

**SCS ENGINEERS**

February 27, 2007  
File No. 09199033.12

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

Subject: Hardee County Existing Landfill  
Western Sideslope Revision

Dept. of Environmental  
Protection  
FEB 27 2007  
Southwest District

Dear Susan:

As you are aware Hardee County's existing landfill is quickly approaching capacity. Per our previous meeting held on May 25, 2006 in efforts to establish airspace availability within the existing landfill and to start addressing closure, the Florida Department of Environmental Protection (FDEP) allowed waste to be placed at a five foot minimum setback from the existing perimeter liner as per the current Operations Permit along the north and east sides of the existing landfill. A detail was submitted by SCS Engineers (SCS) to FDEP following the meeting to identify the location of the toe of waste within these areas.

Additional airspace will still be desperately needed by the County within the existing landfill area before construction of the Phase II Section I Landfill Expansion is completed and approval has been obtained from FDEP to begin placing waste. SCS and the County has examined additional opportunities to maximize the useable airspace within the existing disposal area until approval has been received to place waste in the Phase II Section I area. Additional airspace may be obtained along the west side of the existing landfill area by following the Operations Permit requirement of maintaining a five foot separation between the toe of waste and the top edge of the perimeter liner system as is currently being done along the north and east sides. Therefore, SCS on behalf of the County, requests to adjust the toe of waste along the western side of the existing landfill to the same conditions that was approved by FDEP for the north and east sideslopes. The toe of waste would be located at a five foot minimum setback from the existing perimeter liner as per the current Operations Permit.

In addition, the sideslopes along the western side of the existing landfill are shown on the Operations Plans to be at a slope of 3.5 (Horizontal):1 (Vertical). SCS has performed a slope stability analysis consisting of both the block and circular failure analysis for the western side of the existing landfill. SCS has kept all of the material properties the same as they were when the slope stability analysis was initially conducted by SCS and submitted to FDEP, but has now changed the western sideslope to a 3 (Horizontal):1 (Vertical) to be consistent with the rest of the landfill. Based on a sideslope of 3 (Horizontal):1 (Vertical) SCS has determined the Factor of Safety without equipment loading for the circular analysis is 1.8 and with equipment loading the Factor of Safety is 1.7. The Factor of Safety without equipment loading for the block analysis was determined to be 1.6 and with equipment loading the Factor of Safety is 1.5. Both the



Ms. Susan Pelz, P.E.  
February 27, 2007  
Page 2

circular and block slope stability analysis is above the required 1.5 Factor of Safety at the proposed sideslope of 3 (Horizontal):1 (Vertical).

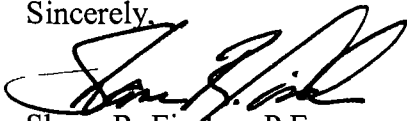
In addition, SCS has also rerun both the block and circular failure slope stability analysis for the western side after the future Phase II Section II Landfill Expansion has been "piggy-backed" onto the western sideslopes of the existing landfill at the proposed 3 (Horizontal):1 (Vertical) once the existing landfill area has reached closure elevations. SCS has rerun both the block and circular failure analysis, again keeping all of the material properties the same as they were when the analysis was initially conducted by SCS and submitted to FDEP. SCS has determined the Factor of Safety without equipment loading for the circular analysis is 1.8 and with equipment loading the Factor of Safety is 1.8. The Factor of Safety without equipment loading for the block analysis is 1.8 and with equipment loading the Factor of Safety is 1.7. Both the circular and block slope stability analysis is above the required 1.5 Factor of Safety at the proposed sideslope of 3 (Horizontal):1 (Vertical) for the existing landfill.

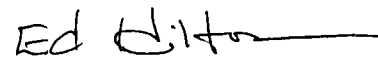
Please refer to Attachment A for the slope stability analysis conducted for the requested change of the western sideslope from 3.5 (Horizontal):1 (Vertical) to 3 (Horizontal):1 (Vertical) at the highest final buildout conditions. In addition, please refer to Attachment B for the slope stability analysis conducted for the western side after the future Phase II Section II Landfill Expansion has been "piggy-backed" onto the western sideslope of the existing landfill at the proposed 3 (Horizontal):1 (Vertical) slope once the existing landfill area has reached closure elevations.

Per the current Operations Permit, the County is required to submit a permit application for the operation of the Phase II Section I Landfill Expansion along with the Certification of Construction Completion report. At that time, the proposed changes requested to the toe of waste location along the western side of the existing landfill and the sideslope change from a 3.5 (Horizontal):1 (Vertical) to 3 (Horizontal):1 (Vertical) can be incorporated into the Operations Drawings.

Please let us know what would be required to begin implementing these proposed changes or if a letter may be issued as with the meeting conducted on May 25, 2006 approving the requested changes so the County may begin working in the area when needed. Please do not hesitate to call should you have any questions or require additional information.

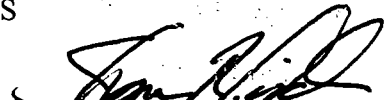
Sincerely,

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

  
Ed Hilton, P.E.  
Solid Waste Director  
SCS ENGINEERS

cc: Teresa Carver, Hardee County Solid Waste Director

SRF/CEH:srf

  
58026  
2/27/07

Hardee ~~County~~  
~~Landfill~~  
Op Permit

**Pelz, Susan**

**From:** Pelz, Susan  
**Sent:** Tuesday, February 27, 2007 1:15 PM  
**To:** 'Fischer, Shane'; Teresa Carver  
**Cc:** Hilton, Ed; Morgan, Steve; Evans, Roger  
**Subject:** RE: Hardee County Landfill

Teresa,

I have reviewed the information dated (and received) February 14, 2007, prepared by SCS Engineers regarding modifying the western slopes of the existing landfill from 3.5H:1V to 3H:1V.

Based on the information received February 14, 2007 and my conversation with SCS on February 27 regarding a revised cover letter, the Department **does not object** to the proposed changes.

The Department is aware of the County's capacity constraints and in order to assist the County in meeting its immediate objectives, a permit modification to include this change will not be required at this time. The information will need to be included in the operation permit modification that is required to initiate the operation of Phase II, Section I, or in another suitable modification.

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

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, FL 33637  
813-632-7600 x 386  
susan.pelz@dep.state.fl.us

---

**From:** Fischer, Shane [mailto:SFischer@SCSEngineers.com]  
**Sent:** Friday, February 02, 2007 11:01 AM  
**To:** Pelz, Susan  
**Cc:** Teresa Carver; Hilton, Ed  
**Subject:** Hardee County Landfill  
**Importance:** High

Susan,

As you are aware Hardee County's existing landfill is quickly approaching capacity. Per our previous meeting held on May 25, 2006 in efforts to establish airspace availability within the existing landfill and to start addressing closure, FDEP allowed waste to be placed at a five foot minimum setback from the perimeter liner as per the current permit along the north and east sides of the existing landfill. A detail was submitted by SCS to FDEP following the meeting to identify the location of the toe of waste within these areas.

Additional airspace will still be desperately needed by the County within the existing landfill before construction of the Phase II Section I expansion is completed and approval has been obtained from FDEP to begin placing waste. SCS and the County has examined additional opportunities to maximize the useable airspace within the existing disposal area until approval has been received to place waste in the Phase II Section I area. Additional airspace may be obtained along the west side of the existing landfill by following the permit requirement of maintaining a five foot separation between the toe of waste and the top edge of the perimeter liner system as is currently being done along the north and east sides. Therefore, SCS on behalf of the County,

2/27/2007

See board report

requests to adjust the toe of waste along the western side of the existing landfill to the same conditions that was approved by FDEP for the north and east sideslopes. The toe of waste would be located at a five foot minimum setback from the perimeter liner as per the current permit.

In addition, the sideslopes along the western side of the existing landfill are shown to be at a slope of 3.5 (H):1 (V). SCS has run both the block and circular failure analysis for the western side of the existing landfill, keeping all of the material properties the same as they were when the analysis was initially conducted by SCS and submitted to FDEP, but has changed the sideslope to a 3 (H): 1 (V) to be consistent with the rest of the landfill. Based on a sideslope of 3 (H): 1 (V) SCS has determined that the Factor of Safety without equipment loading for the circular analysis is 1.8 and with equipment loading the Factor of Safety is 1.7. The Factor of Safety without equipment loading for the block analysis is 1.6 and with equipment loading the Factor of Safety is 1.5. Both the circular and block slope stability analysis is above the required 1.5 Factor of Safety at the proposed sideslope of 3 (H): 1 (V).

In addition, SCS has also rerun both the block and circular failure analysis for the western side after the future Phase II Section II has been "piggy-backed" onto the west sideslopes of the existing landfill at the proposed 3 (H): 1 (V) once the area has reached closure elevations. SCS has rerun both the block and circular failure analysis, again keeping all of the material properties the same as they were when the analysis was initially conducted by SCS and submitted to FDEP. SCS has determined that the Factor of Safety without equipment loading for the circular analysis is 1.8 and with equipment loading the Factor of Safety is 1.8. The Factor of Safety without equipment loading for the block analysis is 1.8 and with equipment loading the Factor of Safety is 1.7. Both the circular and block slope stability analysis is above the required 1.5 Factor of Safety at the proposed sideslope of 3 (H): 1 (V) for the existing landfill.

SCS has attached the slope stability analysis conducted for the requested change of the sideslope from 3.5 (H):1 (V) to 3 (H): 1 (V) for reference.

Per the current Operations Permit, the County is required to submit a permit application for the operation of the Phase II Section I Expansion along with the Certification of Construction Completion report. At that time, the proposed changes requested to the toe of waste location along the west side of the existing landfill and the sideslope change from a 3.5 (H):1 (V) to 3 (H): 1 (V) can be incorporated into the Operations Drawings.

Please let us know what would be required to begin implementing these proposed changes or if a letter may be issued as with the meeting conducted on May 25, 2006 approving the requested changes so the County may begin when needed.

Thank you very much for your assistance with these matters. I can also always be reached on my cell at 813-503-1044.

Thank You

Shane

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**Shane R. Fischer, P.E.**  
**SCS Engineers**  
**3012 U.S. Highway 301 North**  
**Suite 700**  
**Tampa, FL 33619**  
**Phone: (813) 621-0080**  
**Fax: (813) 623-6757**  
**[sfischer@scsengineers.com](mailto:sfischer@scsengineers.com)**  
**<http://www.scsengineers.com>**



**SCS ENGINEERS**

February 14, 2007  
File No. 09199033.12

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

Dept. of Environmental  
Protection  
FEB 14 2007  
Southwest District

Subject: Hardee County Existing Landfill  
Western Sideslope Revision

Dear Susan:

As you are aware Hardee County's existing landfill is quickly approaching capacity. Per our previous meeting held on May 25, 2006 in efforts to establish airspace availability within the existing landfill and to start addressing closure, the Florida Department of Environmental Protection (FDEP) allowed waste to be placed at a five foot minimum setback from the existing perimeter liner as per the current Operations Permit along the north and east sides of the existing landfill. A detail was submitted by SCS Engineers (SCS) to FDEP following the meeting to identify the location of the toe of waste within these areas.


Additional airspace will still be desperately needed by the County within the existing landfill area before construction of the Phase II Section I Landfill Expansion is completed and approval has been obtained from FDEP to begin placing waste. SCS and the County has examined additional opportunities to maximize the useable airspace within the existing disposal area until approval has been received to place waste in the Phase II Section I area. Additional airspace may be obtained along the west side of the existing landfill area by following the Operations Permit requirement of maintaining a five foot separation between the toe of waste and the top edge of the perimeter liner system as is currently being done along the north and east sides. Therefore, SCS on behalf of the County, requests to adjust the toe of waste along the western side of the existing landfill to the same conditions that was approved by FDEP for the north and east sideslopes. The toe of waste would be located at a five foot minimum setback from the existing perimeter liner as per the current Operations Permit.

In addition, the sideslopes along the western side of the existing landfill are shown on the Operations Plans to be at a slope of 3.5 (Horizontal):1 (Vertical). SCS has performed a slope stability analysis consisting of both the block and circular failure analysis for the western side of the existing landfill. SCS has kept all of the material properties the same as they were when the slope stability analysis was initially conducted by SCS and submitted to FDEP, but has now changed the western sideslope to a 3.5 (Horizontal):1 (Vertical) to be consistent with the rest of the landfill. Based on a sideslope of 3.5 (Horizontal):1 (Vertical) SCS has determined the Factor of Safety without equipment loading for the circular analysis is 1.8 and with equipment loading the Factor of Safety is 1.7. The Factor of Safety without equipment loading for the block analysis was determined to be 1.6 and with equipment loading the Factor of Safety is 1.5. Both

## SCS ENGINEERS

April 10, 2006

File No. 09199033.12

Ms. Susan J. Pelz, P.E.   
Solid Waste Management  
Florida Department of Environmental Protection  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637

Subject: Hardee County Landfill, Operation Permit Number 38414-007-SO

Dear Susan:

As you are aware Hardee County's current landfill is quickly approaching capacity. In efforts to establish air space availability and to start to address closure Hardee County has begun working on the east and north side slopes by unearthing excess cover material. The excess material was discovered during site improvement activities being performed in the southeast corner of the landfill. In several areas excess cover material was found to be 10-12 feet thick.

This excess material is currently being stored on top of the landfill and will be used as intermediate and daily cover. In the process of restoring the air space at least 6 inches of cover will remain over the existing waste. Once the available air space and fill sequencing is determined Hardee County will mulch and seed the disturbed areas. Silt fencing has been placed throughout the area to deter potential sedimentation impacts. For your review, photos of the east side slope have been provided as Attachment A

Additionally, SCS Engineers and Hardee County would like to request a meeting with the Department, at your convenience, as we are approaching closure design and would like to discuss closure options with the Department.

If you have any questions concerning the information provided, please feel free to contact us.

Sincerely,



Kimberly Byer, P.G.  
Project Manager  
SCS ENGINEERS



C. Ed Hilton, P.E.  
Solid Waste Director  
SCS ENGINEERS

Cc Teresa Carver, Hardee County Solid Waste Director



**ATTACHMENT A**  
**PHOTOGRAPHS OF THE EAST SIDE SLOPE**  
**HARDEE COUNTY LANDFILL**  
**APRIL 2006**



Photograph 1 - Hardee County Working Face  
April 8, 2006



Photograph 2 - Hardee County east side slope.  
Photo taken facing west.



Photograph 3 - Hardee County northeast sideslope.  
Photo taken facing west.





Photograph 4 - Hardee County east sideslope.  
Photo taken facing northwest.

## SCS ENGINEERS

December 12, 2005  
File No. 09199033.11

DEC 13 2005



Ms. Cathy D. Litscher  
Environmental Specialist II  
Florida Department of Environmental Protection  
3051 N. Telecom Parkway  
Temple Terrace, FL 33637-0926

Subject: Hardee County Solid Waste Wetlands Disturbance Issue  
Hardee County, Florida

Dear Ms. Litscher:

Per our December 8<sup>th</sup> telephone conversation, SCS Engineers (SCS) on behalf of the Hardee County Solid Waste Management Division is officially notifying the Florida Department of Environmental Protection (FDEP) that the wetlands located along the eastern portion of the landfill property was inadvertently disturbed by a Hardee County Public Works employee. While performing site cleanup with a track hoe, the employee ventured into the wetlands and cleared a pathway through the wetlands.

Per our conversation, FDEP will be visiting the site the week of December 12<sup>th</sup>. SCS has contracted the LPA Group Incorporated (LPA) on behalf of the County to complete a wetlands restoration plan for the areas impacted and respectfully requests that an LPA biologist be allowed to accompany the FDEP representative during the visit, in order to discuss the County's restoration plan.

Please contact us at 813-621-0080 with the time and date of the FDEP inspection. SCS and the County appreciate the department's understanding and assistance in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kim Byer'.

Kimberly Byer, P.G.  
Senior Project Professional  
SCS ENGINEERS

A handwritten signature in black ink, appearing to read 'Ed Hilton'.

C. Ed Hilton, P.E.  
Solid Waste Director  
SCS ENGINEERS

Cc: Susan Pelz, Florida Department of Environmental Protection  
Teresa Carver, Hardee County Solid Waste Management Division  
Mariben Andersen, The LPA Group Incorporated

KAB/CEH:kab





Hardee Co LF  
Op Permit

**Pelz, Susan**

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**From:** Byer, Kim [KByer@SCSEngineers.com]  
**Sent:** Monday, December 12, 2005 12:40 PM  
**To:** Cathy.Litscher@dep.state.fl.us  
**Cc:** Pelz, Susan  
**Subject:** Hardee County wetlands disturbance notification

Cathy,

Please find attached the Hardee County Solid Waste notification letter for your review. If you have any questions please feel free to contact me at 813-621-0080.

Thanks,

Kimberly A. Byer, P.G.  
kbyer@scsengineers.com  
1-800-569-9702

SCS Engineers  
3012 U.S. Highway 301 North  
Suite 700  
Tampa, FL 33619-2242  
www.scsengineers.com

1/10/2006

**SCS ENGINEERS**

December 12, 2005  
File No. 09199033.11

Ms. Cathy D. Litscher  
Environmental Specialist II  
Florida Department of Environmental Protection  
3051 N. Telecom Parkway  
Temple Terrace, FL 33637-0926

Subject: Hardee County Solid Waste Wetlands Disturbance Issue  
Hardee County, Florida

Dear Ms. Litscher:

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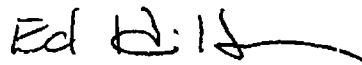
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Please contact us at 813-621-0080 with the time and date of the FDEP inspection. SCS and the County appreciate the department's understanding and assistance in this matter.

Sincerely,



Kimberly Byer, P.G.  
Senior Project Professional  
SCS ENGINEERS



C. Ed Hilton, P.E.  
Solid Waste Director  
SCS ENGINEERS

Cc: Susan Pelz, Florida Department of Environmental Protection  
Teresa Carver, Hardee County Solid Waste Management Division  
Mariben Andersen, The LPA Group Incorporated

KAB/CEH:kab



Hardee COLF  
of permit

# Landfill Closure 18 Months Away

By JOAN SEAMAN

Of The Herald-Advocate

With debris from three hurricanes filling up space, the Hardee County Landfill is probably about 18 months from closing its present site.

At a special meeting on Tuesday morning before leaving for Legislative Day in Tallahassee, the County Commission approved an up-to-\$10,000 contract with the Tampa-based environmental consulting firm SCS to guide the county through closure issues.

New Solid Waste Director Teresa Carver provided a work order for miscellaneous engineering services about leachate and stormwater management. She said the life expectancy of the landfill was shortened because of the hurricanes. "We are coming to closure on the south side, the southeast corner and will need advise on time-left, horizontal and vertical air space and other factors. This company is already working on the application for the new sections," she said.

County Manager Lex Albritton said engineering advice was important in meeting compliance regulations of the state Department of Environmental Protection (DEP).

The commission also approved a contract with low bidder Overland Services Inc. to remove construction debris temporarily placed at the landfill. The cost will be \$10.30 per-ton plus the county will have to pay disposal fees at Cedar Trails in Polk County where the debris will be taken.

In other action, the commission:

—awarded low bid for a trailer-mounted stationary breathing air module for the Hardee Fire-Rescue

Department. Paid by Homeland Security grants, the module replaces one the county had inherited from the old Wauchula Fire Department which was no longer useable, said Public Safety Director and Fire Chief Mike Choate. The county has been going down to DeSoto to fill air tanks needed at fire scenes. The mobile unit can be taken to a fire scene to fill bottles on the spot.

—heard a review of the fair housing requirements. The 24-page packet presented by Janet Gilliard, director of community development and general services, outlines all the local, state and federal statutes that elected officials and the general public should know. The Civil Rights Act says it is wrong to refuse to rent or sell housing based on race, color, national origin, religion, sex, handicap or family status (having small children).

Gilliard said her office of community development, which deals with various housing programs, can assist people with complaints.

She is also working on an agreement with the state Department of Corrections to do framing and cabinetry for hurricane housing as they do for Habitat for Humanity and other non-profit groups.

Gilliard said her Community Development Block Grant programs were recently audited and use of faith-based help to spread dollars the farthest was applauded. Apostolic Services is leaving the end of March and has built five new homes and rehabilitated many more. The Mennonites will remain for about another 18 months. They have built seven homes and renovated many. Both have passed

inspections and received certificates of occupancy on the homes they built.

—approved the chairman to sign the application for special federal funds allocated for counties suffering the most damages from the hurricanes. Hardee and six other counties will each get \$9 million, but it will have to be shared with its communities. In Hardee's case, this would be \$2.25 million to each of the cities and the county.

The grant application seeks \$7,217,309 for wastewater services to connect 270 homes in Wauchula Hills to the county's wastewater plant off SR 62. It would start with connecting the force main across from Crystal Lake Village down U. S. 17 to a lift station at Yetter Road.

Another \$1.8 million would rehabilitate and connect water lines in the unincorporated areas adjacent to the city of Bowling Green. It would be the areas encompassed by Doc Coil Road, Broward, Chester and Dixieanna streets.

Applications are on a fast track. They have to be in by April 4 and decisions will be made by April 22, said Gilliard.

—heard an update on the Florida International Airport by developer John Reed.

He outlined three divisions working on the airport planning. There are the Development of Regional Impact (DRI) application and permitting process, the airport creation process and Heartland Transportation issues.

Reed reviewed progress and individuals involved in each of these steps, people on the local and international level, in Tallahassee, Washington, D. C. and Miami working on the planning, as well as all the local or area meetings and planning going on.

Reed said he expects things to speed up quite a bit in the next few months as the DRI and Federal Aviation Authority permit applications are submitted.

—approved on a split vote, transfer of \$11,3518.01 from contingencies for a local match for nearly \$182,000 in funds to add a dental clinic to Central Florida Health Care center on East Palmetto Street in Wauchula.

The balance of the needed funds would come from unmet needs dollars as well as state and federal grants. Commissioners Minor Bryant, Gordon Norris and Dale Johnson approved it. Commissioner Nick Timmerman had left the meeting earlier for another commitment. Commissioner Bobby Ray Smith said he opposed it for several reasons.

"It's a good program, but I'm concerned about our budget for the rest of this year. There have been changes in information from the first discussion to today. I am also concerned about it competing with similar services offered by the health department here. I would like to have waited for budget workshops to see where the money could come from."

## Letter to Editor

### America Can Be Proud Of Equality For Women

Dear Editor:

I am writing this note to the editor because I made a promise to God I would. On Easter Sunday my church (Faith Temple C.O. God) held service at the Hardee County Civic Center. After the service, needy families were given free food. My purse was stolen during that function. I prayed and asked God if he would return it to me I would let people know that God answers prayers even to the extent

of a stolen purse. Monday afternoon, the Kash N Karry office manager called me and told me that my purse had been found in the ladies bathroom. Everything except my change was there! Now to me, that's totally awesome, just like my God! I just wanted people to know to have faith in God for ALL things!

Leona Henderson  
Wauchula

#### YOU Can Appear In . . .

#### kids korner

Hey, kids! How would you like your work to be printed in the paper? Draw us a picture, write us a poem, make up a story or tell us a joke. If you're sending us a drawing, use pencils or markers, not crayons. And leave the lined notebook paper for homework, not your artwork. Then print your name and age, your parents names and the town where you live on the back. Get mom or dad to bring it to our office or put it in the mail to: kids korner, The Herald-Advocate, P.O. Box 338, Wauchula, FL 33873.

# s Away

# Wauchula Adds 2 Key Positions

By JOAN SEAMAN

Of The Herald-Advocate

and received certification on the homes

ved the chairman to sign  
tion for special federal  
ated for counties suffer-  
st damages from the hur-  
rdee and six other coun-  
ch get \$9 million, but it  
be shared with its com-  
In Hardee's case, this  
\$2.25 million to each of  
nd the county.

ant application seeks  
for wastewater services  
270 homes in Wauchula  
ie county's wastewater  
R 62. It would start with  
the force main across  
al Lake Village down U.  
ft station at Yetter Road.

\$1.8 million would  
and connect water lines  
ncorporated areas adja-  
city of Bowling Green.  
the areas encompassed  
Coil Road, Broward,  
1 Dixieanna streets.

ions are on a fast track.  
to be in by April 4 and  
will be made by April 22,  
d.

an update on the Florida  
al Airport by developer

lined three divisions  
n the airport planning.  
the Development of  
npact (DRI) application  
ting process, the airport  
rocess and Heartland  
ion issues.

viewed progress and  
involved in each of  
people on the local and  
al level, in Tallahassee,  
n, D. C. and Miami  
the planning, as well as  
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the DRI and Federal  
authority permit applica-  
bmitted.

ved on a split vote, trans-  
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n funds to add a dental  
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Commissioners Minor  
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proved it. Commission-  
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he opposed it for sever-

good program, but I'm  
about our budget for the  
s year. There have been  
n information from the  
ssion to today. I am also  
about it competing with  
ervices offered by the  
partment here. I would  
ave waited for budget  
s to see where the money  
ie from."

Wauchula commissioners  
approved the hire of two new  
employees on Monday night.

In a specially called meeting,  
which began at 4 p.m., prior to an  
evening-long workshop, the com-  
mission thoroughly discussed the  
need for an economic development  
director and city clerk.

New City Manager Richard  
"Rick" Giroux fielded the ques-  
tions on the need for either position  
and how they would be funded.

Giroux said the city is entering a  
growth period, with "developments  
knocking on our doors." He pro-  
posed creating a three-person eco-  
nomic development department to  
be housed at the old City Hall, 225  
E. Main Street. Co-locating it with  
Main Street Wauchula Inc. and the  
Hardee County Chamber of  
Commerce will enhance ability to  
work together on economic devel-  
opment projects, he explained.

Commissioners were not so sure,  
feeling that person needed to be  
housed near Giroux. Giroux said he  
has 13 years experience in that field  
and hoped to hire someone already  
experienced in economic develop-  
ment who would only have to learn  
the individual needs and nuances of  
this community. Working with that  
person would be Olivia Minshew,  
economic development coordinator  
in a FEMA (Federal Emergency  
Management Agency) position and  
administrative secretary Susan  
Gibbs.

Giroux also recommended pre-  
sent accounts payable clerk  
Clarissa Abbott as the new city  
clerk, an appointive position cre-  
ated under the new City Charter  
which voters approved in August.  
His recommendation was unani-  
mously approved, as commission-  
ers said they agreed with Giroux in  
his plan to promote from within  
whenever possible.

City Attorney Cliff Ables said  
the clerk's duties and responsibil-  
ities were set out in the charter. That  
person is the city's internal auditor,  
which at times became a conflict of  
interest when Finance Director  
James Braddock was both clerk and  
financial director.

"I need Jamie to work full-time  
on finances. With all the problems  
we are facing, he has a lot of work  
to be done and we need to work  
closely on funding for these  
issues," said Giroux.

The city clerk would also be  
responsible for commission min-  
utes, fixing commissioners' meet-  
ing folders, codification of the ordi-  
nances the commission approves  
and organization of the city's web-  
site.

"There are many ordinances  
which have been passed which are  
not yet in the code of ordinances.  
There just hasn't been the bench  
strength to do them," agreed  
Commissioner Ken Lambert.

"In the month I've been here, I  
don't see how anyone can add more

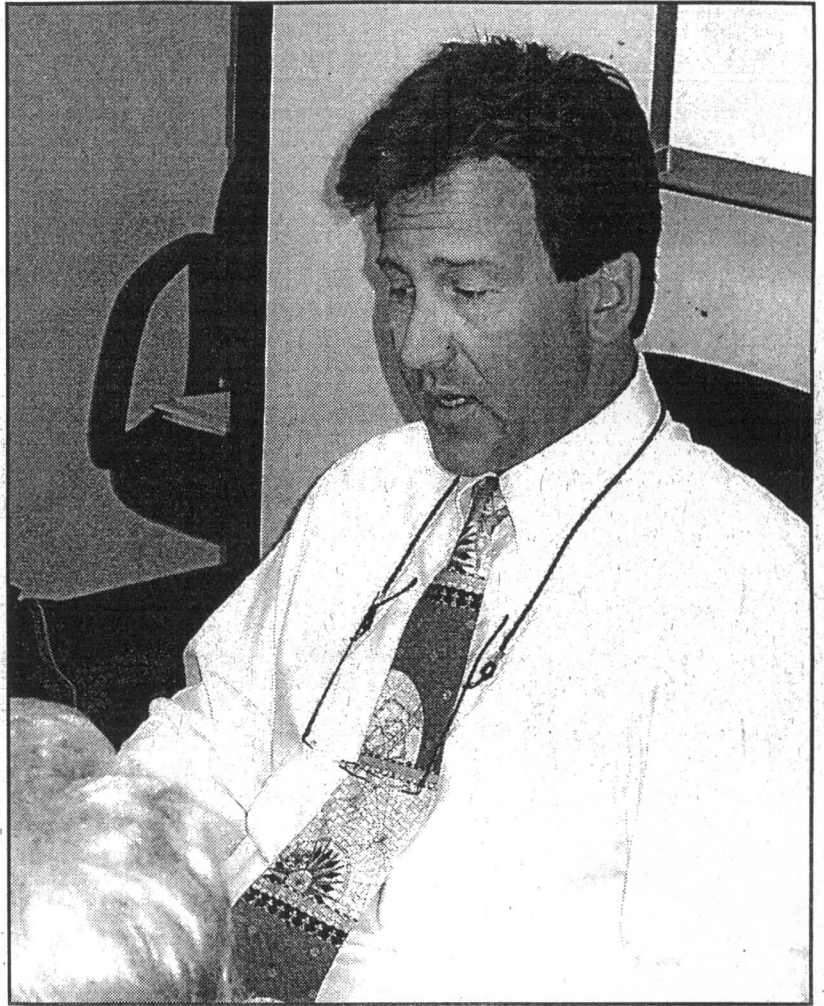


PHOTO BY JIM KELLY

**City Manager Rick Giroux outlines his personnel changes.**

to his or her plate," said Giroux.

Another position filled is human  
resource specialist. Former Human  
Resources Director Phil Wickstrom  
recently resigned to take a similar  
position in Punta Gorda. Terri  
Svendsen, who worked closely  
with him, has the talent and ability  
to handle both payroll and person-  
nel and benefit packages to ensure  
"we get the most bang for our buck  
in insurance," said Giroux. That  
change was also approved.

In other action, the commission:  
—briefly discussed Christmas  
decorations. "This community  
takes pride in its decorations," said  
Lambert. Superintendent of Public  
Works Ray McClellan said his staff  
could make the 51 new light pole  
decorations needed, if the commis-  
sion agreed on the designs. Mc-  
Clellan said there are almost  
twice the number of utility poles on  
the new northbound U.S. 17 as the  
old southbound lanes.

—approved budget amend-  
ments, transferring monies from

various departments to fund the  
new positions.

—delayed a decision on surveys  
needed for the Community  
Development Block Grant. The  
proposed cost by the low bidder  
was excessive, said commissioners,  
asking Giroux and his staff to ask  
that company for a reconsideration  
and explanation of the cost of each  
of the three surveys needed.

—reviewed a personnel chart  
Giroux presented, outlying each  
position in the police department,  
public works, city administration  
and the new economic develop-  
ment department.

—denied any change to the pro-  
posed contract with Ted Iddings for  
the building on South Seventh  
Avenue adjacent to the city admin-  
istration offices.

—continued workshop discus-  
sions a city water and sewer policy,  
water and wastewater facilities  
expansion, impact fees, the city  
strategic plan and a contribution to  
Main Street Wauchula.

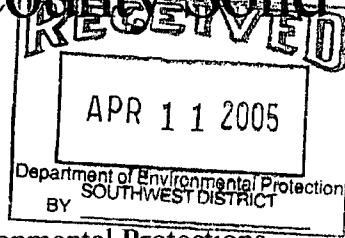
## YOU Can Appear In . . .

## Reader Recipes

Do you make a delicious casserole, killer banana pudding or just add a twist to an old favorite? If so, share your secret with our readers. "Reader Recipes" is a weekly feature which relies entirely on your input. For it to be there, someone must share. Cooks, join in this recipe exchange and we will print your name, town of residence and brief personal quote along with your recipe. To appear in this feature, send your name, town, a comment on your recipe and the recipe to: Reader Recipes, The Herald-Advocate, P.O. Box 338, Wauchula, FL 33873 or fax 773-0657.

Hardee County Solid Waste Department  
685 Airport Road  
Wauchula, FL 33873  
Phone- 863-773-5089  
Fax- 863-773-3907  
E-mail [teresa.carver@hardeecounty.net](mailto:teresa.carver@hardeecounty.net)

# Hardee County Solid Waste



April 6, 2005

Department of environmental Protections  
3804 Coconut Palm Dr.  
Tampa, FL 33679  
Attn: Susan Pelz

Dear Ms. Pelz:

As per Specific Condition Number 7 under Operational Permit No. 126620-001-SO;  
we are reporting at this time there are no changes to the operation of this facility.  
Please feel free to contact me should you have any questions.

Sincerely,

Teresa Carver  
Hardee County Solid Waste Director

.....



*Hardee Co  
Permit*

**Pelz, Susan**

**From:** Janice Williamson [janice.williamson@hardeecounty.net]  
**Sent:** Wednesday, January 26, 2005 4:38 PM  
**To:** Pelz, Susan  
**Cc:** Carver, Teresa; Albritton, Lex; Morgan, Steve; Ross, Lora; Kissel, Gerald; Ron Cope (E-mail)  
**Subject:** Re: EPC - Asbestos

Thanks Susan:

The ticket she has referenced is from 12/14/04 and the total weight of the load was .43 tons. It is a cash ticket and does not identify a specific contractor or individual. EPC did not give any information on the estimated quantity of floor tiles that may have been brought to the temp. site. There are 4 contractor piles that contain compacted Class III storm debris. There is an estimated 32,600 cubic yards currently on site. If we are required to attempt to go through the waste and attempt to identify less than two cubic yards of asbestos, I feel that we would not achieve restoration of the site for quite some time and that this would have a chain reaction to many more red tape issues, including bidding processes and the time necessary to determine if the contractor has a legal obligation and financial responsibility (as this contractor was not licensed to deal with asbestos and did not disclose to us that he had asbestos). I would suggest that the most effort we apply to this "assumed" situation is to have the materials monitored while being loaded for transport to Cedar Trails Landfill and if anything is suspected, stop operations and conduct a professional investigation. In addition, Cedar Trails will monitor on their end. As always, we share the same goals as DEP in regards to a healthy, safe environment and will comply with your recommendations to the best of our ability.

Thanks,  
 Janice

----- Original Message -----

**From:** Pelz, Susan  
**To:** Janice Williamson  
**Cc:** Carver, Teresa ; Albritton, Lex ; Morgan, Steve ; Ross, Lora ; Kissel, Gerald ; Ron Cope (E-mail)  
**Sent:** Wednesday, January 26, 2005 3:10 PM  
**Subject:** RE: EPC - Asbestos

Janice,

How long ago did it happen? You should have an idea based on weigh ticket date. Although the temp sites were not intended for management of asbestos, if you think that the waste is already removed from the temp site for disposal at Cedar Trail, then you need to let them know, but that will probably be all that is required. If you think the material is still at the temp site, then you should try to find & isolate it. Generally, we have not known floor tiles to be particularly friable, but if they're handled roughly, they can become friable. As far as health effects and liability if the material was handled such that it became friable, I can't address that.

I have copied our air section on this email in case they have any comments/requirements.

Let me know what you find out.

Thanks,  
 Susan J. Pelz, P.E.  
 Solid Waste Program Manager  
 Southwest District  
 813-744-6100 x 386  
 susan.pelz@dep.state.fl.us

5/4/2005

-----Original Message-----

**From:** Janice Williamson [mailto:janice.williamson@hardeecounty.net]

**Sent:** Wednesday, January 26, 2005 3:00 PM

**To:** Pelz, Susan

**Cc:** Carver, Teresa; Albritton, Lex

**Subject:** EPC - Asbestos

Hi Susan:

Received a phone call a few minutes ago from Elaine at the Environmental Protections Commission (813) 272-5955, ext 1259. She stated that an out of county contractor brought out of county asbestos floor tiles to our facility and disposed of it in our temp. site along with storm debris. I asked her how she knew this and she stated that the contractor told her and she had his weight ticket. She is convinced that the contractor is telling the truth.

I don't think a weight ticket is proof that he brought the asbestos to our facility and our staff is well trained in the requirement of accepting asbestos from a contractor, however; I am not denying that it's possible. What needs to be done from here?

Thanks,  
Janice

5/4/2005

Hardee LF

**Pelz, Susan**

---

**From:** Pelz, Susan  
**Sent:** Wednesday, January 26, 2005 3:10 PM  
**To:** 'Janice Williamson'  
**Cc:** Carver, Teresa; Albritton, Lex; Morgan, Steve; Ross, Lora; Kissel, Gerald; Ron Cope (E-mail)  
**Subject:** RE: EPC - Asbestos

**Tracking:**

Recipient	Read
'Janice Williamson'	
Carver, Teresa	
Albritton, Lex	
Morgan, Steve	Read: 1/27/2005 12:19 PM
Ross, Lora	Read: 1/26/2005 4:28 PM
Kissel, Gerald	Read: 1/26/2005 3:40 PM
Ron Cope (E-mail)	

Janice,

How long ago did it happen? You should have an idea based on weigh ticket date. Although the temp sites were not intended for management of asbestos, if you think that the waste is already removed from the temp site for disposal at Cedar Trail, then you need to let them know, but that will probably be all that is required. If you think the material is still at the temp site, then you should try to find & isolate it. Generally, we have not known floor tiles to be particularly friable, but if they're handled roughly, they can become friable. As far as health effects and liability if the material was handled such that it became friable, I can't address that.

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 Southwest District  
 813-744-6100 x 386  
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5/2/2005



I don't think a weight ticket is proof that he brought the asbestos to our facility and our staff is well trained in the requirement of accepting asbestos from a contractor, however; I am not denying that it's possible. What needs to be done from here?

Thanks,  
Janice

**Pelz, Susan**

**From:** Teresa Carver [teresa.carver@hardeecounty.net]  
**Sent:** Monday, January 24, 2005 7:55 AM  
**To:** Pelz, Susan  
**Subject:** Re: clean debris

Thanks for the info.  
Teresa

----- Original Message -----

**From:** Pelz, Susan  
**To:** Teresa Carver  
**Cc:** Morgan, Steve  
**Sent:** Friday, January 21, 2005 11:54 AM  
**Subject:** RE: clean debris

Teresa,

If you have reason to believe that the paint is lead-based paint, it's best to not store the material in an area without leachate collection. As far as we know, generally, painted concrete (unless it's lead-based paint) is not a problem. To be safe, you could store it within your groundwater monitoring system if you have room. I don't imagine that you're proposing to leave it there for long periods of time (years). I haven't heard of anyone having a problem with bricks.

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District  
813-744-6100 x 386  
susan.pelz@dep.state.fl.us

-----Original Message-----

**From:** Teresa Carver [mailto:teresa.carver@hardeecounty.net]  
**Sent:** Thursday, January 20, 2005 4:37 PM  
**To:** Pelz, Susan  
**Subject:** clean debris

Hey Susan:

We were working on preparing our plan for accepting clean debris (concrete, brick, block) and where it will be stored and processed and a question came up. We understand that clean debris must not contain material that may jeopardize the groundwater quality so what about painted concrete. Is it common to receive concrete block from demolition projects that may be painted with oil based or lead paints??? and are bricks safe or do they typically have hazardous coatings??? Are there guidelines already established that we can follow???

Thanks,  
Teresa

5/4/2005

*Hardee LF  
Op Permit***Pelz, Susan**

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Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District  
813-744-6100 x 386  
susan.pelz@dep.state.fl.us

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**To:** Pelz, Susan  
**Subject:** clean debris

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Thanks,  
Teresa

1/24/2005

38414  
changed due  
date**SCS ENGINEERS**August 30, 2004  
File No. 09199033.09Ms. Susan J. Pelz, P.E.  
Solid Waste Management  
Florida Department of Environmental Protection  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8318Subject: Hardee County Landfill, Pending Construction Permit No. 38414-008-SC,  
And Annual Remaining Disposal Capacity Report  
Request for Time Extension

Dear Ms. Pelz:

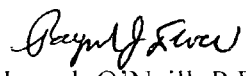
On behalf of Hardee County (County), SCS Engineers (SCS) is requesting a time extension to complete two submittals to your office. First, we are requesting additional time to complete the responses to your Request for Additional Information (RAI) No. 1 letter dated May 7, 2004 for the landfill expansion construction permit application. Responses are currently due August 31, 2004, per previous correspondence regarding the RAI. Second, we are requesting additional time to complete the annual remaining disposal capacity report, due September 1, 2004 per Specific Condition No. 9(e) of the landfill's Operation Permit.

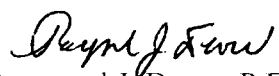
Work on both these submittals was well underway and near completion when Hurricane Charley hit the County on August 13, 2004. Since then, both the County Solid Waste Department and SCS have been more than fully occupied with the disaster recovery and the disaster debris cleanup and management, and have had to temporarily suspend other work. We are therefore requesting an extension until October 15, 2004 to complete and submit both the responses to RAI No. 1 and the annual remaining disposal capacity report.

DUE 10/15/04

We appreciate your consideration of this request. If you have any questions, please feel free to contact us. Unless we hear something to the contrary, we are assuming that this time extension will be acceptable to FDEP.

Sincerely,

*for*   
Joseph O'Neill, P.E.  
Project Manager  
SCS ENGINEERS

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

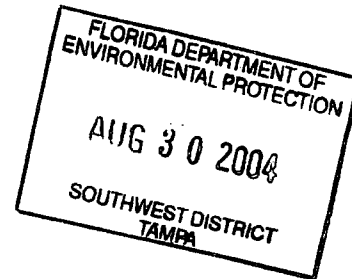
Cc Janice Williamson, Hardee County Solid Waste Director



## SCS ENGINEERS

August 30, 2004  
File No. 09199033.09

Ms. Yanisa Angulo, P.E.  
Florida Department of Environmental Protection  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8318



Subject: Hardee County Landfill Expansion  
File No. 25-0124892-002  
Request for Time Extension


Dear Ms. Angulo:


On behalf of Hardee County (County), SCS Engineers (SCS) is requesting additional time to complete the responses to your Request for Additional Information (RAI) No. 1 letter dated April 30, 2004 for the Environmental Resource Permit Application for the above referenced project. Responses are currently due August 31, 2004, per previous correspondence regarding the RAI.

Responses to RAI No. 1 were near completion when Hurricane Charley hit the County on August 13, 2004. Since then, both the County Solid Waste Department and SCS have been more than fully occupied with the disaster recovery and the disaster debris cleanup and management, and have had to temporarily suspend work on the RAI responses. We are therefore requesting an extension until October 15, 2004 to complete and submit the responses to RAI No. 1.

We appreciate your consideration of this request. If you have any questions, please feel free to contact us. Unless we hear something to the contrary, we are assuming that this time extension will be acceptable to FDEP.

Sincerely,

  
for Joseph H. O'Neill, P.E.  
Project Manager  
SCS ENGINEERS

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

RJD:rjd

Cc Janice Williamson, Hardee County Solid Waste Director  
Susan Pelz, FDEP



*Hardee Op  
permit*

**Pelz, Susan**

---

**From:** Janet L. Heinemann [jheinemann@scsengineers.com]  
**Sent:** Wednesday, July 07, 2004 8:34 AM  
**To:** Pelz, Susan  
**Cc:** Joe O'Neill; 'janice.williamson@hardeecounty.net'  
**Subject:** Hardee County

Joe will be in the office tomorrow morning. Attached are Joe's comments and Janice Williamson's comments. Please call Joe on his cell phone if you have any questions (813-628-1476).

Janet L. Heinemann  
SCS Engineers  
3012 U.S. Highway 301 North, Suite 700  
Tampa, FL 33619  
(813) 621-0080  
Fax (813) 623-6757  
[jheinemann@scsengineers.com](mailto:jheinemann@scsengineers.com) <<mailto:jheinemann@scsengineers.com>>  
[www.scsengineers.com](http://www.scsengineers.com) <<http://www.scsengineers.com/>>

**PERMITTEE**

Hardee County  
Solid Waste Department  
c/o Ms. Janice Williamson  
685 Airport Road  
Wauchula, Florida 33873

**PERMIT/CERTIFICATION**

WACS Facility ID No: SWD/25/40612  
Permit No: **38414-007-SO**  
Date of Issue:  
Expiration Date: **05/15/2009**  
County: Hardee  
Lat/Long: 27°34'17"N  
81°46'58"W  
Sec/Town/Rge: 35/33S/25E  
Project: Hardee County  
~~Regional Landfill~~

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor, and maintain a Class I landfill (approximately 12.5 acres), referred to as the Hardee County ~~Regional Landfill~~, and related ancillary facilities, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at ~~68575~~ Airport Road, east of the City of Wauchula, Hardee County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. ~~2.~~ Leachate storage tanks system
3. ~~Yard Trash Processing Area~~
4. Scrap Metals and White Goods Storage Area
5. Household Hazardous Waste Collection Center (HHWCC)
6. related appurtenances
3. ~~related appurtenances~~

General Information:	
Disposal acres	12.5 acres (Phase I)
Lowest elevation	+72 feet NGVD (approximate top of clay)
Bottom liner design	In-situ clay bottom w/geosynthetic sidewalls
LCS design	perimeter rock/LCS piping
LDS design	none
Final elevation,	+150 feet NGVD +152 feet NGVD with Closure Cap
Slopes	3H:1V (N, S, E) and 3.5H:1V (W), 5% top slope

Replaces Permit No.: 38414-002-SO and modification #38414-004 (8/10/01), #38414-005 (10/22/01) and #38414-006 (11/22/02).

PERMITTEE: Hardee County Solid Waste Dept.  
Ms. Janice Williamson, Director

PERMIT NO: 38414-007-SO  
Hardee County Regional Landfill

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.

**GENERAL CONDITIONS:**

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

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

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.

**GENERAL CONDITIONS:**

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

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

**SPECIFIC CONDITIONS:**

1. **Landfill Designation.** This landfill shall be classified as a Class I landfill and shall be operated, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for operation of the Class I landfill (Phase I), leachate storage tanks system, and related ancillary facilities, in accordance with the reports, plans and other information submitted by SCS Engineers, Inc. (SCS) as follows:

a. Document entitled Operations Permit Renewal Application - Hardee County Landfill, dated May 16, 2003 (received May 19, 2003) including but not limited to the following information (pages inserted into original where appropriate):

1) Response to Request for Additional Information - Operations Permit Renewal Application - Hardee County Landfill, dated and received on September 30, 2003;

2) Submittal of Modified Information for the Hardee County landfill,... dated and received December 30, 2003;

3) Additional Requested Information,... dated and received on January 29, 2004

b. Operations Plan for Hardee County Landfill,... dated December 24, 2003 (received December 30, 2003), including revised pages inserted into original dated and received January 29, 2004;

c. Water Quality and Leachate Monitoring Plan, Hardee County landfill,... (Attachment M-1 of SC#2.a., above) dated May 16, 2003 including revised pages received September 30, 2003 and January 29, 2004 (inserted into original);

d. Operations Drawings dated January 2004 (received February 23, 2004);

and in accordance with all applicable requirements of Department rules.

**SPECIFIC CONDITIONS:**

**3. Permit Modifications.**

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

b. This permit does not authorize construction of a lateral or vertical landfill expansion. Upon completion of construction a lateral expansion to the facility, the permittee shall submit a permit application for operation of the system. This application shall be submitted as part of the Certification of Construction Completion documentation required by the construction permit and shall include:

- 1) the application form and fee,
- 2) certification of construction completion for the expansion with related documents required as part of the construction permit,
- 3) proof of adequate financial assurance, and
- 4) the Operations Plan and Operations Drawings with revisions to include the operation, monitoring and maintenance of the expansion.

c. Construction of improvements that include a liner or components of a liner system (such as the permanent drainage pipes, related structures, the permanent access road, and significant repairs to the leachate collection and removal system) shall not commence until receipt and approval of an appropriate construction quality assurance (CQA) plan. The CQA plan shall include all of the information required by Rule 62-701.400(7) (and Rule 62-701.400(8) where applicable).

d. Use of heavy equipment on the landfill not previously approved as part of this permit (such as equipment that is heavier or equipment that has more concentrated loading impacts than the equipment that was considered as part of the slope stability calculations for this permit) shall not commence until approved in writing by the Department.

**SPECIFIC CONDITIONS:**

4. **Permit Renewal.** No later than one hundred eighty (180) days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rules 62-4.090 and 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for the sequence of filling with cross-sections of lifts, with revisions if necessary.

5. **Prohibitions.**

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

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be reported **within 24 hours** of discovery in accordance with Specific Condition #23.b., with written notification submitted **within 7 days** of discovery. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time. Leachate discharge to area surface waters is not authorized by this permit and shall be considered a violation of this permit. The permittee shall immediately report any such discharge to the Southwest District Office of the Department in accordance with Specific Condition #23.b., below.

d. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. 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 62-296.401, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #23.b., below.

6. **Facility Operation Requirements.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #6., continued)

c. Sufficient personnel and equipment shall be utilized to adequately operate the facility.

d. Ponded Water/Leachate. In the event of stormwater control problems which allow prolonged (greater than 72 hours) contact of ponded water with waste, the disposal of waste in the affected area shall cease in the affected area until the leachate has been collected and appropriate drainage has been restored.

e. In the event of equipment breakdown or scheduled maintenance of essential equipment (such as equipment required for spreading, compacting and covering waste), the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 24 hours** of the occurrence. In the event that sufficient reserve equipment is not obtained **within 24 hours**, the permittee shall notify the Department in accordance with Specific Condition #23.b., below and provide a schedule for corrective actions.

f. Unauthorized Wastes. A sufficient number of spotters and operators shall be utilized at the facility for removing (and arranging for the removal of) unacceptable wastes (such as liquids, biomedical waste, hazardous and unknown wastes, etc.) from the working face. At a minimum, spotting shall occur at the working face from the ground (while off of the equipment).

g. Special Wastes. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the Operations Plan [ref.SC#2.b.] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that discharge of contaminants to the environment is prevented.

1) Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

2) Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in Sections L.1. and L.2.d. of the Operations Plan. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the Operations Plan and this permit, unless another frequency for removal is approved in writing by the Department.

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

**SPECIFIC CONDITIONS:**

(Specific Condition #6.g., continued)

4) *Contaminated Soil.* Contaminated soil may be accepted for storage or disposal (within the bermed working area) provided that representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

5) *White Goods and other scrap metal.* White goods and lawnmowers which may contain liquids (such as oil or gasoline), chlorofluorocarbons (CFCs such as freon), or other gasses shall be stored and managed in a manner such that the liquids are contained, and CFCs or other gasses are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked. A maximum of 400 tons of scrap metal (including no more than 200 white goods) may be stored at the site at any time, and shall be removed at least ~~quarterly~~ **annually (every 312 months)** as described in the Operations Plan.

6) *Yard Trash.* Yard trash (including clean wood) shall be managed according to Rule 62-709.320, F.A.C., and as described in the Operations Plan. Yard trash shall be processed at least **semi-annually (every 6 months)** or a ~~—~~ A maximum of 3000 tons (or 12,000 cubic yards) of yard trash, which ever is greater. A maximum of 3,000 tons may be stored at the site at any time.

7) *Waste Tires.* Waste tires shall be managed according to the current Department-approved waste tire processing facility permit.

h. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the Operations Plan, and stored at the Household Hazardous Waste Collection Center (HHWCC).

1) HHW shall be identified, and then relocated for storage within the containment area of the HHWCC at the end of each collection day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) Non-latex paints shall not be air dried.

5) Waste received at the HHWCC shall be stored within containment areas at all times.



**SPECIFIC CONDITIONS:**

(Specific Condition #6.h., continued)

6) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility for Department review upon request.

7) Miscellaneous household hazardous wastes (such as paint, fluorescent light bulbs, chemicals, etc.) shall be managed as described in the Operations Plan. A maximum of 100 gallons of paint, 400 light bulbs, 50 gallons of liquid chemicals, and 250 lbs. of dry chemicals may be stored at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.

8) *Lead acid batteries.* The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 140 batteries may be stored at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.

9) *Used oil.* Used oil storage is limited to a maximum of 700 gallons stored in the tanks at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.

10) *Electronics.* Electronics to be recycled shall be stored in an undamaged condition, and removed at least **semi-annually (every 6 months)**. Electronics that have been damaged (such as broken into pieces) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **quarterly (every 3 months)**.

i. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) **daily on operating days**. Erosion and settlement shall be repaired in accordance with Specific Conditions #23.e. and #23.f., below.

2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #22.b., below.

**SPECIFIC CONDITIONS:**

(Specific Condition #6.i., continued)

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

4) Setback areas in the vicinity of all waste storage and disposal areas, the location of adjacent stormwater management system features (i.e. retention areas, ponds, swales), and all disposal area boundaries shall be clearly marked and the markers inspected **daily on operating days**. The permittee shall clearly stake/mark the location of the edge of the geomembrane liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility.

**7. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with Operations Drawings [ref.SC#2.d.], and as described in the Operations Plan, or as otherwise approved in writing by the Department.

b. Waste shall be setback a minimum of 5 feet from the inside top edge of the side portion of the bottom liner, and as shown on the Operations Drawings.

**8. Operating Personnel.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #8, continued)

- c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.
9. **Operation Plan and Operating Record.**
- a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.
  - b. Proposed changes to the current Department-approved Operations Plan shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #3. The Operations Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough (~~struckthrough~~) and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.
  - c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, shall be provided to the Southwest District Solid Waste Section, 3804 Coconut Palm Drive, Tampa, FL 33619.
  - d. The following reports, documents and other information shall be maintained at the facility for reference, and copies shall be provided to the Department upon request:
    - 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C., and as described in Specific Condition #10;
    - 2) A log of the facility operator's daily inspections, and any subsequent corrective actions;
    - 3) Load checking records;
    - 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed;

5) Operator and spotter training certificates and other documentation;

6) Log of odor complaints and corrective action; and

**SPECIFIC CONDITIONS:**

(Specific Condition #9.d., continued)

7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.

e. Capacity Report. The owner or operator shall conduct a topographic survey of the Class I disposal area, and shall estimate the remaining disposal capacity and site life as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than September 1<sup>st</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The owner may establish survey markers on the landfill to control filling in lieu of conducting annual topographic surveys. The survey markers will be clearly indicate design grade elevations and remain in-place during operations of the landfill. If disturbed or destroyed the markers will be replaced and a registered professional land surveyor will replace and certify the replaced markers. An full topographic survey of the landfill be conducted a minimum of one time during the life of permit. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (4H3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved Operations Drawings.

f. Certifications of construction completion. Certifications shall be provided for all permanent construction (e.g., for construction of permanent drainage swales and letdown pipes, other significant repairs and improvements). Within **thirty (30) days** after the specified construction has been completed or as otherwise specified by the Department, the following activities shall be completed:

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

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #9.f., continued)

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

**10. Waste Records.**

- a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.
- b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

11. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

**12. Monitoring of Waste.**

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

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #28.b., below.

**SPECIFIC CONDITIONS:**

(Specific Condition #12, continued)

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

13. **Waste Handling Requirements.** All solid waste disposed of in the Class I disposal area shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I disposal area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day.**

2) The following alternate daily cover materials are acceptable for use at this facility. Alternate daily cover materials not identified below are required to be approved by the Department prior to use at the facility.

a) **TARPS.** 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 **(within the bermed working area).**

b) **WASTE TIRES.** Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste

tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover (**within the bermed working area**).

**SPECIFIC CONDITIONS:**

(Specific Condition #13.a(2), continued)

c) YARD TRASH (COMPOST OR MULCH). Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial cover. The processed yard trash will not contain particles greater than six inches. 90% of the compost shall pass through a 3/4" screen prior to mixing with soil. At least one sample of the compost (prior to mixing with soil) shall be tested weekly to verify particle size distribution.

~~d) YARD TRASH (COMPOST OR MULCH). A "mixture" of yard trash mulch and soil, such that (for the mixture) 100% shall pass a 2" screen, 85% shall pass a 3/4" screen, and 70% shall pass a 1/4" screen; and applied in a six (6) inch compacted layer, may be used as initial cover. At least one sample of the "mixture" shall be tested weekly to verify particle size distribution.~~

~~e) YARD TRASH (COMPOST OR MULCH). Composted yard trash, screened through a 1/2" mesh, and then mixed in the ratio of 75% screened compost to 25% soil, and applied in a six (6) inch compacted layer, may be used as initial cover.~~

~~f)d) CONTAMINATED SOIL. Contaminated soil applied in a six (6) inch compacted layer, may be used as initial cover (**within the bermed working area**) provided that representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.~~

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C.. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

- 1) ~~1)~~ —An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.
- 2) YARD TRASH (COMPOST OR MULCH). Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as intermediate cover. 90% of the compost shall pass through a 3/4" screen prior to mixing with soil. At least one sample of the compost (prior to mixing with soil) **shall be tested weekly (only if the yard trash is to be used that week)** to verify particle size distribution. Tested can be a visual test, conducted by the owner, if the owner provides a mechanical method onsite for control particle sizes.
- YARD TRASH (COMPOST OR MULCH). A "mixture" of yard trash mulch and soil, such that (for the mixture) 100% shall pass a 2" screen, 85% shall pass a 3/4" screen, and 70% shall pass a 1/4" screen; and applied in a six (6) inch compacted layer, may be used as intermediate cover. At least one sample of the "mixture" **shall be tested weekly (only if the yard trash is to be used that week)** to verify particle size distribution. Tested can be a visual test, conducted by the owner, if the owner provides a mechanical method onsite for control particle sizes.
- YARD TRASH (COMPOST OR MULCH). Composted yard trash, screened through a 1/2" mesh, and then mixed in the ratio of 75% screened compost to 25% soil, and applied in a six (6) inch compacted layer, may be used as intermediate cover.
- 23) The alternate initial cover materials previously described in Specific Conditions #13.~~ab~~(2)(e), #13.a(2)(d), and #13.a(2)(e) are also approved for intermediate cover when applied as a one (1) foot of compacted layer in addition to the six (6) inch initial cover.

**SPECIFIC CONDITIONS:**

(Specific Condition #13.b., continued)

- 43) Upon reaching the designed elevations and slope on the external sideslopes, the owner will provide a soil mixture capable of establishing vegetative growth on the sideslopes. Vegetative growth on the sideslopes will be established with 30 days of reaching the designed elevations and slopes on



the external sideslopes and be sufficient to minimize erosion. If erosion should occur, then erosion and settlement shall be repaired in accordance with Specific Conditions #23.e. and #23.f., below. Sed shall be applied within 30 days to all intermediately covered (external) sideslope areas that have reached designed dimensions.

c. Cover materials which have been previously used for intermediate or initial cover, and which contain solid waste (such as waste tire pieces, shredded shingles, C&D debris, ash, contaminated soil, etc.), shall not be re-used on areas which discharge to the stormwater management system or as berms around the perimeter of the active working face area. These materials may be re-used as initial cover (subject to Department approval) provided the runoff from these areas is managed as leachate.

d. The top of each lift of waste shall be maintained with a minimum 2% slope as described in the Operations Plan.

14. **Working Face.**

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

b. **Interceptor/containment berms shall be maintained around the working area to prevent leachate runoff from the working face from entering the stormwater management system.** Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste, and have been adequately covered with at least 6 inches of compacted soil or other Department-approved intermediate cover material that is free of waste and is stabilized to control erosion.

c. Waste shall be spread and compacted in accordance with the Operations Plan. Slopes shall be maintained in accordance with the Operations Drawings. The working face slope shall be no greater (steeper) than 3H:1V.

15. **Leachate Management.**

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

b. Leachate which has accumulated on the surface in low areas shall be collected and removed from the disposal area within 72 hours for appropriate treatment or disposal.

**SPECIFIC CONDITIONS:**

(Specific Condition #15, continued)

c. Leachate Disposal.

1) Leachate shall be hauled offsite for disposal at an appropriately permitted wastewater treatment facility (WWTP). No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

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

d. Leachate Collection and Removal System (LCRS)  
Inspections/Maintenance.

1) The leachate collection and removal system and gravity pipelines, shall be visually or video inspected or water pressure cleaned at cleanouts and access pipes to verify adequate performance at least once during this permit period. Force mains shall be video inspected or water pressure cleaned when the pump station performance indicates that the force mains may be obstructed. An inspection report shall be provided and shall include an evaluation of the effectiveness of the system, the locations of cleaning and video inspections (indicated on a Site Plan drawn to scale) with the locations and the cause of all obstructions encountered, proposed corrective actions, and schedule for implementation of corrective actions as appropriate. If the pipes are water-jet cleaned, the report shall include a description of the method of cleaning. Components not performing adequately shall be cleaned and/or repaired. **No later than one hundred and eighty (180) days prior to permit expiration**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) when required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be signed and sealed by a professional engineer, and shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The permittee shall retain a copy of the final report, each inspection report, and each inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.

**SPECIFIC CONDITIONS:**

(Specific Condition #15.d., continued)

2) Each pump and pump station and related sensors and controller mechanisms shall be inspected on a semi-annual basis. Pump performance shall be verified semi-annually by performing a flow test on each pump. and current draw recorded. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance. Documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.

3) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the Operations Plan.

4) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to the any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.

e. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected within 24 hours of detection, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #23.b., below.

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

f. Leachate Storage Tanks. The leachate storage tanks shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. The tanks, containment area, and truck loadout area, and other leachate storage system appurtenances shall be inspected **at least weekly** for leakage or other damage. The interior of the tanks shall be inspected at least every three years, and the inspection report shall be provided to the Department.

**SPECIFIC CONDITIONS:**

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

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

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

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

**17. Gas Monitoring and Control.**

a. Landfills that receive biodegradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C., and as described in Section L.9. of the Operations Plan.

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

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #17., continued)

d. The ambient monitoring points and the soil monitoring probes listed below and shown on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached), shall be sampled at least **quarterly** for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C., as follow:

<u>Ambient Monitoring Points</u>	<u>Description</u>
Maintenance Building	Foundation penetrations; enclosed spaces; electrical control boxes, outlets and openings to conduits; and, ambient air within the
structure	
MRF building	↓
Scale house/office building	↓
Animal control building	↓
<u>Soil Monitoring Probes</u>	<u>Description</u>
GP-1	Northeast corner of landfill footprint
GP-2	North side of landfill footprint
GP-3	Northwest corner of landfill footprint
GP-4	West side of landfill footprint
GP-5	West side of landfill footprint
GP-6	West side of landfill footprint
GP-7	South side of landfill footprint
GP-8	South side of landfill footprint
GP-9	East side of landfill footprint
GP-10	East side of landfill footprint
GP-11	East side of landfill footprint

Gas monitoring probes GP-1 through GP-11 are to be clearly labeled and easily visible at all times.

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

**SPECIFIC CONDITIONS:**

**18. Stormwater Management.**

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

b. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate. All stormwater conveyances shall be inspected **at least weekly** to verify adequate performance and shall be repaired in accordance with the Operations Plan and the conditions of this permit. Conveyances not performing adequately due to erosion or related sedimentation shall be repaired **within seven (7) days**. Documentation of all inspections and repairs shall be kept on file at the facility.

c. All temporary drainage berms, letdown pipes, and conveyances (terrace swales and benches) shall be installed at the earliest possible time, as noted and shown on the Operations Drawings, and as described in Section L.10 of the Operations Plan.

**19. Closure Permit Requirements.** No later than **ninety (90) days** prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

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

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

a. All costs for closure shall be adjusted and submitted **annually, by September 1<sup>st</sup> 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 mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

**SPECIFIC CONDITIONS:**

**22. Control of Nuisance Conditions.**

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

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

**23. Facility Maintenance and Repair.**

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

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

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specified Condition #23.b., above, unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #30, or as otherwise approved by the Department.

**SPECIFIC CONDITIONS:**

(Specific Condition #23., continued)

d. In the event that the 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 #23.b., above, unless otherwise approved by the Department.

e. Erosion. Intermediately covered disposal areas, or other disposal areas which discharge to the stormwater management system, which exhibit significant erosion, shall be repaired according to the following schedule:

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

f. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days.**

**24. Water Quality Monitoring Quality Assurance.**

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

b. The field testing, sample collection, sample preservation and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department, or as published in Standard Methods or by A.S.T.M., or EPA methods shall be used.



**SPECIFIC CONDITIONS:**

**25. Zone of Discharge.**

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

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

**26. Leachate Sampling.** Grab samples of leachate shall be collected at Manhole 9 (WACS Testsite ID No. 21061) of the leachate collection system. This leachate sampling location is identified as M-9 on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached). Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C., as follow:

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

Field Parameters

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

Laboratory Parameters

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

b. If the annual leachate analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. 26.a., and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS:**

**27. Surface Water Sampling.**

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

b. Surface water samples shall be collected at SW-2 (WACS Testsite ID No. 21062) as identified on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached). In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring station shall be marked and its positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

c. **Semi-annual** surface water sampling shall be conducted at SW-2 in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

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

d. Hardee County shall collect samples at SW-2 during the semi-annual periods (January 1 to June 30, and July 1 to December 31 of each year) unless no surface water is present for the entire semi-annual period. In the event that no surface water, flowing offsite, is present for an entire semi-annual period, the report submitted for that period shall include a copy of the daily log (excluding Sundays) maintained by Hardee County of observations at SW-2 to document the absence of surface water at the sampling location.

**SPECIFIC CONDITIONS:**

28. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Water Quality and Leachate Monitoring Plan, Hardee County Landfill, prepared by SCS Engineers, received May 19, 2003, revisions received September 30, 2003 and January 29, 2004. The existing and proposed monitor well and piezometer locations for the facility are identified on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached), as follows:

Well No.	WACS Testsite ID Number	Aquifer	Designation	Location
MW-1	296	Surficial	Background	See Figure K-1
MW-2	297	Surficial	Detection	↓
MW-4	299	Surficial	Background	↓
MW-5	300	Surficial	Detection	↓
MW-8	19255	Surficial	Detection	↓
MW-9	19256	Surficial	Detection	↓
MW-10 *	21063	Surficial	Detection	↓
MW-3	N/A	Surficial	Piezometer (GW)	↓
MW-6	N/A	Surficial	Piezometer (GW)	↓
MW-7	N/A	Surficial	Piezometer (GW)	↓
P-1	N/A	N/A	Piezometer (leachate)	↓
P-2	N/A	N/A	Piezometer (leachate)	↓
P-3	N/A	Surficial	Piezometer (GW)	↓
P-4	N/A	Surficial	Piezometer (GW)	↓
P-5	N/A	Surficial	Piezometer (GW)	↓
P-7	N/A	Surficial	Piezometer (GW)	↓
P-8	N/A	Surficial	Piezometer (GW)	↓
P-9	N/A	N/A	Piezometer (leachate)	↓
P-10	N/A	N/A	Piezometer (leachate)	↓
P-11	N/A	Surficial	Piezometer (GW)	↓
P-12	N/A	Surficial	Piezometer (GW)	↓
P-13	N/A	Surficial	Piezometer (GW)	↓
P-14	N/A	Surficial	Piezometer (GW)	↓
P-15	N/A	N/A	Piezometer (leachate)	↓
P-16	N/A	N/A	Piezometer (leachate)	↓

\* = to be installed **within 90 days of permit issuance** in accordance with the construction details provided in Table 6-1 of the submittal entitled Biennial Groundwater Monitoring Plan Evaluation, Hardee County Landfill, prepared by SCS Engineers, received May 19, 2003, revisions received September 30, 2003; documentation of well construction details as indicated in Specific Condition Nos. 30.c. and 30.d. shall be submitted **within 30 days of well installation**.

Piezometer (GW ) = ground water elevation measuring location

Piezometer (leachate) = leachate elevation measuring location

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

**SPECIFIC CONDITIONS:**

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

a. Ground water levels shall be measured at all wells and piezometers listed in Specific Condition No. 28 during all sampling events described in Specific Condition Nos. 29.c., to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include water elevations (feet NGVD) calculated for each well and piezometer.

b. An **initial sampling event** shall be conducted at proposed detection well MW-10 **within 7 days of well installation and development** for analysis of the following parameters:

Field Parameters

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

**II**

Laboratory Parameters

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

c. The background wells (MW-1 and MW-4) and detection wells (MW-2, MW-5, MW-8, MW-9 and MW-10) shall be sampled **semi-annually** for analysis of the following parameters:

Field Parameters

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

Laboratory Parameters

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

**SPECIFIC CONDITIONS:**

30. **Ground Water Monitor Well Construction.** The following information shall be submitted for all new or replacement monitor wells (and included piezometers), or as stated below:

- a. **Prior to construction** of all new or replacement monitor wells, the permittee shall request and receive Department approval of a minor permit modification.
- b. **Within one week of monitor well completion and development**, each new monitor well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.
- c. **Within 90 days of monitor well installation**, construction details (record drawings) for all new or replacement monitor wells shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (attached).
- d. **Within 90 days of monitor well installation**, a surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitor wells (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, and the locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

31. **Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition No. 28 are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**SPECIFIC CONDITIONS:**

32. **Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

33. **Water Quality, Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (attached). The permittee shall submit the results of the leachate influent (required by Specific Conditions # 31.a.), by **January 15<sup>th</sup> of each year.** The permittee shall submit the results of surface water (required by Specific Condition #34.c.) and ground water quality (required by Specific Condition #36.c.) analysis by **January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

34. **Water Quality Monitoring Plan Evaluation.** By June 15, 2006 or two years from the effective date of permit renewal 1, 2004 and no later than December 1, 2006, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring</u> <u>Data Evaluation Due Date</u>	<u>Starting</u> <u>Sampling Event</u>	<u>Ending</u> <u>Sampling Event</u>
<del>June 1, 2004</del>	Initial sampling event	Second Half 2003
<del>July 15, 2004</del> December 1, 2006 2006	First Half 2004	First Half

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section,

PERMITTEE: Hardee County Solid Waste Dept.  
Ms. Janice Williamson, Director

PERMIT NO: 38414-007-SO  
Hardee County Regional Landfill

Department of Environmental Protection, Southwest District  
Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

**SPECIFIC CONDITIONS:**

35. **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.

36. **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.

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

38. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff  
District Director  
Southwest District

**ATTACHMENT 1**

Specific Condition	Submittal Due Date	Required Item
4, 15.d.	180 days prior to permit expiration	Submit permit renewal application, Submit final report for LCS assessment
5.b., 6.e., 23.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: sinkholes, hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
9.e.	Annually, by September 1 <sup>st</sup> each year	Submit topographic survey & capacity calculations, and certification
15.c.	30 days prior to expiration	Submit copies of leachate disposal agreements
34	By June 1, 2004 and December 1, 2006	Submit water quality monitoring evaluation report
15.e.  17.c.	Quarterly, by January 15 <sup>th</sup> , April 15 <sup>th</sup> , July 15 <sup>th</sup> and October 15 <sup>th</sup>	Submit leachate generation reports  Submit gas monitoring results
19.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application
21.a.  21.b.	Annually, by September 1 <sup>st</sup> each year  Annually	Submit revised cost estimates  Submit proof of funding
23.c.	Within 60 days of notification	Complete repairs to groundwater monitoring system
23.d.	Within 30 days of notification	Implement corrective action for leachate management system damage
27.c.	Semi-annually	Sample/analyze surface water
28	Within 90 days of permit issuance	Install groundwater monitoring well MW-10



ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
26	Annually	Leachate sampling results
29.c.	Semi-annually	Sample groundwater monitoring wells
29.b.	Within 1 week of well completion and development	Conduct initial sampling
30.c. 30.d.	Within 90 days of installation	Submit well construction information, and survey drawing
31.	Within 30 days of well abandonment	Submit abandonment report
33.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit groundwater and surface water monitoring reports
34.	Submit two years after issue of permit (July 15, 2006)	Water Quality Monitoring Evaluation

*Handee of Permit*

**Pelz, Susan**

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**From:** Ford, Kim

**Sent:** Tuesday, February 10, 2004 4:02 PM

**To:** Pelz, Susan; Morris, John R.

**Subject:** conversation with Janice williamson about acceptanvce and use of contaminated soil

On 2/10/04 I spoke with JW. She said DOT has soil with arsenic from a RR and wants to know what to sample for and whether it can be classified as clean soil. I suggested she call Susan to discuss and explained that stormwater cannot be allowed to runoff the landfill from contaminated soil and contaminated soil can be used for cover but only with the bermed area. She said that was also interested in stockpiling outside of the lined area if it is clean.

Kim

8/30/2004

# Memorandum

## Florida Department of Environmental Protection

### PERMIT COVER MEMO

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

FROM/THROUGH:

William Kutash

Susan Pelz, P.E.

ENVIRONMENTAL ADMINISTRATOR  
SOLID WASTE PROGRAM MANAGER

DATE: July 15, 2004

FILE NAME: Hardee Co. LF Operation Renewal  
PROGRAM : Solid Waste

PERMIT #: 38414-007-SO  
COUNTY : Hardee

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

PUBLIC NOTICE PERIOD CLOSED?

PETITION FILED?

PERMIT SUMMARY: This permit renewal allows the continued operation of the Hardee County Class I Landfill and related facilities.

PROFESSIONAL RECOMMENDATION:   x   APPROVE        DENY

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

		TTP
Application received	05/19/03 (KF)	
RAI #1 sent	06/18/03 (KF)	30
Meeting to discuss deficiencies	09/02/03 (KF)	
Partial response to RAI #1 rec'd	09/30/03 (KF)	
Meeting to discuss deficiencies	10/17/03 (KF)	17
Partial submittal rec'd	12/30/03 (KF)	55
Revised financial assurance submittal rec'd	01/14/04 (SM)	
Partial submittal rec'd	01/29/04 (KF)	
Revised plans rec'd	02/23/04 (KF)	
Application complete	02/23/04	
Waiver until 7/16/04 signed	05/21/04 (KF/SJP)	60+29
Draft permit to applicant for review	05/21/04 (SJP)	
Comments from applicant rec'd	07/07/04 (SJP)	8
Final permit for routing	07/15/04	1

Total processing time (TIH)= 423 days (to 7/15/04)  
Department processing time (TTP) = 200 days (to 7/15/04)

DAY 90/30 FOR THIS ACTION IS: ASAP TODAY- Waiver expires 7/16/04

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TAMPA FL 33630  
PM

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Environmental Protection  
District  
m Drive  
619-1352  
D.E.P.  
JUL 19 2004  
Southwest District Tampa  
Waste

Susan Peltz - Schil Waste

336 +1352 |||||

7002 3150 0003 8459 6009

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or PO Box No.  
City, State, ZIP+

Janice Williamson, Director  
Hardee County Solid Waste Dept.  
685 Airport Road  
Wauchula, FL 33873

PS Form 3800, June 2002

See Reverse for Instructions

Is your RETURN ADDRESS completed on the reverse side?

**SENDER: ISSUED PERMIT # 38414-007-50**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b. *Hardee Co. FL*
- 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 any extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Janice Williamson, Director  
Hardee County Solid Waste Dept.  
685 Airport Road  
Wauchula, FL 33873

4a. Article Number

7002 3150 0003 8459 6009

4b. Service Type

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

7. Date of Delivery

*7-17-04*

5. Received By: (Print Name)

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

6. Signature: (Addressee or Agent)

*X Sandra G. Willis*

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

Colleen M. Castille  
Secretary

July 15, 2004

CERTIFIED MAIL 7002 3150 0003 8459 6009  
RETURN RECEIPT REQUESTED

## NOTICE OF PERMIT

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

DEP File no.: 38414-007-SO

Dear Ms. Williamson:

Enclosed is **Operation Permit Number 38414-007-SO**, issued pursuant to Section(s) 403.087(1), Florida Statutes to continue operation of the Hardee County Landfill located at 685 Airport Road, Wauchula, Fl.

A person whose substantial interests are affected by this 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;

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*Printed on recycled paper.*

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

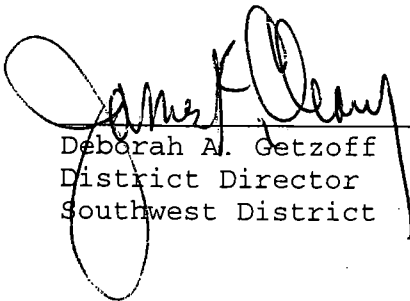
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard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

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

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., 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  
District Director  
Southwest District

DAG/sjp  
Attachment

Copies furnished to:

Joseph H. O'Neill, P.E., SCS Engineers, Inc., 3012 US Hwy 301 North,  
Ste. 700, Tampa, Fl. 33619-2242  
Hardee County Board of County Commissioners  
Hardee County Notification List  
Douglas Beason, OGC Tallahassee  
Richard Tedder, P.E., FDEP Tallahassee  
Fred Wick, FDEP Tallahassee  
Permit Notebook

**CERTIFICATE OF SERVICE**

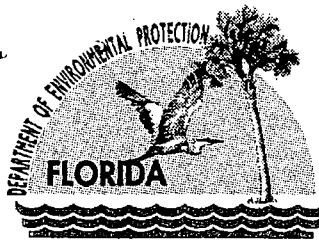
This undersigned duly designated deputy clerk hereby certifies  
that this **NOTICE OF PERMIT** and all copies were mailed before the close  
of business on July 15, 2004 to the listed persons.  
(date stamp)

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

Anna Black  
Clerk

07/15/2004  
Date





# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Colleen M. Castille  
Secretary

## PERMITTEE

Hardee County  
Solid Waste Department  
c/o Ms. Janice Williamson  
685 Airport Road  
Wauchula, Florida 33873

## PERMIT/CERTIFICATION

WACS Facility ID No: SWD/25/40612  
Permit No: **38414-007-SO**  
Date of Issue: **07/15/2004**  
Expiration Date: **07/15/2009**  
County: Hardee  
Lat/Long: 27°34'17"N  
81°46'58"W  
Sec/Town/Rge: 35/33S/25E  
Project: Hardee County Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor, and maintain a Class I landfill (approximately 12.5 acres), referred to as the Hardee County Landfill, and related ancillary facilities, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at 685 Airport Road, east of the City of Wauchula, Hardee County, Florida. The specific conditions attached are for the operation of a:

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

General Information:	
Disposal acres	12.5 acres (Phase I)
Lowest elevation	+72 feet NGVD (approximate top of clay)
Bottom liner design	In-situ clay bottom w/geosynthetic sidewalls
LCS design	perimeter rock/LCS piping
LDS design	none
Final elevation	+152 feet NGVD, including final cover
Slopes	3H:1V (N, S, E) and 3.5H:1V (W), 5% top slope

Replaces Permit No.: 38414-002-SO and modification #38414-004 (8/10/01), #38414-005 (10/22/01) and #38414-006 (11/22/02).

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.

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**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.

**GENERAL CONDITIONS:**

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

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

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.

**GENERAL CONDITIONS:**

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

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

**SPECIFIC CONDITIONS:**

1. **Landfill Designation.** This landfill shall be classified as a Class I landfill and shall be operated, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for operation of the Class I landfill (Phase I), leachate storage tanks system, and related ancillary facilities, in accordance with the reports, plans and other information submitted by SCS Engineers, Inc. (SCS) as follows:

a. Document entitled Operations Permit Renewal Application - Hardee County Landfill, dated May 16, 2003 (received May 19, 2003) including but not limited to the following information (pages inserted into original where appropriate):

1) Response to Request for Additional Information - Operations Permit Renewal Application - Hardee County Landfill, dated and received on September 30, 2003;

2) Submittal of Modified Information for the Hardee County landfill,... dated and received December 30, 2003;

3) Additional Requested Information,... dated and received on January 29, 2004

b. Operations Plan for Hardee County Landfill,... dated December 24, 2003 (received December 30, 2003), including revised pages inserted into original dated and received January 29, 2004;

c. Water Quality and Leachate Monitoring Plan, Hardee County landfill,... (Attachment M-1 of SC#2.a., above) dated May 16, 2003 including revised pages received September 30, 2003 and January 29, 2004 (inserted into original);

d. Operations Drawings dated January 2004 (received February 23, 2004);

and in accordance with all applicable requirements of Department rules.

**SPECIFIC CONDITIONS:**

**3. Permit Modifications.**

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

b. This permit does not authorize construction of a lateral or vertical landfill expansion. Upon completion of construction a lateral expansion to the facility, the permittee shall submit a permit application for operation of the system. This application shall be submitted as part of the Certification of Construction Completion documentation required by the construction permit and shall include:

- 1) the application form and fee,
- 2) certification of construction completion for the expansion with related documents required as part of the construction permit,
- 3) proof of adequate financial assurance, and
- 4) the Operations Plan and Operations Drawings with revisions to include the operation, monitoring and maintenance of the expansion.

c. Construction of improvements that include a liner or components of a liner system (such as the permanent drainage pipes, related structures, the permanent access road, and significant repairs to the leachate collection and removal system) shall not commence until receipt and approval of an appropriate construction quality assurance (CQA) plan. The CQA plan shall include all of the information required by Rule 62-701.400(7) (and Rule 62-701.400(8) where applicable).

d. Use of heavy equipment on the landfill not previously approved as part of this permit (such as equipment that is heavier or equipment that has more concentrated loading impacts than the equipment that was considered as part of the slope stability calculations for this permit) shall not commence until approved in writing by the Department.

**SPECIFIC CONDITIONS:**

4. **Permit Renewal.** No later than one hundred eighty (180) days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rules 62-4.090 and 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for the sequence of filling with cross-sections of lifts, with revisions if necessary.

5. **Prohibitions.**

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

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be reported **within 24 hours** of discovery in accordance with Specific Condition #23.b., with written notification submitted **within 7 days** of discovery. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time. Leachate discharge to area surface waters is not authorized by this permit and shall be considered a violation of this permit. The permittee shall immediately report any such discharge to the Southwest District Office of the Department in accordance with Specific Condition #23.b., below.

d. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. 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 62-296.401, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #23.b., below.

6. **Facility Operation Requirements.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #6., continued)

c. Sufficient personnel and equipment shall be utilized to adequately operate the facility.

d. Ponded Water/Leachate. In the event of stormwater control problems which allow prolonged (greater than 72 hours) contact of ponded water with waste, the disposal of waste in the affected area shall cease in the affected area until the leachate has been collected and appropriate drainage has been restored.

e. In the event of equipment breakdown or scheduled maintenance of essential equipment (such as equipment required for spreading, compacting and covering waste), the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 24 hours** of the occurrence. In the event that sufficient reserve equipment is not obtained **within 24 hours**, the permittee shall notify the Department in accordance with Specific Condition #23.b., below and provide a schedule for corrective actions.

f. Unauthorized Wastes. A sufficient number of spotters and operators shall be utilized at the facility for removing (and arranging for the removal of) unacceptable wastes (such as liquids, biomedical waste, hazardous and unknown wastes, etc.) from the working face. At a minimum, spotting shall occur at the working face from the ground (while off of the equipment).

g. Special Wastes. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the Operations Plan [ref.SC#2.b.] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that discharge of contaminants to the environment is prevented.

1) Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

2) Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in Sections L.1. and L.2.d. of the Operations Plan. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the Operations Plan and this permit, unless another frequency for removal is approved in writing by the Department.

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



**SPECIFIC CONDITIONS:**

(Specific Condition #6.g., continued)

4) *Contaminated Soil.* Contaminated soil may be accepted for storage or disposal (within the bermed working area) provided that representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

5) *White Goods and other scrap metal.* White goods and lawnmowers which may contain liquids (such as oil or gasoline), chlorofluorocarbons (CFCs such as freon), or other gasses shall be stored and managed in a manner such that the liquids are contained, and CFCs or other gasses are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked. A maximum of 400 tons of scrap metal (including no more than 200 white goods) may be stored at the site at any time, and shall be removed at least **semi-annually (every 6 months)** as described in the Operations Plan.

6) *Yard Trash.* Yard trash (including clean wood) shall be managed according to Rule 62-709.320, F.A.C., and as described in the Operations Plan. Yard trash shall be processed at least **semi-annually (every 6 months)** or when a maximum of 3000 tons or 12,000 cubic yards has accumulated, whichever is sooner. A maximum of 3000 tons (or 12,000 cubic yards) of yard trash may be stored at the site at any time.

7) *Waste Tires.* Waste tires shall be managed according to the current Department-approved waste tire processing facility permit.

h. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the Operations Plan, and stored at the Household Hazardous Waste Collection Center (HHWCC).

1) HHW shall be identified, and then relocated for storage within the containment area of the HHWCC at the end of each collection day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

**SPECIFIC CONDITIONS:**

(Specific Condition #6.h., continued)

- 4) Non-latex paints shall not be air dried.
  - 5) Waste received at the HHWCC shall be stored within containment areas at all times.
  - 6) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility for Department review upon request.
  - 7) Miscellaneous household hazardous wastes (such as paint, fluorescent light bulbs, chemicals, etc.) shall be managed as described in the Operations Plan. A maximum of 100 gallons of paint, 400 light bulbs, 50 gallons of liquid chemicals, and 250 lbs. of dry chemicals may be stored at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.
  - 8) *Lead acid batteries.* The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 140 batteries may be stored at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.
  - 9) *Used oil.* Used oil storage is limited to a maximum of 700 gallons stored in the tanks at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.
  - 10) *Electronics.* Electronics to be recycled shall be stored in an undamaged condition, and removed at least **semi-annually (every 6 months)**. Electronics that have been damaged (such as broken into pieces) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **quarterly (every 3 months)**.
- i. Site Inspections.
- 1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) **daily on operating days**. Erosion and settlement shall be repaired in accordance with Specific Conditions #23.e. and #23.f., below.
  - 2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #22.b., below.

**SPECIFIC CONDITIONS:**

(Specific Condition #6.i., continued)

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

4) Setback areas in the vicinity of all waste storage and disposal areas, the location of adjacent stormwater management system features (i.e. retention areas, ponds, swales), and all disposal area boundaries shall be clearly marked and the markers inspected **daily on operating days**. The permittee shall clearly stake/mark the location of the edge of the geomembrane liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility.

**7. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with Operations Drawings [ref. SC#2.d.], and as described in the Operations Plan, or as otherwise approved in writing by the Department.

b. Waste shall be setback a minimum of 5 feet from the inside top edge of the side portion of the bottom liner, and as shown on the Operations Drawings.

**8. Operating Personnel.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #8, continued)

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

**9. Operation Plan and Operating Record.**

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

b. Proposed changes to the current Department-approved Operations Plan shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #3. The Operations Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough (~~struckthrough~~) and additions may be shaded (~~shaded~~) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, shall be provided to the Southwest District Solid Waste Section, 3804 Coconut Palm Drive, Tampa, FL 33619.

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

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C., and as described in Specific Condition #10;
- 2) A log of the facility operator's daily inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed;
- 5) Operator and spotter training certificates and other documentation;
- 6) Log of odor complaints and corrective action; and

**SPECIFIC CONDITIONS:**

(Specific Condition #9.d., continued)

7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.

e. Capacity Report. The owner or operator shall conduct a topographic survey of the Class I disposal area, and shall estimate the remaining disposal capacity and site life as required by Rule 62-701.500(13)(c), F.A.C. The permittee shall establish survey markers on the landfill to control filling. The survey markers will be clearly indicate design grade elevations and remain in-place during operations of the landfill. If disturbed or destroyed the markers will be replaced and a registered professional land surveyor will replace and certify the replaced markers. a minimum of one time during the life of permit. **Annually, no later than September 1<sup>st</sup> each year,** calculations for the remaining disposal capacity shall be submitted to the Department. A full topographic survey of the landfill be shall conducted twice during the permit period and shall be submitted **no later than July 15, 2006 and January 15, 2009.** A copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes, that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved Operations Drawings.

f. Certifications of construction completion. Certifications shall be provided for all permanent construction (e.g., for construction of permanent drainage swales and letdown pipes, other significant repairs and improvements). Within **thirty (30) days** after the specified construction has been completed or as otherwise specified by the Department, the following activities shall be completed:

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #9.f., continued)

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

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

**10. Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**11. Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

**12. Monitoring of Waste.**

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

**SPECIFIC CONDITIONS:**

(Specific Condition #12, continued)

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #28.b., below.

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

13. **Waste Handling Requirements.** All solid waste disposed of in the Class I disposal area shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I disposal area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day.**

2) The following alternate daily cover materials are acceptable for use at this facility. Alternate daily cover materials not identified below are required to be approved by the Department prior to use at the facility.

a) **TARPS.** 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 **(within the bermed working area).**

**SPECIFIC CONDITIONS:**

(Specific Condition #13.a(2), continued)

b) **WASTE TIRES.** Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover **(within the bermed working area)**.

c) **YARD TRASH (COMPOST OR MULCH).** Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial cover. The processed yard trash shall not contain particles greater than six inches.

d) **CONTAMINATED SOIL.** Contaminated soil applied in a six (6) inch compacted layer, may be used as initial cover **(within the bermed working area)** provided that representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C.. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

1) An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.

2) **YARD TRASH (COMPOST OR MULCH).** The following alternate cover materials are also approved for intermediate cover when applied as a one (1) foot of compacted layer in addition to the six (6) inch initial cover.

a) Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as intermediate cover. 90% of the compost shall pass through a 3/4" screen prior to mixing with soil. At least one sample of the compost (prior to mixing with soil) **shall be tested weekly (only if the yard trash is to be used that week)** to verify particle size distribution. Tested can be a visual test, conducted by the owner, if the owner provides a mechanical method onsite for control particle sizes.



**SPECIFIC CONDITIONS:**

(Specific Condition #13.b(2), continued)

b) YARD TRASH (COMPOST OR MULCH). A "mixture" of yard trash mulch and soil, such that (for the mixture) 100% shall pass a 2" screen, 85% shall pass a 3/4" screen, and 70% shall pass a 1/4" screen; and applied in a six (6) inch compacted layer, may be used as intermediate cover. At least one sample of the "mixture" **shall be tested weekly (only if the yard trash is to be used that week)** to verify particle size distribution. Tested can be a visual test, conducted by the owner, if the owner provides a mechanical method onsite for control particle sizes.

c) YARD TRASH (COMPOST OR MULCH). Composted yard trash, screened through a 1/2" mesh, and then mixed in the ratio of 75% screened compost to 25% soil, and applied in a six (6) inch compacted layer, may be used as intermediate cover.

3) Upon reaching the designed elevations and slope on the external sideslopes, the owner will provide a soil mixture capable of establishing vegetative growth on the sideslopes. Vegetative growth on the sideslopes will be established with 30 days of reaching the designed elevations and slopes on the external sideslopes and be sufficient to minimize erosion. If erosion should occur, then erosion and settlement shall be repaired in accordance with Specific Conditions #23.e. and #23.f., below.

c. Cover materials which have been previously used for intermediate or initial cover, and which contain solid waste (such as waste tire pieces, shredded shingles, C&D debris, ash, contaminated soil, etc.), shall not be re-used on areas which discharge to the stormwater management system or as berms around the perimeter of the active working face area. These materials may be re-used as initial cover (subject to Department approval) provided the runoff from these areas is managed as leachate.

d. The top of each lift of waste shall be maintained with a minimum 2% slope as described in the Operations Plan.

**14. Working Face.**

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

**SPECIFIC CONDITIONS:**

(Specific Condition #14, continued)

b. **Interceptor/containment berms shall be maintained around the working area to prevent leachate runoff from the working face from entering the stormwater management system.** Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste, and have been adequately covered with at least 6 inches of compacted soil or other Department-approved intermediate cover material that is free of waste and is stabilized to control erosion.

c. Waste shall be spread and compacted in accordance with the Operations Plan. Slopes shall be maintained in accordance with the Operations Drawings. The working face slope shall be no greater (steeper) than 3H:1V.

**15. Leachate Management.**

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

b. Leachate which has accumulated on the surface in low areas shall be collected and removed from the disposal area within 72 hours for appropriate treatment or disposal.

c. Leachate Disposal.

1) Leachate shall be hauled offsite for disposal at an appropriately permitted wastewater treatment facility (WWTP). No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

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

d. Leachate Collection and Removal System (LCRS) Inspections/Maintenance.

1) The leachate collection and removal system and gravity pipelines, shall be visually or video inspected or water pressure cleaned at cleanouts and access pipes to verify adequate performance at least once during this permit period. Force mains shall be video inspected or water pressure cleaned when the pump station performance indicates that the force mains may be obstructed. An inspection report shall be

**SPECIFIC CONDITIONS:**

(Specific Condition #15.d, continued)

provided and shall include an evaluation of the effectiveness of the system, the locations of cleaning and video inspections (indicated on a Site Plan drawn to scale) with the locations and the cause of all obstructions encountered, proposed corrective actions, and schedule for implementation of corrective actions as appropriate. If the pipes are water-jet cleaned, the report shall include a description of the method of cleaning. Components not performing adequately shall be cleaned and/or repaired. **No later than one hundred and eighty (180) days prior to permit expiration**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) when required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be signed and sealed by a professional engineer, and shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The permittee shall retain a copy of the final report, each inspection report, and each inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.

2) Each pump and pump station and related sensors and controller mechanisms shall be inspected on a semi-annual basis. Pump performance shall be verified semi-annually by performing a flow test on each pump. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance. Documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.

3) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the Operations Plan.

4) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to the any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.

**SPECIFIC CONDITIONS:**

(Specific Condition #15, continued)

e. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected within 24 hours of detection, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #23.b., below.

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

f. Leachate Storage Tanks. The leachate storage tanks shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. The tanks, containment area, and truck loadout area, and other leachate storage system appurtenances shall be inspected **at least weekly** for leakage or other damage. The interior of the tanks shall be inspected at least every three years, and the inspection report shall be provided to the Department.

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

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

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

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

**SPECIFIC CONDITIONS:**

**17. Gas Monitoring and Control.**

a. Landfills that receive biodegradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C., and as described in Section L.9. of the Operations Plan.

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

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

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

d. The ambient monitoring points and the soil monitoring probes listed below and shown on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached), shall be sampled at least **quarterly** for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C., as follow:

<u>Ambient Monitoring Points</u>	<u>Description</u>
Maintenance Building	Foundation penetrations; enclosed spaces; electrical control boxes, outlets and openings to conduits; and, ambient air within the
structure	
MRF building	↓
Scale house/office building	↓
Animal control building	↓

<u>Soil Monitoring Probes</u>	<u>Description</u>
GP-1	Northeast corner of landfill footprint
GP-2	North side of landfill footprint
GP-3	Northwest corner of landfill footprint
GP-4	West side of landfill footprint
GP-5	West side of landfill footprint
GP-6	West side of landfill footprint
GP-7	South side of landfill footprint
GP-8	South side of landfill footprint
GP-9	East side of landfill footprint
GP-10	East side of landfill footprint
GP-11	East side of landfill footprint

Gas monitoring probes GP-1 through GP-11 are to be clearly labeled and easily visible at all times.

**SPECIFIC CONDITIONS:**

(Specific Condition #17, continued)

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

**18. Stormwater Management.**

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

b. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate. All stormwater conveyances shall be inspected **at least weekly** to verify adequate performance and shall be repaired in accordance with the Operations Plan and the conditions of this permit. Conveyances not performing adequately due to erosion or related sedimentation shall be repaired **within seven (7) days**. Documentation of all inspections and repairs shall be kept on file at the facility.

c. All temporary drainage berms, letdown pipes, and conveyances (terrace swales and benches) shall be installed at the earliest possible time, as noted and shown on the Operations Drawings, and as described in Section L.10 of the Operations Plan.

**19. Closure Permit Requirements.** No later than **ninety (90) days** prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

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

**SPECIFIC CONDITIONS:**

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

a. All costs for closure shall be adjusted and submitted **annually, by September 1<sup>st</sup> 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 mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

22. **Control of Nuisance Conditions.**

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

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

23. **Facility Maintenance and Repair.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #23, continued)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specified Condition #23.b., above, unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #30, or as otherwise approved by the Department.

d. In the event that the 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 #23.b., above, unless otherwise approved by the Department.

e. Erosion. Intermediately covered disposal areas, or other disposal areas which discharge to the stormwater management system, which exhibit significant erosion, shall be repaired according to the following schedule:

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

f. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days.**

**24. Water Quality Monitoring Quality Assurance.**

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



**SPECIFIC CONDITIONS:**

(Specific Condition #24, continued)

b. The field testing, sample collection, sample preservation and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department, or as published in Standard Methods or by A.S.T.M., or EPA methods shall be used.

**25. Zone of Discharge.**

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

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

**26. Leachate Sampling.** Grab samples of leachate shall be collected at Manhole 9 (WACS Testsite ID No. 21061) of the leachate collection system. This leachate sampling location is identified as M-9 on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached). Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C., as follow:

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

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

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

b. If the annual leachate analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. 26.a., and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS:**

**27. Surface Water Sampling.**

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

b. Surface water samples shall be collected at SW-2 (WACS Testsite ID No. 21062) as identified on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached). In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring station shall be marked and its positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

c. **Semi-annual** surface water sampling shall be conducted at SW-2 in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

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

d. Hardee County shall collect samples at SW-2 during the semi-annual periods (January 1 to June 30, and July 1 to December 31 of each year) unless no surface water is present for the entire semi-annual period. In the event that no offsite surface water discharge is observed for an entire semi-annual period, the report submitted for that period shall include a copy of the daily log (excluding Sundays) maintained by Hardee County of observations at SW-2 to document the absence of offsite surface water discharge at the sampling location.

**SPECIFIC CONDITIONS:**

28. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Water Quality and Leachate Monitoring Plan, Hardee County Landfill, prepared by SCS Engineers, received May 19, 2003, revisions received September 30, 2003 and January 29, 2004. The existing and proposed monitor well and piezometer locations for the facility are identified on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached), as follows:

<u>Well No.</u>	<u>WACS Testsite ID Number</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1	296	Surficial	Background	See Figure K-1
MW-2	297	Surficial	Detection	↓
MW-4	299	Surficial	Background	↓
MW-5	300	Surficial	Detection	↓
MW-8	19255	Surficial	Detection	↓
MW-9	19256	Surficial	Detection	↓
MW-10 *	21063	Surficial	Detection	↓
MW-3	N/A	Surficial	Piezometer (GW)	↓
MW-6	N/A	Surficial	Piezometer (GW)	↓
MW-7	N/A	Surficial	Piezometer (GW)	↓
P-1	N/A	N/A	Piezometer (leachate)	↓
P-2	N/A	N/A	Piezometer (leachate)	↓
P-3	N/A	Surficial	Piezometer (GW)	↓
P-4	N/A	Surficial	Piezometer (GW)	↓
P-5	N/A	Surficial	Piezometer (GW)	↓
P-7	N/A	Surficial	Piezometer (GW)	↓
P-8	N/A	Surficial	Piezometer (GW)	↓
P-9	N/A	N/A	Piezometer (leachate)	↓
P-10	N/A	N/A	Piezometer (leachate)	↓
P-11	N/A	Surficial	Piezometer (GW)	↓
P-12	N/A	Surficial	Piezometer (GW)	↓
P-13	N/A	Surficial	Piezometer (GW)	↓
P-14	N/A	Surficial	Piezometer (GW)	↓
P-15	N/A	N/A	Piezometer (leachate)	↓
P-16	N/A	N/A	Piezometer (leachate)	↓

\* = to be installed **within 90 days of permit issuance** in accordance with the construction details provided in Table 6-1 of the submittal entitled Biennial Groundwater Monitoring Plan Evaluation, Hardee County Landfill, prepared by SCS Engineers, received May 19, 2003, revisions received September 30, 2003; documentation of well construction details as indicated in Specific Condition Nos. 30.c. and 30.d. shall be submitted **within 30 days of well installation**.

Piezometer (GW) = ground water elevation measuring location

Piezometer (leachate) = leachate elevation measuring location

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

**SPECIFIC CONDITIONS:**

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

a. Ground water levels shall be measured at all wells and piezometers listed in Specific Condition No. 28 during all sampling events described in Specific Condition Nos. 29.c., to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include water elevations (feet NGVD) calculated for each well and piezometer.

b. An **initial sampling event** shall be conducted at proposed detection well MW-10 **within 7 days of well installation and development** for analysis of the following parameters:

Field Parameters

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

Laboratory Parameters

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

c. The background wells (MW-1 and MW-4) and detection wells (MW-2, MW-5, MW-8, MW-9 and MW-10) shall be sampled **semi-annually** for analysis of the following parameters:

Field Parameters

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

Laboratory Parameters

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

**SPECIFIC CONDITIONS:**

30. **Ground Water Monitor Well Construction.** The following information shall be submitted for all new or replacement monitor wells (and included piezometers), or as stated below:

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

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

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

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

31. **Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition No. 28 are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**SPECIFIC CONDITIONS:**

**32. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

**33. Water Quality, Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (attached). The permittee shall submit the results of the leachate sampling(required by Specific Conditions #26.a.), by **January 15<sup>th</sup> of each year**. The permittee shall submit the results of surface water (required by Specific Condition #27.c.) and ground water quality (required by Specific Condition #29.c.) analysis by **January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

**34. Water Quality Monitoring Plan Evaluation.** By **July 15, 2006 and no later than January 15, 2009**, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
<b>July 15, 2006</b>	First Half 2003	First Half 2006
<b>January 15, 2009</b>	Second Half 2006	Second Half 2008

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

**SPECIFIC CONDITIONS:**

35. **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.

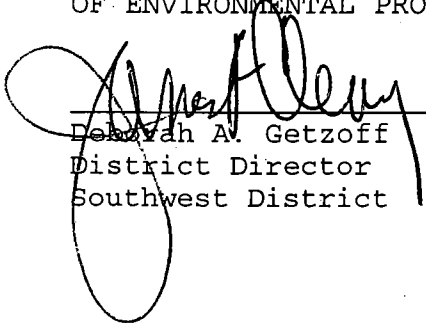
36. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

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

38. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



\_\_\_\_\_  
Deborah A. Getzoff  
District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
4, 15.d.	180 days prior to permit expiration	Submit permit renewal application, Submit final report for LCS assessment
5.b., 6.e., 23.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: sinkholes, hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
9.e.	Annually, by September 1 <sup>st</sup> each year  By July 15, 2006 and January 15, 2009	Submit capacity calculations  Submit topographic survey, capacity calculations and certification
9.f.	Within 30 days of construction completion	Submit certification of construction completion, record documents, etc.
15.c.	30 days prior to expiration	Submit copies of leachate disposal agreements
15.e(2)  17.c.	Quarterly, by January 15 <sup>th</sup> , April 15 <sup>th</sup> , July 15 <sup>th</sup> and October 15 <sup>th</sup>	Submit leachate generation reports  Submit gas monitoring results
19.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application
21.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
21.b.	Annually	Submit proof of funding
23.c.	Within 60 days of notification	Complete repairs to groundwater monitoring system
23.d.	Within 30 days of notification	Implement corrective action for leachate management system damage
27.c.	Semi-annually	Sample/analyze surface water
28.	Within 90 days of permit issuance	Install groundwater monitoring well MW-10



ATTACHMENT 1		
Specific Condition	Submittal Due Date	Required Item
29.c.	Semi-annually	Sample groundwater monitoring wells
29.b., 30.b.	Within 1 week of well completion and development	Conduct initial sampling
30.c. 30.d.	Within 90 days of installation	Submit well construction information, and survey drawing
31.	Within 30 days of well abandonment	Submit abandonment report
33.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit groundwater and surface water monitoring reports
33.	Annually, by January 15 <sup>th</sup> each year	Submit leachate quality monitoring results
34.	By July 15, 2006 and January 15, 2009	Submit water quality monitoring evaluation report

JAN 29 2004

SOUTHWEST DISTRICT

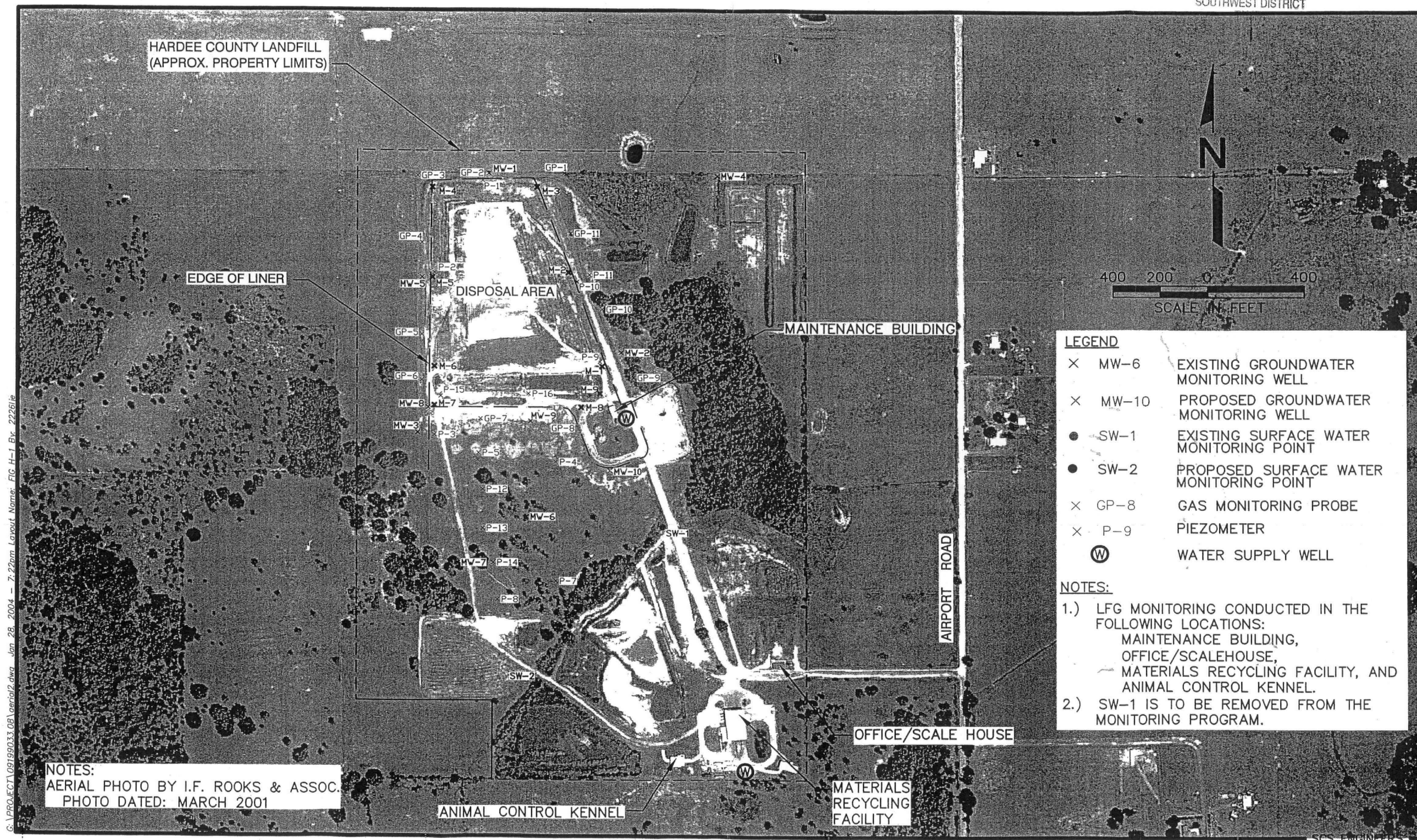


Figure K-1. Monitoring Locations, Hardee County Landfill, Hardee County, Florida



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

DEP Form # 62-522.900(3)
Form Title <u>MONITOR WELL COMPLETION REPORT</u>
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

## MONITOR WELL COMPLETION REPORT

DATE: \_\_\_\_\_

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ (bls) DEPTH OF SCREEN: \_\_\_\_\_ (bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

COMPLETION DATE: \_\_\_\_\_

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

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

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring  
Report

Effective Date

DEP Application No.

GROUND WATER MONITORING REPORT  
Rule 62-522.600(11)

PART I GENERAL INFORMATION

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

Certification

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

Date:

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP # /HRS Certification #

\*Comp QAP # /HRS Certification #

Lab Name

Address

Phone Number ( )



**Pelz, Susan**

---

**From:** Janet L. Heinemann [jheinemann@scsengineers.com]  
**Sent:** Wednesday, July 07, 2004 8:34 AM  
**To:** Pelz, Susan  
**Cc:** Joe O'Neill; 'janice.williamson@hardeecounty.net'  
**Subject:** Hardee County  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Joe will be in the office tomorrow morning. Attached are Joe's comments and Janice Williamson's comments. Please call Joe on his cell phone if you have any questions (813-628-1476).

Janet L. Heinemann  
SCS Engineers  
3012 U.S. Highway 301 North, Suite 700  
Tampa, FL 33619  
(813) 621-0080  
Fax (813) 623-6757  
[jheinemann@scsengineers.com](mailto:jheinemann@scsengineers.com) <<mailto:jheinemann@scsengineers.com>>  
[www.scsengineers.com](http://www.scsengineers.com) <<http://www.scsengineers.com/>>

**PERMITTEE**

Hardee County  
Solid Waste Department  
c/o Ms. Janice Williamson  
685 Airport Road  
Wauchula, Florida 33873

**PERMIT/CERTIFICATION**

WACS Facility ID No: SWD/25/40612  
Permit No: **38414-007-SO**  
Date of Issue: 07  
Expiration Date: 05/15/2009  
County: Hardee  
Lat/Long: 27°34'17"N  
81°46'58"W  
Sec/Town/Rge: 35/33S/25E  
Project: Hardee County  
~~Regional Landfill~~

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor, and maintain a Class I landfill (approximately 12.5 acres), referred to as the Hardee County ~~Regional Landfill~~, and related ancillary facilities, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at 68575 Airport Road, east of the City of Wauchula, Hardee County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. ~~2.~~ Leachate storage tanks system
3. Yard Trash Processing Area
4. Scrap Metals and White Goods Storage Area
5. Household Hazardous Waste Collection Center (HHWCC)
6. related appurtenances
3. ~~related appurtenances~~

General Information:	
Disposal acres	12.5 acres (Phase I)
Lowest elevation	+72 feet NGVD (approximate top of clay)
Bottom liner design	In-situ clay bottom w/geosynthetic sidewalls
LCS design	perimeter rock/LCS piping
LDS design	none <sup>2</sup> <i>including final cover</i>
Final elevation,	+150 feet NGVD <del>+152 feet NGVD with Closure Cap</del>
Slopes	3H:1V (N, S, E) and 3.5H:1V (W), 5% top slope

Replaces Permit No.: 38414-002-SO and modification #38414-004 (8/10/01), #38414-005 (10/22/01) and #38414-006 (11/22/02).

PERMITTEE: Hardee County Solid Waste Dept.  
Ms. Janice Williamson, Director

PERMIT NO: 38414-007-SO  
Hardee County Regional Landfill

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.

**GENERAL CONDITIONS:**

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

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

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.

**GENERAL CONDITIONS:**

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

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

**SPECIFIC CONDITIONS:**

1. **Landfill Designation.** This landfill shall be classified as a Class I landfill and shall be operated, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for operation of the Class I landfill (Phase I), leachate storage tanks system, and related ancillary facilities, in accordance with the reports, plans and other information submitted by SCS Engineers, Inc. (SCS) as follows:

a. Document entitled Operations Permit Renewal Application - Hardee County Landfill, dated May 16, 2003 (received May 19, 2003) including but not limited to the following information (pages inserted into original where appropriate):

1) Response to Request for Additional Information - Operations Permit Renewal Application - Hardee County Landfill, dated and received on September 30, 2003;

2) Submittal of Modified Information for the Hardee County landfill,... dated and received December 30, 2003;

3) Additional Requested Information,... dated and received on January 29, 2004

b. Operations Plan for Hardee County Landfill,... dated December 24, 2003 (received December 30, 2003), including revised pages inserted into original dated and received January 29, 2004;

c. Water Quality and Leachate Monitoring Plan, Hardee County landfill,... (Attachment M-1 of SC#2.a., above) dated May 16, 2003 including revised pages received September 30, 2003 and January 29, 2004 (inserted into original);

d. Operations Drawings dated January 2004 (received February 23, 2004);

and in accordance with all applicable requirements of Department rules.

**SPECIFIC CONDITIONS:**

**3. Permit Modifications.**

- a. Construction, operation or other activities not previously approved as part of this permit shall require a separate Department permit, a permit modification, or as otherwise approved in writing by the Department. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.
- b. This permit does not authorize construction of a lateral or vertical landfill expansion. Upon completion of construction a lateral expansion to the facility, the permittee shall submit a permit application for operation of the system. This application shall be submitted as part of the Certification of Construction Completion documentation required by the construction permit and shall include:
  - 1) the application form and fee,
  - 2) certification of construction completion for the expansion with related documents required as part of the construction permit,
  - 3) proof of adequate financial assurance, and
  - 4) the Operations Plan and Operations Drawings with revisions to include the operation, monitoring and maintenance of the expansion.
- c. Construction of improvements that include a liner or components of a liner system (such as the permanent drainage pipes, related structures, the permanent access road, and significant repairs to the leachate collection and removal system) shall not commence until receipt and approval of an appropriate construction quality assurance (CQA) plan. The CQA plan shall include all of the information required by Rule 62-701.400(7) (and Rule 62-701.400(8) where applicable).
- d. Use of heavy equipment on the landfill not previously approved as part of this permit (such as equipment that is heavier or equipment that has more concentrated loading impacts than the equipment that was considered as part of the slope stability calculations for this permit) shall not commence until approved in writing by the Department.

**SPECIFIC CONDITIONS:**

4. **Permit Renewal.** No later than one hundred eighty (180) days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rules 62-4.090 and 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for the sequence of filling with cross-sections of lifts, with revisions if necessary.

5. **Prohibitions.**

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

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be reported **within 24 hours** of discovery in accordance with Specific Condition #23.b., with written notification submitted **within 7 days** of discovery. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time. Leachate discharge to area surface waters is not authorized by this permit and shall be considered a violation of this permit. The permittee shall immediately report any such discharge to the Southwest District Office of the Department in accordance with Specific Condition #23.b., below.

d. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. 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 62-296.401, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #23.b., below.

6. **Facility Operation Requirements.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #6., continued)

c. Sufficient personnel and equipment shall be utilized to adequately operate the facility.

d. Ponded Water/Leachate. In the event of stormwater control problems which allow prolonged (greater than 72 hours) contact of ponded water with waste, the disposal of waste in the affected area shall cease in the affected area until the leachate has been collected and appropriate drainage has been restored.

e. In the event of equipment breakdown or scheduled maintenance of essential equipment (such as equipment required for spreading, compacting and covering waste), the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 24 hours** of the occurrence. In the event that sufficient reserve equipment is not obtained **within 24 hours**, the permittee shall notify the Department in accordance with Specific Condition #23.b., below and provide a schedule for corrective actions.

f. Unauthorized Wastes. A sufficient number of spotters and operators shall be utilized at the facility for removing (and arranging for the removal of) unacceptable wastes (such as liquids, biomedical waste, hazardous and unknown wastes, etc.) from the working face. At a minimum, spotting shall occur at the working face from the ground (while off of the equipment).

g. Special Wastes. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the Operations Plan [ref.SC#2.b.] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that discharge of contaminants to the environment is prevented.

1) Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

2) Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in Sections L.1. and L.2.d. of the Operations Plan. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the Operations Plan and this permit, unless another frequency for removal is approved in writing by the Department.

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

**SPECIFIC CONDITIONS:**

(Specific Condition #6.g., continued)

4) *Contaminated Soil.* Contaminated soil may be accepted for storage or disposal (within the bermed working area) provided that representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

5) *White Goods and other scrap metal.* White goods and lawnmowers which may contain liquids (such as oil or gasoline), chlorofluorocarbons (CFCs such as freon), or other gasses shall be stored and managed in a manner such that the liquids are contained, and CFCs or other gasses are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked. A maximum of 400 tons of scrap metal (including no more than 200 white goods) may be stored at the site at any time, and shall be removed at least ~~quarterly~~ annually (every 312 months) as described in the Operations Plan.

6) *Yard Trash.* Yard trash (including clean wood) shall be managed according to Rule 62-709.320, F.A.C., and as described in the Operations Plan. Yard trash shall be processed at least semi-annually (every 6 months) or a — A maximum of 3000 tons (or 12,000 cubic yards) of yard trash, which ever is greater. A maximum of 3,000 tons may be stored at the site at any time.

7) *Waste Tires.* Waste tires shall be managed according to the current Department-approved waste tire processing facility permit.

h. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the Operations Plan, and stored at the Household Hazardous Waste Collection Center (HHWCC).

1) HHW shall be identified, and then relocated for storage within the containment area of the HHWCC at the end of each collection day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) Non-latex paints shall not be air dried.

5) Waste received at the HHWCC shall be stored within containment areas at all times.



**SPECIFIC CONDITIONS:**

(Specific Condition #6.h., continued)

- 6) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility for Department review upon request.
  - 7) Miscellaneous household hazardous wastes (such as paint, fluorescent light bulbs, chemicals, etc.) shall be managed as described in the Operations Plan. A maximum of 100 gallons of paint, 400 light bulbs, 50 gallons of liquid chemicals, and 250 lbs. of dry chemicals may be stored at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.
  - 8) *Lead acid batteries.* The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 140 batteries may be stored at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.
  - 9) *Used oil.* Used oil storage is limited to a maximum of 700 gallons stored in the tanks at the HHWCC at any time, and removed at least **quarterly (every 3 months)**.
  - 10) *Electronics.* Electronics to be recycled shall be stored in an undamaged condition, and removed at least **semi-annually (every 6 months)**. Electronics that have been damaged (such as broken into pieces) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **quarterly (every 3 months)**.
- i. Site Inspections.
- 1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) **daily on operating days**. Erosion and settlement shall be repaired in accordance with Specific Conditions #23.e. and #23.f., below.
  - 2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #22.b., below.

**SPECIFIC CONDITIONS:**

(Specific Condition #6.i., continued)

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

4) Setback areas in the vicinity of all waste storage and disposal areas, the location of adjacent stormwater management system features (i.e. retention areas, ponds, swales), and all disposal area boundaries shall be clearly marked and the markers inspected **daily on operating days**. The permittee shall clearly stake/mark the location of the edge of the geomembrane liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility.

**7. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with Operations Drawings [ref.SC#2.d.], and as described in the Operations Plan, or as otherwise approved in writing by the Department.

b. Waste shall be setback a minimum of 5 feet from the inside top edge of the side portion of the bottom liner, and as shown on the Operations Drawings.

**8. Operating Personnel.**

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #8, continued)

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

**9. Operation Plan and Operating Record.**

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

b. Proposed changes to the current Department-approved Operations Plan shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #3. The Operations Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough (~~struckthrough~~) and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, shall be provided to the Southwest District Solid Waste Section, 3804 Coconut Palm Drive, Tampa, FL 33619.

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

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C., and as described in Specific Condition #10;
- 2) A log of the facility operator's daily inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed;

5) Operator and spotter training certificates and other documentation;

6) Log of odor complaints and corrective action; and

**SPECIFIC CONDITIONS:**

(Specific Condition #9.d., continued)

7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.

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e. Capacity Report. The owner or operator shall conduct a topographic survey of the Class I disposal area, and shall estimate the remaining disposal capacity and site life as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than September 1<sup>st</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The owner may establish survey markers on the landfill to control filling in lieu of conducting annual topographic surveys. The survey markers will be clearly indicate design grade elevations and remain in-place during operations of the landfill. If disturbed or destroyed the markers will be replaced and a registered professional land surveyor will replace and certify the replaced markers. ~~An full topographic survey of the landfill be conducted a minimum of one time during the life of permit.~~ The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (4H3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved Operations Drawings.

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f. Certifications of construction completion. Certifications shall be provided for all permanent construction (e.g., for construction of permanent drainage swales and letdown pipes, other significant repairs and improvements). Within **thirty (30) days** after the specified construction has been completed or as otherwise specified by the Department, the following activities shall be completed:

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

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

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

**SPECIFIC CONDITIONS:**

(Specific Condition #9.f., continued)

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

**10. Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**11. Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

**12. Monitoring of Waste.**

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

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #28.b., below.

**SPECIFIC CONDITIONS:**

(Specific Condition #12, continued)

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

13. **Waste Handling Requirements.** All solid waste disposed of in the Class I disposal area shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I disposal area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day.**

2) The following alternate daily cover materials are acceptable for use at this facility. Alternate daily cover materials not identified below are required to be approved by the Department prior to use at the facility.

a) **TARPS.** 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 **(within the bermed working area).**

b) **WASTE TIRES.** Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste

tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover **(within the bermed working area)**.

**SPECIFIC CONDITIONS:**

(Specific Condition #13.a(2), continued)

c) YARD TRASH (COMPOST OR MULCH). Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial cover. The processed yard trash will not contain particles greater than six inches. 90% of the compost shall pass through a 3/4" screen prior to mixing with soil. At least one sample of the compost (prior to mixing with soil) ~~shall be tested weekly to verify particle size distribution.~~

d) ~~YARD TRASH (COMPOST OR MULCH). A "mixture" of yard trash mulch and soil, such that (for the mixture) 100% shall pass a 2" screen, 85% shall pass a 3/4" screen, and 70% shall pass a 1/4" screen, and applied in a six (6) inch compacted layer, may be used as initial cover. At least one sample of the "mixture" shall be tested weekly to verify particle size distribution.~~

e) ~~YARD TRASH (COMPOST OR MULCH). Composted yard trash, screened through a 1/2" mesh, and then mixed in the ratio of 75% screened compost to 25% soil, and applied in a six (6) inch compacted layer, may be used as initial cover.~~

fd) CONTAMINATED SOIL. Contaminated soil applied in a six (6) inch compacted layer, may be used as initial cover **(within the bermed working area)** provided that representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C.. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

- 1) ~~1)~~ — An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.
- 2) YARD TRASH (COMPOST OR MULCH). Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as intermediate cover. 90% of the compost shall pass through a 3/4" screen prior to mixing with soil. At least one sample of the compost (prior to mixing with soil) shall be tested weekly (only if the yard trash is to be used that week) to verify particle size distribution. Tested can be a visual test, conducted by the owner, if the owner provides a mechanical method onsite for control particle sizes.
- YARD TRASH (COMPOST OR MULCH). A "mixture" of yard trash mulch and soil, such that (for the mixture) 100% shall pass a 2" screen, 85% shall pass a 3/4" screen, and 70% shall pass a 1/4" screen; and applied in a six (6) inch compacted layer, may be used as intermediate cover. At least one sample of the "mixture" shall be tested weekly (only if the yard trash is to be used that week) to verify particle size distribution. Tested can be a visual test, conducted by the owner, if the owner provides a mechanical method onsite for control particle sizes.
- YARD TRASH (COMPOST OR MULCH). Composted yard trash, screened through a 1/2" mesh, and then mixed in the ratio of 75% screened compost to 25% soil, and applied in a six (6) inch compacted layer, may be used as intermediate cover.

23) The alternate initial cover materials previously described in Specific Conditions #13.ab(2)(e), #13.a(2)(d), and #13.a(2)(e) are also approved for intermediate cover when applied as a one (1) foot of compacted layer in addition to the six (6) inch initial cover.

**SPECIFIC CONDITIONS:**

(Specific Condition #13.b., continued)

43) Upon reaching the designed elevations and slope on the external sideslopes, the owner will provide a soil mixture capable of establishing vegetative growth on the sideslopes. Vegetative growth on the sideslopes will be established with 30 days of reaching the designed elevations and slopes on



the external sideslopes and be sufficient to minimize erosion. If erosion should occur, then erosion and settlement shall be repaired in accordance with Specific Conditions #23.e. and #23.f., below. Sed shall be applied within 30 days to all intermediately covered (external) sideslope areas that have reached designed dimensions.

- c. Cover materials which have been previously used for intermediate or initial cover, and which contain solid waste (such as waste tire pieces, shredded shingles, C&D debris, ash, contaminated soil, etc.), shall not be re-used on areas which discharge to the stormwater management system or as berms around the perimeter of the active working face area. These materials may be re-used as initial cover (subject to Department approval) provided the runoff from these areas is managed as leachate.
- d. The top of each lift of waste shall be maintained with a minimum 2% slope as described in the Operations Plan.
14. **Working Face.**
- a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.
- b. **Interceptor/containment berms shall be maintained around the working area to prevent leachate runoff from the working face from entering the stormwater management system.** Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste, and have been adequately covered with at least 6 inches of compacted soil or other Department-approved intermediate cover material that is free of waste and is stabilized to control erosion.
- c. Waste shall be spread and compacted in accordance with the Operations Plan. Slopes shall be maintained in accordance with the Operations Drawings. The working face slope shall be no greater (steeper) than 3H:1V.
15. **Leachate Management.**
- a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the Operations Plan, and other applicable Department rules.
- b. Leachate which has accumulated on the surface in low areas shall be collected and removed from the disposal area within 72 hours for appropriate treatment or disposal.

**SPECIFIC CONDITIONS:**

(Specific Condition #15, continued)

c. Leachate Disposal.

1) Leachate shall be hauled offsite for disposal at an appropriately permitted wastewater treatment facility (WWTP). No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

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

d. Leachate Collection and Removal System (LCRS) Inspections/Maintenance.

1) The leachate collection and removal system and gravity pipelines, shall be visually or video inspected or water pressure cleaned at cleanouts and access pipes to verify adequate performance at least once during this permit period. Force mains shall be video inspected or water pressure cleaned when the pump station performance indicates that the force mains may be obstructed. An inspection report shall be provided and shall include an evaluation of the effectiveness of the system, the locations of cleaning and video inspections (indicated on a Site Plan drawn to scale) with the locations and the cause of all obstructions encountered, proposed corrective actions, and schedule for implementation of corrective actions as appropriate. If the pipes are water-jet cleaned, the report shall include a description of the method of cleaning. Components not performing adequately shall be cleaned and/or repaired. **No later than one hundred and eighty (180) days prior to permit expiration**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) when required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be signed and sealed by a professional engineer, and shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The permittee shall retain a copy of the final report, each inspection report, and each inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.

**SPECIFIC CONDITIONS:**

(Specific Condition #15.d., continued)

2) Each pump and pump station and related sensors and controller mechanisms shall be inspected on a semi-annual basis. Pump performance shall be verified semi-annually by performing a flow test on each pump. and current draw recorded. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance. Documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.

3) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the Operations Plan.

4) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to the any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.

e. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected within 24 hours of detection, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #23.b., below.

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

f. Leachate Storage Tanks. The leachate storage tanks shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. The tanks, containment area, and truck loadout area, and other leachate storage system appurtenances shall be inspected **at least weekly** for leakage or other damage. The interior of the tanks shall be inspected at least every three years, and the inspection report shall be provided to the Department.

**SPECIFIC CONDITIONS:**

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

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

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

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

**17. Gas Monitoring and Control.**

a. Landfills that receive biodegradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C., and as described in Section L.9. of the Operations Plan.

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

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

Measured During  
Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

Report Submitted By  
April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year

**SPECIFIC CONDITIONS:**

(Specific Condition #17., continued)

d. The ambient monitoring points and the soil monitoring probes listed below and shown on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached), shall be sampled at least **quarterly** for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C., as follow:

<u>Ambient Monitoring Points</u>	<u>Description</u>
Maintenance Building	Foundation penetrations; enclosed spaces; electrical control boxes, outlets and openings to conduits; and, ambient air within the
structure	
MRF building	↓
Scale house/office building	↓
Animal control building	↓
<u>Soil Monitoring Probes</u>	<u>Description</u>
GP-1	Northeast corner of landfill footprint
GP-2	North side of landfill footprint
GP-3	Northwest corner of landfill footprint
GP-4	West side of landfill footprint
GP-5	West side of landfill footprint
GP-6	West side of landfill footprint
GP-7	South side of landfill footprint
GP-8	South side of landfill footprint
GP-9	East side of landfill footprint
GP-10	East side of landfill footprint
GP-11	East side of landfill footprint

Gas monitoring probes GP-1 through GP-11 are to be clearly labeled and easily visible at all times.

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

**SPECIFIC CONDITIONS:**

**18. Stormwater Management.**

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

b. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate. All stormwater conveyances shall be inspected **at least weekly** to verify adequate performance and shall be repaired in accordance with the Operations Plan and the conditions of this permit. Conveyances not performing adequately due to erosion or related sedimentation shall be repaired **within seven (7) days**. Documentation of all inspections and repairs shall be kept on file at the facility.

c. All temporary drainage berms, letdown pipes, and conveyances (terrace swales and benches) shall be installed at the earliest possible time, as noted and shown on the Operations Drawings, and as described in Section L.10 of the Operations Plan.

**19. Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

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

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

a. All costs for closure shall be adjusted and submitted **annually, by September 1<sup>st</sup> 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 mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

**SPECIFIC CONDITIONS:**

**22. Control of Nuisance Conditions.**

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

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

**23. Facility Maintenance and Repair.**

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

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

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specified Condition #23.b., above, unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #30, or as otherwise approved by the Department.

**SPECIFIC CONDITIONS:**

(Specific Condition #23., continued)

d. In the event that the 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 #23.b., above, unless otherwise approved by the Department.

e. Erosion. Intermediately covered disposal areas, or other disposal areas which discharge to the stormwater management system, which exhibit significant erosion, shall be repaired according to the following schedule:

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

f. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days.**

**24. Water Quality Monitoring Quality Assurance.**

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

b. The field testing, sample collection, sample preservation and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department, or as published in Standard Methods or by A.S.T.M., or EPA methods shall be used.



**SPECIFIC CONDITIONS:**

**25. Zone of Discharge.**

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

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

**26. Leachate Sampling.** Grab samples of leachate shall be collected at Manhole 9 (WACS Testsite ID No. 21061) of the leachate collection system. This leachate sampling location is identified as M-9 on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached). Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C., as follow:

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

Field Parameters

Specific conductivity

pH

Dissolved oxygen

Colors & sheens

(by observation)

Laboratory Parameters

Total ammonia - N

Bicarbonate

Chlorides

Iron

Mercury

Sodium

Nitrate

Total dissolved solids (TDS)

Those parameters listed in

40 CFR Part 258, Appendix A & II

b. If the annual leachate analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. 26.a., and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS:**

**27. Surface Water Sampling.**

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

b. Surface water samples shall be collected at SW-2 (WACS Testsite ID No. 21062) as identified on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached). In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring station shall be marked and its positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

c. **Semi-annual** surface water sampling shall be conducted at SW-2 in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

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

d. Hardee County shall collect samples at SW-2 during the semi-annual periods (January 1 to June 30, and July 1 to December 31 of each year) unless no surface water is present for the entire semi-annual period. In the event that no surface water, flowing offsite, is present for an entire semi-annual period, the report submitted for that period shall include a copy of the daily log (excluding Sundays) maintained by Hardee County of observations at SW-2 to document the absence of surface water at the sampling location.

see revisions

**SPECIFIC CONDITIONS:**

28. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Water Quality and Leachate Monitoring Plan, Hardee County Landfill, prepared by SCS Engineers, received May 19, 2003, revisions received September 30, 2003 and January 29, 2004. The existing and proposed monitor well and piezometer locations for the facility are identified on Figure K-1 (received January 29, 2004), prepared by SCS Engineers (attached), as follows:

Well No.	WACS Testsite		Designation	Location
	ID Number	Aquifer		
MW-1	296	Surficial	Background	See Figure K-1
MW-2	297	Surficial	Detection	↓
MW-4	299	Surficial	Background	↓
MW-5	300	Surficial	Detection	↓
MW-8	19255	Surficial	Detection	↓
MW-9	19256	Surficial	Detection	↓
MW-10 *	21063	Surficial	Detection	↓
MW-3	N/A	Surficial	Piezometer (GW)	↓
MW-6	N/A	Surficial	Piezometer (GW)	↓
MW-7	N/A	Surficial	Piezometer (GW)	↓
P-1	N/A	N/A	Piezometer (leachate)	↓
P-2	N/A	N/A	Piezometer (leachate)	↓
P-3	N/A	Surficial	Piezometer (GW)	↓
P-4	N/A	Surficial	Piezometer (GW)	↓
P-5	N/A	Surficial	Piezometer (GW)	↓
P-7	N/A	Surficial	Piezometer (GW)	↓
P-8	N/A	Surficial	Piezometer (GW)	↓
P-9	N/A	N/A	Piezometer (leachate)	↓
P-10	N/A	N/A	Piezometer (leachate)	↓
P-11	N/A	Surficial	Piezometer (GW)	↓
P-12	N/A	Surficial	Piezometer (GW)	↓
P-13	N/A	Surficial	Piezometer (GW)	↓
P-14	N/A	Surficial	Piezometer (GW)	↓
P-15	N/A	N/A	Piezometer (leachate)	↓
P-16	N/A	N/A	Piezometer (leachate)	↓

\* = to be installed **within 90 days of permit issuance** in accordance with the construction details provided in Table 6-1 of the submittal entitled Biennial Groundwater Monitoring Plan Evaluation, Hardee County Landfill, prepared by SCS Engineers, received May 19, 2003, revisions received September 30, 2003; documentation of well construction details as indicated in Specific Condition Nos. 30.c. and 30.d. shall be submitted **within 30 days of well installation**.

Piezometer (GW ) = ground water elevation measuring location

Piezometer (leachate) = leachate elevation measuring location

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

**SPECIFIC CONDITIONS:**

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

a. Ground water levels shall be measured at all wells and piezometers listed in Specific Condition No. 28 during all sampling events described in Specific Condition Nos. 29.c., to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include water elevations (feet NGVD) calculated for each well and piezometer.

b. An **initial sampling event** shall be conducted at proposed detection well MW-10 **within 7 days of well installation and development** for analysis of the following parameters:

Field Parameters

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

II

Laboratory Parameters

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

APP II  
X

c. The background wells (MW-1 and MW-4) and detection wells (MW-2, MW-5, MW-8, MW-9 and MW-10) shall be sampled **semi-annually** for analysis of the following parameters:

Field Parameters

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

Laboratory Parameters

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

**SPECIFIC CONDITIONS:**

30. **Ground Water Monitor Well Construction.** The following information shall be submitted for all new or replacement monitor wells (and included piezometers), or as stated below:

- a. **Prior to construction of all new or replacement monitor wells,** the permittee shall request and receive Department approval of a minor permit modification.
- b. **Within one week of monitor well completion and development,** each new monitor well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.
- c. **Within 90 days of monitor well installation,** construction details (record drawings) for all new or replacement monitor wells shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (attached).
- d. **Within 90 days of monitor well installation,** a surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitor wells (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, and the locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

31. **Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition No. 28 are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**SPECIFIC CONDITIONS:**

32. **Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

33. **Water Quality, Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (attached). The permittee shall submit the results of the leachate influent (required by Specific Conditions # 31.a.), by **January 15<sup>th</sup> of each year.** The permittee shall submit the results of surface water (required by Specific Condition #34.c.) and ground water quality (required by Specific Condition #36.c.) analysis by **January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

34. **Water Quality Monitoring Plan Evaluation.** By June 15, 2006 or two years from the effective date of permit renewal 1, 2004 and no later than December 1, 2006, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring</u>	<u>Starting</u>	<u>Ending</u>
<u>Data Evaluation Due Date</u>	<u>Sampling Event</u>	<u>Sampling Event</u>
<del>June 1, 2004</del>	Initial sampling event	Second Half 2003
<del>July 15, 2004</del>	<del>December 1, 2006</del>	First Half 2004
2006		First Half

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section,

PERMITTEE: Hardee County Solid Waste Dept.  
Ms. Janice Williamson, Director

PERMIT NO: 38414-007-SO  
Hardee County Regional Landfill

Department of Environmental Protection, Southwest District  
Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

**SPECIFIC CONDITIONS:**

35. **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.

36. **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.

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

38. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

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Deborah A. Getzoff  
District Director  
Southwest District

**ATTACHMENT 1**

Specific Condition	Submittal Due Date	Required Item
4, 15.d.	180 days prior to permit expiration	Submit permit renewal application, Submit final report for LCS assessment
5.b., 6.e., 23.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: sinkholes, hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
9.e.	Annually, by September 1 <sup>st</sup> each year	Submit topographic survey & capacity calculations, and certification
15.c.	30 days prior to expiration	Submit copies of leachate disposal agreements
34	By June 1, 2004 and December 1, 2006	Submit water quality monitoring evaluation report
15.e.  17.c.	Quarterly, by January 15 <sup>th</sup> , April 15 <sup>th</sup> , July 15 <sup>th</sup> and October 15 <sup>th</sup>	Submit leachate generation reports  Submit gas monitoring results
19.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application
21.a.  21.b.	Annually, by September 1 <sup>st</sup> each year  Annually	Submit revised cost estimates  Submit proof of funding
23.c.	Within 60 days of notification	Complete repairs to groundwater monitoring system
23.d.	Within 30 days of notification	Implement corrective action for leachate management system damage
27.c.	Semi-annually	Sample/analyze surface water
28	Within 90 days of permit issuance	Install groundwater monitoring well MW-10



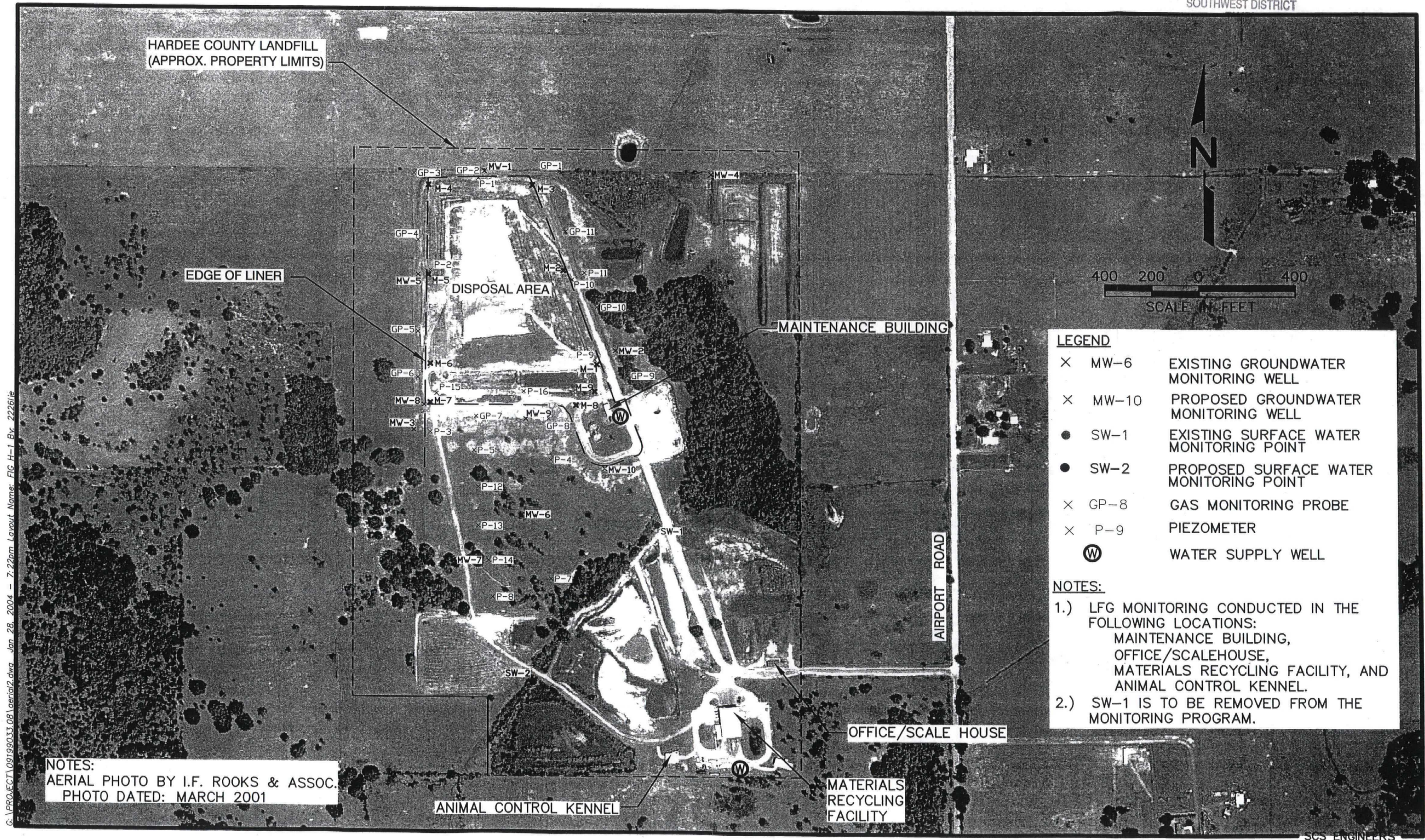
ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
26	Annually	Leachate sampling results
29.c.	Semi-annually	Sample groundwater monitoring wells
29.b.	Within 1 week of well completion and development	Conduct initial sampling
30.c. 30.d.	Within 90 days of installation	Submit well construction information, and survey drawing
31.	Within 30 days of well abandonment	Submit abandonment report
33.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit groundwater and surface water monitoring reports
34.	Submit two years after issue of permit (July 15, 2006)	Water Quality Monitoring Evaluation



JAN 29 2004

SOUTHWEST DISTRICT



**LEGEND**

- × MW-6 EXISTING GROUNDWATER MONITORING WELL
- × MW-10 PROPOSED GROUNDWATER MONITORING WELL
- SW-1 EXISTING SURFACE WATER MONITORING POINT
- SW-2 PROPOSED SURFACE WATER MONITORING POINT
- × GP-8 GAS MONITORING PROBE
- × P-9 PIEZOMETER
- ⊙ WATER SUPPLY WELL

**NOTES:**

- 1.) LFG MONITORING CONDUCTED IN THE FOLLOWING LOCATIONS:  
MAINTENANCE BUILDING,  
OFFICE/SCALEHOUSE,  
MATERIALS RECYCLING FACILITY, AND  
ANIMAL CONTROL KENNEL.
- 2.) SW-1 IS TO BE REMOVED FROM THE MONITORING PROGRAM.

NOTES:  
AERIAL PHOTO BY I.F. ROOKS & ASSOC.  
PHOTO DATED: MARCH 2001

Figure K-1. Monitoring Locations, Hardee County Landfill, Hardee County, Florida





**HARDEE COUNTY LF (38414)**

27 34 18.87

81 46 58.3

**PROVIDED COORDINATES**

27 34 17

81 46 58

**HARDEE CO WTPF COMET**

27 34 12.53

81 46 50

**WTPF PROVIDED COORDINATES**

27 34 12

81 46 50

**HARDEE CNTY-TANKS (103799)**

**HARDEE CO C&D LF (129314)**

27 34 2.57

81 46 59

**C&D PROVIDED**

27 34 03

81 47 00

**HARDEE CO. MRF COMET**

27 33 59.43

81 46 46.62

**MRF PROVIDED**

27 33 59

81 46 47

500 0 500 Feet

HARDEE

HARDEE  
CO. LF SITE  
KRF  
4/19/02

WTF  
USE  
CENTER  
OF  
WTF

LAT  $27^{\circ}34'12''$   
LONG  $81^{\circ}46'50''$

LF  
USE  
CENTER  
OF  
LF

LAT  $27^{\circ}34'17''$   
LONG  $81^{\circ}46'58''$

MRF  
USE  
CENTER  
OF  
MRF

LAT  $27^{\circ}33'59''$   
LONG  $81^{\circ}46'47''$

CAD  
USE  
CENTER  
OF  
CAD

LAT  $27^{\circ}34'03''$   
LONG  $81^{\circ}47'00''$

Permitting Application - Permit Detail and Log Permit

### SITE Permit

Site Name: HARDEE COUNTY REGIONAL LANDFILL (LF1) Site # 0030414  
 County: HARDEE Comments ☒ RPA's ☐ # Cases 0

### Project

Permit # 0030414 007 SO Project # 007 Received 05/19/2003 GRA # 149390  
 Permit Office SWD (DISTRICT) Agency Action Issued  
 Project Name HARDEE COUNTY LF Desc ops renewal  
 Type/Sub/Des SO / 01 SANI LANDFILL CLASS I COE #  
 Logged 05/20/2003 Issued 07/15/2004 Expires 07/15/2009 OGC  
 Fee 100.00 Fee Recd 100.00 Dele Override SMALL CO. WAIV

### Related Party

Role APPLICANT Begin 05/20/2003 End  
 Name WILLIAMSON, JANICE Company HARDEE COUNTY SOLID WASTE DEPT  
 Address 675 AIRPORT ROAD  
 City WAUCHULA State FL Zip 33873 Country U.S.A.  
 Phone 941-773-5089 Fax 941-773-3907 Email

### Processors

Processor PELZ\_5 ☒ Active 04/20/2004 Inactive Events

Permitting Application - Events

### Events Scheduled

2 of 144

Site # 0030414 Site Name HARDEE COUNTY REGIONAL LANDFILL (LF1)  
 Permit # 0030414-007-SO Type/Subtype SO / 01 Received 05/19/2003  
 Project # 007 Project Name HARDEE COUNTY LF

> ISSUE PERMIT: Issued

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	05/19/2003	1	05/20/2003		Done	05/19/2003
Fee Verification	05/19/2003	2	05/21/2003		Sufficient Fee	05/20/2003
Completeness Review	05/19/2003	30	06/18/2003		Incomplete	06/18/2003
RESET CLOCK	06/18/2003	1	06/19/2003		Done	06/18/2003
Awaiting Additional Information	06/18/2003	45	08/02/2003		Received	02/23/2004
Completeness Review	02/23/2004	30	03/24/2004		Complete	02/23/2004
Determine Agency Action	02/23/2004	144	07/16/2004		Issue	07/15/2004
Issue Final Permit	07/15/2004	14	07/29/2004		Issued	07/15/2004
<b>ISSUE PERMIT</b>	07/15/2004	1	07/16/2004		Issued	07/15/2004
STOP CLOCK	07/15/2004	1	07/16/2004		Done	07/15/2004



Permitting Application - Events

Events Scheduled 3 of 144

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

Permit # Type/Subtype S0 / 01 Received 05/19/2003

Project # 007 Project Name HARDEE COUNTY LF

> Receive Request: Done

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	05/19/2003	1	05/20/2003		Done	05/19/2003
Fee Verification	05/19/2003	2	05/21/2003		Sufficient Fee	05/20/2003
Completeness Review	05/19/2003	30	06/18/2003		Incomplete	06/18/2003
RESET CLOCK	06/18/2003	1	06/19/2003		Done	06/18/2003
Awaiting Additional Information	06/18/2003	45	08/02/2003		Received	02/23/2004
Completeness Review	02/23/2004	30	03/24/2004		Complete	02/23/2004
Determine Agency Action	02/23/2004	144	07/16/2004	2	Pending	

ext. to respond 7/18/03 → response by 9/30/03

meeting

"Partial" submittal 9/2/03

7

+ 31

30

21

89

mtg ~~phase call w/scs~~ 9/30/03

partial submittal 10/17/03

revised financial submittal 12/30/03

partial submittal 1/14/04

completeness letter 1/29/04

revised plans rec'd 2/11/04

warner signed 2/23/04 ⇒ appl. complete

until 7/16/04 5/21/04

Oracle Developer Forms Runtime - Web

Query Coll Bpts Find Exit CRA Window

Cash Receiving Application - Collection Point Log Remittance

### Collection Point Log Remittance

AREA **SWD** Tot **CRAF006A \$100.00**

Remittance **517727** Type **CP** Recvd Date **05/19/2003** Status **RECEIVED**

SYSSRCPT **419762** PNR  Check # **5631** Amount **100.00**

SSN/FEB#  Name **SCS ENGINEERS**

First  Middle  Title  Suf

Address1 **3012 US HIGHWAY 301 NORTH** Short Comments

Address2 **SUITE 700** S-SW **38414-007**

City **TAMPA** ST **FL** Zip **33619** Country

### PAYMENT(S)

Payment#	Distr CL	Object Code/Description	Payment Amount	Reference#	Applic/ Fund *	status
561162	SWD	002245 SOLID WASTE-OPE	\$100.00		PA PFTF	COMPLETE

COMMIT FREQUENTLY **\$100.00** Payment total

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

start

Oracle Developer Forms Runtime - Web

Permits Events Payment Site Facility Party Lot Help Exit Window

Permitting Application - Permit Detail and Log Permit

### SITE Permit

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

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

### Project

Permit #  Project # **007** Received **05/19/2003** CRA # **149390**

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

Project Name **HARDEE COUNTY LF** Desc **ops renewal**

Type/Sub/Des **SO / 01** SAHL LANDFILL CLASS 1 COE #

Logged **05/20/2003** Issued  Expires  OGC

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

### Related Party

Role **APPLICANT** Begin **05/20/2003** End

Name **WILLIAMSON, JANICE** Company **HARDEE COUNTY SOLID WASTE DEPT.**

Address **675 AIRPORT ROAD**

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

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

### Processors

Processor **FORD\_K** Y Active **05/20/2003** Inactive  Events

Nothing to commit

start