

**Pelz, Susan**

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**From:** Pelz, Susan  
**Sent:** Wednesday, June 03, 2009 1:04 PM  
**To:** 'Cooper, Dan'; 'patty.jefferson@bocc.citrus.fl.us'  
**Cc:** Morgan, Steve  
**Subject:** FW: Citrus County Central Class I Landfill 7-Acre Re-Closure #21375-014-SF/01  
**Attachments:** Citrus Central Class I LF 7-Acre Re-closure 21375-014-SF-01 NOP dated 6-3-2009.pdf

Please find attached courtesy copy of the above-referenced permit.

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**From:** Brantley, Anna  
**Sent:** Wednesday, June 03, 2009 11:28 AM  
**To:** Hornbrook, Frank; Moore, Ronni; Commissioner Dennis Damato; Commissioner Gary Bartell; Commissioner Joe Meek; Commissioner John Thrumston; Commissioner Winn Webb; Eber E. Brown, Interim County Administrator; Representative Ron Schultz; Senator Charles Dean; Senator Mike Fasano  
**Cc:** Morris, John R.; Pelz, Susan; Morgan, Steve  
**Subject:** Citrus County Central Class I Landfill 7-Acre Re-Closure #21375-014-SF/01

Attached please find a copy of the permit for Citrus County Central Class I Landfill 7-Acre Re-Closure dated/mailed June 3, 2009

*Anna Brantley  
Administrative Assistant II  
FL DEP / SWD / Waste Managment  
13051 North Telecom Parkway  
Temple Terrace FL 33637-0629  
Tel: 813/632-7600, Ext. 377  
Fax: 813/632-7664  
[anna.brantley@dep.state.fl.us](mailto:anna.brantley@dep.state.fl.us)*

Brantley, Anna

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**To:** Hornbrook, Frank; Moore, Ronni; Commissioner Dennis Damato; Commissioner Gary Bartell; Commissioner Joe Meek; Commissioner John Thrumston; Commissioner Winn Webb; Eber E. Brown, Interim County Administrator; Representative Ron Schultz; Senator Charles Dean; Senator Mike Fasano  
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[anna.brantley@dep.state.fl.us](mailto:anna.brantley@dep.state.fl.us)

# Memorandum

## Florida Department of Environmental Protection

### PERMIT COVER MEMO

TO: Deborah A. Getzoff, District Director

FROM/THROUGH:

William Kutash

Susan Pelz, P.E.

Steve Morgan

ENVIRONMENTAL ADMINISTRATOR

SOLID WASTE MANAGER

SOLID WASTE PERMITTING

DATE: May 28, 2009

FILE NAME: Citrus County Central Class I LF  
7-Acre Re-closure Construction

PERMIT #: 21375-014-SF/01

PROGRAM : Solid Waste

COUNTY : Citrus

TYPE OF PERMIT ACTION: ISSUE FINAL PERMIT

PERMIT SUMMARY: This construction permit is to allow the re-closure of a previously closed lined 7-acre disposal area on the old 60-acre closed portion of the Citrus Central Solid Waste Management Facility.

PROFESSIONAL RECOMMENDATION: X APPROVE      DENY

EVALUATION SUMMARY: The closed 7-acre lined disposal area, previously closed in 1992, has settled over time causing ponding of stormwater on the top closure cap, requiring the County to apply several feet of additional cover. This permit will allow for the removal of excess soil, breaching of the existing geomembrane cap, and the re-grading and re-closure of the disposal cell with a new geomembrane cap to allow proper drainage of stormwater off the closed disposal area. The applicant has provided sufficient information to demonstrate compliance with Department Rules. The Intent to Issue was sent to the applicant on April 30, 2009. Proof of publication of the Notice of Proposed Agency Action was received on May 18, 2009. No third-party petitions have been filed.

TIH= 191; TTP=113 (to 5/28/09)		TTP
Application rec'd	11/18/08	
RAI #1 sent	12/18/08	30
RAI #1 response rec'd	02/05/09	
Application complete	02/05/09	
Intent to Issue sent to applicant	04/30/09	83
Proof of Publication rec'd	05/18/09	
Final permit routed for signature	05/28/09	

DAY 90/30 FOR THIS ACTION IS: ASAP Day 90=06/06/09



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

June 3, 2009

CERTIFIED MAIL #7008 0150 0003 4893 7568  
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

RE: Citrus County Central Class I Landfill 7-Acre Re-closure  
Pending Permit No.: 21375-014-SF/01, Citrus County  
WACS No.: SWD/09/39859

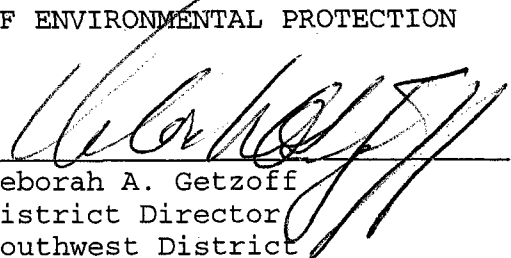
Dear Ms. Metcalfe:

Enclosed is permit number 21375-014-SF/01, issued pursuant to  
Section(s) 403.087(1), Florida Statutes.

Any party to this Order (permit) 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 this Notice is filed with the Clerk of the  
Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Deborah A. Getzoff  
District Director  
Southwest District

PERMITTEE: Citrus County Board of  
County Commissioners

PERMIT NO: 21375-014-SF/01  
Citrus County Central Class I Landfill

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed or transmitted electronically to the addressee and the listed persons before the close of business on June 3, 2009 to the listed persons.  
Clerk 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.

Ann Baldy 6/3/09  
Clerk Date

DAG/sgm

Enclosures

Copies furnished to:

Citrus County Elected Officials Notification  
Dan Cooper, P.E., SCS Engineers, [dcooper@SCSEngineers.com](mailto:dcooper@SCSEngineers.com)  
Patty Jefferson, Citrus County, [patty.jefferson@bocc.citrus.fl.us](mailto:patty.jefferson@bocc.citrus.fl.us)  
Frank Hornbrook, FDEP, Tallahassee (e-mail)  
Ronni Moore, OGC Tallahassee (e-mail)  
John Morris, P.G., FDEP Tampa (e-mail)  
Susan Pelz, P.E., FDEP Tampa (e-mail)



# Florida Department of Environmental Protection

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

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Michael W. Sole  
Secretary

## PERMITTEE

Citrus County Board of County  
Commissioners  
110 N. Apopka Avenue  
Inverness, FL 34450

## Attention:

Ms. Susan Metcalfe, P.G., Director  
Citrus County Public Works,  
Division of Solid Waste Mgmt.

## PERMIT/CERTIFICATION

WACS ID No: SWD/09/39859  
Permit No: **21375-014-SF/01**  
Date of Issue: **06/03/2009**  
Expiration Date: **06/03/2014**  
County: Citrus  
Lat/Long: 28°51'07"  
82°26'12"  
Sec/Town/Rge: 1/19S/18E  
Project: Citrus County Central  
7-Acre Closed Class I  
Landfill Re-closure  
Construction

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 referenced in Specific Condition #A.2., and made a part hereof and specifically described as follows:

To **construct** a final cover system for re-closure of a 7-acres portion of a closed Class I landfill, referred to as the **Citrus County Central 60-Acre Closed Class I 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 construction of a:

1. Final cover system
2. Passive gas venting and flare system within 7-acre lined landfill area

## General Information - 7-Acre Lined Closed Class I Disposal Area

Disposal acres	Approximate 7.0 acres
Bottom liner design & LCS design	Single, 60 mil PVC liner, sand drainage layer to 2 leachate collection risers
Bottom elevation of cell	Approximate +60.00 feet NGVD
Final top elevation at buildout (including cover)	max. +130.50 feet NGVD
Final Cover System	12" soil sub-base, 40-mil LLDPE, 24" protective soil layer
Slopes	max. 5H:1V side slopes, 3% top slope to 1% stormwater drainage swales

Replaces Permit No.: **New**

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

**GENERAL CONDITIONS:**

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

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

**GENERAL CONDITIONS:**

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

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

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

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

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

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

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

13. This permit also constitutes:

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



**GENERAL CONDITIONS:**

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 Closed Class I landfill and shall be constructed, operated, closed, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for construction of the 7-Acre Lined Closed Class I Re-closure and related systems (including final cover and passive gas venting and flare system) at the Citrus County Central Landfill in accordance with Department rules and the reports, plans and other information prepared by SCS Engineers (SCS) (unless otherwise specified) as follows:

a. Citrus County Central Closed Landfill [7-Acre] Re-Closure Closure Construction Permit (one 3-ring binder and plan set) dated and received November 18, 2008, as revised, replaced or amended (information inserted into original\*) dated and received February 5, 2009. This information includes, but is not limited to:

1) Construction Quality Assurance Plan, Attachment P-1 [CQAP], dated January 30, 2009.

2) Technical Specifications, Attachment E-2, [Specs.], dated November 16, 2008 as revised February 5, 2009; and

3) Plan Sheets titled, Citrus County Solid Waste Management Division 7-Acre Closed Landfill Re-Closure Construction Drawings, February 2009 (10 Sheets) received February 5, 2009.

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 construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit does not authorize landfill operation. Construction, operation, or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department.

c. This permit authorizes the construction of the 7-Acre Closed Class I Landfill Re-Closure final cover system and related passive gas venting and flare system and other related appurtenances, only.

\* see OCULUS for un-collated submittals

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

4. **Permit Renewal.** On or before November 15, 2013 the permittee shall notify the Department in writing or electronically of its intent to apply for renewal of this permit and of the anticipated date of submittal of the permit renewal application. **No later than March 15, 2014**, 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)(b), F.A.C. In the event that the regulations governing this permitted construction are revised, the permit renewal shall include modification of those specific construction conditions which are affected by the revision of regulations to incorporate those revisions in accordance with Specific Condition A.8.

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

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

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

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

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

a. In the event that limestone is encountered during excavation or construction activities, the excavation/construction activities shall cease and the Department shall be notified **within 24 hours of discovery**. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the continued construction and operation of the facility. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

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

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

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

c. 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.

**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.

a. This permit authorizes the construction of the 7-Acre Closed Class I Landfill Re-Closure final cover system and related passive gas venting and flare system and other related appurtenances.

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

a. **Within sixty (60) days** after the specified construction has been completed, the following activities shall be completed and submitted by the permittee for Department approval:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance 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, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.

4) The professional engineer of record shall submit to the Department a final report to verify conformance with the plans and specifications in accordance with Rules 62-701.400(7) and (8), F.A.C.

3. **Record Drawings/Documents.**

a. The Record Drawings/Documents shall include, but not be limited to, the following information:

1) Location of all anchor trenches, i.e. limits of liner.

2) As-built locations and details of liner tie-ins;

3) Daily construction reports;

4) As-built drawings showing the geomembrane panel installation layout, locations of fabricated and field seams, type of seams, destructive sampling locations, locations of all repairs, panel designations, geomembrane booting and connection details;

5) All geomembrane destructive test results;

6) A compact disc or other electronic media that includes all available photographs documenting all stages of the construction project [ref. CQAP, Sec. 7.2];

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

(Specific Condition #B.3.a., cont'd)

- 7) Gas vent construction diagrams, including elevation at top of ground, total depth of vent, depth, thickness and description of soil or waste strata and the occurrences of any water-bearing zones.

**4. Pre-Construction Submittals.**

a. **At least thirty (30) days prior** to initiation of any construction activity, unless otherwise specified, the permittee shall submit the following information to the Department:

- 1) A **complete set** of Plans, Specifications and CQA Plan to be used for construction which includes all changes (i.e., all additions, deletions, revisions to the plans previously approved by the Department). All changes shall be noted using strikethrough (~~strikethrough~~) for deletions, and shading (~~shading~~) or underline (underline) for additions. All changes in the plans, specifications and CQA Plan shall be accompanied by a narrative indicating the change. Significant changes in the plans, as determined by the Department, shall require a permit modification. All changes in the plans shall be noted on the plans and the cause of the deviation and a re-certification of the alternate design by the design engineer shall be provided. These alternate designs shall be approved by the Department prior to construction. If **no** changes have been made to the construction plans, Specifications or CQA Plan, the permittee shall notify the Department in writing that no changes have been made, and re-submittal of these documents will not be required prior to construction;

- 2) The role and name of the specific company/organization for each of the qualified parties involved in CQA and CQC for the project [ref. CQAP, Sec. 3];

- 3) A copy of the contractor's Excavation Plan [Spec. 01 30 10-1.01.B.2.].

b. **At least 30 days prior to initiation** of installation of the liner, the results of the interface friction testing [Spec. 33 05 20-2.03.D.] using actual construction materials shall be submitted to the Department. The results must demonstrate that the all interfaces exhibit a minimum interface friction angle of 25.5 degrees. [Spec. 33 05 20-2.03.D.]. Placement of the geomembrane shall not proceed prior to the Engineer's receipt of the results of the interface friction testing which meet the requirements of this condition.

c. **No later than 2 weeks** prior to construction of the following components of the project, the Department shall be notified of the initiation of construction of these components (for each phase of construction) to allow the Department to observe the construction of:

- 1) bottom liner tie-in transition areas;
- 2) seaming performed using a method other than double-fusion (wedge) or extrusion welding; and
- 3) welding of top liner to leachate collection riser.

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

5. **Pre-Construction Meeting Notification.** Department Solid Waste Permitting staff shall be notified **at least one (1) week prior** to all pre-construction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on site and discuss all plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department within two (2) weeks of the conference.

6. **Construction Schedule and Progress Report.**

a. **No later than one (1) week after** the pre-construction conference, the owner or operator shall submit a construction schedule, which includes estimated dates for each portion of the construction to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.

b. An updated construction schedule and progress report shall be submitted to the Department **monthly, by the 15<sup>th</sup> of each month**. The monthly progress report should be submitted in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project. The monthly progress reports shall include, but not be limited to:

- 1) A narrative explaining the status (and any delays) of major stages of the construction; (i.e., liner, piping, gas system construction, etc.),
- 2) A summary of submittals and change order requests,
- 3) Weekly progress meeting minutes [Spec. 01 20 10-1.02] and
- 4) Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction (e.g., liner penetrations, bottom liner tie-in, etc.).

7. **Construction Tolerances.**

a. The construction tolerance for elevations and grades shall be  $\pm 0.20$  ft vertical and  $\pm 0.50$  ft horizontal [Spec. 01 50 01-3.01.H.].

b. As-built topographic surveys shall demonstrate that the liner and protective soil cover were constructed within the tolerance required by the Drawings and Specifications.

c. All soil layer thicknesses are minimum requirements.

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

**8. Construction Quality Assurance.**

a. Liner systems shall have a construction quality assurance plan to provide personnel with adequate information to achieve continuous compliance with the construction requirements. The Construction Quality Assurance Plan shall be in accordance with Rules 62-701.400(7) and (8), F.A.C., the CQA Plan [ref. SC#A.2.a(1)], and the conditions of this permit. The professional engineer or his designee shall be on-site at all times during construction (including liner system and gas management system) to monitor construction activities.

b. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference. Drawings which show the locations of geomembrane panel seams and repairs shall be kept on-site at all times for reference. Work shall not be concealed until required information is recorded.

c. All liquid encountered during construction inside the landfill footprint is leachate and shall be managed appropriately. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to the land, surface water or groundwater outside the liner system at any time during the construction activities.

d. Unsatisfactory, defective or non-conforming work shall be reported to the Engineer and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained on-site for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.2 and #B.3. All areas not meeting the requirements of the contract specifications and CQA Plan shall be reworked by the Contractor to meet the specifications, CQA Plan and requirements of this permit.

e. Construction activities such as geomembrane seaming, QA/QC testing of the geosynthetics or soil materials, surveying, etc. shall not be carried out in non-daylight hours without prior Department approval. If these activities will be conducted during nighttime hours, the Department shall be notified **at least 1 week** in advance to allow for Department observation. This notification shall include a description of the methods which will be used to provide adequate illumination to ensure that the quality of the construction is not compromised.

f. Where sod is used over lined areas, pegging of sod shall not be allowed.

g. All portions of the final cover system and gas management system construction, shall be observed and documented by the CQA Consultant.

h. CQA daily reports shall include weather conditions (e.g., precipitation, temperature).

i. All excavations shall be maintained free from standing water. The surface shall be graded such that there is no ponding of water.

j. Excavated material to be stockpiled in a location outside the lined 7-acre footprint shall be free of solid waste. Excavated materials used for earthfill shall meet the requirements of Specification Section 31 20 00. [ref. Spec. 31 20 00-2.05.A.]



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

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

k. Runoff from stockpiled soils shall not discharge to surface water bodies or wetlands such that Department surface water standards are violated at the point of discharge.

l. The Department shall be notified in accordance with Specific Condition #C.6.b. of all fuel, oils, greases, solvents, lubricants, etc., that are spilled or leaked in areas that may discharge outside the landfill footprint. The permittee shall ensure that all personnel working on the landfill site (including contractors and subcontractors) shall utilize all appropriate measures to prevent spills and leaks of fuel, solvents, lubricants, oils, etc.

m. All waste exposed by excavations or other construction activity shall be covered or removed for disposal daily. All wastes generated during the construction shall be disposed of within the on-site permitted disposal areas or a permitted off-site Class I landfill. No solid waste shall be used for backfill [ref. Spec. 02 41 16-2.01].

n. Gas well drilling shall be in accordance with Technical Specification Section 33 21 70, the closure construction drawings [ref. SC#A.2.a.(3)], and the conditions of this permit. In the event that the gas well installation indicates that the bottom liner of landfill may have been encountered during gas well installation, the gas well drilling **shall cease** in the affected area and the Department shall be notified in accordance with Specific Condition #C.6.b. Gas well installation shall not resume until specifically approved by the Department.

9. **Laboratory and Field Testing Requirements.** Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory, independent of the manufacturer or installer, representing the owner. A qualified field technician representing the owner shall provide full time, on-site inspection during construction. The field technician shall work under the supervision of a professional engineer registered in the State of Florida with experience in landfill liner construction.

10. **Soil Materials.**

a. The liner subgrade shall be placed and compacted in accordance with Technical Specification Section 31 20 00 [ref. Spec. 31 20 00-2.01]. Surfaces adjacent to geosynthetics shall be free of angular or sharp rocks and debris of any kind and free from particles greater than 1/4 inch in diameter [ref. Spec. 31 20 00-2.01.A.].

b. The protective cover soil layer shall be a minimum of 24-inches thick [ref. Spec. 33 05 20-3.07.B. & SC#A.2.a.(3), Sheet 10 of 10, Detail 3] .

c. Soil cover material shall be placed over the geomembrane such that the geomembrane is not damaged and no tensile stress is induced in the materials.

d. Earthwork shall be tested by the CQAM for the tests and frequencies specified in CQAP Section 5..

e. The gravel for the gas vent system shall be clean, washed FDOT No. 4 aggregate free from dirt, vegetation, or other objectionable matter [ref. Spec. 33 21 70-2.03].

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

**11. Geosynthetic Materials.**

a. Conformance testing.

1) The CQA Consultant or designee (independent from the Contractor) shall take conformance samples of the geosynthetics materials. CQA Conformance testing for the geosynthetic materials shall be in accordance with the following. In all cases, the test results shall meet or exceed the property values in the Specifications and CQA Plan.

a) Geomembrane - properties listed Specification Section 33 05 20 - Table 33 05 20-1.

2) The geosynthetic materials shall not be accepted for use on the project until the results of the CQA conformance testing that indicate that the geosynthetics meet the specifications have been received.

b. Seaming.

1) Seaming processes other than fusion or extrusion welding shall be approved by the Engineer and submitted to the Department prior to implementation.

2) Seaming apparatus or personnel which have failed trial welds shall not be used for seaming until passing welds are achieved. [ref. Spec 33 05 20-3.04.E.8.]

3) Geomembrane seaming activities shall only be conducted during daylight hours and within the weather requirements of the Specifications, unless otherwise specifically approved by the Department. Seaming shall only take place with the "master seamer" present. No geomembrane seaming shall be performed unless the CQA Consultant is on-site. [CQAP Sec.6.1.7]

4) The full-time resident CQA inspector shall observe no more than four geosynthetics seaming crews at any given time.

5) The procedure used to temporarily bond adjacent geomembrane panels together shall not damage the geomembrane. Solvent or adhesive shall not be used to bond geomembrane panels.

6) All seaming operations shall cease upon the presence of any precipitation (drizzle, sprinkle, fog, dew, etc.). [see CQAP Sec. 6.1.7.5.; Spec. 33 05 20-3.04.F.]

7) Seams shall be oriented parallel to the line of maximum slope, i.e., oriented along, not across the slope. [ref Spec. 33 05 20-3.03.C.2.]

8) No more geomembrane panels shall be deployed than can be seamed on the same day.

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

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

c. Destructive testing.

1) Destructive tests of the geomembrane seams shall be taken at random locations, at a minimum frequency of one test location per 500 feet of seam. This frequency shall not be based on an average throughout the entire facility. [ref. CQAP Sec. 6.1.8.2.; Spec. 33 05 20-3.05.C.2.b.(1)]

2) Geomembrane seams shall meet the requirements of Geomembrane Specification Section 33 05 20-Table 33 05 20-2, and in all cases destructive tests conducted on the geomembrane field seams shall demonstrate that the failure is outside of the seam area. A minimum of 4 of 5 of the samples from each destructive test location shall meet the requirements for each test method (peel and shear) listed in Geomembrane Specification Section 33 05 20-Table 33 05 20-2. The strength results shall not be averaged and both sides of fusion welds shall be tested. [ref. Spec. 33 05 20-3.05.C.6.]

3) Work shall not proceed with any materials which will cover locations which have been destructively tested or repaired until laboratory test results which demonstrate passing values are provided to the on-site CQA manager/inspector.

4) All areas that fail nondestructive testing shall be marked by the on-site CQA inspector. [ref. Spec. 33 05 20-3.05.C.1.a.]

5) All welds shall be tested in shear and peel. Geomembrane seams shall not be tested by "hand" exclusively.

d. Interface friction. A minimum peak interface friction angle of 25.5 degrees tested at normal loads of 100 psf, 200 psf and 800 psf shall be achieved for all interfaces. [ref. Spec. 33 05 20-2.03.D.] Deviation from this requirement shall require a permit modification and shall demonstrate that adequate slope stability will be achieved.

e. The construction methods used shall minimize wrinkles. Excessive wrinkles are wrinkles higher than they are wide across their base, more than 6 inches high, or that fold over when stepped on. [ref. CQAP Sec. 6.1.8.6.] Excessive wrinkles shall be removed, and the areas repaired. Areas where wrinkles are removed shall be repaired and re-tested in accordance with the Specifications and CQA Plan.

f. The liner system shall not be damaged by excessive traffic.

g. In areas where stakes are used, stakes shall not be of a type or used in a way that may damage the geosynthetics.

h. Prior to placement of materials on the subgrade, an as-built topographic survey shall be provided to the Engineer to verify conformance with the Drawings and Specifications. [ref. Spec. 32 91 20-3.05.C.] The subgrade shall be accepted by the Liner Installer and Engineer in writing before placement of the next layer. [ref. CQAP 6.1.3.]

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

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

i. During the construction of, and until the geomembrane are placed on the subgrade, the subgrade shall be inspected daily for signs of desiccation, excessive moisture, or other damage. In the event that the condition of the subgrade deteriorates, corrective actions shall be implemented immediately. [CQAP 6.1.4] Washouts or erosion of the geomembrane subgrade shall be repaired immediately. The CQA Consultant shall observe the condition of the subgrade and note areas of inadequacy, erosion or other deterioration in the Daily Reports.

j. No geomembrane shall be placed in an area that has become softened by precipitation or desiccated and cracked due to lack of moisture. No standing water or excessive moisture shall be allowed on the area to be lined before the geomembrane installation.

k. The geomembrane shall always be kept dry and protected from wind damage. Temporary loading and/or anchoring devices (such as sand bags) shall be removed prior to placing the next layer (i.e., soil over the geomembrane).

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

**1. Facility Operation Requirements.**

a. 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, operation, monitoring or maintenance, or during the long-term care period of this facility.

b. After issuance of this permit (including the time period during construction of the final cover until the certification of closure construction is approved by the Department), and throughout the long-term care period, the site shall be inspected and maintained in accordance with Chapter 62-701, F.A.C., and the long-term care provisions in Operation Permit No. 21375-008-SO/01 (including modifications, if any) or its successors.

**2. Facility Personnel.** The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.

**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.

**4. Monitoring of Waste.** No wastes shall be disposed of in this disposal area without specific prior Department approval.

**5. Control of Nuisance Conditions.** The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction and 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.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads, equipment, stormwater and leachate management systems, cover systems and berms, gas venting and/or monitoring and management systems, surface water management system, and groundwater monitoring system. Erosion and ponded water within landfill footprint shall be prevented.

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

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

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

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

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

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

8. **Leachate Management.** Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., Operation Permit No. 21375-008-SO/01 (including modifications, if any) or its successors, and other applicable Department rules.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report Submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Fl. 33637-0926.
2. **Operation Plan and Operating Record.** 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.
3. **Waste Records.** The permittee shall maintain all records required by the construction specifications, CQA Plan and this permit on-site and shall provide copies to the Department upon request, unless specified otherwise.
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. and Operation Permit No. 21375-008-SO/01 (including modifications, if any) or its successors.

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

1. **Water Quality Monitoring Requirements.** Water quality monitoring shall be conducted as required by Operation Permit No. 21375-008-SO/01 (including modifications, if any), or its successors.

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

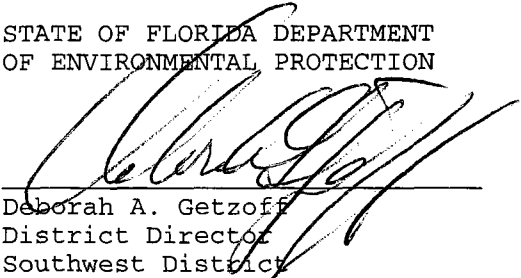
1. **Landfill Gas Management Requirements.** Landfill gas management and monitoring shall be conducted as required by Operation Permit No. 21375-008-SO/01 (including modifications, if any), or its successors.

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

1. **Closure and Long-Term Care.** Closure and long-term care of the facility shall be conducted as required by Operation Permit No. 21375-008-SO/01 (including modifications, if any), or its successors.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff  
District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	On or before November 15, 2013  No later than March 15, 2014	Notification of date of permit renewal application submittal  Submit application for permit renewal
A.9.a.	Within 24 hours of discovery	Notification of limestone encountered, sinkholes, or subsurface instability
A.9.b.	Within 7 days of verbal notification	Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
B.4.a.	At least 30 days prior to construction	Submit complete plans, specification, CQA plan, or statement that no changes have occurred, org. chart with parties/roles, excavation plan
B.4.b.	At least 30 days prior to installation of the liner	Submit interface friction testing results
B.4.c.	No later than 2 weeks prior to construction	Notify of tie-in construction and non-standard seaming methods
B.5.	At least 1 week prior  No later than 2 weeks after pre-construction meeting	Notify of preconstruction meeting  Submit meeting minutes
B.6.a.	No later than 1 week after pre-construction meeting	Submit construction schedule
B.6.b.	Monthly, by the 15 <sup>th</sup> each month	Submit monthly progress report & schedule
B.8.e.	At least 1 week prior	Notify of night work
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 stormwater management system



## SCS ENGINEERS

May 18, 2009  
File No. 09207049.01

Mr. Steve Morgan  
Florida Department of Environmental Protection  
13051 N. Telecom Parkway  
Temple Terrace, Florida 33637-0926

Subject: Proof of Publication for Permit No. 21375-014-SF/01  
Citrus County Central 7-Acre Closed Class I Landfill Re-closure Construction,  
Central Landfill, Citrus County, Florida

Dear Steve:

On behalf of the Citrus County Solid Waste Management Division, SCS Engineers is submitting the enclosed proof of publication of the Notice of Intent to Issue a Solid Waste Construction Permit for proposed permit no. 21375-014-SF/01 for the re-closure construction at the Citrus County Central Landfill.

Please call us if you have any questions.

Sincerely,

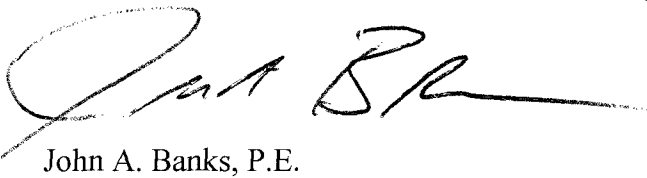


Daniel R. Cooper, P.E.  
Project Manager

Dept. Of Environmental Protection

MAY 18 2009

Southwest District



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

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

Enclosure



# 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

Mary Ann Naczi

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

113-0507 THCRN 21375-014-SF/01 DEP Proposed Agency Action PUBLIC NOTICE State of Florida Department of Environmental Protection Notice of Proposed Agency Action on Permit Application The Department gives notice of its intent to issue a permit (File No. 2

Court, was published in said newspaper in the issues of  
May 7th, 2009.

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.

*Mary Ann Naczi*

The forgoing instrument was acknowledged before me

This 7th day of May 2009

By: Mary Ann Naczi

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

*Nancy A. Parke*  
Notary Public



113-0507 THCRN  
21375-014-SF/01 DEP Proposed Agency Action  
PUBLIC NOTICE

State of Florida  
Department of Environmental Protection  
Notice of Proposed Agency Action  
on Permit Application

The Department gives notice of its intent to issue a permit (File No. 21375-014-SF/01) to the Citrus County Board of County Commissioners, who applied on November 18, 2008 to the Department of Environmental Protection for a permit to re-close an existing closed Class I landfill, referred to as the Citrus County Landfill Closed 7-Acre Lined Disposal Area, subject to the specific and general conditions of the permit, located near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision 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 Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within fourteen (14) days of publication of this notice. A copy of the petition must also be mailed at the time of filing to the applicant at the address indicated. Failure to file a request for hearing within this time period shall constitute a waiver any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes. Mediation is not available in this proceeding.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address; the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of Department's action, or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; and (f) A statement of which rules or statutes petitioner contends require 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, Florida Statutes, and to participate as a party of this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to rule 28-5.207, Florida Administrative Code.

The application 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 13051 North Telecom Parkway, Temple Terrace, Florida 33635-0926.

Published one (1) time in the Citrus County Chronicle; May 7, 2009.

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
MAY 13 2009  
SOUTHWEST DISTRICT  
TAMPA

**Brantley, Anna**

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**From:** Brantley, Anna  
**Sent:** Thursday, April 30, 2009 3:12 PM  
**To:** Hornbrook, Frank; Morris, John R.; Moore, Ronni; Tedder, Richard; Commissioner Dennis Damato; Commissioner Gary Bartell; Commissioner Joe Meek; Commissioner John Thrumston; Commissioner Winn Webb; Eber E. Brown, Interim County Administrator; Represenative Ron Schultz; Senator Charles Dean; Senator Mike Fasano  
**Cc:** Pelz, Susan; Morgan, Steve  
**Subject:** FYI: Copies of the Citrus Central Class I LF issued permit Mod #21375-016-SO/MM & Intent to Issue for the Citrus Central Class I LF 7-Acre Re-Closure dated 4-30-2009  
**Attachments:** Citrus Central Class I LF 7-Acre Re-closure 21375-014-SF-01 intent to issue - issued 4-30-2009.pdf; Citrus Central Class I Interim Gas Operation Modification 21375-016-SO-MM NOP dated 4-30-2009.pdf

FYI: Copies of the Citrus Central Class I LF issued permit Mod #21375-016-SO/MM issued 4-30-2009 and the Intent to Issue of permit for the Citrus Central Class I LF 7-Acre Re-Closure dated 4-30-2009

*Anna Brantley  
Administrative Assistant II  
FL DEP / SWD / Waste Managment  
13051 North Telecom Parkway  
Temple Terrace FL 33637-0629  
Tel: 813/632-7600, Ext. 377  
Fax: 813/632-7664*

# Memorandum

## Florida Department of Environmental Protection

### PERMIT COVER MEMO

TO: Deborah A. Getzoff, District Director

FROM/THROUGH:

William Kutash

Susan Pelz, P.E.

Steve Morgan

ENVIRONMENTAL ADMINISTRATOR

SOLID WASTE MANAGER

SOLID WASTE PERMITTING

DATE: April 27, 2009

FILE NAME: Citrus County Central Class I LF  
7-Acre Re-closure Construction

PERMIT #: 21375-014-SF/01

PROGRAM : Solid Waste

COUNTY : Citrus

TYPE OF PERMIT ACTION: INTENT TO ISSUE PERMIT

**PERMIT SUMMARY:** This construction permit is to allow the re-closure of a previously closed lined 7-acre disposal area on the old 60-acre closed portion of the Citrus Central Solid Waste Management Facility.

**PROFESSIONAL RECOMMENDATION:**   X   APPROVE        DENY

**EVALUATION SUMMARY:** The closed 7-acre lined disposal area, previously closed in 1992, has settled over time causing ponding of stormwater on the top closure cap, requiring the County to apply several feet of additional cover. This permit will allow for the removal of excess soil, breaching of the existing geomembrane cap, and the re-grading and re-closure of the disposal cell with a new geomembrane cap to allow proper drainage of stormwater off the closed disposal area. The applicant has provided sufficient information to demonstrate compliance with Department Rules.

TIH= 153; TTP=110 (to 4/27/09)		TTP
Application rec'd	11/18/08	
RAI #1 sent	12/18/08	30
RAI #1 response rec'd	02/05/09	
Application complete	02/05/09	
Intent to Issue routed for signature	04/27/09	80

DAY 90/30 FOR THIS ACTION IS: ASAP Day 90=05/06/09

## CERTIFICATION

Application #21375-014-SF/01, Citrus County

Citrus Central landfill, 7 acre re-closure construction

I hereby certify that the engineering features described in the above-referenced application **provide** reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Chapters 62-701, Florida Administrative Code. However, I have not evaluated and I do not certify aspects of the proposal outside my area of expertise (including but not limited to the electrical, mechanical and structural features).



Susan J. Pelz, P.E.

PE#50835

4/28/09

date



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

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

December 18, 2008

RE: Citrus County Central Class I Landfill 7-Acre Re-closure  
Pending Permit No.: 21375-014-SF/01, Citrus County  
WACS No.: SWD/09/39859

Dear Ms. Metcalfe:

This is to acknowledge receipt of the permit application prepared by SCS Engineers, dated and received November 18, 2008 for permit to re-close a 7-acre portion of an existing Class I landfill, referred to as the Citrus County Central Class I Landfill (Phase 3), 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 **4 copies** of all requested information. Please specify if revised information is intended to supplement, or replace, previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded ~~shaded~~ or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.
3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.
4. Please be advised that although some comments 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.**

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

1. **Rule 62-701.320(7)(b), F.A.C.** Application Form #62-701.900(1), Part A.4: The WACS ID # for this facility is SWD/09/39859. Please revise this Part accordingly.

**SECTION E (Rule 62-701.320, F.A.C.):**

2. **Sections E.7:**

- a. Please explain how the laid out liner will be held in place prior to welding to the bottom liner.
- b. Please explain how the edge of the existing bottom liner will be located and revise the excavation & geomembrane specifications to specify the procedures for locating and tying to the bottom liner, where not already specified.
- c. Please explain the rationale for installing the gas vent after final cover (liner and 2 ft of overlaying soil) installation rather than installing the gas vent prior to liner installation to prevent damage to the final cover system, which is typical industry practice.

3. **Section E.13:** Please publish the attached Notice of Application and provide proof of publication to the Department.

**Attachment E-1 - Permit Application Drawings**

Please provide the following additional information and revisions to the Construction Drawings that include all necessary details for the construction of the facility. The drawings will be reviewed in their entirety after the responses to this request for information.

4. **Sheets 4 through 8 of 10:**

- a. Please revise the appropriate section to show the approximate location of the existing PVC cap.
- b. Please revise "Cap/Bottom Liner Tie In (TYP.)" detail reference on these sheets to provide a cross-reference to the cap/bottom liner detail on Sheet 10 of 10.

5. **Sheet 6 of 10:**

- a. Section G: Please revise this section to show the location of the leachate collection riser and leachate force main piping.

6. **Sheet 10 of 10:**

- a. Section M: Please revise this section to show the final cover system.
- b. Section L:
  - 1) Please verify that a Department Air Resources permit or permit modification is not required for the passive flare.
  - 2) Please provide a detail of the leachate collection riser that shows the replaced leachate and condensate piping.

3) Please provide a detail of the liner connections to the leachate collection riser.

c. Detail 1:

1) Please revise this detail to show the extent of the area of the final cover system that will be excavated/peeled back for gas vent installation.

2) Please revise this detail to indicate that the soils replaced above the "liner material" and boot will be the same soils specified for the protective layer and top soil layer.

3) Please provide a boot detail.

d. Detail 5: Please identify where the existing PVC cap is in this detail and explain in Section P.3.e of the application how the existing PVC cap (assumed to already be tied-in with the bottom liner) will impact the tie-in of the new final cover liner to the bottom liner.

**Attachment E-2 - Technical Specifications (Rules 62-701.400(3), (7) and (8))**

Please revise the Technical Specifications and/or other referenced application documents, as appropriate, to address the following comments and/or inconsistencies. It is highly recommended that the applicant and/or consultant review previously approved technical specifications for liner system submitted for other solid projects by the applicant and/or the consultant in the Southwest District. The Technical Specifications will be reviewed in their entirety after receipt of this information.

7. Please provide geotextile specifications for the "geotextile donut" and the passive landfill gas flare.

8. **Section 01 30 10 - Contractor Submittals:**

a. Part 1.05.I.2.: The changes and deviations described in this part do not appear to be consistent with the acceptable tolerances provided in several specification sections and the CQA Plan. Please verify and revise as appropriate.

9. **Section 02 25 00 - Permanent Erosion Control:**

a. Part 3.01.A.3.: Please revise this part to indicate that pins shall not be utilized over areas of the final cover system where damage to the liner system may occur.

b. Part 3.01.B.1.: Please revise the appropriate permit application drawing to provide a detail of the anchor trench that show its orientation in the final cover system, where applicable.

10. **Section 31 20 00 - Excavation, Trenching, Backfilling, and Grading:**

a. Part 2.01.C.: Please revise this part to clarify that the soils will meet the specifications of Part 2.04 of this section.

b. Part 2.03.B: Please explain why there would be any stones in bentonite, in pellet or chipped form, and revise this section, as appropriate.

c. Part 2.06.C.: Please revise this part to specify that testing will occur every 5000 CY and one every change in borrow source or material.



d. Part 3.03.A.: Please revise this part or an appropriate part of this section to specify the procedures in the event that waste is encountered outside the expected limits of waste during excavation and regrading.

11. **Section 32 91 20 - Landfill Final Cover System:**

a. Part 1.02.B.: This part indicates that protective soil layer material has unspecified soil classification. However specifications for this soil appear to be provided in Part 1.03.A.2. of this section. Please verify and revise this section, as appropriate.

b. Part 1.03.A.2.:

1) For each soil type in this part, please revise this part to define "representative sample(s)" and acceptable test results, where applicable.

2) Subpart b.: Please revise this part to specify the compaction for hydraulic conductivity testing.

c. Part 1.03.B.1.: Please revise this part to specify the testing frequency and the acceptable specifications.

d. Part 2.02.A.: Please revise this part to specify the "protective soil layer standards".

e. Part 2.02.C.: Since the protective soil layer will be installed directly over the geomembrane liner, 3-inch sized stones appear unacceptable. Please verify and revise this part accordingly.

f. Part 3.02.C.: This part refers to CQA activities in the CQA Plan, however there are no soil CQA procedures in the CQA Plan. Please provide soil CQA procedures and testing specifications.

g. Part 3.04.A.2.:

1) Subparts a., c. & d.: General fill is not specified in the soil barrier layer. Please revise these subparts accordingly.

h. Part 3.04.E.2.: General fill does not appear to be specified in the final cover system. Please verify and revise this part, as appropriate.

12. **Section 33 05 20 - Polyethylene Geomembrane Liner:**

a. Part 2.02.C.: The reference to Part 2.01.B appears to be a typographic error. Please verify and revise as appropriate.

b. Part 3.03.A.5.: Please revise this part to provide overlap specifications consistent with Section 6.1.5.4 of the CQA Plan.

c. Part 3.03.C.1.: Please revise this part to provide the procedures for hot-air tacking that do not damage the geomembrane.

d. Part 3.03.F.: Please revise this part to provide acceptable seaming temperatures specifications consistent with Section 6.1.5.5 of the CQA Plan.

- e. Part 3.04.C.1.: Please revise this part to provide specific descriptions of each of the field testing procedures, consistent with approved procedure descriptions provided for other solid waste liner projects by the applicant and/or the consultant in the Southwest District. Please revise to identify and describe "other approved methods".
- f. Part 3.04.C.2.a.: Please revise this part to provide destructive testing location and frequency specifications consistent with Section 6.1.6.2 of the CQA Plan.
- g. Part 3.04.C.2.b.: Please revise this part to provide destructive testing sampling procedures specifications consistent with Section 6.1.6.3 of the CQA Plan.
- h. Part 3.04.C.3.: Please revise this part to provide failed seam procedures specifications consistent with Section 6.1.6.5 of the CQA Plan. Please revise this part to specifically define what constitutes a "failed seam."
- i. Part 3.05.D.: Please revise this part to provide specific descriptions of each of the repair procedures, consistent with approved procedure descriptions provided for other solid waste liner projects by the applicant and/or the consultant in the Southwest District.

13. **Section 33 21 70 - Landfill Gas Vents:**

- a. Part 1.04.A.: Please verify whether this person will be the CQA Consultant or his representative.
- b. Part 2.02.A.: Detail 1 on Sheet 10 of 10 of the permit application drawings appears to indicate that No. 4 stone will be used in the gas vents. Please verify this apparent inconsistency and revise this part, as applicable.
- c. Part 2.03.A.: The soils replaced above the "liner material" and boot should be the same soils specified for the protective layer and top soil layer. Please revise this section, accordingly.
- d. Part 2.04.A.: Please verify that the bentonite in this part is the same bentonite described in Specification Section 31 20 00 Part 2.03.A. and Part 3.04.B of this section and revise these parts to provide consistent descriptions of the bentonite, as applicable. If not, please explain where the two types of bentonite will be utilized on the project.
- e. Part 2.05.A.: Please verify whether this is the same gravel described in Part 2.03.A of this section and/or explain how and why they are different.
- f. Part 3.01.: The procedures in this part appear inconsistent with installation of the gas vent over the final cover system. Please revise the procedures in this part accordingly.
- g. Part 3.02.C.: Survey stakes shall not be utilized in the final cover system. Please revise this part accordingly.
- h. Part 3.02.E.1.: Please explain how the procedures in this part are consistent with installation of the gas vent into waste.

i. Part 3.02.E.2.:

- 1) All waste removed for the closed landfill shall be disposed of at the active Class I landfill. Therefore all cuttings are unsuitable for backfill. Please revise this part accordingly.
- 2) Please revise this part to indicate that the upper 2 ft of soil shall be consistent with the soil types required in the final cover system (protective soil and top soil).

j. Part 3.02.E.1.: Please explain how the procedures in this part are consistent with installation of the gas vent into waste.

k. Part 3.03.A.: Please either provide copies of the referenced ASTM methods as attachments to this specification section or revise this part to provide specific auger boring and drilling procedures.

l. Part 3.03.B.: The procedures in this part appear inconsistent with Part 3.02.D. of this section, which indicates that the contractor must use dry drilling equipment. Please verify and revise this part, as applicable.

m. Please revise this specification section to include procedure for restoration of the final cover system impacted by the gas vent installation procedures and equipment.

14. **Section 33 51 10 - Pipe and Pipe Fittings:**

a. Part 2.02.A.1: Section L on Sheet 10 of 10 of the permit application drawings appears to indicate that 2" SDR 11 HDPE pipe will be used for the leachate force main. Please verify and revise this section, as appropriate.

b. Part 3.04.C.: Pipe shaving procedures appear to be provided in Part 3.05.B. of this section. Please verify and revise this section accordingly.

c. Part 3.05.A.: Please either provide a copy of the referenced ASTM method as an attachment to this specification section or revise this part to provide specific procedure for joining PVC pipe.

d. Part 3.05.C.: Detail 1 on Sheet 10 of 10 of the permit application drawings indicates that lag screws will also be used to secure the slotted pipe to the solid pipe. Please verify and revise this section, as appropriate to provide specific procedures for using lag screws.

e. Part 3.06.B.: Please revise this part to provide specifications for the joining of HDPE pipe to PVC valves proposed on the project.

f. Part 3.07.A.: Please either provide copies of the referenced ASTM method as an attachment to this specification section or revise this part to provide specific procedure for HDPE pipe installation.

g. Part 3.07.C.: Please revise this specification section to specify the "proper trench slope" that will be verified.

**SECTION O - LANDFILL GAS MANAGEMENT SYSTEM REQUIREMENTS (Rule 62-701.530, F.A.C.)**

15. **Section O.1.b.:** Detail 1 on Sheet 10 of 10 of the permit application drawings indicates that the gas vent will have a 6" slotted PVC pipe and a 2-foot bentonite plug. Please revise this section accordingly to remove the references to optional dimensions.

16. **Section O.1.d:** Please revise this section to provide a specific description of how "the wells will be constructed in such a way that the integrity of the top liner will not be compromised".

**SECTION P - LANDFILL CLOSURE REQUIREMENTS (Rule 62-701.600, F.A.C.)**

17. **Section P.3.e.:**

a. This section does not appear to address surface and stormwater management on the 3H:1V and 4H:1V side slopes of the closure on the east, west, and south slopes with respect to cover integrity. Please provide a veneer failure analysis on these slopes, particularly considering the use of on-site soil expected to be a low hydraulic conductivity soil ( $< 1 \times 10^{-5}$  cm/sec), as the protective cover layer.

**ATTACHMENT P-1 -CONSTRUCTION QUALITY ASSURANCE PLAN (CQA) (Rules 62-701.400(3), (7) and (8), F.A.C.)**

Please revise the CQA Plan and/or other referenced application documents, as appropriate, to address the following comments and/or inconsistencies. The CQA Plan will be reviewed in its entirety after receipt of this following information

18. Please revise the CQA plan to include CQA activities and testing related to the geotextile donut, gas vent installation, and pipe installation.

19. **Section 4.3:** Details of the construction resolution meeting do not appear to be included in Specification Section 01 20 10, as indicated. Please verify and revise Specification Section 01 20 10, as appropriate.

20. **Section 5.0:** There do not appear to be Soil CQA details included in Specification Section 31 20 00, as indicated. Please verify and revise Specification Section 31 20 00 or the CQA Plan, accordingly.

21. **Section 6.1.2:** Please revise this section to provide the "specified frequencies for all materials and rolls" or reference to the specification section where they are identified.

22. **Section 6.1.2.2:** Please revise this section to provide the "required number of conformance test samples" or reference to the specification section where they are identified and to identify the specific conformance "values listed in the specifications".

23. **Section 6.1.4:**

a. Please revise this section to identify the weather condition "specifications" that should be followed.

b. Geomembrane liner anchor trenches do not appear to be specified for this project. Please verify and revise this section accordingly.

24. **Section 6.1.5.3:** The use of alternate seaming methods other than those specified in the application will require a permit modification. Please revise this section accordingly.

25. **Section 6.1.5.4:** Please revise this section to provide the specified procedures for overlap grinding or a reference to the specification section where they are identified.

26. **Section 6.1.5.6:**

a. Geomembrane liner anchor trenches do not appear to be specified for this project. Please verify and revise this section accordingly.

b. Seaming at night shall not occur without prior approval of the Department. Please revise this section accordingly.

c. Please explain what is meant by "start-up testing".

27. **Section 6.1.6.1:**

a. Please revise this section to describe the nondestructive seam testing procedures, methods, and conformance criteria consistent with those provided in the Specification Section 33 05 20.

b. All repairs shall be shown on the panel layout record drawings and noted in repair logs. Please revise this section accordingly.

c. Air pressure testing equipment and methods do not appear to be discussed in the specifications as indicated. Please verify and revise Specification Section 33 05 20, as applicable.

28. **Section 6.1.6.4:**

a. Please revise this section to describe the pass/fail criteria for destructive seam testing.

b. Please revise this section to describe the several procedures for repair that will be utilized on this project consistent with those provided in the Specification Section 33 05 20.

**SECTION Q - CLOSURE PROCEDURES (Rule 62-701.610, F.A.C.)**

29. **Section Q.4:** The Declaration to the Public referenced in this section refers to the requirements of Rule 62-701.610(5), F.A.C., which does not occur until the entire landfill facility is closed. Please revise this section accordingly.

30. **Section R.4:** Please verify the procedures for long-term care of the 7-acre disposal area after re-closure are consistent with the details in the facility's current long-term care plan and provide a revised long-term care plan, as appropriate.

**SECTION S - FINANCIAL RESPONSIBILITY REQUIREMENTS (Rule 62-701.630, F.A.C.)**

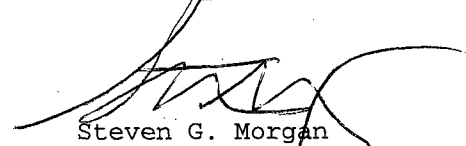
31. **Attachment S-1:** Please address the comments in Department's December 18, 2008 letter (attached) regarding the financial assurance cost estimates provided in Attachment S-1.

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

Please respond by **February 5, 2009**, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than the above schedule, you should develop an alternate timetable for the submission of the requested information for Department review and consideration. 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.

Please provide 4 copies of your response to this letter as one complete package. It is recommended that you contact the Department to set up a meeting to discuss this letter and subsequent submittals. Please contact me at (813) 632-7600 ext. 385 to schedule this meeting.

Sincerely,



Steven G. Morgan  
Solid Waste Section  
Southwest District

SM/sgm

Attachments

cc: Dan Cooper, P.E., SCS Engineers, [dcooper@SCSEngineers.com](mailto:dcooper@SCSEngineers.com)  
Patty Jefferson, Citrus County, [patty.jefferson@bocc.citrus.fl.us](mailto:patty.jefferson@bocc.citrus.fl.us)  
Fred Wick, FDEP, Tallahassee (e-mail)  
Susan Pelz, P.E., FDEP Tampa (e-mail)



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

Ms. Susan Metcalfe, P.G., Director  
P.O. Box 340  
Lecanto, Fl. 34460-0340

December 18, 2008

RE: Citrus County Central Class I Landfill 7-Acre Re-closure Financial Assurance Cost Estimates  
Pending Permit No.: 21375-014-SF/01, Citrus County  
WACS No.: SWD/09/39859

Dear Ms. Metcalfe:

This letter is to acknowledge receipt of the revised cost estimates dated October 23, 2008 (received November 18, 2008), prepared by SCS Engineers. The cost estimates received November 18, 2008 are not approved. The following information is needed to fully evaluate the estimates submitted:

## **General Comments**

1. Please note that quantities and unit costs for closure and long-term care items may be added or changed based on comments and revisions to the above referenced permit application and therefore the proposed closure and long-term care costs will need to be revised accordingly.
2. Based on your response to the comments provided as part of the above referenced permit application, please provide a revised DEP Form 62-701.900(28) that incorporates all proposed changes to the closure and long-term care cost estimates.

## **Closing Costs**

3. Finish Grading – Since the finish grading soil layer has specified soil properties, the cost estimates cannot be based on the use of on-site soils. Please revise this estimate to include the cost of off-site soils.
4. Cover Soil & Top Soil – Since these soils have different specified soil properties, please explain why the cost are based on the same soil cost quote and revise these estimates accordingly.
5. Landfill Gas Vent - Please provide supporting information that demonstrate that the Orange County costs provided were for the same gas vent system design as proposed or provide revised cost estimates and third-party quotes, as applicable.

The Department requests that all information be provided with the response to the Department's December 18, 2008 RAI for above referenced permit application. If you have any questions, you may contact me at (813) 632-7600 ext. 385.

Sincerely,



Steven G. Morgan  
Solid Waste Section  
Southwest District

sgm

cc: Dan Cooper, P.E., SCS Engineers, [dcooper@SCSEngineers.com](mailto:dcooper@SCSEngineers.com)  
Patty Jefferson, Citrus County, [patty.jefferson@bocc.citrus.fl.us](mailto:patty.jefferson@bocc.citrus.fl.us)  
Frank Hornbrook, FDEP, Tallahassee (e-mail)  
Susan Pelz, P.E., FDEP Tampa (e-mail)



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 from Citrus County Solid Waste Division for a permit to re-close a 7-acre portion of the existing 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, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

*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:	21375-014	<u>New</u> / Modification / Renewal
Project Name:	CITRUS CENTRAL LF 7-ACRE (CLOSED) LF	
Type/Subcode:	SF/01	
Fee submitted:	\$ 7500	<input checked="" type="checkbox"/> correct ( ) incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Applicant Information

Name:	SUSAN METCALFE	
Role:	APPLICANT	
Company:	CITRUS CO BOCC	
Address:		
City:	ON-FILE	Zip Code:
Phone:		

Fee verified by: S. MORGAN

Application Assigned To: S. MORGAN Date: 11/21/08

## SCS ENGINEERS

November 18, 2008  
File No. 09207049.01

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

Subject: Closure Application to Reclose a 7-acre Closed Portion of the Central Landfill  
Citrus County, Florida

Dear Ms. Pelz:

On behalf of the Citrus County Board of County Commissioners, SCS Engineers (SCS) hereby provides four original permit applications for the re-closure of a 7-acre portion of the closed area of the Central Landfill located in Citrus County Florida.

This permit application is to reclose the 7-acre portion of the closed landfill area that has been settling since its original closure in roughly 1992. After closure construction was completed the area began to settle and the owner, Citrus County was directed by the Florida Department of Environmental Protection to add additional soil cover in areas that have settled in order to promote stormwater runoff. Over time this process was repeated where additional soils were added each time settling occurred. In 2006 the County conducted a ground penetrating radar survey of the area to determine the amount of soil on top of the cap and found that there was as much as 8 feet of fill over the cap in parts of the closed area. This construction permit is being requested so that these excess soils can be removed and recovered and the landfill cap reshaped to promote drainage then reclosed with a Class I type cap. The final cap profile will include 12-inches of base soil, a 40-mil thick linear low density polyethylene (LLDPE) geomembrane liner and 2- feet of soil, then vegetated cover (sod). This closure construction calls for excavating only a portion of the excess soil atop the cap and using in place soils to reshape the cap without exposing any waste.

The processing fee of \$7,500 is enclosed with this application.


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

Sincerely,

  
Daniel R. Cooper, P.E.  
Project Manager

SCS ENGINEERS

DDR/JAB:drc

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

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

Enclosures

