I. F. Rooks, Inc. on October 23, 1999. SCS has estimated that the net remaining disposal capacity for the landfill (i.e., gross air space volume minus closure cap and cover soils) was approximately 145,900 cubic yards (cy), or 94,850 tons, as of October 23, 1999. The following data sources and assumptions were used to develop this estimate:

- **Gross Air Space Volume:** The gross airspace was estimated by comparing the existing topography, as of October 23, 1999, against the final buildout design elevations for the landfill. Attachment 2 contains the aerial topographic survey. Final buildout elevations were designed and supplied by PBS&J, Incorporated. This volume includes the volume required for the closure cap and daily cover over the waste material.
- **Net Remaining Disposal Capacity:** The net remaining disposal capacity is the volume available for waste disposal. The volume available for waste disposal is the gross air space minus the volume consumed by the required closure cap and daily cover soils. The closure cap thickness was estimated at 2.5 feet in thickness. Daily cover soils were estimated at 10 percent of the gross volume minus the cap volume.

Mr. Kim B. Ford, P.E.
November 24, 1999
Page 2

- **Net Remaining Tonnage:** The net in-place tonnage was estimated based upon a typical conservative unit weight for baled and loose waste materials. SCS estimated an in-place density for the baled and loose materials at 1,300 pounds per cubic yard (pcy). By multiplying the in-place density and the net remaining disposal capacity, the net remaining tonnage was estimated.

The estimated remaining service life of the Class I landfill is dependent on future disposal rates and compaction of the waste materials. Using the net remaining tonnage, the service life of the existing landfill is approximately 5.0 to 5.5 years. The above estimate is based upon an average waste flow rate of approximately 50 tons per day and an in-place density of approximately 1,300 pounds per cubic yard. The estimate is also based on the assumption that all of the available airspace, including the stormwater/leachate ditch, can be utilized. Attachment 3 contains the calculations for the landfill life.

Please contact us if you have any questions or require additional information.

Very truly yours,



Joseph H. O'Neill, P.E.
Project Engineer



Raymond J. Dever, P.E.
Vice President
SCS ENGINEERS

JHO/RJD:jho

Attachments

CC: Janice Williamson

A

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/17/99 Subject GAS MONITORING
Time 1330 Permit No. 3844-002-50
County HANDY
M JANICE WILLIAMSON Telephone No. 941-773-5089

Representing HANDY COUNTY SOLID WASTE

☐ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

LMTC w/ RECEPTIONIST

① LOOKING FOR FIRST QUARTER 1998 GAS MON. REPORT

② CHECKING ON STATUS OF GP-1 THROUGH GP-9

9/24/99 @ 0920 CALLED JANICE AGAIN TO ENQUIRE ABOUT #1 & 2 ABOVE

- GAS PROBES NOT INSTALLED YET

- MARCH 2000 COMPLETED DEADLINE FOR ONGOING LEACHATE TANKS CONSTRUCTION &

LEACHATE TANKS INSTALLATION; DO NOT WANT TO INSTALL GAS PROBES

UNTIL ALL CONSTRUCTION IS COMPLETED TO MINIMIZE POTENTIAL TO DESTROY

NEW PROBES DURING CONTINUING CONSTRUCTION

- J.W. INDICATED WOULD LIKELY HAVE GAS PROBES INSTALLED & READY

TO BE MONITORED PRIOR TO MARCH 2000

- SHE WILL FAX RESULTS OF 1ST QTR 1998 GAS MON. TODAY

(continue on another
sheet, if necessary)

Signature J. MORRIS

Title _____



D.E.P.

SEP 02 1999

Southwest District Tampa

685 Airport Road
Wauchula, FL 33873
(941) 773-5089
Fax (941) 773-3907

Hardee County Solid Waste Department

August 31, 1999

Department of Environmental Protections
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Dear Susan:

I am requesting an extension on Specific Condition #11b and 24a of the Class I Landfill Operational Permit.

We have just recently negotiated an agreement with SCS Engineering to provide consulting services to our Solid Waste Department (PBS&J will continue with the construction project). SCS is currently working on calculating new closure and long term care estimates and Aim Engineering will be conducting the topographic survey of the landfill.

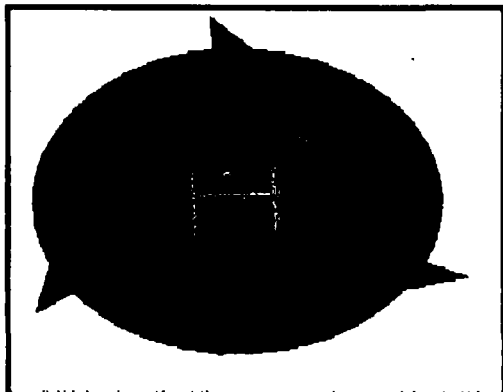
By combining these two conditions, I believe that we can update our remaining capacity figures to a more accurate number and ensure that the escrow account is funded properly. According to the schedule, I estimate that a 30-45 day extension would be sufficient.

Please contact me if there is any problem with this request.

Sincerely,

Janice Williamson
Solid Waste Superintendent

Printed on recycled paper

**HARDEE COUNTY**

**SOLID WASTE DEPARTMENT
MATERIAL RECOVERY FACILITY
665 AIRPORT ROAD
VAUCHULA, FL 33873**

DATE:	8/31/99
TO:	SUSAN PELZ
FROM:	JANICE WILLIAMSON
COPIES TO:	N/A
SUBJECT:	REQUEST FOR EXTENSION
FAX NUMBER:	813-744-6125
NUMBER OF PAGES: (Including this sheet)	2

COMMENTS:
Call if you have any questions.

PLEASE DELIVER THESE PAGES TO THE INDIVIDUAL NAMED ABOVE. IF YOU HAVE ANY DIFFICULTY RECEIVING THIS TRANSMISSION OR IF PAGES ARE MISSING OR ILLEGIBLE, PLEASE CALL (941) 773-5099 AND SPEAK WITH JANICE.

685 Airport Road
Wauchula, FL 33873
(941) 773-3089
Fax (941) 773-3907

Hardee County Solid Waste Department

August 31, 1999

Department of Environmental Protections
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Dear Susan:

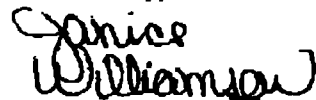
I am requesting an extension on Specific Condition #11b and 24a of the Class I Landfill Operational Permit.

We have just recently negotiated an agreement with SCS Engineering to provide consulting services to our Solid Waste Department (PBS&J will continue with the construction project. SCS is currently working on calculating new closure and long term care estimates and Alm Engineering will be conducting the topographic survey of the landfill.

By combining these two conditions, I believe that we can update our remaining capacity figures to a more accurate number and ensure that the escrow account is funded properly. According to the schedule, I estimate that a 30-45 day extension would be sufficient.

Please contact me if there is any problem with this request.

Sincerely,



Janice Williamson
Solid Waste Superintendent

- should be complete in next couple weeks

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

Date: 4/22/99

Number of pages including cover sheet: 1

To:

JANICE WILLEAMSON
HARDEE COUNTY

Phone:

Fax phone: 941-773-3907

CC:

From:

JOHN MORRIS

Phone:

(813) 744-6100 X 336

Fax phone:

(813) 744-6125

REMARKS:

☐ Urgent

☒ For your review

☐ Reply ASAP

☐ Please comment

JANICE -

SORRY I MISSED YOU, I WAS IN A MEETING THIS AFTERNOON. I REVIEWED YOUR FAX AND AM HAVING THE FOLKS IN RCRA SECTION FOLLOW UP IF SLUDGES FROM A PUBLIC OWNED TREATMENT FACILITY ARE EXCLUDED FROM REGULATIONS OR NOT. BUT THAT MAY NOT BE THE FINAL WORD ON THE MATERIAL FROM WAUCHULA. THE CRITERIA FOR HAZARDOUS MATERIAL IS BASED ON LEACHING TEST (TCLP TEST) RATHER THAN THE TOTAL TESTS REPORTED BY THE LABORATORY. I DON'T HAVE ALL THE ANSWERS YET AND I AM OUT ON FRIDAY, WANTED TO SEND YOU SOMETHING TO WORK WITH AND NOT LEAVE YOU HANGING UNTIL MONDAY. SORRY ABOUT THE DELAY IN GETTING YOU AN ANSWER.

John

Transmit Confirmation Report

No. : 003
Receiver : 819417733907
Transmitter : WASTE MGT TAMPA SWDIST
Date : Apr 23 99 6:29
Time : 01'15
Mode : Norm
Pages : 01
Result : OK



38414

685 Airport Road
Wauchula, FL 33873
(941) 773-5089
Fax (941) 773-3907

Hardee County Solid Waste Department

D.E.P.
MAR 01 1999
Southwest District Tampa

February 26, 1999

284/s
Department of Environmental Protections
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Dear Susan:

RE: SC Number 17b., Permit Number 38414-002-SO

Dear Susan:

As per the above referenced we are submitting a copy of the letter from the City of Wauchula extending our current agreement, with no changes, for another three year period. This will make the expiration date January 11, 2002. Please feel free to contact me should you have any questions or comments.

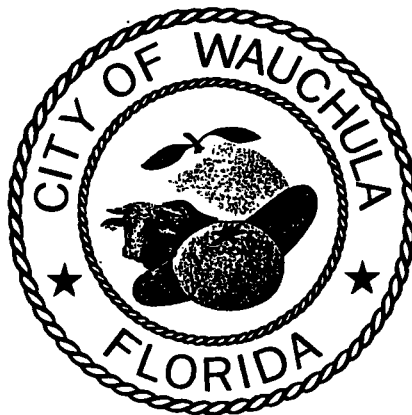
Sincerely,

Janice
Williamson

Janice Williamson
Executive Secretary/Recycling Coordinator

Printed on recycled paper

PUBLIC WORKS DEPARTMENT
726 EAST GREEN STREET
WAUCHULA, FL 33873-3219



(941) 773-3535
FAX (941) 773-6376

February 18, 1999

Mr. Gary Oden, County Manager

Hardee County
412 West Orange Street
Wauchula, FL 33873

Reference: **Leachate Agreement**

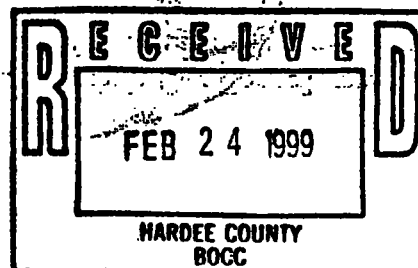
Dear Mr. Oden,

During their regular monthly meeting, February 9, 1999, the Wauchula City Council voted to extend the Leachate Disposal Agreement for another three years. There were no changes to the agreement.

This letter will serve as your official notice of the extension unless you prefer some other type of documentation. Please feel free to call me for any additional information you might need.

Sincerely,

Jerry Conerly
City Administrator



Hardee County Fire Rescue

Office: (941) 773-4362
Billing: (941) 773-3076
Fax: (941) 773-3827

107 North 4th Avenue
Wauchula, FL 33873-2709

25
January 14, 1998

Hardee County Landfill
Recycle Plant
685 Airport Road
Wauchula, FL 33873

RECEIVED
JAN 27 1999
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____


RE: Fire Safety Inspection for Occupancy

Dear County Manager:

During a recent Fire Safety inspection of 685 Airport Road office of the Landfill and Recycle Plant, I noted no violations. All the necessary exit signs and stickers were in place. You are in full compliance with Life Safety Code 101.

If you have any questions or comments please feel free to contact me at 773-4362.

Yours truly,

for 
Michael A. Choate
FF/Paramedic Inspector
Inspector #81898

RB RB
SM
685 AIRPORT ROAD
WAUCHULA, FL 33873
PHONE: 941-773-5089
FAX: 941-773-3907

Hardee County Solid Waste Department

January 11, 1999

D.E.P.

JAN 14 1999

Southwest District Tampa

Department of Environmental Protections
Attention: Susan Pelz *J 1/14/99*
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Dear Susan:

As per your discussion with Janice this morning, we are submitting to you location maps and pictures of the damage that was done to the liner on January 8, 1999. Due to the location of the hole, I believe the damage will cause no environmental problems. None the less, we will have the hole repaired when we have a liner crew on site to install the new liner on the south side of the landfill.

Please feel free to contact me should you have any questions or comments.

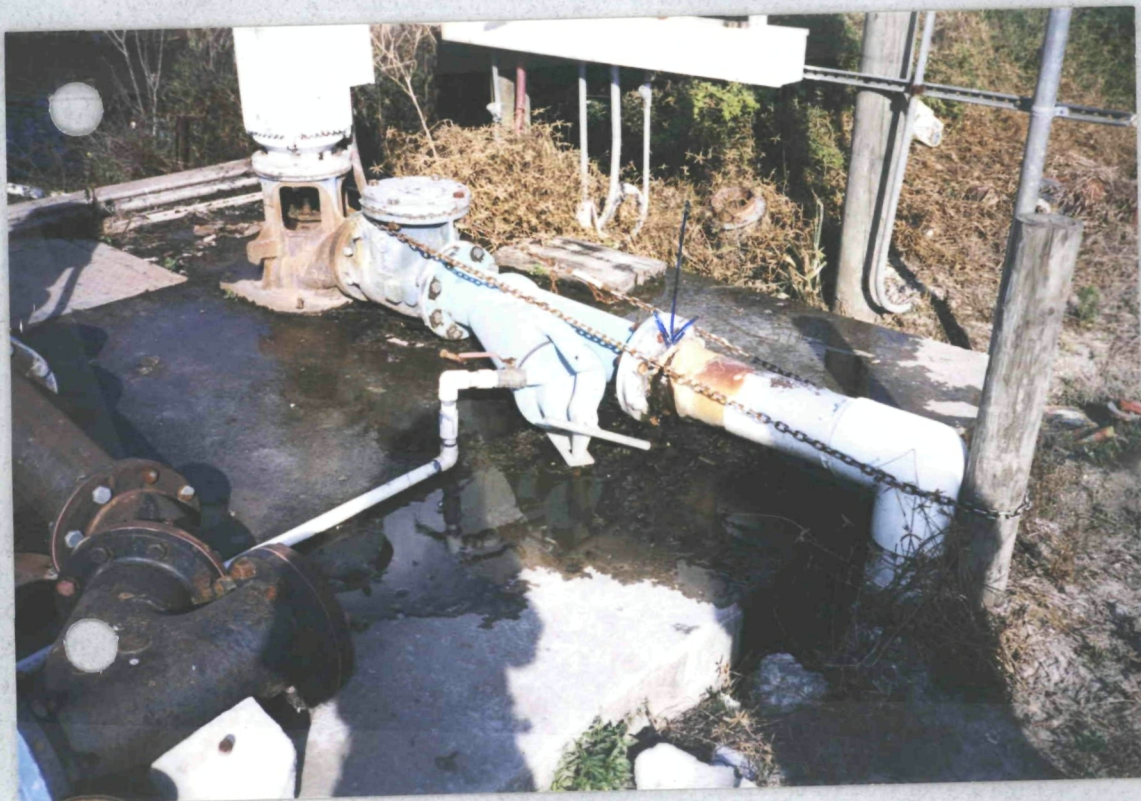
Sincerely,



J.R. Prestridge,
S.W. Superintendent/Assistant County Manager

JW/JRP

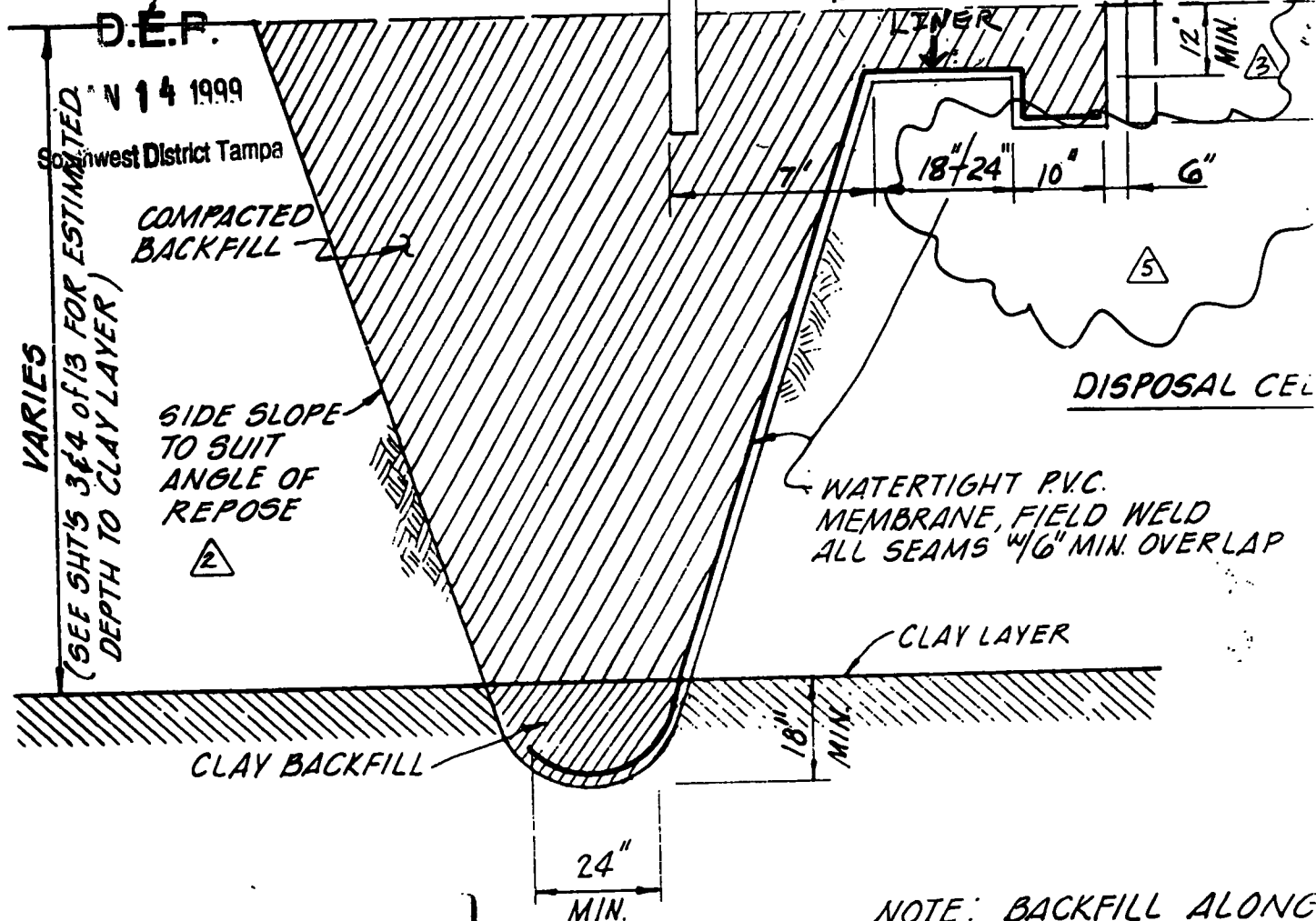
Harder County Solid Waste Department



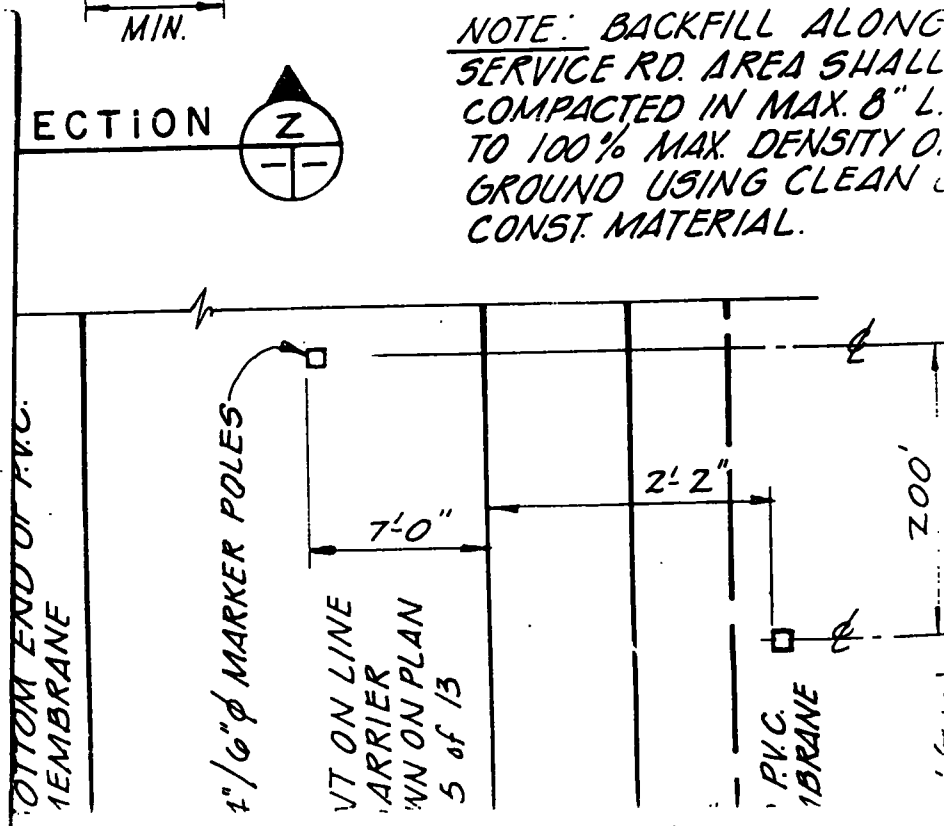


D.E.P. TOP 1'-0" SHALL BE PAINTED
A FLORESCENT ORANGE
JAN 4 1999 (2 COATS REQ'D)

Southwest District Tampa
Exist. Ground



NOTE: BACKFILL ALONG
SERVICE RD. AREA SHALL
COMPACTED IN MAX. 8" L.
TO 100% MAX. DENSITY OF
GROUND USING CLEAN
CONST. MATERIAL.



SM ap
RB RB

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 1/11/98
Time 936

Subject liner team

Permit No. _____

County _____

M Javice Williamson

Telephone No. 941-773-5089

Representing _____

☐ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

- trying to find SE corner of liner
- they cut the top of anchor trench
- they took pictures
- construction is going out to bid in couple weeks
- told her not to cover it, it will be easier to find/repair when construction starts if it's not covered
- she will send letter, diagram showing location & some pictures

(continue on another
sheet, if necessary)

Signature 

Title PE I

