



**Board of County Commissioners**  
**DEPARTMENT OF PUBLIC WORKS**  
**SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460  
Telephone: (352) 527-7670 FAX: (352) 527-7672  
email: landfillinfo@bocc.citrus.fl.us  
TDD Telephone: (352) 527-5303  
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

Citrus Co LF permit file  
JW/31

June 28, 2006

Mr. David Zell  
Division of Air Resource Management  
Florida Department of Environmental Protection  
13051 Telecom Parkway  
Temple Terrace, FL 33637-0926

**Dept. of Environmental  
Protection**

**OCT 27 2006**

Re: Citrus County Central Landfill  
Pending Air Permit 017366-001

**Southwest District**

Dear Mr. Zell:

The attachment to this letter is the proof of publication for the Notice of Intent to Issue the referenced Title V Air Operation Permit for our facility.

Please contact me if you have questions or require additional information.

Yours truly,

*Susan J. Metcalfe*

Susan Metcalfe, P.G.  
Director

Attachment

SM

CC: Glenn W. McCracken, Director, Public Works Department  
John Banks, SCS Engineers, Tampa  
Susan Pelz, Solid Waste Section, FDEP Tampa ✓

581-1017 TVCRV

## **PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT**

Florida Department of Environmental Protection  
Southwest District

DRAFT Permit Project No.: 017366-001 - AV  
Citrus County Central Landfill  
Lecanto, Citrus County

The Florida Department of Environmental Protection Southwest District (permitting authority) gives notice of its intent to issue an Title V Air Operating Permit to the Citrus County Board of County Commissioners for the Citrus County Central Landfill located at 230 West Gulf to lake Highway in Lecanto, Citrus County. The applicant's name and address are: Citrus County Board of County Commissioners, P.O. Box 340, Lecanto, FL 34660-0340, Attn. Ms. Susan Metcalfe, Director, Citrus County Solid Waste Division.

The permitting authority will issue the PROPOSED Permit, and subsequent FINAL Permit, in accordance with the conditions of the DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Permitting Authority will accept written comments concerning the DRAFT Permit for a period of thirty (30) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT." Written comments must be post-marked and all facsimile comments must be received by the close of business (5:00 pm), on or before the end of this 30-day period, by the Permitting Authority at Florida Department of Environmental Protection, Southwest District, 13051 N. Telecom Parkway, Temple Terrace, FL 33637-0926. As part of his or her comments, any person may also request that the permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly (<http://faw.dos.state.fl.us/>) and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT Permit, the Permitting Authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Section 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, Telephone: 850/488-9730, Fax: 850/487-4938. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

(F.A.C.).

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

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address and telephone number of the petitioner; name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how petitioner's substantial rights will be affected by the agency determination;
- (c) A statement of how and when the petitioner received notice of the agency action or proposed action;
- (d) A state of all disputed issues of material fact. If there are none, the petition must so state;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle petitioner to relief;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

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

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

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any Title V permit. Any petition shall be based only on objections to the Title V permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any Title V permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C.

Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d (b) (2) and must be filed with the administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

**Permitting Authority:**

Florida Department of Environmental Protection  
Southwest District  
13051 N. Telecom Parkway,  
Temple Terrace, FL 33637-0926  
Telephone: 813/632-7600 Fax: 813/632-7668

The complete project file includes the DRAFT Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Cindy Zhang-Torres, at the above address or call David Zell at (813) 632-7600 extension 118, for additional information.

# Proof of Publication

from the

## CITRUS COUNTY CHRONICLE

Crystal River, Citrus County, Florida

**PUBLISHED DAILY**

STATE OF FLORIDA

COUNTY OF CITRUS

Before the undersigned authority personally appeared  
Amanda O'Kelley

Of the Citrus County Chronicle, a newspaper published daily at Crystal River, in Citrus County, Florida, that the attached copy of advertisement being a public notice in the matter of the

**581-1017 TUCRN**

**PUBLIC NOTICE OF INTENT**

**TO ISSUE TITLE V**

**AIR OPERATION PERMIT**

**Display Advertisement, A/R #071-223506**

**3 column x 18.0" ad, 1x run**

**OCTOBER 17, 2006**

was published in said newspaper in the issue of  
**October 17, 2006.**

Affiant further says that the Citrus County Chronicle is a Newspaper published at Crystal River in said Citrus County, Florida, and that the said newspaper has heretofore been continuously published in Citrus County, Florida, each week and has been entered as second class mail matter at the post office in Inverness in said Citrus County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

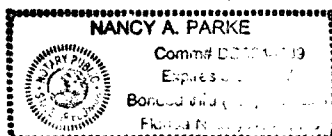
The foregoing instrument was acknowledged before me

This 17th day of October, 2006.

By: Amanda O'Kelley

who is personally known to me and who did take an oath.

Nancy A. Parke  
Notary Public



21375

**Pelz, Susan**

Citrus Co LF  
permit file

**From:** Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]  
**Sent:** Wednesday, September 27, 2006 10:53 AM  
**To:** Pelz, Susan  
**Cc:** Cathy Winter; Gary Loggins; Glenn McCracken; Robert Merkel  
**Subject:** Leachate treatment plant performance

Susan,

This is to report an upset in the performance of the leachate treatment plant. Late last week, while doing routine maintenance, an employee turned off the methanol pump and failed to turn it back on. As a result, the denitrification process did not work properly and the nitrate concentration rose above the permit limits. Process control testing discovered the problem and the batches that do not comply were not discharged, but were recirculated to the storage tank. Performance is improving so that we expect to be able to resume discharging effluent tomorrow.

Please let me know if you need additional information.

Susie

Susan Metcalfe, Director  
Citrus County Solid Waste Management Division  
P.O. Box 340  
Lecanto, FL 34460

352-527-7670 phone  
352-527-7672 fax

**Pelz, Susan**

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**From:** Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]  
**Sent:** Wednesday, September 13, 2006 3:00 PM  
**To:** Morris, John R.; Pelz, Susan  
**Cc:** Cathy Winter; Gary Loggins; Glenn McCracken  
**Subject:** Leachate treatment plant

Susan,

This is to report that the controls for the leachate treatment plant batch sequence and timing failed to perform as expected on several occasions since September 1. This resulted in some batches being outside the permit limits for some parameters. Those batches were recirculated to the storage tank for re-treatment. This is more conservative than the permit requirements of Specific Condition E.9.b. of our operating permit (21375-008/SO-01)

As a result of the known violations, based on internal process control testing, we elected not to perform the weekly sampling and analysis by an outside laboratory today.

The company that set up this new control system has modified the programmable logic controller settings and we expect to have the board available tomorrow to install.

Please let me know if you need additional information or have questions.

Susie

Susan Metcalfe, Director  
Citrus County Solid Waste Management Division  
P.O. Box 340  
Lecanto, FL 34460

352-527-7670 phone  
352-527-7672 fax

Citrus Central  
permit file

**Pelz, Susan**

**From:** Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]  
**Sent:** Tuesday, September 05, 2006 1:37 PM  
**To:** Pelz, Susan  
**Cc:** Morris, John R.; Watson, Stephanie M.; Morgan, Steve  
**Subject:** Re: Leachate line break



Leachate Pipe Leachate pipe Leachate Pipe Leachate Pipe  
pair 9-01-2006atch 9.1.2006 0pair 9-01-2006pair 9-01-2006

Susan,

Attached photos show the repair that was completed on Friday September 1. Photo 1 shows the general location near the scalehouse inbound lane. Photo 2 shows the temporary patch installed by Utilities staff soon after the line was cut. Photo 3 shows the overall view of the area after the repair was completed and Photo 4 shows a detail of the repair.

Susie

>>> "Pelz, Susan" <Susan.Pelz@dep.state.fl.us> 9/1/2006 8:15 AM >>>  
Susie,

Please send us photos before the repair & after repair.

Thx

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

Susan Pelz, PE  
Solid Waste Program Manager  
813-632-7600 x386

-----  
Sent from my BlackBerry Wireless Device

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

From: Susan Metcalfe <Susan.Metcalfe@bocc.citrus.fl.us>  
To: Pelz, Susan <Susan.Pelz@dep.state.fl.us>  
CC: Glenn McCracken <Glenn.McCracken@bocc.citrus.fl.us>  
Sent: Fri Sep 01 07:06:24 2006  
Subject: Leachate line break

Susan,

This is to report that the 2-inch leachate line from the 7-acre lift stations to the master lift station was damaged by trenching equipment yesterday afternoon. A temporary clamp was installed before the end of the day and we expect that the HDPE can be repaired with a welded replacement section either late today or early next week. Please let me know if you need additional information.

Susie

Susan Metcalfe, Director  
Citrus County Solid Waste Management Division  
P.O. Box 340  
Lecanto, FL 34460

352-527-7670 phone  
352-527-7672 fax







Citrus Central  
permit

**Pelz, Susan**

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**From:** Pelz, Susan  
**Sent:** Friday, July 07, 2006 11:03 AM  
**To:** Morgan, Steve  
**Subject:** FW: Permit received

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

**From:** Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]  
**Sent:** Friday, July 07, 2006 10:32 AM  
**To:** Pelz, Susan  
**Subject:** Permit received

Susan,  
We got the permit on July 5. Long time in the mail Susie

**Tracking:**

**Recipient**  
Morgan, Steve

**Read**  
Read: 7/7/2006 11:14 AM

*Citrus Central  
permit***Pelz, Susan**

**From:** Pelz, Susan  
**Sent:** Thursday, July 06, 2006 12:17 PM  
**To:** Evans, Roger; Morgan, Steve; Morris, John R.; Watson, Stephanie M.  
**Subject:** FW: Air Program Review of Citrus County Central Landfill NSPS Tier 2 Sampling and NMOC Emissions Estimate Report

Tracking: Recipient	Read
Evans, Roger	Read: 7/6/2006 3:34 PM
Morgan, Steve	Read: 7/6/2006 2:26 PM
Morris, John R.	Read: 7/6/2006 12:24 PM
Watson, Stephanie M.	Read: 7/6/2006 1:26 PM

fyi

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

**From:** Zell, David  
**Sent:** Thursday, July 06, 2006 12:15 PM  
**To:** Pelz, Susan  
**Cc:** Nasca, Mara; Galbraith, Bret  
**Subject:** Air Program Review of Citrus County Central Landfill NSPS Tier 2 Sampling and NMOC Emissions Estimate Report

FYI,

On June 29, 2006 we received the above Tier 2 NMOC emission report (which you were also shown as receiving a copy of). The results of this report shows that the estimated NMOC emission from this landfill are currently well below the NSPS Subpart WWW 50 Mg/yr trigger level for requiring that a collection and control system be designed, installed and operated. Since the report also shows that the estimated NMOC emissions will still be below the trigger level for the next 5 years, in accordance with the provisions of Subpart WWW they will not be required to submit another Tier 2 NMOC emissions report until 2011, unless there is a change in permitted landfill capacity or the future disposal rates exceed the projections used in the NMOC estimate modeling.

Since the permitted capacity of the landfill is above the NSPS applicability level (2.5 MM Mg and 2.5 MM cubic meters), they are still required to get a Title V Major Source air operation permit. The application for this Title V operation permit is in-house and is now being processed (it had been held incomplete pending receipt of this Tier 2 NMOC emissions report). The Title V permit will not require any collection or control measures for LFG.

Please let me know if you have any questions.

**David Zell**  
**FDEP SWD District (Tampa)**  
**Air Permit Engineer**

10/9/2006



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

CERTIFIED MAIL 7004 0750 0003 0516 2444  
RETURN RECEIPT REQUESTED

## NOTICE OF PERMIT

Ms. Susan Metcalfe, P.G., Director  
Citrus County Solid Waste Division  
P.O. Box 340  
Lecanto, Fl. 34460-0340

June 23, 2006

RE: Citrus County Central Class I Landfill  
Modification # 21375-009-SO/IM to existing Operation  
Permit # 21375-008-SO/01  
Pasco County

Dear Ms. Metcalfe:

Attached is modified **Operation Permit 21375-008-SO/01**, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 21375-009-SO/IM:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Page 1 of 40	Existing	Amended	Permit modification 221375-009-SO/IM referenced.
Page 1 of 40	Existing	Amended	Revised General Information Table to modify final to elevation to +215 feet NGVD
A.2.a.	Existing	Amended	Operation Plan. Closure Plan , and Permit Drawing modifications referenced.
A.2.e.	-	New	Additional permitting documents referenced.
C.1.a.	Existing	Amended	Reference to Permit Drawings revised.
C.11.b.(1)	Existing	Amended	Modified to approve the use of 50/50 mixture of soil/mulch for intermediate cover
C.13.a.	Existing	Amended	Reference to Permit Drawings revised.
D.1. D.4.a. E.10. E.11.a. & b.	Existing	Amended	Revised to reference Southwest District Office current address.

"More Protection, Less Process"

Printed on recycled paper.



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

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

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

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer

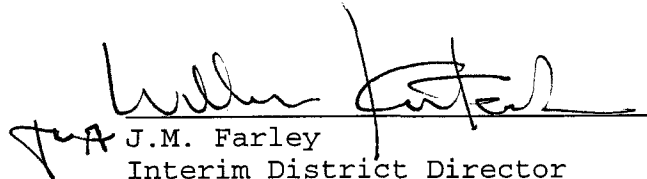
upon motion filed pursuant to Rule 28-5.207, F.A.C. Mediation is not available in this proceeding.

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

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

  
J.M. Farley  
Interim District Director  
Southwest District

Attachment

Copies furnished to:

Citrus County Officials/Notification List  
John Banks, P.E., SCS Engineers, 3012 U.S. Highway 301 North, Suite 700, Tampa,  
Florida 33619-2242 w/attachments  
Patty Jefferson, Citrus County, 285 S. Kensington Avenue, Lecanto, Florida 34461  
w/attachments  
Fred Wick, FDEP, Tallahassee  
Richard Tedder, P.E., FDEP Tallahassee  
Patricia Comer, OGC Tallahassee  
John Morris, P.G., FDEP Tampa  
Susan Pelz, P.E., FDEP Tampa  
(Permit Notebook) FDEP Tampa

PERMITTEE: Citrus County Board of  
County Commissioners

PERMIT MOD NO: 21375-009-SO/01  
Citrus County Central Class I Landfill

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 June 23, 2006 to the listed persons.  
(date stamp)

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

Annaklan  
Clerk

6/23/2006  
Date





# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

## PERMITTEE

Citrus County Board of County  
Commissioners  
Ms. Susan Metcalfe, P.G., Director,  
Div. of Solid Waste Mgmt.  
P.O. Box 340  
Lecanto, Fl. 34460

## PERMIT/CERTIFICATION

WACS ID No: SWD/53/49723  
Permit No: 21375-008-SO/01  
Date of Issue: 09/30/2005  
Expiration Date: 09/30/2010  
County: Citrus  
Lat/Long: 28°51'07"  
82°26'12"  
Sec/Town/Rge: 1/19S/18E  
Project: Citrus County Central  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-302, 62-330, 62-520, 62-522, 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** a Class I landfill with leachate storage and treatment, and related facilities (approx. 80.0 acres), and to provide long-term care, monitoring, and maintenance of a the closed Class I landfill (approx. 60.0 acres), referred to as the **Citrus County Central Landfill** subject to the specific and general conditions attached, located near **S.R. 44, 3 miles east of Lecanto, Citrus County, Florida**. The specific conditions attached are for the operation and maintenance of:

1. Class I Landfill, Leachate Storage and Treatment Facility
2. Closed Class I Landfill and related appurtenances.

## General Information - Phase I, Cells 1, 1A, & 2

Disposal acres	25.8 acres
Bottom liner design & LCS design	Phase 1 - 16.5 acres - Single, 60 mil HDPE, Primary LCS piping Phase 1A - 3.3 acres - Double, 60 mil HDPE, Primary LCS piping, Geonet LDS Phase 2 - 6 acres - Double, 60 mil HDPE, Primary LCS piping, Triplanar Geonet LDS
Bottom elevation of cell	Phase 1A - min. +35.35 feet NGVD at sump Phase 2 - min +35.00 feet NGVD
Final top elevation at buildout (including cover)	max. +215.00 feet NGVD
Slopes	max. 3H:1V side slopes, 4% top slope

**Amended 06/23/2006.**

**Replaces Permit Nos.: 21375-003-SO, 21375-004-SC.**

**Includes modification No.: 21375-010, dated 04/26/2006.**  
**21375-009-SO/IM, dated 06/23/2006.**

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

*"More Protection, Less Process"*

**GENERAL CONDITIONS:**

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

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

**GENERAL CONDITIONS:**

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

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

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

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

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

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

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

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

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

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

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



**GENERAL CONDITIONS:**

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

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

(c) Records of monitoring information shall include:

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

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

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

1. **Facility Designation.** This site 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, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for operation of the Phases 1, 1A, and 2 of the Class I landfill and other related facilities, and long-term care, monitoring, and maintenance of the closed Class I landfill and related systems, in accordance with all applicable requirements of Department rules and in accordance with the reports, plans and information submitted by SCS Engineers (SCS) or Jones, Edmunds & Associates, Inc. [JEA], (unless otherwise noted), as follows:

a. Operations Permit Renewal Application Citrus County Central Landfill, (3-hole punched bound document, 3-hole punched Attachment L-1, spiral bound Attachment M-1) dated February 28, 2005 (received March 1, 2005), prepared by SCS Engineers (unless otherwise noted) as revised, replaced or amended (information inserted into original) dated and received April 29, 2005, dated and received June 16, 2005, dated and received July 15, 2005, dated and received July 21, 2005, and dated and received July 25, 2005. This information includes, but is not limited to:

- 1) "Operations Plan" (Attachment L-1) (revised as referenced in Specific Condition A.2.e.(1), below);
- 2) "Groundwater Monitoring Plan" (Attachment M-1, prepared by Jones Edmunds Associates);
- 3) "Slope Stability Analyses" (Attachment J-1);
- 4) "Closure Plan" (Attachment E-3) (replaced by Closure Plan referenced in Specific Condition. A.2.e.(3) below);
- 5) Plan Sheets titled, Citrus County Solid Waste Management Division Central Landfill Operations Permit Renewal Permit Drawings (9 sheets) dated April 2005 (received May 2, 2005) (replaced by Plan Sheets referenced in Specific Condition. A.2.e.(4) below); and
- 6) financial assurance information dated and received July 8, 2005.

**Amended 06/23/2006.**

b. Emergency Incidents Plan for the Central Landfill and related facilities for Citrus County, Florida,... dated April 2005, received via email on September 29, 2005, prepared by Citrus County Department of Public Works (inserted into Operations Plan [ref. SC#A.2.a(1)]).

c. Consent Agreement #05-1078, executed September 20, 2005.

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

(Specific Condition #A.2., cont'd)

d. Application for permit modification and supporting information regarding the use of an approximately 6-acre area in the southwest corner of the 60-acre closed landfill for firearms training, received February 15, 2006. Submitted materials include: revised Parts A, B, E, Q and T of DEP Form 62-701.900(1), signed/sealed February 14, 2006; revised Section Q.6 ("Use of Closed Landfill Areas") of the Engineering Report; and, Drawings 1 of 3 through 3 of 3 ("Withlatchoochee Tech, Central Landfill, Permit Modification"), prepared by SCS Engineers, dated January 2006 (inserted into Engineering Report [ref.SC#A.2.a]).

New 04/26/06 .

e. Permit Modification Request Citrus County Central Landfill, (3-hole punched bound document) dated and received January 13, 2006, prepared by SCS Engineers (unless otherwise noted) as revised, replaced or amended (information inserted into original) dated and received March 27, 2006 and dated May 3, 2006 (received May 4, 2006). This information includes, but is not limited to:

- 1) "Revised Sections 2.8.2 and 10 of Operations Plan" (incorporated into Operations Plan referenced in Specific Condition. #A.2.a.(1)above);
- 2) "Final Buildout Slope Stability Analyses" (Attachment J-1);
- 3) "Closure Plan" (Attachment E-3) (replaces Closure Plan referenced in Specific Condition. A.2.a.(4) above);
- 4) Plan Sheets titled, Citrus County Solid Waste Management Division Central Landfill Operations Permit Operations Drawings (8 sheets) dated January 2006 (received March 27, 2006); (replaces Plan Sheets referenced in Specific Condition. A.2.a.(5) above);
- 6) financial assurance information dated and received July 8, 2005.

New 06/23/2006.

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

**3. Permit Modifications.**

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

b. This permit authorizes the **operation** of the Phase 1, 1A, and 2, Class I disposal facility, the leachate storage and treatment facility, and related appurtenances.

c. This permit authorizes the **long-term care, monitoring, and maintenance** of the closed 60 acre Class I landfill, and related systems.

**4. Permit Renewal.** No later than February 1, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts, and revised (not inflation-adjusted) financial assurance cost estimates.

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

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

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

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

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

9. **Prohibitions.**

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

b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan, which describes the actions, necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

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

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

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

2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

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

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

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

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

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



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

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C., the **Operations Drawings** [ref. SC#A.2.e(4)] and the **Operations Plan** [ref. SC#A.2.a(1)], and any other applicable requirements.

**Amended 06/23/2006.**

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.

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 during the construction or operation of this facility.

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

e. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

f. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. Spotting may be conducted at the working face from the equipment (i.e., not from the ground) while waste is being disposed. However, in the event that the Department determines that spotting from the equipment is not effective in removing unacceptable wastes, then the authorization to spot the waste from equipment (exclusively) shall be withdrawn, and spotting shall then occur from the ground (i.e., while off the equipment) at a minimum. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the **Operations Plan** [ref. SC#A.2.a(1)].

g. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.

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

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

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

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

i. *Equipment*. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site within 24 hours of the occurrence. In the event that sufficient reserve equipment is not obtained within 24 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.

j. *Fires*. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition C.6.b. below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.

k. *Temporary Transfer Operation*. In the event that the permittee elects to operate a temporary transfer station at the facility, the Department shall be notified at least 48 hours prior to operation. This notification shall specify the final disposal location for the transferred waste, and shall include a site plan (reduced size) that shows the location and configuration of the transfer station within the lined landfill area. Leachate from the temporary transfer station shall not be discharged outside the landfill liner or leachate collection system. The temporary transfer operation shall:

1) be operated as described in Section 2.3.5. of the Operation Plan;

2) be operated for a maximum of 30 days. In the event that the permittee elects to operate the temporary transfer station for greater than 30 days, then a separate permit or modification of this Operation Permit may be required.

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

**2. 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 and to identify and properly manage prohibited materials.

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.

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

**4. Monitoring of Waste.**

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

b. The permittee shall not accept hazardous waste or any hazardous substance for disposal at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.7.

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

(Specific Condition #C.4., cont'd)

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.

d. Sludges generated from onsite processes (e.g., stormwater or leachate collection, removal or treatment system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation 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, **within sixty (60) days** of initial detection, the owner or operator shall submit an odor abatement plan to the Department for approval. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

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

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

(Specific Condition #C.5., cont'd)

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

c. In the event that any portion of the groundwater or gradient monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems or liner system is damaged or is not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired **within 48 hours of detection**, or by the close of the next business day, whichever occurs first. For the purposes of compliance with this Specific Condition, "significant" means that either:

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

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection.**

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

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

**7. Stormwater System Management.**

a. The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running on to waste filled areas and the mixing of stormwater with leachate, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. All stormwater conveyances shall be inspected at least weekly to verify adequate performance. Conveyances not performing adequately shall be repaired within three (3) working days. Documentation of all inspections and repairs shall be kept on file at the facility.

**8. Leachate Management.**

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the **Operations Plan** [ref.SC#A.2.a(1)], and other applicable Department rules.

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

c. Leachate, which has accumulated in low areas within the disposal area, shall be removed **daily** for disposal.

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

1) **No later than August 1, 2009**, the entire leachate collection and removal system shall be water pressure cleaned or video inspected to verify adequate performance. Components not performing adequately shall be cleaned and/or repaired. The inspection report shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan) and cause of obstructions encountered, proposed corrective actions as appropriate. The results of the inspection and cleaning shall be submitted to the Solid Waste Section of the Southwest District Office **no later than February 1, 2010** to demonstrate adequate performance.

2) The leachate level indicators in the disposal cells, leachate storage tanks and leachate treatment tanks shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.



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

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

3) Each pump and pump station and related sensors and controller mechanisms shall be inspected on a semi-annual basis. Pump performance shall be verified 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.

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

5) 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 any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.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 #C.6.

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

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

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

g. Leachate Leakage Action Rates. Leakage into the leakage detection systems (LDS) in Phases 1A and 2 should not exceed 930 gpd and 600 gpd respectively (9.3 acres and 6 acres @ 100 gal/acre/day, respectively) based on EPA recommended action leakage rates published in the Federal Register/Vol. 57 No. 19/ Wednesday January 29, 1992/Rules and Regulations. Exceedance of the leakage action rate indicates that deficiencies in the primary liner system may exist. In the event that the quantity of leachate that is removed from the LDS exceeds the action leakage rate, the Department shall be notified and a corrective action plan provided in accordance with Specific Condition C.6.b. The approved plan of action shall be implemented within 15 days of Department approval, or in accordance with an alternate schedule approved by the Department.

h. 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.

i. 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 POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.

**9. Special Wastes Handling Requirements.**

a. Special Wastes. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance 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. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location, which does not interfere with the sequence of filling.

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.

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

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

- 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 the *Operation Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation 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 Section N.3 or the Renewal Application documentation [ref. SC#A.2.a.], Rule 62-701.520(4), F.A.C., and all other applicable federal and Department rules.
- 4) Contaminated Soil. Contaminated soil (except dredge spoil) shall be disposed within the working area and shall have representative analytical results that 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. The white goods shall be removed from the site **at least every two months**, or when the container is full, whichever occurs first. White goods, which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed shall be clearly marked. A maximum of 100 c.y. of white goods may be stored at the site at any time.
- 6) Scrap metals. The scrap metals shall be removed from the site **monthly**, or when the container is full, whichever occurs first. Scrap metals which may include residual contaminants such as gasoline, oil, paint, antifreeze, PCBs, etc., shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. Scrap metals storage containers shall be tarped at the end of each working day and in the event of inclement weather. The maximum quantity of scrap metal which may be stored at the site is limited to 600 c.y.
- 7) Lead acid batteries. Lead acid batteries shall be removed from the site **at least weekly**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment.

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

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

- 8) Yard Waste. Yard waste shall be managed in accordance with the Operations Plan. Bagged yard trash or land clearing debris shall not be mulched at the site unless the plastic bags are removed prior to mulching. Mulched yard trash shall be removed from the site when the storage area has reached its capacity or within 18 months of processing, whichever comes first. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill. Yard trash shall not be disposed in the Class I Landfill or the C&D debris disposal facility.
- 9) Tires. Storage shall be limited to 115 tons of tires. The tires shall be removed from the site at **least monthly**, or when the container is full, whichever occurs first. The tires shall be stored in a container, and in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).
- b. The household hazardous waste collection/storage ("HHW C/S") facility shall be operated in accordance with the March 2001 Facility Standards for the Citrus County Hazardous Waste Collection and Storage Facility [ref. SC#A.2.b.)], as follows:
  - 1) HHW received at the Citizen Convenience Center shall be identified, and then relocated for storage within the containment area of the HHW Collection/Storage Facility 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 HHW C/S Facility 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.
- c. The Used Oil Collection Center shall comply with FAC Chapter 62-710 and 40 Code of Federal Regulations (CFR) 280 and 281, and all applicable requirements of Department rules. Discharges are not allowed and are subject to Chapter 62-780, F.A.C., for cleanup.

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

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

d. Citizen Convenience Center [CCC] Facility: The operation of the citizen waste drop-off facility shall comply with the following procedures:

- 1) Only residential customers and self-haul businesses shall use the facilities, that is, no solid waste collectors or commercial haulers will be allowed usage.
- 2) An attendant shall be at the CCC when waste is being received. Operating hours shall be posted, and fencing and gates shall be used to prevent unauthorized access when the facility is closed.
- 3) Only roll-off containers and/or dumpsters shall be utilized for waste storage. No compactors of any type shall be used.
- 4) All processable and non-processable solid waste, with the exception of recyclables, shall be removed from the site at least daily or when a container is full. At the close of business each day, or in the event of inclement weather, all processable and non-processable waste shall be covered with a waterproof tarp until the facility is again receiving solid waste.
- 5) The CCC shall be inspected for unauthorized materials and household hazardous waste at least daily. Unauthorized wastes and household hazardous wastes shall be removed from the CCC daily on operating days.

**10. Waste Handling Requirements.**

a. Unauthorized Wastes: A sufficient number of spotters and operators shall be utilized at the facility for removing unacceptable wastes (such as liquids, biomedical waste, hazardous and unknown wastes, tires, mercury containing devices, etc.) from the working face. Spotting may be conducted at the working face from the equipment (i.e., not from the ground) while waste is being disposed. However, in the event that the Department determines that spotting from the equipment is not effective in removing unacceptable wastes, then the authorization to spot the waste from equipment (exclusively) shall be withdrawn, and spotting shall then occur from the ground (i.e., while off the equipment) at a minimum.

b. A trained spotter shall be at the working face, the CCC, and other special waste management areas at all times that wastes are received.

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

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

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare [ref. SC#A.2.a.(1), Section. 7.5].

1) All solid waste disposed of in the Class I landfill 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. Working 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.**

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 12 inches of compacted soil and 6 inches of mulch for erosion control and slope stabilization, 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. A 50/50 mixture of soil/mulch is approved for use as alternate intermediate cover [ref. SC#A.2.a.(1), Section. 2.8.2.].

**Amended 06/23/2006.**

c. Alternate daily cover materials (ADCM) shall be approved by the Department prior to use at the facility. Tarps and 50/50 mixtures of soil/mulch are approved for use as alternate initial cover [ref. SC#A.2.a.(1), Section. 2.8.2.]. Other Department-approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval.

12. **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 [ref. Op. Plan, Sec. 7.4].



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

(Specific Condition #C.12., cont'd)

b. Interceptor berms shall be maintained around the active working area to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion, or waste is exposed.

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

a. The method and sequence of filling shall be in accordance with the Permit Drawings [ref. SC#A.2.e.(4), Sheet 6 of 9], and as described in the Operations Plan [ref. Op. Plan, Sec.2.7], or as otherwise approved in writing by the Department.

**Amended 06/23/2006.**

1) **No later than January 15, 2006**, the permittee shall submit a request for intermediate modification of this Permit, in accordance with Specific Condition #A.3., to revise fill sequence plans and stormwater management system design to address deviations in the method and sequence filling in Cells 1 and 1A.

b. Waste shall be spread in 2-4 feet thick layers and compacted to 1-2 feet thickness before applying the next layer of waste and in accordance with the method, procedures, and sequence described in the facility Operations Plan. Cells shall be filled in lifts no higher than 10 feet [ref. Op. Plan, Sec.2.7]. Slopes shall be maintained in accordance with the Permit Drawings.

c. Initial Waste Placement.

1) No disposal vehicles shall be operated directly on the liner protective layer [ref. Op. Plan, Sec.2.8.1].

2) The first lift of waste shall be a minimum of four (4) feet in compacted thickness and consist of selected wastes containing no large rigid objects that may damage the liner or leachate collection system [ref. Op. Plan, Sec.2.8.1].

d. Waste shall not be placed within 5 feet of the inside top edge of the bottom liner.

e. Grade and location stakes or other markers shall be provided to guide filling operations and provide a visual landmark for the equipment operators as filling progresses.

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

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

f. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than January 15<sup>th</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 survey shall demonstrate that the above-grade sideslopes are no greater than the design slopes, that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved permit drawings. The capacity estimate shall include updated design life calculations.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

**1. Report Submittals.**

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

**Amended 06/23/2006.**

**2. Operation Plan and Operating Record.**

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

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

**3. Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** In the event that the scales become inoperable, waste may be received for disposal for a maximum time period of 24 hours or as otherwise approved by the Department, until normal operations resume.

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

1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.

2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

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

- 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; and
- 5) Operator and spotter training certificates and other documentation;
- 6) Log of odor complaints and corrective action;
- 7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion;
- 8) Documentation of incidents reported pursuant to Specific Condition C.6.; and
- 9) Water quality and gas monitoring reports.

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

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

**Amended 06/23/2006.**

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

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

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certification from the Department of Health, Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

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

**2. Zone of Discharge.**

a. The zone of discharge shall extend horizontally 100 feet from the limits of the landfill disposal areas or to the property boundary, whichever is less, and shall extend vertically to the first semi-confining unit within the upper Floridan aquifer.

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

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

**3. Ground Water Monitor Well Locations.** The ground water monitoring network is designed and constructed in accordance with Attachment 8 ("Part M, Water Quality and Leachate Monitoring Requirements," prepared by JEA, revised July 2005) of the document entitled "Attachment M-1, Ground Water Monitoring Plan Evaluation," prepared by JEA, revised July 2005 [ref.SC#A.2.a.(2)]. The ground water monitor wells are located on the figure entitled "Site Plan With Proposed Well Locations," prepared by JEA, received July 21, 2005 (**attached**), as follow:

Well No.	WACS Testsite ID Number	Aquifer	Designation	Location
MW-1(R)	165	Floridan	Background	See figure
MW-2	149	Floridan	Background	See figure
MW-3	150	Floridan	Background	See figure
MW-4	166	Floridan	Piezometer	See figure
MW-5	167	Floridan	Piezometer	See figure
MW-6	168	Floridan	Intermediate	See figure
MW-7	179	Floridan	Background	See figure
MW-8R	180	Floridan	Compliance	See figure
MW-9	181	Floridan	Compliance	See figure
MW-16 *	N/A	Floridan	Piezometer	See figure
MW-AA	169	Floridan	Compliance	See figure
MW-B	65	Floridan	Compliance	See figure
MW-C	66	Floridan	Compliance	See figure
MW-D	27	Floridan	Compliance	See figure
MW-E	171	Floridan	Compliance	See figure

\* = to be installed **within 90 days of permit issuance** in accordance with construction details presented in Table 1 of Attachment 9 ("Ground Water Investigation Plan," prepared by JEA, revised July 2005) of the document entitled "Attachment M-1, Ground Water Monitoring Plan Evaluation," prepared by JEA, revised July 2005 [ref.SC#A.2.a.(2)]; documentation of well construction shall be provided **within 30 days of installation** in accordance with Specific Condition Nos. E.5.b., and E.5.d.

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

**4. Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be 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. Ground water samples for analysis of metals may be field-filtered if the criteria listed in the Department's 1994 technical document entitled *Determining Representative Ground Water Samples, Filtered or Unfiltered* are met, and shall be limited to the monitor wells that are screened in unconsolidated sandy sediments. Otherwise, compliance with ground water standards shall be based on the analysis of unfiltered samples.



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

(Specific Condition #E.4., continued)

a. Ground water levels shall be measured at all active wells and piezometers listed in Specific Condition No. E.3., during all sampling events described in Specific Condition Nos. E.4.b., and E.4.c., to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer.

b. Background wells (MW-1R, MW-2, MW-3, and MW-7) and compliance wells (MW-AA, MW-B, MW-C, MW-D, MW-E, MW-8R and MW-9) 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

c. Intermediate well MW-6 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  
Fecal Coliform  
Total Trihalomethanes

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

a. Prior to construction of all new or replacement wells and piezometers (excluding piezometer MW-16 and other wells installed in accordance with Consent Agreement #05-1078) the permittee shall request and receive Department approval of a minor permit modification in accordance with Specific Condition No. A.3.

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

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

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

(Specific Condition #E.5., continued)

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

**6. Well Abandonment.** All wells and piezometers not listed in Specific Condition No. E.3., and not a part of the approved Water Quality Monitoring Plan are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the rules of the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well/piezometer abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria in any detection well, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis as 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 in writing within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring as described in Rule 62-701.510(7)(a), F.A.C. If monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria in any compliance well, the permittee shall submit a preventive measures plan and initiate corrective action as described in Rule 62-701.510(7)(b), F.A.C.

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

**8. Surface Water Sampling.** All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). It is not anticipated that the existing stormwater management system will discharge from the property. However, in the event that surface water discharge occurs from the stormwater management system, representative samples of each discharge event shall be collected for analysis of the parameters listed in Specific Condition No. E.8.b. In the event that any modifications to the stormwater management system associated with future uses of the landfill result in periodic surface water discharges from the property, the Department may require the implementation of routine surface water monitoring.

**a.** The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional sampling locations and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the surface water criteria established for the individual parameters to demonstrate compliance with Class III surface water (predominantly freshwater) referenced in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.

**b.** Surface water sampling shall be conducted **per discharge event** in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(4) and 62-701.510(6)(e), F.A.C. The Solid Waste Section of the Department shall be notified of the occurrence of each discharge event **within 24 hours of discovery**. Surface water samples shall be analyzed for the following parameters:

**Field parameters**

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

**Laboratory parameters**

Unionized ammonia	Total organic carbon (TOC)
Total hardness	Total nitrogen
Total phosphates	Chemical oxygen demand (COD)
Chlorophyll A	Fecal coliform
Copper	Biochemical oxygen demand (BOD5)
Iron	Total dissolved solids (TDS)
Mercury	Total suspended solids (TSS)
Nitrate	Zinc

Parameters listed in 40 CFR Part 258, Appendix I

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

**9. Leachate Sampling.**

a. Leachate Influent Sampling. Grab samples of leachate influent (unfiltered) shall be collected from the master lift station for Phases 1/1A (WACS testsite ID No. 172) as shown on the figure entitled "Site Plan With Proposed Well Locations," prepared by JEA, received July 21, 2005 (**attached**), and from the Phase 2 primary pump sampling port (WACS testsite ID No. 21790) to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. The leachate influent samples collected from the master lift station and the Phase 2 primary pump may be composited except that individual samples shall be collected from each location for analysis of volatile organic compounds.

1) **Annual** leachate influent sampling shall be conducted for analysis of the following parameters:

Field Parameters

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

Laboratory Parameters

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

2) If the annual leachate influent analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. E.9.a.(1), and shall notify the Department in writing in accordance with Specific Condition No. C.6. 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.

b. Leachate Treatment Plant Effluent Sampling. Grab samples of treated leachate effluent (unfiltered) shall be collected at the discharge from the chlorine contact tank (WACS Testsite ID No. 175) as shown on the figure entitled "Site Plan With Proposed Well Locations," prepared by JEA, received July 21, 2005 (**attached**), to comply with the ground water standards and minimum criteria referenced in Rules 62-520.420 and 62-520.400, F.A.C., respectively, with the exception of sodium, chloride and total dissolved solids (TDS). These three parameters shall meet the standards listed in Rule 62-520.420, F.A.C., at the edge of the zone of discharge along the western property boundary (as described in SC#E.2.a.).

1) Leachate effluent shall be sampled at the frequency listed in Specific Condition No. E.9.b.(2), and the analytical results shall be submitted **quarterly**, as follows: Quarter 1 results shall be submitted by **April 15<sup>th</sup>**; Quarter 2 by **July 15<sup>th</sup>**; Quarter 3 by **October 15<sup>th</sup>**; and, Quarter 4 by **January 15<sup>th</sup>**.

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

(Specific Condition #E.9.b., continued)

2) Leachate effluent samples shall be collected for analysis of the following parameters:

Parameter	Unit	Minimum	Maximum	Frequency
Flow	gpd	N/A	30,000	Daily
pH	STD UNITS	6.00	8.50	Daily
CBOD <sub>5</sub>	mg/l	N/A	20	Weekly
TSS	mg/l	N/A	20	Weekly
Nitrate - N	mg/l	N/A	10	Weekly
Chloride	mg/l	N/A	N/A	Quarterly
Sodium	mg/l	N/A	N/A	Quarterly
TDS	mg/l	N/A	N/A	Quarterly
Total ammonia - N	mg/L	N/A	2.8	Quarterly
Benzene	µg/l	N/A	1	Quarterly
Toluene	µg/l	N/A	40	Quarterly
Ethylbenzene	µg/l	N/A	30	Quarterly
Total Xylenes	µg/l	N/A	20	Quarterly
Vinyl Chloride	µg/L	N/A	1	Quarterly
Ethylene dibromide (EDB)	µg/l	N/A	0.02	Quarterly
Total Trihalomethanes	µg/l	N/A	100	Semi-annually*
Arsenic	mg/l	N/A	0.01	Annually
Barium	mg/l	N/A	2	Annually
Cadmium	mg/l	N/A	0.005	Annually
Chromium	mg/l	N/A	0.1	Annually
Iron	mg/l	N/A	0.3	Annually
Mercury	mg/l	N/A	0.002	Annually
Lead	mg/l	N/A	0.015	Annually
Selenium	mg/l	N/A	0.05	Annually
Silver	mg/l	N/A	0.1	Annually

\* =to be conducted concurrently with the semi-annual ground water sampling events described in Specific Condition Nos. E.4.b., and E.4.c.

If in any two consecutive weeks of leachate effluent sampling, the same listed parameter exceeds the regulatory level, the permittee shall immediately cease discharge into the percolation ponds and provide off-site disposal for its leachate and/or effluent, until acceptable leachate treatment is again demonstrated and until on-site discharge into the percolation ponds is again approved by the Department.

3) **Annually**, the leachate effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix I, however the effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix II during the annual sampling event conducted prior to permit renewal.

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

- Toxicity Characteristic Leaching Potential Test (TCLP) for the organics, metals and pesticides listed in 40 CFR Part 261.24, Table 1
- pH (standard units)
- Solids (percent)

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

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

**10. Water Quality and Leachate Reporting Requirements.** The permittee shall submit to the Department the results of the semi-annual ground water analyses (SC #E.4.b., and #E.4.c.) **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 permittee shall submit to the Department the results of the annual leachate influent and treated leachate effluent analyses (SC#E.9.a.(1) and #E.9.b.(3), respectively) **by January 15<sup>th</sup> of each year**. The permittee shall submit to the Department the results of the annual leachate treatment plant sludge analyses (SC#E.9.c.) **by January 15<sup>th</sup> of each year**. The permittee shall submit to the Department the results of the surface water discharge event analyses (SC#E.8.b.) **within 30 days of receipt of results from the laboratory**. The submittals shall include the certified laboratory report of results, chain of custody sheets and field sampling logs. The reports that transmit the results of ground water analyses shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. There are two options for reporting monitoring data:  
**Amended 06/23/2006.**

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

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

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

**11. Monitoring Plan Evaluation.**

a. The permittee shall submit to the Department a report that evaluates ground water velocity in the vicinity of the proposed monitor wells to be installed in accordance with Consent Agreement OGC File No. 05-1078. This evaluation shall include the results of slug tests conducted at the proposed wells, revised ground water velocity calculations and recommendations regarding the appropriate routine ground water sampling frequency (semi-annually or quarterly). In the event that the evaluation report recommends routine ground water sampling be conducted at a quarterly frequency, submittal of an application for minor permit modification shall be required in accordance with Specific Condition No. A.3. The evaluation shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 06/23/2006.**

b. By October 1, 2007 and by February 1, 2010, the permittee shall submit an evaluation of the water quality and leachate monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
October 1, 2007	Second half 2004	First half 2007
February 1, 2010	Second half 2007	Second half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing facility design and operation as related to the prevention of ground water and surface water contamination. Any contamination that may exist shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 06/23/2006.**

c. The permittee shall implement corrective actions at the facility to address exceedances of ground water standards reported for monitor wells at the south and west property boundaries in accordance with Consent Order OGC File No. 05-1078 [ref.SC#A.2.c.]. Any proposed changes to the monitoring plan (monitoring well locations, sampling frequency or monitoring parameters) that result from the implementation of these corrective actions shall require a modification to the permit in accordance with Specific Condition Nos. A.3., and E.5., prior to the implementation of the monitoring plan changes.

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

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

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

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

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

**2. Gas Monitoring and Control.**

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

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

c. The results of quarterly gas 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: PART F - Landfill Gas Management**

3. **Gas Monitoring Locations.** The enclosed structures and existing gas monitoring probes shown on Attachment 9-1 ("Existing and Proposed Landfill Gas Monitoring Probe Locations"), prepared by SCS Engineers, received July 21, 2005 (**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.

**Monitoring Probes**

Active Landfill  
Closed 60-acre Landfill

**Location Description**

GS-1E and GS-2S  
Gas probes along existing north, west and south property boundaries; gas probes along east boundary of the 60-acre landfill, adjacent to central access road

**Ambient**

**Monitoring Locations**

Scale House

Administrative Building

Leachate Treatment Plant

Gun Range

**Location Description**

Along baseboards, at cracks in concrete slab or flooring, ground-level cabinets, electrical outlets and panels  
Along baseboards, at cracks in concrete slab or flooring, ground-level cabinets, electrical outlets and panels  
At cracks in concrete slab or flooring, ground-level cabinets, electrical outlet and panels  
At cracks in concrete slabs, concrete slab penetrations, electrical outlets and switches

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

4. **Gas Remediation.**

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

b. In the event that the remediation activities required by Consent Agreement OGC File No. 05-1078 for landfill gas migration result in additional gas monitoring locations or gas management systems, the permittee shall request a modification of this permit pursuant to Specific Condition #A.3., above, to incorporate the new systems and monitoring locations.

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

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

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

3. **Long-Term Care Requirements.**

a. The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information submitted as part of this permit application. [ref. SC #A.2.a., Eng. Report, Section R].

b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.

4. **Use of Closed Landfill Areas.**

a. The use of an approximately six-acre area in the southwest corner of the closed 60-acre Class I landfill has been approved by the Department, as follows:

- **Firearms Training Facility (existing)** - the Citrus County School Board, Withlatchoochee Technical Institute (WTI) operates the Criminal Justice Academy (CJA) which includes firearms training. The existing firearms training facility includes five shooting ranges (3 pistol ranges, 1 rifle range, 1 tactical range), each of which contain earthen berms on 3 sides. The CJA provides firearms training for: law enforcement, correctional and correctional probation officer basic recruits and sworn officers; firearms instructors; retired law enforcement officers; hunter safety for the general public through the Florida Fish and Wildlife Conservation Commission (FWC); and, tactical training for specialty teams. Shooting shall be limited into the constructed earthen berms, no skeet or trap shooting shall be allowed.
- **Firearms Training Facility (proposed)** - construction and operation of an additional shooting range in accordance with Drawing Nos. 2 and 3 of 3 ("Proposed Range Modifications"), prepared by SCS Engineers, dated January 2006 [ref. SC#A.2.d.] to provide hunter safety training for the general public through the FWC. Shooting shall be limited into the constructed earthen berms, no skeet or trap shooting shall be allowed.

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

(Specific Condition #G.4.a., continued)

- **Firearms Training Facility Maintenance** - areas within the existing and proposed firearms training facilities shall be maintained to provide adequate surface slopes for drainage to the existing storm water retention area. No penetrations of the closed landfill cover system shall be allowed without first obtaining written approval from the Department. Lead removal shall be conducted at least yearly (or more often depending on soil testing results) by a Department-licensed company for proper treatment or disposal. Documentation of soil testing locations and results, lead removal, and subsequent soil treatments to maintain neutral pH shall be maintained by the WTI and made available to the Department upon request. Soil testing and lead removal shall be performed to comply with the Department's document entitled "Best Management Practices for Environmental Stewardship of Florida Shooting Ranges," dated 2004, or successor document.

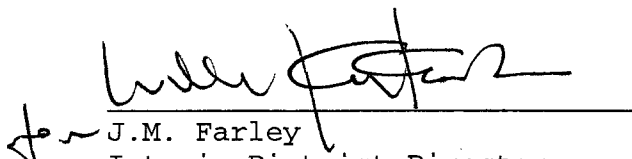
**Amended 04/26/2006 .**

b. Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document. Authorization to use the Citrus County Central Landfill for activities not described in Specific Condition No. G.4.a., may require a modification of this permit to comply with Specific Condition No. A.3.

**Amended 04/26/2006 .**

Executed in Citrus County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
J.M. Farley  
Interim District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than February 1, 2010	Submit permit renewal application
A.9.a.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.d.(1)	No later than February 1, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.f. F.2.c.	Quarterly, by January 15 <sup>th</sup> April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit leachate generation reports Submit gas monitoring results
C.13.a(1)	No later than January 15, 2006	Submit permit modification for sequence of filling and stormwater management system
C.13.f.	Annually, by January 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 90 days of permit issuance	Install well MW-16
E.3.	Within 30 days of installation	Provide well construction information
E.4.b.	Semi-annually	Sample background and compliance wells
E.4.c.	Semi-annually	Sample MW-6
E.5.a., E.5.b.	Within 90 days of installation of new wells	Request permit modification, provide construction details for wells, Submit survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.b.	Each discharge event	Conduct surface water sampling
E.9.a(1)	Annually	Conduct leachate influent sampling
E.9.b(1)	Quarterly, by January 15 <sup>th</sup> April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit leachate effluent sampling
E.9.c.	Annually	Conduct leachate treatment plant sludge sampling
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year  Annually, by July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.b., E.4.c.)  Submit leachate influent, effluent and sludge analyses (SC#E.9.a(1), E.9.b(3), E.8.b.)
E.11.	By October 1, 2007 and by February 1, 2010	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection  Within 60 days of detection	Submit gas remediation plan  Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application

# Memorandum

## Florida Department of Environmental Protection

### PERMIT COVER MEMO

TO: ~~X~~ J.M. FARLEY, Interim District Director

FROM/THROUGH:

William Kutash *WKT*, ENVIRONMENTAL ADMINISTRATOR

Susan Pelz, P.E. *SP*, SOLID WASTE MANAGER

Steve Morgan *SM*, SOLID WASTE PERMITTING *4/21/06*

DATE: June 21, 2006

MODIFICATION #21375-009-SO/IM

FILE NAME: Citrus County Central Class I LF

PERMIT #: 21375-008-SO/01

PROGRAM : Solid Waste

COUNTY : Citrus

TYPE OF PERMIT ACTION: ISSUE PERMIT MODIFICATION

PERMIT SUMMARY: This permit modification is to revise stormwater drainage and fill sequence in anticipation of final closure upon completion of filling Cell 2 of the existing Citrus County Central Class I LF.

PROFESSIONAL RECOMMENDATION: X APPROVE        DENY

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

TIH= 149; TTP=75 (to 6/21/06)		TTP
Application rec'd	01/13/06	
RAI #1 sent	02/09/06	27
Partial response rec'd	03/27/06	
Partial response rec'd	05/04/06	
Application complete	05/04/06	
Final permit for routing	06/21/06	48

DAY 90/30 FOR THIS ACTION IS: ASAP Day 90=08/01/06



# Department of Environmental Protection

Jeb Bush  
Governor

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

Colleen M. Castille  
Secretary

Ms. Susan Metcalfe, P.G., Director  
Citrus County Solid Waste Division  
P.O. Box 340  
Lecanto, Fl. 34460-0340

February 9, 2006

RE: Citrus County Central Class I Landfill Permit Modification  
Pending Permit No.: 21375-009-SO/01, Citrus County

Dear Ms. Metcalfe:

This is to acknowledge receipt of the permit application prepared by SCS Engineers, dated and received January 13, 2006, for modification of an existing Class I landfill operation permit, for a facility referred to as the Citrus County Central Class I Landfill, located on S.R. 44, 3 miles east of Lecanto, Citrus County, Florida.

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

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

## GENERAL:

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

"More Protection, Less Process"

Printed on recycled paper.

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

1. **Rule 62-701.320(8), F.A.C.** Please publish the attached Notice of Application and provide proof of publication to the Department.

**APPLICATION FORM #62-701.900(1)**

Please address the following comments regarding the permit application form and supporting documentation and provide a revised application form with the revised information, where applicable:

2. **Part E.6.:** Although the "N/C" column is marked on the application form, as indicated by the comments below, several sections of the Engineering Report for the current operation permit appear to be inconsistent with the proposed fill sequence and closure design modification. Please revise the application form and these sections accordingly.
3. **Part E.7. & Attachment E-3.:** Although the "N/C" column is marked on the application form, the current Closure Plan (Attachment E-3) appears to be inconsistent with the proposed fill sequence and closure design modifications as follows. Please revise the application form and Attachment E-3, as applicable.
  - a. The current closure plan proposes a phased closure of the first 20 acres of Phases 1, 1A, and 2 as part of future expansion, while the proposed closure design assumes final closure of the facility upon completion of filling of these phases.
  - b. The current closure plan proposes a six-inch soil bedding layer above a 12-inch intermediate cover layer and below the FML liner, which is not proposed in the proposed closure design. Please explain the justification for removal of this bedding layer in the proposed closure design.
  - c. The description of the surface and stormwater management system in the current closure plan is inconsistent with the system proposed in the updated closure design.
4. **Part F.5.:** Although the "N/C" column is marked on the application form, since the proposed fill sequence and closure design modifications do not anticipate further landfill expansion, the current Landfill Report appears to be inconsistent with the proposed fill sequence and closure design modifications. Please revise the application form and Section F-5, as applicable.
5. **Part H.8.:** Although the "N/C" column is marked on the application form, the proposed fill sequence and closure design modifications appear to include changes to the drainage basin areas, and location and number of outfall structures for the existing surface water and stormwater management system. Please provide a copy of a permit modification from SWFWMD, including approved design drawings, approving these changes or documentation from SWFWMD that the proposed changes do not require a permit modification. Please revise the application form and Section H, accordingly.



6. Part K. Sections 1-8.: Although the "N/A" column is marked on the application form, the proposed fill sequence and closure design modifications show a final elevation of 215 ft. NGVD, which is above the currently permit maximum elevation of 202.35 ft. NGVD, and therefore represents a vertical expansion of the facility. Please revise these sections accordingly to address the proposed vertical expansion of the facility. Previously provided information or reports that are still valid and address these sections may be referenced, but must be specifically referenced (by document name, document date, author, and specific page and/or plan number) for each item listed. Please revise the application form and Section K, as appropriate.

7. Part L.10. & Attachment L-1 (Operations Plan) Section 10:

a. Although the "N/C" column is marked on the application form, the proposed fill sequence and closure design modifications significantly changes the stormwater and surface water management and stormwater conveyance system. Section 10 describes and refers to the previously approved system. Please revise the application form and Attachment L-1 Section 10 accordingly.

b. While the fill sequence shown on Sheet 6 of 9 of the permit drawings show the incorporation of side slope benches into the fill sequence, it does not appear to propose the phased installation of the final cover and stormwater conveyance system as the vertical side slope elevation of the facility increases. Please revise Part L.10 to describe how stormwater will be conveyed during the phased operation of the facility in the absence of the designed stormwater conveyance system, including all appropriate supporting information, calculations and/or assumptions and figures. Please revise Section 10 of the Operations Plan to including as specific description of the operation procedures to be utilized to convey stormwater and prevent side slope erosion during the operation of the facility.

**ATTACHMENT E-1 - PERMIT DRAWINGS TITLED - CITRUS COUNTY SOLID WASTE MANAGEMENT DIVISION CENTRAL LANDFILL OPERATIONS PERMIT RENEWAL PERMIT DRAWINGS - FEBRUARY 2005 (RULE 62-701.320(7)(f), F.A.C.)**

8. The proposed fill sequence and closure design modifications represent a significant modification of the stormwater conveyance system for the facility from the previously approved conveyance system. Please provide the information, calculations, and/or assumptions, including but not limited to side slope erosion calculations and conveyance swale, inlets, diversion berm, geocomposite, and down slope pipe flow calculations, utilized in support of the proposed stormwater conveyance system design.

9. Drawing 4 of 9 - Phase 1 and 2 Buildout Site Plan: Please revise this sheet to show the proposed slope and direction of stormwater flow in all stormwater conveyances swales.

10. Drawing 6 of 9 - Phase 1 and 2 Filling Sequence Site Plan: Please revise this plan sheet to address the following comments.

a. While the fill sequence shown on this plan sheet show the incorporation of side slope benches into the fill sequence, it does not appear to propose the phased installation of the final cover and stormwater conveyance system as the vertical side slope elevation of the facility increases. Please revise this plan sheet as appropriate, based on your response to Comment 8.b. above.

b. The Step 5 fill sequence showing a top elevation of 155 ft NGVD appears to be inconsistent with the Step 4 fill sequence drawing which shows a top elevation of 180 ft NGVD. Please explain this apparent inconsistency and revise this plan sheet, as appropriate.

11. **Drawing 7 of 9 - Sections:** Please revise Sections B and C on this plan sheet to show the location of the stormwater diversion bench/berm.

12. **Drawing 9 of 9 - Drainage Details:** Please revise this plan sheet to address the following comments.

a. Please provide plan and section views details of the drop inlet and ADS inlet. Please show whether or not the inlets will be in direct contact with the geocomposite drainage layer.

b. Please provide a description of and specifications for the "Erosion Control Fabric Mat (TYP.)."

c. Please provide support information, calculations, and/or assumptions that demonstrate adequate pipe strength for stormwater conveyances pipes located under access roads due to typical heavy equipment traffic loads. Previously provided information that is still valid and addresses this issue may be referenced, but must be specifically referenced (by document name, document date, author, and specific page and/or plan number) for each item listed.

**ATTACHMENT S-1 - FINANCIAL ASSURANCE**

13. Provided that responses to the requested information and/or subsequent information provided in support of this application does not result in significant changes in the facility's design, operation and closure plans or result in changes to the groundwater monitoring plan, no additional information will be required for this item. (copy of approval letter attached) In the event that changes in the facility's design, operation, closure, and/or groundwater monitoring plan are required, revised closure cost estimates, as specified in Rule 62-701.630(4)(b)1., F.A.C. will be required. Please work directly with Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, MS 4565, Tallahassee, Florida 32399-2407 to arrange for an appropriate funding mechanism in compliance with the requirements of Rule 62-701.630, F.A.C. and provide proof of appropriate funding. Please note that approval of the proof of financial assurance funding shall be required prior to issuance of this permit.

**Please provide all responses that relate to engineering for design and operation, including plan sheets, signed and sealed by a professional engineer. Responses that relate to the facility operations should be included as part of the Operation Plan. All replacement pages should be numbered, and with revision date.**

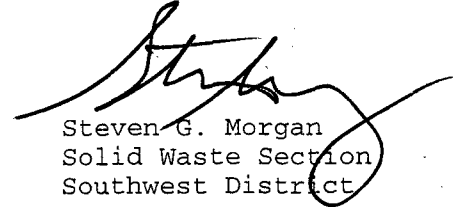
**Please respond within 45 days** after you received this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 45 days to develop, you should develop a specific time table for the submission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

Ms. Susan Metcalfe, P.G., Director  
Citrus County Solid Waste Division

Citrus County Central Class I Landfill  
Page 5 of 5

You are requested to submit 3 copies of your response to this letter as one complete package with an original and two copies of all correspondence. If there are points that must be discussed and resolved, please contact me at (813) 632-7600 ext. 385.

Sincerely,



Steven G. Morgan  
Solid Waste Section  
Southwest District

SM/sgm

Attachments

cc: John Banks, P.E., SCS Engineers, 3012 U.S. Highway 301 North, Suite 700, Tampa, Florida  
33619-2242 w/attachments  
Patty Jefferson, Citrus County, 285 S. Kensington Avenue, Lecanto, Florida 34461  
w/attachments  
Fred Wick, FDEP, Tallahassee  
John Morris, P.G., FDEP Tampa

62-110.106(5). Notices: General Requirements.

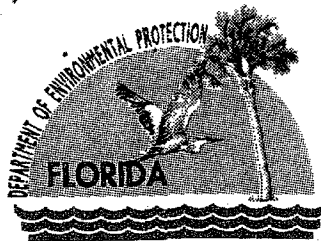
Each person who files an application for a Department permit or other notice as may publish or be required to publish a notice of application or other notice as set forth below in this section. Except as specifically provided otherwise in this paragraph, each person publishing such a notice under this section shall do so at his own expense in the legal advertisements section a newspaper of general circulation (i.e., one that meets the requirements of sections 50.011 and 50.031 of the Florida Statutes) in the county or counties in which the activity will take place or the effects of the Department's proposed action will occur, and shall provide proof of the publication to the Department within seven days of the publication.

62-110.106(6). If required, the notice shall be published by the applicant one time only within fourteen days after a complete application is filed and shall contain the name of the applicant, a brief description of the project and its location, the location of the application file, and the times when it is available for public inspection. The notice shall be prepared by the Department and shall comply with the following format:

**State of Florida  
Department of Environmental Protection  
Notice of Application**

The Department announces receipt of an application for permit modification from Citrus County Solid Waste Division of the existing permit to operate and maintain a Class I Landfill, subject to Department rules, at the Citrus County Central Class I Landfill located on S.R. 44, 3 miles east of Lecanto, Citrus County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.



Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

Ms. Susan Metcalfe, P.G., Director  
Citrus County Solid Waste Division  
P.O. Box 340  
Lecanto, FL 34460-0340

February 9, 2006

RE: Citrus County Landfill Financial Assurance Cost Estimates  
Pending Permit Modification No.: 21375-009-SO/01  
Permit No.: 21375-009-SO/01, Citrus County

Dear Ms. Metcalfe:

This letter is to acknowledge receipt of the revised cost estimates dated and received January 13, 2006 as Attachment S-1 of Permit Modification Request Citrus County Central Landfill prepared by SCS Engineers, for closure and long-term care of the Citrus County Landfill (Phases 1, 1A, & 2 and the old 60 acre landfill). The revised cost estimates received on January 13, 2006 (total for closing \$3,816,570.00 and long-term care \$219,553.00/year x 30 years= \$6,586,596.00), are **APPROVED for 2005**. The approved estimates are for closing 25.1 acres (Phases 1, 1A, & 2) and long-term care of 85.1 acres. Please note that the next cost estimate update for the facility shall include revised (rather than inflation-adjusted) cost estimates to address change in closure and long-term care estimates associated with pending site investigations and remediation, and resulting changes in facility monitoring and maintenance activities, and is due no later than **September 1, 2006**.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. You will need to work directly with Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, MS 4565, Tallahassee, Florida 32399-2407 to arrange for an appropriate funding mechanism in compliance with the requirements of Rule 62-701.630, F.A.C. Please note that approval of the proof of financial assurance funding shall be required prior to issuance of this permit.

Sincerely,



Steven G. Morgan  
Solid Waste Section  
Southwest District

sgm

cc: John Banks, P.E., SCS Engineers, 3012 U.S. Highway 301 North, Suite 700, Tampa, Florida  
Fred Wick, FDEP, Tallahassee, w/attachment  
John Morris, P.G. FDEP Tampa

"More Protection, Less Process"

Printed on recycled paper.

Citrus Co  
LF permit

**Pelz, Susan**

**From:** Pelz, Susan  
**Sent:** Thursday, January 26, 2006 1:19 PM  
**To:** 'Susan Metcalfe'  
**Cc:** Carmen Bruno; Morgan, Steve  
**Subject:** RE: "toxic mold"

Susie,

Sounds like solid waste to me. Unless you have reason to believe that it's RCRA hazardous, you can take it at the landfill. We wouldn't consider it to be biomedical waste.

Thanks,  
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

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

**From:** Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]  
**Sent:** Thursday, January 26, 2006 12:13 PM  
**To:** Pelz, Susan  
**Cc:** Carmen Bruno  
**Subject:** "toxic mold"

Susan,  
We have a question as to the proper disposal location for furniture infected with "toxic mold" from a customer who has not moved it yet. Yours will be the Solid Waste opinion. Class I landfill or Medical waste incinerator?

We are also researching with Environmental Health (State agency) who referred us to FDEP air quality.

Thanks.  
Susie

Tracking:	Recipient	Read
	'Susan Metcalfe'	
	Carmen Bruno	
	Morgan, Steve	Read: 1/26/2006 3:48 PM
	Watson, Stephanie M.	Read: 1/26/2006 1:29 PM
	Morris, John R.	Read: 1/26/2006 2:59 PM
	Galbraith, Bret	Read: 1/26/2006 1:28 PM



Jeb Bush  
Governor

# Department of Environmental Protection

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

Colleen M. Castille  
Secretary

SM 1/3/13  
JM 1/3/8  
BG @ 2/27

January 24, 2006

Susan Metcalfe, Director  
Citrus County Solid Waste Management Division  
P.O. Box 340  
Lecanto, FL 34460

Dear Ms. Metcalfe:

RE: Citrus County Central Landfill  
Submittal Of Title V Air Operation Permit Application

On December 30, 2005 the Department received a Revised Design Capacity Report and Tier 1 NMOC Emission Rate Report for the Citrus County Central Landfill from your consultant SCS Engineers. This report was required by 40 CFR 60 Subpart WWW, New Source Performance Standards for Municipal Solid Waste Landfills. In this report the Department was notified that:

- the design capacity of the landfill is now above the Subpart WWW applicability trigger level of 2.5 million Megagrams and 2.5 million cubic meters;
- the Tier NMOC emission rate exceeds the 50 Mg/year Subpart WWW threshold for requiring that a landfill gas (LFG) collection and control system be designed and installed;
- Citrus County must perform site specific Tier 2 NMOC testing by July 1, 2006 to determine actual NMOC emissions, or design and install a collection and control system in accordance with the schedules and requirements of Subpart WWW.

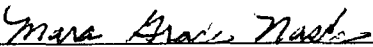
Since it was not mentioned in the report, the Department also wishes to make sure that you are aware of another requirement that is triggered by this report. In accordance with Rule 62-204.800((8)(b)(72) (40 CFR 60 Subpart WWW - Municipal Solid Waste Landfills), F.A.C., a Title V air operation permit application must be filed "180 days after the issuance of the solid waste permit that modifies the design capacity of the facility to be equal to or greater than 2.5 million Megagrams and 2.5 million cubic meters." Since (based on information obtained in a January 17, 2006 phone call to you by David Zell of my staff) the Solid Waste permit was issued on 09/30/05, this means a Title V air operation permit application must be submitted no later than 03/29/06.

Citrus County Solid Waste Management Division  
Citrus County Central landfill

page 2 of 2

If you have any questions concerning this letter or the Title V operation permit application process please contact David Zell of my staff at 813-632-7600, extension 118.

Sincerely,

  
Mara Grace Nasca  
District Air Program Administrator  
Southwest District

MGN/DRZ

copies to:

- David H. Penoyer, P.E., SCS Engineers (3012 U.S. Highway 301 North, Suite 700, Tampa, FL 33619-2242)
- ~~Susan~~ Pelz, FDEP SW District Solid Waste Section



Pelz, Susan

Citrus Co LF  
permit file

**From:** Lynch, Sandra  
**Sent:** Monday, January 23, 2006 12:04 PM  
**To:** Cleary, James; Culbreth, Laurel; Getzoff, Deborah; Greenwell, Jeff; Kutash, William; McKiernan, Cece; Nasca, Mara; Pelz, Susan; Ramer, Jim; Smolen, Joel; Tyner, Nell; Vazquez, Pamala; Williams, Brenda R.  
**Subject:** News Articles Jan. 21 - 23, 2006

FYI

## County mulls trash transfer

By Terry Witt

A multi-million-dollar plan to truck garbage more than 100 miles outside the county rather than continue to bury it at the landfill will go to the county commission on Tuesday. County staff will ask for authority to request written proposals from firms interested in designing, building and operating a garbage transfer station. Staff has little expertise in those areas.

The plan would be to construct a transfer building at the landfill big enough to accommodate garbage trucks. The refuse would be unloaded and compacted before being moved to 18-wheel trucks for a 109-mile trip to the New River Regional Landfill north of Raiford.

Commissioners have not decided whether to build the station nor has staff settled on New River Regional Landfill as the eventual recipient of the garbage. But New River was used to develop its documents for bidders.

A staff report said costs to operate all phases of the landfill likely would increase if the transfer station is constructed, but the alternative might be equally unattractive. The county has about 10 to 15 years of space left at the landfill.

Costs associated with continuing to bury garbage at the landfill are estimated by staff at \$22.2 million for a period of 10 to 15 years. Part of the cost would be finding a new landfill site at least 300 acres in size.

"Finding another landfill site in Citrus County would be a very difficult task and very expensive," said Solid Waste Director Susie Metcalfe.

Staff members estimate the cost of developing a transfer station would be \$8.6 million during a 2-1/2-year period. After the station was built, there would be additional costs associated with trucking the garbage 109 miles to New River, operating the new transfer station and running existing programs.

Commission Chairman Gary Bartell said the board's decision on Tuesday will be nothing more than asking for bids proposals, but he said commissioners have made a decision to look for alternatives to burying garbage in Citrus County.

Bartell said population growth is forcing the commission to plan for the future.

He said the county is in a better position than some neighboring counties to examine its options, noting the county recently opened a new lined cell that will last for at least five years.

"I'm leaning toward the transfer station," he said. "I made four speeches this week to civic associations and the same issue popped up. Do we dig our heads in the sand or do we plan for growth? I think we need to plan ahead."

SO YOU KNOW

n Citrus County commissioners will meet Tuesday on the first floor of the courthouse. The meeting will begin at 1 p.m., with discussion of the transfer station set for 2:45 p.m.

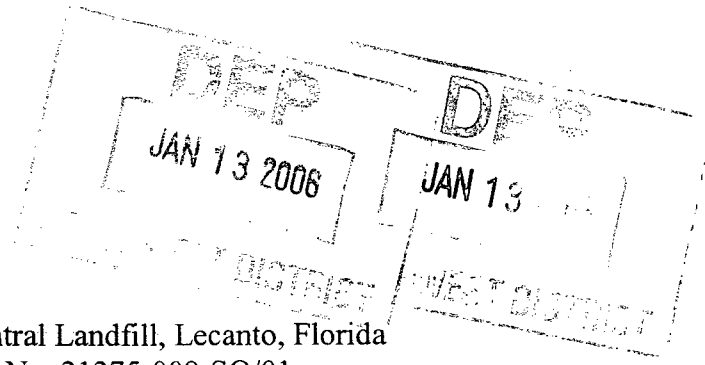
Thank you,  
Sandra Lynch  
Administrative Assistant  
Director's Office  
813-744-6100, SC 512-1042, ext. 351  
FAX - 813-744-6084  
[Sandra.Lynch@dep.state.fl.us](mailto:Sandra.Lynch@dep.state.fl.us)

**SCS ENGINEERS**

January 12, 2006

File No. 09204067.03

Ms. Susan Pelz, P.E.  
FDEP Southwest District  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637



Subject: Citrus County Central Landfill, Lecanto, Florida  
Operations Permit No. 21375-008-SO/01  
Remaining Site Life Calculation for Phases 1, 1A and 2

Dear Ms. Pelz:

On behalf of Citrus County Solid Waste Management Division, SCS Engineers (SCS) has calculated the remaining site life for the Phase 1, 1A and 2 areas of the Central Landfill in accordance with Specific Condition C13. f. of the current permit. SCS estimated the remaining air space through Phase 2 as of October 14, 2005 and used projections of future waste receipts to predict the remaining disposal capacity as described below.

SCS calculated the remaining air space volume by comparing the final design contours of Phases 1, 1A and 2 to an aerial topographic map of the same area provided by Kucera International, Inc (Kucera) dated October 14, 2005. The final contours through Phase 2 used for these calculations are based on the proposed final closure design submitted to the Department this week. SCS assumed that the waste will be filled up to final capacity and allowed to settle before placing the cover soil. Hence, no final cover soil subtractions were made in the calculations. The difference between the two surfaces is the approximate total remaining air space available for refuse disposal. The estimated remaining air space volume through Phase 2 as of October 14, 2005 was 1,426,200 cubic yards (CY). Attachment 1 shows SCS' volume calculations.

As shown in the calculations given in Attachment 2, SCS estimated the effective waste density by comparing waste tonnage information supplied by the County with the landfill volume consumed for the same period of time. This resulted in an estimated effective density of 1,406 pounds per cubic yard (lbs/cy). This translates to an airspace utilization rate of 1.42 cubic yards per ton of waste received. SCS projected future waste generation rates based on the historic waste generation rate and the median population projections from the Bureau of Business and Economic Research (BBER). The projected tonnage for each year is multiplied by the utilization rate to calculate the volume of airspace consumed. The attached calculations indicate the Phase 2 area has an estimated life to December 2015.



Ms. Susan Pelz, P.E.

January 12, 2006

Page 2

Please call either of us if you have any questions or comments regarding this report.

Sincerely,

A handwritten signature in dark ink, appearing to read "John A. Banks". Below the signature, the date "1-12-06" is handwritten.

John A. Banks, P.E.

Project Director

A handwritten signature in dark ink, appearing to read "Raymond J. Dever".

Raymond J. Dever, P.E., DEE

Vice President

SCS ENGINEERS

JAB/RJD:sj

Attachment

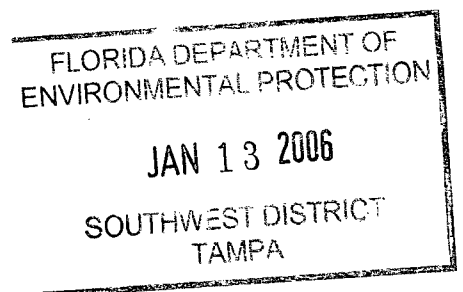
cc: Susan J. Metcalfe, P.G.

**ATTACHMENT 1**

**SCS VOLUME CALCULATIONS**

**ATTACHMENT 2**

**SCS ENGINEERS' SITE LIFE CALCULATIONS**



## SCS ENGINEERS

Sheet

1

of

2

Client Citrus County		Project Central Landfill, Florida		Job No. 9204067.13				
Subject Remaining site life calculations for Phase 2				By sowjanya	Date 21-Dec-05			
				Checked <i>CS</i>	Date <i>10/12/06</i>			
<b>Incoming Tonnage Summary</b> (April '05 - Sept '05 <sup>(1)</sup> & 10/01/05 -10/14/05 <sup>(2)</sup> )								
Material	April '05	May '05	June '05	July '05	Aug '05	Sep '05	10/01/05 -10/14/05	TOTAL
Scale Weight Garbage	8319.56	7849.28	8600.9	7920.51	8430.42	7551.47		48,672
Flat Free Garbage	398.84	327.08	344	376.98	363.7	363.54		2,174
Dried Sludge	135.84	102.1	70.74	108.01	71.13	73.99	13.46	575
Free Garbage	196.37	165.07	198.28	192.11	181.94	166.72	93.34	1,194
FLTrash							141	141
WTrash							3608.9	3,609
Other	8.52	3.74	6.86	3.02	5.58	4.53	0.72	33
								<div style="border: 1px solid black; display: inline-block; padding: 2px;">56,398</div> tons

Note:

(1) Source: Citrus County Waste Tonnage Record, April 2005 - September 2005 (See attachment -2)

(2) Tonnage information from 10/01/05 until 10/14/05 (See attachment -3)

(3) The following materials are excluded from tonnage calculations :

Yardwaste, Special Handle Waste, Electronics, Tires, A/C Freon Units, Scrap Metal, Tanks

Client Citrus County	Project Central Landfill, Florida	Job No. 9204067.13
Subject Remaining site life calculations for Phase 2	By sowjanya	Date 21-Dec-05
	Checked <i>JS</i>	Date <i>1-12-06</i>

**Objective:** Calculate remaining site life for Phase 2 using waste tonnage records from Citrus County and calculated waste generation projections.

**Approach:** Calculate "Effective Density" using volume consumed between April 2005 and October 2005

Airspace available from October 2005 to Final Grade = 1,426,200 CY (As per Final Buildout vs. 10/14/05 Survey)

Air volume consumed between 04/05/05 and 10/14/05 = 80,206 CY (As per 04/05/05 Survey vs. 10/14/05 Survey)

Effective Density calcs:

Waste disposed between 04/05/05 and 10/14/05 = 56,398 tons (per scalehouse records).

Effective density =  $\frac{56,398}{80,206}$  tons = 1,406 lbs/CY

Effective airspace consumption rate = 1.42 CY/ton

Assuming the waste will be filled up to the final capacity and allowed to settle before placing the cover soil

Cap volume = 0 CY

Subtract Cap Volume from air volume to determine useable waste volume for site life calculation

Waste Volume = 1,426,200 CY (as of 10/2005)

**SITE LIFE CALCULATION** (based on County waste tonnage records and population projections from University of Florida)

Year	Tonnage *	Volume Consumed (CY)	Net Remaining Airspace (CY)
2004-05	89,896		1,426,200 (approx. air volume remaining as of Oct. 2005)
2005-06	91,585	130,246	1,295,954
2006-07	93,275	132,650	1,163,304
2007-08	94,964	135,052	1,028,252
2008-09	96,653	137,454	890,798
2009-10	98,343	139,857	750,941
2010-11	99,977	142,181	608,760
2011-12	101,612	144,506	464,254
2012-13	103,246	146,830	317,424
2013-14	104,881	149,155	168,268
2014-15	106,515	151,479	16,789
2015-16	108,150	153,804	-137,015
2016-17	109,784	156,128	-293,143

\* Annual tonnage increase based on University of Florida medium population projections. (See attachment -1)

**CONCLUSION:**

2015-16 average monthly disposal rate = 12,817 CY/month

Number of months used in 2015-16 = 1.31 months

Approximate Fill Completion Date = 6-Dec, 2015

## SCS ENGINEERS

Sheet 1 of 2

Client Citrus County	Project Central Landfill, Florida	Job No. 09199056.13
Subject Waste Generation Projections	By Ram	Date 8-Apr-05
	Checked	Date

Objective: Calculate waste generation projections for Citrus County Landfill

## Assumptions

1. Population increase in the county based on University of Florida bureau of business and economic research statistics
2. No change in the current collection and recycling programs

Waste disposed in the landfill for 2004 ( for period 10/03 - 10/04)  
 Waste recycled in the county for calendar year 2004\*\*\*

Total landfill waste stream in 2004

Percentage of waste stream that is disposed in the landfill

Population in the county for 2004

Per capita total landfill waste generation rate for the county for 2004

88,146 tons (As per Citrus County waste tonnage report)  
 46,994 tons (Does not include Yard Waste, Tires & Scrap metal)  
 135,140  
 65.23  
 128,352 UF bureau of business and economic research  
 1.05 tons/person/year

Year	Population projections*			Waste generation projections (tons)			Waste disposed in the landfill (tons)		
	Low	Medium	High	Low	Medium	High	Low	Medium	High
** 2005	124,400	130,900	137,500	137,979	137,823	144,772	85,432	89,896	94,428
2006	125,380	133,360	141,600	132,011	140,413	149,089	86,105	91,585	97,244
2007	126,360	135,820	145,700	133,043	143,003	153,405	86,778	93,275	100,060
2008	127,340	138,280	149,800	134,074	145,593	157,722	87,451	94,964	102,875
2009	128,320	140,740	153,900	135,106	148,183	162,039	88,124	96,653	105,691
** 2010	129,300	143,200	158,000	136,138	150,773	166,356	88,797	98,343	108,507
2011	129,980	145,580	162,320	136,854	153,279	170,904	89,264	99,977	111,474
2012	130,660	147,960	166,640	137,570	155,785	175,453	89,731	101,612	114,440
2013	131,340	150,340	170,960	138,286	158,291	180,001	90,198	103,246	117,407
2014	132,020	152,720	175,280	139,002	160,797	184,550	90,665	104,881	120,374
** 2015	132,700	155,100	179,600	139,718	163,303	189,098	91,132	106,515	123,341
2016	133,140	157,480	184,160	140,181	165,808	193,899	91,434	108,150	126,472
2017	133,580	159,860	188,720	140,644	168,314	198,701	91,736	109,784	129,604
2018	134,020	162,240	193,280	141,108	170,820	203,502	92,039	111,419	132,735
2019	134,460	164,620	197,840	141,571	173,326	208,303	92,341	113,053	135,867
** 2020	134,900	167,000	202,400	142,034	175,832	213,104	92,643	114,688	138,999
2021	135,060	169,240	207,140	142,203	178,190	218,095	92,753	116,226	142,254
2022	135,220	171,480	211,880	142,371	180,549	223,085	92,863	117,764	145,509
2023	135,380	173,720	216,620	142,540	182,907	228,076	92,972	119,303	148,764
2024	135,540	175,960	221,360	142,708	185,266	233,067	93,082	120,841	152,019
** 2025	135,700	178,200	226,100	142,877	187,624	238,057	93,192	122,379	155,275
2026	135,920	180,260	230,960	143,108	189,793	243,175	93,343	123,794	158,612
2027	136,140	182,320	235,820	143,340	191,962	248,292	93,494	125,209	161,950
2028	136,360	184,380	240,680	143,572	194,131	253,409	93,646	126,623	165,287
2029	136,580	186,440	245,540	143,803	196,300	258,526	93,797	128,038	168,625
** 2030	136,800	188,500	250,400	144,035	198,469	263,643	93,948	129,453	171,963

\* University of Florida bureau of business and economic research bulletin 138 projections of Florida population by county 2003-2030

\*\* UF bureau of business and economic research estimates projections in five year intervals that are highlighted in bold in the first column. A linear interpolation for increase in population was performed in between the two highlighted years.

\*\*\* Assume tonnage of waste recycled in 2004 is equal to tonnage of waste recycled in year 2003



FY 2005	# Transactions	% Transactions	Tons	% Tons	Net Revenues	% Revenues
→ Scale Weight Garbage	46,017	27.06%	96,243	82.11%	\$3,156,387.01	90.45%
→ Flat Fee Garbage	51,428	30.24%	4,066	3.47%	\$16,172.50	0.46%
→ Yardwaste	28,060	16.50%	10,079	8.60%	\$199,126.00	5.71%
→ Special Handle Waste	843	0.50%	177	0.15%	\$17,543.50	0.50%
→ Electronics	548	0.32%	30	0.03%	\$11,114.00	0.32%
→ Electronics Free	5,129	3.02%	116	0.10%	\$0.00	0.00%
→ Tires No Charge	2,139	1.26%	69	0.06%	\$0.00	0.00%
→ Tires Charge	605	0.36%	338	0.29%	\$28,872.10	0.83%
→ A/C, Freon Units	416	0.24%	29	0.03%	\$4,417.50	0.13%
→ A/C, Freon Units Free	2,525	1.48%	143	0.12%	\$0.00	0.00%
→ Dried Sludge	221	0.13%	1,210	1.03%	\$50,194.79	1.44%
→ Free Garbage	9,917	5.83%	2,084	1.78%	\$0.00	0.00%
→ Scrap Metal	11,634	6.84%	2,546	2.17%	\$0.00	0.00%
→ Other	9,492	5.58%	52	0.04%	\$4,390.20	0.13%
→ Tanks	110	0.06%	13	0.01%	\$1,429.79	0.04%
→ Tanks Free	957	0.56%	19	0.02%	\$0.00	0.00%
Monthly grand total	170,041		117,213.50		\$3,489,647.39	

Following materials are included for tonnage calcs (April, 2005 - Sept, 2005)

- 1) SCALE WEIGHT GARBAGE
- 2) FLAT FEE GARBAGE
- 3) DRIED SLUDGE
- 4) FREE GARBAGE
- 5) OTHER.

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	3,936	30.75%	7,584.55	84.84%	248,988.10	92.80%
Flat Fee Garbage	3,843	30.03%	280.58	3.14%	\$1,178.00	0.44%
Yardwaste	1,544	12.06%	603.45	6.75%	\$11,945.00	4.45%
Special Handle Waste	46	0.36%	1.60	0.02%	\$141.00	0.05%
Electronics	37	0.29%	2.18	0.02%	\$824.00	0.31%
Electronics Free	372	2.91%	8.40	0.09%	\$0.00	0.00%
Tires No Charge	139	1.09%	4.14	0.05%	\$0.00	0.00%
Tires Charge	29	0.23%	16.12	0.18%	\$1,384.57	0.52%
A/C, Freon Units	35	0.27%	2.35	0.03%	\$352.50	0.13%
A/C, Freon Units Free	201	1.57%	11.20	0.13%	\$0.00	0.00%
Dried Sludge	15	0.12%	82.05	0.92%	\$3,405.13	1.27%
Free Garbage	804	6.28%	173.95	1.95%	\$0.00	0.00%
Scrap Metal	899	7.02%	162.43	1.82%	\$0.00	0.00%
Other	755	5.90%	2.86	0.03%	\$60.00	0.02%
Tanks	5	0.04%	0.07	0.00%	\$17.50	0.01%
Tanks Free	139	1.09%	4.14	0.05%	\$0.00	0.00%
Gand total October 04	12,799		8,940.07		\$268,295.80	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	4,019	28.61%	7,700.64	83.09%	254,209.68	91.55%
Flat Fee Garbage	4,106	29.23%	307.78	3.32%	\$1,302.50	0.47%
Yardwaste	2,269	16.15%	768.00	8.29%	\$15,210.80	5.48%
Special Handle Waste	55	0.39%	6.80	0.07%	\$602.40	0.22%
Electronics	43	0.31%	2.58	0.03%	\$920.00	0.33%
Electronics Free	400	2.85%	8.95	0.10%	\$0.00	0.00%
Tires No Charge	162	1.15%	4.65	0.05%	\$0.00	0.00%
Tires Charge	32	0.23%	11.18	0.12%	\$939.79	0.34%
A/C, Freon Units	36	0.26%	2.50	0.03%	\$375.00	0.14%
A/C, Freon Units Free	215	1.53%	11.70	0.13%	\$0.00	0.00%
Dried Sludge	13	0.09%	72.23	0.78%	\$2,997.58	1.08%
Free Garbage	780	5.55%	173.96	1.88%	\$0.00	0.00%
Scrap Metal	956	6.81%	178.08	1.92%	\$0.00	0.00%
Other	768	5.47%	2.92	0.03%	\$180.00	0.06%
Tanks	32	0.23%	11.18	0.12%	\$939.79	0.34%
Tanks Free	162	1.15%	4.65	0.05%	\$0.00	0.00%
Gand total November 04	14,048		9,267.79		\$277,677.54	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	3,748	29.03%	7,790.08	84.33%	255,402.15	92.53%
Flat Fee Garbage	4,140	32.07%	314.98	3.41%	\$1,344.50	0.49%
Yardwaste	1,654	12.81%	594.72	6.44%	\$11,806.40	4.28%
Special Handle Waste	59	0.46%	10.11	0.11%	\$913.00	0.33%
Electronics	53	0.41%	2.71	0.03%	\$1,054.00	0.38%
Electronics Free	453	3.51%	10.28	0.11%	\$0.00	0.00%
Tires No Charge	125	0.97%	3.59	0.04%	\$0.00	0.00%
Tires Charge	37	0.29%	23.15	0.25%	\$1,932.31	0.70%
A/C, Freon Units	39	0.30%	2.85	0.03%	\$427.50	0.15%
A/C, Freon Units Free	192	1.49%	11.00	0.12%	\$0.00	0.00%
Dried Sludge	14	0.11%	75.11	0.81%	\$3,117.10	1.13%
Free Garbage	727	5.63%	149.68	1.62%	\$0.00	0.00%
Scrap Metal	902	6.99%	245.59	2.66%	\$0.00	0.00%
Other	722	5.59%	2.67	0.03%	\$5.20	0.00%
Tanks	4	0.03%	0.09	0.00%	\$22.50	0.01%
Tanks Free	40	0.31%	0.58	0.01%	\$0.00	0.00%
Gand total December 04	12,909		9,237.19		\$276,024.66	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	4,054	28.90%	8,031.79	83.14%	261,694.75	90.65%
Flat Fee Garbage	4,239	30.22%	327.00	3.38%	\$1,377.50	0.48%
Yardwaste	2,233	15.92%	742.62	7.69%	\$14,634.80	5.07%
Special Handle Waste	53	0.38%	3.96	0.04%	\$351.50	0.12%
Electronics	50	0.36%	3.22	0.03%	\$1,180.00	0.41%
Electronics Free	416	2.97%	9.30	0.10%	\$0.00	0.00%
Tires No Charge	174	1.24%	5.83	0.06%	\$0.00	0.00%
Tires Charge	57	0.41%	34.52	0.36%	\$2,891.73	1.00%
A/C, Freon Units	34	0.24%	2.20	0.02%	\$330.00	0.11%
A/C, Freon Units Free	214	1.53%	12.10	0.13%	\$0.00	0.00%
Dried Sludge	28	0.20%	145.68	1.51%	\$6,045.77	2.09%
Free Garbage	784	5.59%	161.36	1.67%	\$0.00	0.00%
Scrap Metal	949	6.77%	176.54	1.83%	\$0.00	0.00%
Other	662	4.72%	3.06	0.03%	\$120.00	0.04%
Tanks	11	0.08%	0.24	0.00%	\$60.00	0.02%
Tanks Free	70	0.50%	1.14	0.01%	\$0.00	0.00%
Gand total January 05	14,028		9,660.56		\$288,686.05	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	3,842	28.22%	7,464.07	82.96%	\$245,916.45	90.40%
Flat Fee Garbage	4,010	29.45%	365.80	3.40%	\$1,219.50	0.45%
Yardwaste	2,195	16.12%	660.56	7.34%	\$13,043.80	4.79%
Special Handle Waste	62	0.53%	2.88	0.03%	\$1,642.20	0.60%
Electronics	49	0.36%	2.81	0.03%	\$946.00	0.35%
Electronics Free	406	2.98%	9.41	0.10%	\$0.00	0.00%
Tires No Charge	189	1.39%	7.12	0.08%	\$0.00	0.00%
Tires Charge	55	0.40%	30.26	0.34%	\$2,518.33	0.93%
A/C, Freon Units	28	0.21%	2.00	0.02%	\$300.00	0.11%
A/C, Freon Units Free	166	1.22%	9.73	0.11%	\$0.00	0.00%
Dried Sludge	25	0.18%	147.98	1.64%	\$6,141.21	2.26%
Free Garbage	750	5.51%	139.18	1.55%	\$0.00	0.00%
Scrap Metal	957	7.03%	209.61	2.33%	\$0.00	0.00%
Other	799	5.87%	4.90	0.05%	\$240.00	0.09%
Tanks	10	0.07%	0.23	0.00%	\$75.00	0.03%
Tanks Free	62	0.46%	0.87	0.01%	\$0.00	0.00%
Gand total February	13,605		8,997.43		\$272,042.49	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	4,220	26.94%	9,000.18	81.84%	\$293,594.75	90.01%
Flat Fee Garbage	4,605	29.40%	355.92	3.24%	\$1,406.50	0.43%
Yardwaste	2,812	17.95%	1,025.85	9.33%	\$20,249.00	6.21%
Special Handle Waste	108	0.69%	4.79	0.04%	\$436.60	0.13%
Electronics	41	0.26%	1.71	0.02%	\$642.00	0.20%
Electronics Free	424	2.71%	10.18	0.09%	\$0.00	0.00%
Tires No Charge	225	1.44%	7.49	0.07%	\$0.00	0.00%
Tires Charge	57	0.36%	34.22	0.31%	\$2,837.95	0.87%
A/C, Freon Units	41	0.26%	3.90	0.04%	\$585.00	0.18%
A/C, Freon Units Free	213	1.36%	12.20	0.11%	\$0.00	0.00%
Dried Sludge	20	0.13%	124.64	1.13%	\$5,172.63	1.59%
Free Garbage	854	5.45%	184.95	1.68%	\$0.00	0.00%
Scrap Metal	1,095	6.99%	226.86	2.06%	\$0.00	0.00%
Other	867	5.53%	3.68	0.03%	\$1,200.00	0.37%
Tanks	4	0.03%	0.19	0.00%	\$60.00	0.02%
Tanks Free	79	0.50%	1.15	0.01%	\$0.00	0.00%
Gand total March 05	15,665		10,997.91		\$326,184.43	

# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
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✓ Scale Weight Garbage	3,918	23.08%	8,319.56	78.98%	\$272,842.85	86.93%
✓ Flat Fee Garbage	4,986	29.37%	398.84	3.79%	\$1,840.00	0.59%
Yardwaste	3,261	19.21%	1,059.18	10.05%	20,866	6.65%
Special Handle Waste	112	0.66%	94.06	0.89%	\$8,582.60	2.73%
Electronics	58	0.34%	2.97	0.03%	\$1,134.00	0.36%
Electronics Free	529	3.12%	11.95	0.11%	\$0.00	0.00%
Tires No Charge	259	1.53%	7.95	0.08%	\$0.00	0.00%
Tires Charge	71	0.42%	24.91	0.23%	\$2,091.75	0.67%
A/C, Freon Units	35	0.21%	2.20	0.02%	\$330.00	0.11%
A/C, Freon Units Free	239	1.41%	13.65	0.13%	\$0.00	0.00%
✓ Dried Sludge	27	0.16%	135.84	1.29%	\$5,637.46	1.80%
✓ Free Garbage	961	5.66%	196.37	1.86%	\$0.00	0.00%
✓ Scrap Metal	1,298	7.65%	256.85	2.44%	\$0.00	0.00%
Other	1,112	6.55%	8.52	0.08%	\$480.00	0.15%
Tanks	8	0.05%	0.27	0.00%	\$70.00	0.02%
Tanks Free	101	0.59%	1.64	0.02%	\$0.00	0.00%
Gand total April 05	16,975		10,533.85		\$313,874.46	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
✓ Scale Weight Garbage	3,670	25.79%	7,849.28	80.85%	\$258,517.79	89.48%
✓ Flat Fee Garbage	4,200	29.52%	327.08	3.37%	\$1,318.00	0.46%
Yardwaste	2,588	18.19%	922.96	9.51%	18,286	6.33%
Special Handle Waste	74	0.52%	19.17	0.20%	\$1,747.20	0.60%
Electronics	56	0.39%	2.55	0.03%	\$974.00	0.34%
Electronics Free	430	3.02%	9.86	0.10%	\$0.00	0.00%
Tires No Charge	212	1.49%	7.31	0.08%	\$0.00	0.00%
Tires Charge	65	0.46%	37.20	0.38%	\$3,253.22	1.13%
A/C, Freon Units	37	0.26%	2.40	0.02%	\$360.00	0.12%
A/C, Freon Units Free	203	1.43%	11.60	0.12%	\$0.00	0.00%
✓ Dried Sludge	20	0.14%	102.10	1.05%	\$4,237.18	1.47%
✓ Free Garbage	789	5.54%	165.07	1.70%	\$0.00	0.00%
✓ Scrap Metal	1,043	7.33%	246.38	2.54%	\$0.00	0.00%
Other	752	5.28%	3.74	0.04%	\$180.00	0.06%
Tanks	8	0.06%	0.16	0.00%	\$42.50	0.01%
Tanks Free	83	0.58%	1.33	0.01%	\$0.00	0.00%
Gand total May 05	14,230		9,708.18		\$288,915.49	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
✓ Scale Weight Garbage	3,857	26.46%	8,600.90	82.15%	\$280,467.74	91.10%
✓ Flat Fee Garbage	4,335	29.74%	344.00	3.29%	\$1,274.00	0.41%
Yardwaste	2,589	17.76%	983.71	9.40%	19,471	6.32%
Special Handle Waste	66	0.45%	9.28	0.09%	\$929.50	0.30%
Electronics	33	0.23%	1.64	0.02%	\$616.00	0.20%
Electronics Free	385	2.64%	8.29	0.08%	\$0.00	0.00%
Tires No Charge	176	1.21%	6.09	0.06%	\$0.00	0.00%
Tires Charge	49	0.34%	14.62	0.14%	\$1,221.26	0.40%
A/C, Freon Units	31	0.21%	2.00	0.02%	\$300.00	0.10%
A/C, Freon Units Free	223	1.53%	12.30	0.12%	\$0.00	0.00%
✓ Dried Sludge	13	0.09%	70.74	0.68%	\$2,935.75	0.95%
✓ Free Garbage	859	5.89%	198.28	1.89%	\$0.00	0.00%
✓ Scrap Metal	978	6.71%	209.56	2.00%	\$0.00	0.00%
Other	899	6.17%	6.86	0.07%	\$600.00	0.19%
Tanks	11	0.08%	0.26	0.00%	\$65.00	0.02%
Tanks Free	72	0.49%	1.14	0.01%	\$0.00	0.00%
Gand total June 05	14,576		10,469.66		\$307,879.85	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
✓ Scale Weight Garbage	3,592	25.56%	7,920.51	81.67%	\$261,075.77	90.81%
✓ Flat Fee Garbage	4,534	32.26%	376.98	3.89%	\$1,448.00	0.50%

Yardwaste	2,330	16.58%	871.45	8.99%	17,231	5.99%
Special Handle Waste	65	0.46%	7.16	0.07%	\$676.10	0.24%
Electronics	41	0.29%	2.30	0.02%	\$868.00	0.30%
Electronics Free	457	3.25%	10.44	0.11%	\$0.00	0.00%
Tires No Charge	192	1.37%	5.57	0.06%	\$0.00	0.00%
Tires Charge	32	0.23%	10.28	0.11%	\$903.46	0.31%
A/C, Freon Units	34	0.24%	2.30	0.02%	\$345.00	0.12%
A/C, Freon Units Free	245	1.74%	14.13	0.15%	\$0.00	0.00%
Dried Sludge	18	0.13%	108.01	1.11%	\$4,482.44	1.56%
Free Garbage	876	6.23%	192.11	1.98%	\$0.00	0.00%
Scrap Metal	922	6.56%	172.93	1.78%	\$0.00	0.00%
Other	658	4.68%	3.02	0.03%	\$420.00	0.15%
Tanks	7	0.05%	0.14	0.00%	\$35.00	0.01%
Tanks Free	52	0.37%	0.73	0.01%	\$0.00	0.00%
Gand total July 05	14,055		9,698.10		\$287,484.57	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	3,824	27.13%	8,430.42	81.85%	\$275,325.68	90.41%
Flat Fee Garbage	4,272	30.31%	363.70	3.53%	\$1,247.00	0.41%
Yardwaste	2,310	16.39%	937.14	9.10%	18,549	6.09%
Special Handle Waste	68	0.48%	8.15	0.08%	\$742.70	0.24%
Electronics	45	0.32%	2.21	0.02%	\$806.00	0.26%
Electronics Free	487	3.46%	11.05	0.11%	\$0.00	0.00%
Tires No Charge	148	1.05%	4.57	0.04%	\$0.00	0.00%
Tires Charge	54	0.38%	50.23	0.49%	\$4,183.72	1.37%
A/C, Freon Units	30	0.21%	1.85	0.02%	\$277.50	0.09%
A/C, Freon Units Free	200	1.42%	11.15	0.11%	\$0.00	0.00%
Dried Sludge	13	0.09%	71.13	0.69%	\$2,951.92	0.97%
Free Garbage	915	6.49%	181.94	1.77%	\$0.00	0.00%
Scrap Metal	850	6.03%	220.15	2.14%	\$0.00	0.00%
Other	818	5.80%	5.58	0.05%	\$420.00	0.14%
Tanks	4	0.03%	0.07	0.00%	\$17.50	0.01%
Tanks Free	57	0.40%	0.94	0.01%	\$0.00	0.00%
Gand total August 05	14,095		10,300.28		\$304,521.42	

	# Loads	% Loads	Tons	% Tons	Net Revenues	% Revenues
Scale Weight Garbage	3,337	25.56%	7,551.47	80.31%	\$248,351.30	89.32%
Flat Fee Garbage	4,158	31.85%	363.54	3.87%	\$1,217.00	0.44%
Yardwaste	2,275	17.42%	908.92	9.67%	\$17,834.00	6.41%
Special Handle Waste	75	0.57%	8.67	0.09%	\$778.70	0.28%
Electronics	42	0.32%	3.01	0.03%	\$1,150.00	0.41%
Electronics Free	370	2.83%	7.82	0.08%	\$0.00	0.00%
Tires No Charge	138	1.06%	4.37	0.05%	\$0.00	0.00%
Tires Charge	67	0.51%	52.38	0.56%	\$4,714.01	1.70%
A/C, Freon Units	36	0.28%	2.90	0.03%	\$435.00	0.16%
A/C, Freon Units Free	214	1.64%	12.55	0.13%	\$0.00	0.00%
Dried Sludge	15	0.11%	73.99	0.79%	\$3,070.62	1.10%
Free Garbage	818	6.27%	166.72	1.77%	\$0.00	0.00%
Scrap Metal	785	6.01%	240.87	2.56%	\$0.00	0.00%
Other	680	5.21%	4.53	0.05%	\$485.00	0.17%
Tanks	6	0.05%	0.10	0.00%	\$25.00	0.01%
Tanks Free	40	0.31%	0.69	0.01%	\$0.00	0.00%
Gand total September 05	13,056		9,402.52		\$278,060.63	



## Auto scale Material Summary Report

10/25/2005

From: 10/01/2005 To: 10/14/2005

Category	Product	Name	# Transaction	% Transactions	Weight	% Weight	Conv	Material Rev % Revenues
Elect	670np	Free TVs or Computer Monitors Non-Profits	5	3.01%	0.10	0.02		\$0.00
Elect	671F	1 FREE TV OR COMPUTER MONITOR	94	56.63%	1.88	0.02		\$0.00
Elect	672F	2 FREE TV'S OR COMPUTER MONITO	36	21.69%	1.44	0.04		\$0.00
Elect	680NP	1 OTHER ELECTRONIC ITEM	1	0.60%	0.01	0.01		\$0.00
Elect	681F	1 FREE OTHER ELECTRONIC ITEM	10	6.02%	0.10	0.01		\$0.00
Elect	682F	2 FREE OTHER ELECTRONIC ITEMS	8	4.82%	0.16	0.02		\$0.00
Elect	683F	3 FREE OTHER ELECTRONIC ITEMS	1	0.60%	0.03	0.03		\$0.00
Elect	684F	4 FREE OTHER ELECTRONIC ITEMS	11	6.63%	0.44	0.04		\$0.00
			166		4.16			\$0.00
Ffion	4+1F	ONE FRIION FREE	85	80.19%	4.25	0.05		\$0.00
Ffion	4+2F	TWO FRIION FREE	20	18.87%	2.00	0.10		\$0.00
Ffion	4+NP	Free Frieon units for Non-Profits	1	0.94%	0.05	0.05		\$0.00
			106		6.30			\$0.00
Ffiras	51	30 GAL BAGS OR EQUIVALENT	56	3.45%	1.12	0.02		\$0.00
Ffiras	52	30 GAL BAGS OR EQUIVALENT	99	6.10%	3.96	0.04		\$0.00
Ffiras	53	30 GAL BAGS OR EQUIVALENT	45	2.77%	2.70	0.06		\$0.00
Ffiras	54	30 GAL BAGS OR EQUIVALENT	996	61.37%	79.68	0.08		\$0.00
Ffiras	55	30 GAL BAGS OR EQUIVALENT	104	6.41%	10.40	0.10		\$52.00
Ffiras	56	30 GAL BAGS OR EQUIVALENT	215	13.25%	25.80	0.12		\$215.00
Ffiras	57	30 GAL BAGS OR EQUIVALENT	24	1.48%	3.36	0.14		\$36.00
Ffiras	58	30 GAL BAGS OR EQUIVALENT	59	3.64%	9.44	0.16		\$118.00
Ffiras	59	30 GAL BAGS OR EQUIVALENT	25	1.54%	4.50	0.18		\$62.50
			1,623		140.96			\$483.50
Ffmetal	4	FREE SCRAP METAL	265	91.70%	0.00	0.00		\$0.00
Ffmetal	400	SCALE WHITE GOODS	14	4.84%	0.00	0.00		\$0.00
Ffmetal	40R	SCRAPMETAL RECYCLING	10	3.46%	108.52	1.00		\$0.00
			289		108.52			\$0.00
Ffanks	801F	ONE FREE PROPANE TANK <30LB	10	76.92%	0.10	0.01		\$0.00
Ffanks	802F	TWO FREE PROPANE TANKS <30LB	2	15.38%	0.04	0.02		\$0.00
Ffanks	811F	ONE FREE PROPANE TANK >30LB	1	7.69%	0.03	0.03		\$0.00
			13		0.17			\$0.00
Ffures	10F	FREE SCALE TIRES	2	5.88%	1.26	1.00		\$0.00
Ffures	1C1F	ONE CAR TIRE FREE	8	23.53%	0.08	0.01		\$0.00
Ffures	1C2F	TWO CAR TIRE FREE	8	23.53%	0.16	0.02		\$0.00
Ffures	1C3F	THREE CAR TIRES FREE	4	11.76%	0.12	0.03		\$0.00
Ffures	1C4F	FOUR CAR TIRES FREE	5	14.71%	0.20	0.04		\$0.00
Ffures	1C5F	FIVE CAR TIRES FREE	6	17.65%	0.30	0.05		\$0.00
Ffures	1CNP	FREE TIRE NON-PROFIT	1	2.94%	0.01	0.01		\$0.00
			34		2.13			\$0.00
Fftrash	60F	FREE TRASH TO ROLLOFFS	326	94.49%	48.90	0.15		\$0.00
Fftrash	90F	FREE GARBAGE CLASS 1 CELL	14	4.06%	31.09	1.00		\$0.00
Fftrash	90R	RECYCLING TRASH TO CELL	5	1.45%	13.35	1.00		\$0.00
			345		93.34			\$0.00
OTHER	201	ONE 30-YARD BOX PULLED	3	1.26%	0.00	0.00		\$0.00
OTHER	202	TWO 30-YARD BOX PULLS	1	0.42%	0.00	0.00		\$0.00
								0.00%
								0.00%

Following materials are  
included for month of  
Oct 10/01/05 - 10/14/05

1) FLTRASH

2) OTHER

3) DRIED SLUDGE (SLUDGE)

4) WTRASH

5) FTRASH (FREE GARBAGE)

ATTACHMENT - 3

OTHER	203	THREE 30-YARD BOX PULLS	1	0.42%	0.00	0.00	\$0.00	0.00%
OTHER	204	FOUR 30-YARD BOX PULLS	1	0.42%	0.00	0.00	\$0.00	0.00%
OTHER	205	FIVE 30-YARD BOX PULLS	3	1.26%	0.00	0.00	\$0.00	0.00%
OTHER	206	SIX 30-YARD BOX PULLS	1	0.42%	0.00	0.00	\$0.00	0.00%
OTHER	207	SEVEN 30-YARD BOX PULLS	2	0.84%	0.00	0.00	\$0.00	0.00%
OTHER	208	EIGHT 30-YARD BOX PULLS	10	4.20%	0.00	0.00	\$0.00	0.00%
OTHER	950	Duplicate Ticket Charge	4	1.68%	0.00	0.00	\$8.00	11.76%
OTHER	HW	HAZARDOUS WASTE MATERIAL	36	15.13%	0.72	0.02	\$0.00	0.00%
OTHER	R	THANKS FOR RECYCLING	75	31.51%	0.00	0.00	\$0.00	0.00%
OTHER	RRR	RECYCLING WEIGHT ONLY	74	31.09%	0.00	0.00	\$0.00	0.00%
OTHER	SKP	VEHICLE SKIPPED OUT	3	1.26%	0.00	0.00	\$0.00	0.00%
OTHER	V	VISITOR PASS	23	9.66%	0.00	0.00	\$0.00	0.00%
OTHER	WRC	WASTE RELOCATION CHARGE	1	0.42%	0.00	0.00	\$60.00	88.24%
			<u>238</u>				<u>\$68.00</u>	
Pelct	671	1 TV OR COMPUTER MONITOR	9	39.13%	0.18	0.02	\$72.00	16.07%
Pelct	672	2 TV'S OR COMPUTER MONITO	2	8.70%	0.08	0.04	\$24.00	7.14%
Pelct	673	3 TV'S OR COMPUTER MONITO	1	4.35%	0.06	0.06	\$24.00	5.36%
Pelct	674	4 TV'S OR COMPUTER MONITO	2	8.70%	0.16	0.08	\$64.00	14.29%
Pelct	675	5 TV'S OR COMPUTER MONITO	1	4.35%	0.10	0.10	\$40.00	8.93%
Pelct	676	6 TV'S OR COMPUTER MONITO	2	8.70%	0.24	0.12	\$96.00	21.43%
Pelct	678	8 TV'S OR COMPUTER MONITO	1	4.35%	0.16	0.16	\$64.00	14.29%
Pelct	681	1 OTHER ELECTRONIC ITEM	1	4.35%	0.01	0.01	\$2.00	0.45%
Pelct	682	2 OTHER ELECTRONIC ITEMS	1	4.35%	0.02	0.02	\$4.00	0.89%
Pelct	688	8 OTHER ELECTRONIC ITEMS	2	8.70%	0.16	0.08	\$32.00	7.14%
Pelct	689	9 OTHER ELECTRONIC ITEMS	1	4.35%	0.09	0.09	\$18.00	4.02%
			<u>23</u>				<u>\$448.00</u>	
Pfreon	4+1	ONE FREON CONTAINER	12	70.59%	0.60	0.05	\$90.00	48.00%
Pfreon	4+2	TWO FREON CONTAINERS	3	17.65%	0.30	0.10	\$45.00	24.00%
Pfreon	4+3	THREE FREON CONTAINERS	1	5.88%	0.15	0.15	\$22.50	12.00%
Pfreon	4+4	FOUR FREON UNITS	1	5.88%	0.20	0.20	\$30.00	16.00%
			<u>17</u>				<u>\$187.50</u>	
Pires	100	SCALE WEIGHT TIRES	7	70.00%	4.95	1.00	\$408.39	96.69%
Pires	1C4	FOUR CAR TIRES	1	10.00%	0.04	0.04	\$4.00	0.95%
Pires	1C5	FIVE CAR TIRES	2	20.00%	0.10	0.05	\$10.00	2.37%
			<u>10</u>				<u>\$422.39</u>	
SLUDGE	DRY	UTILITIES DRIED SLUDGE	2	100.00%	13.46	1.00	\$558.59	100.00%
			<u>2</u>				<u>\$558.59</u>	
SPHAWA	551	4' OR 8' FLUORESCENT BULBS	2	8.00%	0.01	0.01	\$6.40	5.50%
SPHAWA	551F	FREE 4' OR 8' FLUORESCENT BULBS	17	68.00%	0.09	0.01	\$0.00	0.00%
SPHAWA	602R	Outbound Electronics for Recycling	3	12.00%	0.00	0.00	\$0.00	0.00%
SPHAWA	SHW	SPECIAL HANDLE WASTE	3	12.00%	0.00	1.00	\$109.90	94.50%
			<u>25</u>				<u>\$116.30</u>	
Wtrash	600	RECYCLE ALLEY SCALE TRASH	759	41.00%	237.16	1.00	\$7,117.50	5.97%
Wtrash	600NP	NON PROFIT R/A SCALE TRASH FREE	6	0.32%	1.44	1.00	\$0.00	0.00%
Wtrash	600U	UNCOVERED RECYCLE ALLEY SCALE TRASH	536	28.96%	104.73	1.00	\$4,195.60	3.52%
Wtrash	900	GARBAGE TO CLASS 1 CELL	389	21.02%	2,876.79	1.00	\$86,303.70	72.37%
Wtrash	900X	GARBAGE TO OLD CELL	1	0.05%	9.40	1.00	\$282.00	0.24%
Wtrash	920	ROLL-OFF FROM UNINCORPORATED	50	2.70%	193.81	1.00	\$11,628.60	9.75%
Wtrash	920X	ROLL-OFF FROM UNINCORPORATED TO OLD CELL	20	1.08%	63.79	1.00	\$3,827.40	3.21%
Wtrash	925	ROLL-OFF FROM CITIES	15	0.81%	66.08	1.00	\$2,973.60	2.49%
Wtrash	925X	ROLL-OFF FROM CITIES TO OLD CELL	3	0.16%	20.72	1.00	\$932.40	0.78%
Wtrash	945	MUNICIPAL RATE@ 45.00 a Ton	1	0.05%	8.49	1.00	\$382.05	0.32%
Wtrash	945	NOT CERTIFIED OR ASSESSED	63	3.40%	26.06	1.00	\$1,563.60	1.31%
Wtrash	9NCU	UNCOVERED NOT CERTIFIED OR ASSESSED	1	0.05%	0.36	1.00	\$25.20	0.02%
Wtrash	HWK	RESIDENTIAL HW. CHARGED	7	0.38%	0.07	0.01	\$15.90	0.01%
			<u>1,851</u>				<u>\$119,247.55</u>	
YARDWA	300	SCALE YARD WASTE	582	60.88%	350.34	1.00	\$7,008.80	80.55%
YARDWA	300U	UNCOVERED SCALE YARD WASTE	176	18.41%	55.63	1.00	\$1,669.10	19.18%
YARDWA	30R	MULCH RECYCLING	105	10.98%	0.00	0.00	\$0.00	0.00%
YARDWA	31	1 Bag Yard Waste	3	0.31%	0.03	0.01	\$0.00	0.00%
YARDWA	32	Two Bags Yard Waste	9	0.94%	0.18	0.02	\$0.00	0.00%
YARDWA	33	Three Bags Yard Waste	5	0.52%	0.15	0.03	\$0.00	0.00%
YARDWA	34	Four Bags Yard Waste	49	5.13%	1.96	0.04	\$0.00	0.00%
YARDWA	35	Five Bags Yard Waste	2	0.21%	0.10	0.05	\$0.40	0.00%
YARDWA	36	Six Bags Yard Waste	4	0.42%	0.24	0.06	\$1.60	0.02%
YARDWA	38	Eight Bags Yard Waste	1	0.10%	0.08	0.08	\$0.80	0.01%
YARDWA	39	Nine Bags Yard Waste	20	2.09%	1.80	0.09	\$20.00	0.23%
			<u>956</u>				<u>\$8,700.70</u>	
			<u>5,698</u>				<u>\$130,232.53</u>	

# KUCERA INTERNATIONAL INC.

GEOGRAPHIC INFORMATION PROFESSIONALS / PHOTOGRAMMETRISTS

## KUCERA SOUTH

a wholly owned subsidiary of Kucera International, Inc.

Certificated of Authorization Number 6643

2215 South Florida Avenue  
Lakeland, Florida 33803-7226

### REPORT OF TOPOGRAPHIC MAP SURVEY OF LANDS IN THE SE 1/4 OF SECTION 1-TWP19 SOUTH-RNG18 EAST, Tallahassee Meridian IN CITRUS COUNTY FLORIDA

Known as Citrus County Central Landfill

Our Project No. 35813-Date of Photography October 14, 2005

#### Ground Surveys and Custodianship

Ground surveys for mapping were performed by Citrus County, Division of Engineering, Survey Section Lecanto, Florida, under the direct supervision of Mr. Patrick L. Henson, PLS No. 4547. Elevations shown hereon are based on N.G.V.D. of 1929, D.O.T. B.M. No. 54, EL = 115.05.

This topographic map and report is not valid without the signature and original seal of a Florida licensed surveyor and mapper which can be found at the end of this report. The map and report are not full and complete without the other.

#### ACCURACY

Horizontal and vertical ground surveys meet minimum relative accuracy for photogrammetric topographic mapping at 1" = 100' with 1' contours.

Photogrammetric topographic mapping meets accuracy standards as classified in the Florida Minimum Technical Standards – Chapter 61G17-6.

#### LIMITATIONS

No ground surveys were obtained to check photogrammetric horizontal and vertical accuracy's. However, if future ground surveys reveal an accuracy error greater than Minimum Technical Standards the photogrammetrist will remap the area of concern and resubmit approved mapping with appropriate report and notes.

Planimetric features and vertical data that is obscured from the stereo operators view due to heavy brush, long grass, tree cover or other physical features are to be considered horizontally and vertically indefinite and further ground surveys must be taken to bring these features to an accuracy that meets Minimum Technical Standards.

Plc 09204067, 03  
2005 Oct. Survey

DEC

JAN 13 2006

WEST DIST

Corporate Headquarters  
38133 Western Parkway  
Willoughby, OH 44094-7589

(440) 975-4230  
Fax (440) 975-4238  
map@kucerainternational.com  
http://www.kucera-gis.com

Kucera South  
2215 South Florida Avenue  
Lakeland, FL 33803-7226

(863) 686-8640  
Fax (863) 688-9594  
kucera2@gte.net

Kucera West  
Suite 215

11049 W. 44th Avenue  
Wheat Ridge, CO 80033-2554

(303) 456-1820  
Fax (303) 456-1821  
kucera2@aol.com

Henderson Aerial Surveys  
3889 Grove City Road  
Grove City, OH 43123-9193

(614) 539-3925  
Fax (614) 539-3928  
hasmaps@cs.com

Keddal Aerial Mapping  
Suite 3100, 1121 Boyce Road  
Pittsburgh, PA 15241-3936

(724) 942-2881  
Fax (724) 942-2885  
kam@cobweb.net

Kucera Southeast  
225 Mackinley Circle  
Pawleys Island, SC 29585

(843) 357-8500  
Fax (843) 357-8599






Report of Topographic Map  
Our Project No. 35813  
October 14, 2005

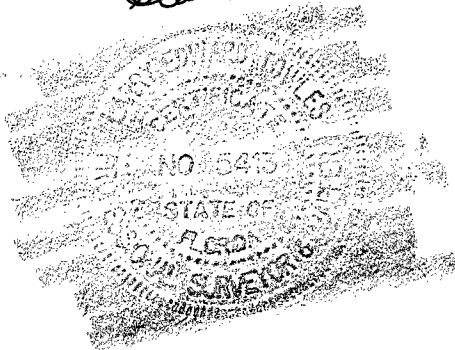
Prepared for:  
**SCS Engineers**  
3012 U.S. Hwy. 301 North  
Suite 700  
Tampa, Florida 33619

Survey and Mapper in Responsible Charge:  
Larry E. Towles  
KUCERA SOUTH  
Professional Surveyor and Mapper  
License Number LS5413

  
\_\_\_\_\_

Date Signed: 11-4-05

*Seal*

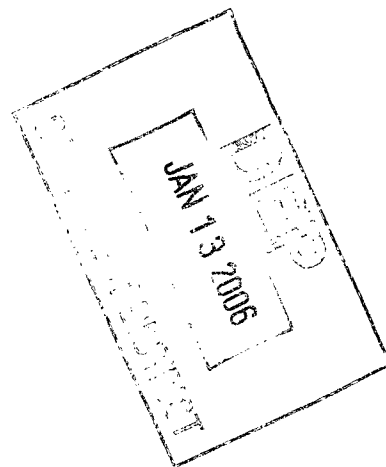


**SCS ENGINEERS**

January 13, 2006  
File No. 09204067.02

Ms. Susan Pelz, P.E.  
Solid Waste Permitting  
Florida Department of Environmental Protection  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637

Subject: Citrus County Central Landfill  
Operations Permit No. 21375-008-SO/01  
Request for Intermediate Permit Modification



Dear Susan:

On behalf of Citrus County, SCS Engineers (SCS) is requesting an intermediate modification to the referenced operations permit in accordance with Specific Condition C.13. The modification is to revise the final build out plan and fill sequencing shown in the Operations Drawings, Attachment E-1 to the application. In support of this request, a check in the amount of \$5,000 and three sets of the following documents are being submitted:

1. Application Form
2. Revised Operations Drawings, Attachment E-1
3. Revised Slope Stability Analysis, Attachment J-1
4. Revised Closure and Long-term Cost Estimates, Attachment S-1


The revised drawings address stormwater drainage and slope stability issues that were thought to have been created when the fill sequencing of the Phase 1 and 1A area had to be revised due to the delay in opening Phase 2. The primary purpose for the modification at this time is due to the County's plan to not expand the landfill beyond the current limits of Phase 2.

Please call us if you have any questions related to this issue.

Very truly yours,

  
John A. Banks, P.E.  
Project Director  
SCS ENGINEERS

cc: Susan J. Metcalfe, P.G., Citrus County

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



*Susan*

**Southwest District  
Permitting Application**

New Site

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

Existing Site

Site ID:	21375-004	
Project Name:	CITRUS COUNTY COUNCIL CLASS I LF	
Type/Subcode:	SO/IM	
Fee submitted:	\$ 5000.00	<input checked="" type="checkbox"/> correct ( ) incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Applicant Information

Name:		SUSAN J. METCALFE	
Role:		APPLICANT	
Company:		CITRUS COUNTY BOCC	
Address:		P.O. BOX 340	
City:	LEICANTO	Zip Code:	34460
Phone:	(352) 527-7671		

Fee verified by: S. MORGAN

Application Assigned To: S. MORGAN Date: 1/18/06

Citrus Co LF  
Op Permit

**Pelz, Susan**

**From:** Pelz, Susan  
**Sent:** Thursday, January 12, 2006 9:33 AM  
**To:** 'Susan Metcalfe'  
**Cc:** Morris, John R.; Morgan, Steve; Watson, Stephanie M.  
**Subject:** RE: use of closed landfills

Susie,

Here's the link to our old landfill redevelopment guidance (look at the bottom of the page). As far as restrictions on purchasing the property, I'm not aware of solid waste restrictions other than those in the guidance & Rules 62-701.610(7) and 62-701.620, F.A.C.

[http://www.dep.state.fl.us/waste/categories/solid\\_waste/pages/beneficialuse.htm](http://www.dep.state.fl.us/waste/categories/solid_waste/pages/beneficialuse.htm)

I'll be starting at Polk on 1/30/06. I'm sure our paths will cross again. It's been a pleasure working with you.

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](mailto:susan.pelz@dep.state.fl.us)

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

**From:** Susan Metcalfe [<mailto:Susan.Metcalfe@bocc.citrus.fl.us>]  
**Sent:** Wednesday, January 11, 2006 4:20 PM  
**To:** Pelz, Susan  
**Subject:** use of closed landfills

Susan,

We have a request for use/purchase of a pre-1975 closed landfill property. I don't recall any FDEP restriction on that, but wanted to check if you have any reference to state rule or statute that limits use of old sites.  
Susie.

Hear you're going to Polk County - good luck. When does the move come?

Tracking:	Recipient	Read
	'Susan Metcalfe'	
	Morris, John R.	Read: 1/12/2006 12:16 PM
	Morgan, Steve	Read: 1/12/2006 1:07 PM
	Watson, Stephanie M.	Read: 1/12/2006 9:37 AM

**LARGE NUMBER  
OF MAPS  
SCANNED  
SEPARATELY**