



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi Drew
Secretary

CERTIFIED MAIL 7009 1410 0001 0092 0543
RETURN RECEIPT REQUESTED

September 29, 2010

NOTICE OF PERMIT

C.R. 466A Landfill Facility, LLC
c/o Howard Hewitt
P.O. Box 490697
Leesburg FL, Fl. 34749-0697

RE: C.R. 466A C&D Debris Disposal and Recycling Facility
Modification #172478-009-SO/MM to existing
Operation Permit #172478-006-SO/22, Sumter County

Dear Mr. Hewitt:

Attached is modified **Operation Permit 232939-001-SO/22**, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification #172478-009-SO/MM:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
#A.2.b.	Existing	Amended	Revised permitting documents referenced
#A.2.c.	-	New	Additional and revised permitting documents referenced
#C.9.k.	-	New	Additional material management procedures for CCA Treated Wood.
#C.13.c		New	Additional notification for filling beyond footprint.

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.

The petition shall contain the following information;

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

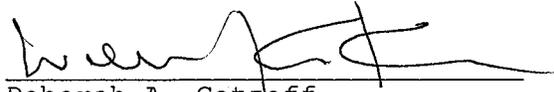
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard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

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

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

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
District Director
Southwest District

DAG/ndg
Attachment

Copies furnished to:

- Sumter County Notification List
- Kenneth R. Wicks, P.E., tedwicks@wicksconsulting.com
- Aimee Webb, Sumter County Development, Aimee.Webb@sumtercountyfl.gov
- Fred Wick, FDEP Tallahassee
- Richard Tedder, P.E., FDEP Tallahassee
- Ronni Moore, OGC Tallahassee (via e-mail)
- John Morris, P.G., FDEP Tampa
- Susan Pelz, P.E., SW

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT was mailed or transmitted electronically to the addressee before the close of business on September 29, 2010.
(date stamp)

Other copies were transmitted electronically to the listed persons.

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

Anna Brently
Clerk

9/29/2010
Date



Florida Department of Environmental Protection

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Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

Charlie Crist
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PERMITTEE

C.R. 466A Landfill Facility, LLC
P.O. Box 490697
Leesburg, FL 34749-0697
c/o Mr. Howard Hewitt

PERMIT/CERTIFICATION

WACS ID No: SWD-60-87308
Permit No: 172478-006-SO/22
Date of Issue: **04/03/2008**
Expiration Date: **04/03/2013**
County: Sumter
Lat/Long: 28° 51' 27"
81° 57' 22"
Sec/Town/Rge: 1 and 12/19S/23E
Project: C.R. 466A Landfill Facility,
LLC Construction and
Demolition Debris Disposal
and Recycling Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 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 construct, operate and close a construction and demolition debris disposal and recycling facility, subject to the specific and general conditions attached, located south of C.R. 466A, 2.5 miles west of Fruitland Park, Sumter County, Florida. The specific conditions attached are for the construction, operation and closure of:

1. C&D debris disposal and recycling facility

General Information - Phase Areas D, E, and F:

Disposal acres	30.34 acres
Bottom liner design	None
LCS Design	None
Bottom elevation of cell	Varies - min. +90 feet NGVD
Final top elevation at buildout (including cover)	Max. +150 feet NGVD
Slopes	Max. 3H:1V side slopes

Replaces Permit No.: 172478-001-SO

Includes Modification #172478-007-SO/MM, dated 12/01/2008, and #172478-008-SO/MM, dated 04-23-2010, and #172478-009-SO/MM, dated 09/29/2010.

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

GENERAL CONDITIONS:

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

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

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

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

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

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

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

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

GENERAL CONDITIONS:

(General Condition #7. cont.)

(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 construction and demolition debris disposal facility for disposal of construction and demolition debris only, and shall be constructed, operated and closed in accordance with all applicable requirements of Chapters 62-4, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for construction, operation, and closure of **Phases Areas D, E, and F** in accordance with all applicable requirements of Department rules, and in accordance with the reports, plans and information submitted by Wicks Consulting Services, Inc. and Andreyev Engineering, Inc. (unless otherwise noted), as follows:

a. Engineering Report for C.R. 466-A Landfill Construction and Demolition Debris Disposal or Recycling Facility (collated into a 3 ring binder) dated and received October 3, 2005, as revised, replaced or amended (information inserted into original) dated May 1, 2006 (received May 22, 2006), dated December 7, 2006 (received December 8, 2006), dated April 16, 2007 (received May 4, 2007), dated April 26, 2007 (received May 2, 2007), dated May 8, 2007 (received May 14, 2007), dated May 11, 2007 (received May 14, 2007), dated July 20, 2007 (received July 27, 2007), dated July 30, 2007 (received August 1, 2007), dated July 31, 2007 (received August 1, 2007), dated August 17, 2007 (received August 17, 2007, and dated and received January 17, 2008. This information includes, but is not limited to:

1) Geotechnical and Hydrogeologic Investigation, dated June 23, 2000 (revised July 27, 2007 and August 17, 2007);

2) Operations Plan, dated April 16, 2007 (revised May 2, 2007), [replaced by Sp. Cond. #A.2.b.(1), below] including;

a) Odor Monitoring Program, dated May 1, 2006; and

b) Site Closure and Long Term Care Plan, revised April 17, 2007.

3) Plan Set titled C.R. 466A C&D Landfill, prepared by Wicks Consulting Services, Inc. (6 sheets), received July 27, 2007 [Sheets 2 through 4 of 6 replaced by Sp. Cond. #A.2.b.(2), below]; and

4) Environmental Resource Permit No. 60-0175954-002, issued January 17, 2008.

Amended 12/01/2008.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

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

b. Application for Permit to Modify a Construction and Demolition Debris Disposal or Disposal With Recycling Permit for C.R. 466 A Landfill (spiral bound document & plan set) dated July 1, 2008 (received July 7, 2008), as revised, replaced or amended (information inserted into original), dated and received September 2, 2008 and November 19, 2008. This information includes, but is not limited to:

1) Operation Plan, revised August 22, 2008 [replaces Sp. Cond. #A.2.a.(2), above, including revisions from Sp. Cond. A.2.c. below]; and

2) Revised Sheets 2 of 6, 3 of 6, and 4 of 6 of plan set titled C.R. 466A C&D Landfill, prepared by Wicks Consulting Services, Inc., received September 2, 2008 [replaces Sheets 2 through 4 of 6 of Sp. Cond. #A.2.a.(3), above].

New 12/01/2008; Amended 09/29/2010.

c. Information submitted to Modify a Construction and Demolition Debris Facility Permit to accommodate changes to Rule 62-701 F.A.C. effective January 6, 2010, prepared by Wicks Consulting Services, Inc., (inserted into Sp. Cond. A.2.b. above) dated June 30, 2010 (received July 2, 2010, as revised replaced or amended, dated August 5, 2010 (received August 9, 2010).

New 09/29/2010.

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 construction, operation and closure of **Phase Areas D, E, and F**. The permittee shall not construct or operate other Cells or Phases without specific, written Department approval.

c. This permit does not authorize operation of sub-phases D3, E1, F2, F3, or the north half of F1, as depicted on Sheet 3 of 6 of the Permit Drawings [ref. Spec. Cond. #A.2.b.(2)], until the following activities and documentation have been submitted to, and approved by, the Department's Solid Waste Section:

Amended 12/01/2008.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

(Specific Condition #A.3.c., cont'd)

- 1) The owner or operator shall submit documentation of completion of the activities for the construction of each Sub Phase required by Specific Condition #B.2.a. below.

4. **Permit Renewal.** On or before September 1, 2012, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-4.090, F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operation Plan, Site Plans for existing site conditions, 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 that 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 January 6, 2010, 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.
Amended 04-23-2010.

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 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 continued

SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements

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

excavation/construction. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

c. 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 **within 24 hours** of discovery. 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.

d. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. 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.

a. This permit authorizes the construction of Phase Areas D, E, and F.

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 each sub-phase of construction has been completed and prior to the acceptance of waste, the following activities shall be completed and submitted by the permittee, and shall be approved by the Department:

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.

5) Construction details for groundwater monitoring wells installed as required by Specific Condition #E.3. and initial sampling as required by Specific Condition #E.4.b. shall be submitted.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with Rule 62-701.730, F.A.C.; the information listed in Specific Condition #A.2 above; the facility Operations Plan [ref. Sp. Cond. #A.2.b(1)]; the facility Permit Drawings [ref. Sp. Cond. #A.2.a(3) & #A.2.b(2)]; and any other applicable requirements. Amended 12/01/2008.

b. The maximum elevation (including final cover) of the Phase Areas D, E, and F disposal area shall be no greater than +150 feet NGVD. Final slopes shall be no greater (steeper) than 3H:1V. The maximum slope of the working face shall be no greater than 3H:1V [ref. Op. Plan, pg. 8]. In the event that inspection of the facility indicates that the slopes or elevations do not appear to be in accordance with the approved Operations Plan or drawings, the Department may require corrective actions and/or surveys or other documentation to demonstrate that the facility has been operated and constructed in accordance with the approved plans.

c. In no event shall waste be accepted in sub-phases D3, E1, F2, F3, or the north half of F1 until the following requirements have been completed and submitted by the Permittee, and approved by the Department for each constructed sub phases:

1) Certification of Construction Completion requirements of Specific Condition #B.2.,

d. All waste debris or materials shall be unloaded inside the designated disposal area. Waste debris or materials shall only be unloaded and disposed during daylight hours.

e. The owner or operator shall inspect the facility for litter at least **daily** on operating days. 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 [ref. Op. Plan, pg. 8].

f. The owner or operator shall inspect the site for erosion at least **weekly** and after significant rain events (> 1 inch in 24 hours). Completed areas shall be inspected for depressions and cracking at least monthly. Eroded area shall be repaired and depressions and cracks filled, compacted, and re-graded within 7 days of inspection.

g. The owner or operator shall inspect the property boundaries at least **daily** for the presence of offsite odors. In the event that odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with the Odor Monitoring Program [ref. Sp. Cond. #A.2.a(2)(a)], and Specific Condition #C.5. below.

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

- h. 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 facility shall cease operation until sufficient equipment is operating at the site.
 - i. 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.
 - j. In the event that normal waste-handling procedures are interrupted due to a fire at the facility 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 operator shall implement the procedures outlined in the facility Operations Plan [ref. Op. Plan, pgs. 4-5].
 - k. The permittee shall clearly stake/mark the location of the edge of the permitted disposal area and maintain the locations as the landfill increases in elevation.
 - l. Waste streams generated by the operation or maintenance of the facility and equipment shall be managed such that any residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the ground or into surface or groundwaters.
2. **Operating Personnel.**
- a. A trained operator, trained in accordance with the facility Training Plan [ref. Op. Plan, pgs. 12-13], shall be on duty whenever the facility is operating and shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.
 - b. A sufficient number of trained spotters (at least one trained spotter) shall be positioned on the ground at the working face to inspect the incoming waste at all times waste is being received, unloaded, spread and compacted, and to remove prohibited materials prior to disposal [ref. Op. Plan, pg. 8]. Training of spotters shall be accordance with the Training Plan [ref. Op. Plan, pgs. 12-13].

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

- c. A sufficient number of trained personnel shall be available to adequately operate the facility. In the event that a trained operator or spotter is not available at the site, the facility shall be closed and shall not accept debris. In the event that unacceptable wastes are not adequately removed from the waste prior to disposal, additional trained spotters shall be required.
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.** The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule.
5. **Control of Nuisance Conditions.**
- a. The operating authority shall be responsible for the control of odors and fugitive particulates arising from this construction and operation. Such control shall minimize the creation of nuisance conditions on adjoining property. Odors confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control disease vectors to protect the public health and welfare.
- b. To reduce the potential for the offsite migration of objectionable odors, the owner or operator shall:
- 1) Implement the procedures in the facility's Odor Monitoring Program [ref. Sp. Cond. #A.2.a.(2)(a)]; and
 - 2) Cover non-C&D waste containers with a waterproof cover;
 - 3) Minimize the storm water infiltration and accumulation in the waste by maintaining grades and berms and removal of **water, which has accumulated within the disposal area.**
- c. In the event that the measures required by Specific Condition #C.5.b., above, are found to be ineffective for preventing landfill odors, the odors abatement procedures in the facility Odor Monitoring Program shall be implemented [ref. Sp. Cond. #A.2.a.(2)(a)].

SPECIFIC CONDITIONS: PART C - Operation Requirements

6. Facility Maintenance and Repair.

a. The site shall be properly maintained including maintenance of equipment, stormwater system, cover system, monitoring wells, and the prevention of erosion and ponded water in disposal areas.

b. In the event of damage to any portion of the landfill site facilities, failure of any portion of the landfill systems, dry or damaged monitoring wells, fire, explosion, or the development of sinkhole(s) at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken and time needed for repairs. Written, detailed notification shall be submitted to the Department **within seven (7) days** following the occurrence.

c. In the event that any portion of the groundwater monitoring system is damaged (including dry wells), a plan for corrective action shall be submitted in accordance with Specific Condition #C.6.b. above. Corrective actions, which include relocation or installation of new groundwater monitoring wells, shall be in accordance with Specific Condition #E.5. below, or as otherwise approved by the Department.

d. In the event that the storm water 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. above, unless otherwise approved by the Department.

e. Erosion/settlement. Areas which exhibit significant erosion or settlement shall be repaired (regraded, additional soil placed, seeded and/or sodded) within 7 days of detection.

7. Stormwater Management.

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

b. The drainage swales, inlets, structures and the surface water management areas shall be visually inspected weekly and following each significant stormwater event (i.e., greater than 3 inches of rain in a 24 hr. period). In the event that this inspection reveals that that the storm water 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.d. above, unless otherwise approved by the Department [ref. Op. Plan, pg. 8].

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.7., cont'd)

c. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. [ref. Op. Plan, pg. 10].

8. **Leachate Management.** Leachate management in accordance with the provisions of Rule 62-701.500(8), F.A.C., is not required for this facility.

9. **Special Wastes.** Unauthorized wastes are specified in the facility Operations Plan [ref. Op. Plan, Appendix., Fig. 1]. The following materials are not authorized to be accepted at the facility. However, these materials, which are received incidentally in the C&D, shall be removed from the waste stream and managed as described in this permit [ref. Op. Plan, pgs. 5-8]. The special wastes shall be stored at the designated unacceptable waste storage area shown on the Permit Drawings [ref. Sp. Cond. #A.2.a.(3) & #A.2.b.(2)], or as otherwise specified in this permit, such that discharge of contaminants to the environment is prevented. The special wastes shall be stored in a location, which does not interfere with the sequence of filling.

Amended 12/01/2008.

a. Unacceptable wastes and recyclables shall be handled on a first-in, first-out basis and all roll-off containers utilized for unacceptable waste and recyclables storage shall be removed for recycling and/or disposal and replaced when full or within the time frames specified by the Operations Plan and/or this permit, whichever occurs first. Therefore, unless specified by this permit, storage of each type of unacceptable waste or recyclable material shall be limited to one roll-off container.

b. **Tires.** Tires which are inadvertently accepted at the facility and subsequently removed from the C&D debris may be stored for a **maximum of 30 days or until the container is full**, whichever occurs first. Storage shall be limited to one roll-off container [ref. Op. Plan, pg. 7]. The tires shall be stored in a container at the designated unacceptable waste storage area, and in a manner, which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

c. *Scrap metal.* Scrap metal may be separated from the waste stream and stored in a maximum of four (4) 20 CY roll off containers adjacent to the working face or if the container is full at the designated recycled metals and concrete storage area until removed for recycling [ref. Op. Plan, pgs. 3 & 11]. White goods shall be rejected and reloaded or kept undamaged and placed upright in a secure location in the unacceptable waste storage area (maximum 50 white goods). White goods, which may contain freon, shall be managed such that the freon or other contaminants are not discharged to the environment. The scrap metal shall be removed from the site **within 30 days or when the container is full**, whichever occurs first. White goods may be stored for a **maximum of 30 days**.

Amended 12/01/2008.

d. *Other Special Wastes.* Small items of special wastes (e.g. used oil, lead acid batteries, mercury-containing devices) removed from the waste stream shall be placed in a closed or tarped 20 gallon container in the unacceptable waste storage area and removed from the site **within 7 days or when the container is full**, whichever occurs first [ref. Op. Plan, pg. 11]. These special wastes shall not be transported to a Class I landfill for disposal [see Op. Plan, pgs. 7-8].

e. *Yard Waste.* Yard waste and wood waste shall be managed in accordance with the facility's air curtain incinerator permit and Rule 62-709.530, F.A.C. Clean wood waste removed from the C&D waste stream for recycling shall be stored in a designated roll-off container adjacent to the working face and shall be removed for recycling when the container is full [ref. Op. Plan, pg. 11].

f. *Clean Concrete.* Clean concrete debris separated from the C&D debris shall be stockpiled at the designated recycled metals and concrete storage area until crushed and removed for recycling. De minimus amounts of asphaltic concrete which are comingled with clean concrete delivered to the facility may be stored and processed with the clean concrete [ref. Op. Plan, pg. 11].

Amended 12/01/2008.

g. *Clean Cardboard.* Clean cardboard only may be accepted at this facility. Oil/grease stained or contaminated cardboard shall be removed from the C&D waste stream and placed in the Class I waste roll-off container for disposal [ref. Op. Plan, pg. 7]. Cardboard removed from the C&D waste stream for recycling shall be stored in a designated roll-off container adjacent to the working face and shall be removed for recycling when the container is full [ref. Op. Plan, pg. 11].

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

h. *Carpet and Carpet Padding.* Carpet and carpet padding inadvertently accepted at the facility and subsequently removed from the C&D debris shall be either stored in the designated Class I or Class III roll-off container and removed for disposal or stored in a designated roll-off container adjacent to the working face and removed for recycling when the container is full [ref. Op. Plan, pg. 11]. Loads of primarily carpet and/or carpet padding shall not be accepted at this facility.

i. *Shredded/Processed Waste.* Wastes that are not clearly identifiable by visual observation as C&D Debris are prohibited from being accepted at this facility. Waste that has originated from excavation or redevelopment of old landfills or unpermitted dumps is considered Class I waste and is not authorized to be managed at this facility.

j. *Contaminated soil, excavated waste.* Neither soils that are reasonably believed to be contaminated nor wastes excavated from the redevelopment of former disposal sites/areas, shall be disposed at this site. In order to ensure that these materials are not inadvertently received at the site, for all loads with large quantities of soil, **prior to the acceptance of the load**, the permittee shall request the following information for each load: name, address and phone number of generator (i.e., jobsite where material is generated), a certification from the generator that the material is not known to be contaminated and/or did not originate from a former waste disposal area.

k) *CCA Treated Wood.* CCA treated wood which is removed from the C&D debris waste stream shall be placed in designated roll-off containers and managed and disposed in accordance with the procedures in the facility Operation Plan [ref. Op. Plan, pg. 23 and Appendices].

New 09/29/2010.

10. **Materials Management and Storage**

a. Unauthorized Wastes.

1) A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. In the event that unacceptable wastes are not adequately removed, additional trained spotters shall be required.

2) A trained spotter shall be positioned at the working face to inspect each load from ground level (i.e. while off of the equipment) as it is being received, unloaded and as it is spread and compacted [ref. Op. Plan, pg. 8].

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.10.a., cont'd)

3) Unauthorized wastes shall be removed from the waste and stored in roll-off containers located at the designated unacceptable waste storage area shown on the Permit Drawings [ref. Sp. Cond. #A.2.b.(2)]. A maximum of two (2) 20 CY roll-off containers for Class I waste and one (1) 20 CY roll-off container for Class III waste shall be at the facility at any one time [ref. Op. Plan, pg. 3]. A Class I waste roll-off containing putrescible waste shall be removed for disposal and replaced **within 48 hours or when a container is full**, whichever occurs first. A Class I waste roll-off containing non-putrescible waste shall be removed for disposal and replaced **weekly or when the container is full**, whichever occurs first. The Class III roll-off container shall be removed for disposal and replaced within 30 days or when full, whichever occurs first [ref. Op. Plan, pg. 7].
Amended 12/01/2008.

4) Containers which store Class I and Class III wastes or other special wastes shall be covered/tarped at the end of each business day, when full, and/or in the event of inclement weather [ref. Op. Plan, pg. 7-8].

5) Unauthorized wastes shall be removed from the incoming loads immediately, and no other loads shall be dumped in the immediate vicinity until all non-C&D materials have been removed and stored in the containers provided for unacceptable wastes.

11. Waste Covering Requirements.

a. Areas of the disposal facility that have received the final lift of waste shall be covered with a 24-inch soil cover, the top 6-inches consisting of topsoil capable of supporting vegetation within 60 days of final receipt of waste in that area [ref. Op. Plan, pg. 9].

12. Working Face.

a. The permittee shall maintain a working face of a cell only wide enough (maximum 150 ft.) to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously that can adequately spot by the number of trained spotters at the facility [ref. Op. Plan, pg. 8].

b. Waste shall be spread and compacted in accordance with the Operations Plan [ref. Op. Plan, pgs. 8-9].

SPECIFIC CONDITIONS: PART C - Operation Requirements

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

a. The sequence of filling shall be in accordance with the sequence and method shown on the drawings "Numerical Fill Sequence" [ref. Sp. Cond. #A.2.b.(2), Sheet 4 of 6], and in accordance with the procedures specified in the facility Operations Plan [ref. Op. Plan, pg. 8], or as otherwise approved by the Department.
Amended 12/01/2008.

b. At least **annually**, the owner or operator shall conduct a survey of disposal areas, which have received waste for the previous year, and shall estimate the remaining life of the disposal area [ref. Op. Plan, pg. 12.]. This estimate shall be supported by a topographic survey and calculations, which are signed and sealed by a registered professional engineer or land surveyor, as appropriate, and shall demonstrate that the above-grade slopes are no greater than 3H:1V and that the top elevation does not exceed design elevation. This survey, and remaining life estimates, shall be submitted to the Department **no later than April 1st each year**.

c. Upon discovery that a permitted facility has disposed of solid waste outside of its permitted dimensions, the owner or operator shall notify the Department within three working days of this discovery. If all waste is not relocated within the permitted dimensions of the facility within 30 days of discovery, upon order of the Department, the facility shall not accept any waste until the facility is in compliance with its permitted dimensions.

New 09/29/2010 .

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, FL 33637-0926.

2. Operation Plan and Operating Record.

a. Each facility owner or operator shall have an operational plan that meets the requirements of Rule 62-701.730(2)(c), 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 inspection. Operating records as required by Rule 62-701.730(12), F.A.C. are part of the operations plan, and shall be maintained at the site.

b. Proposed changes to the current Department approved Operations Plan, referenced in Specific Condition #A.2.b.(1) above shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3.a. The Operations Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough [~~struckthrough~~] and additions may be underlined [underlined] or a similar method may be used) and each page numbered with the document title and date of revision. Amended 12/01/2008 and 04-23-2010.

3. Waste Records.

a. **Annually, no later than April 1st**, each year, the owner or operator shall submit an annual report (DEP Form 62-701.900(7)) which includes a summary of the amounts and types of wastes received and the amounts and types of wastes disposed of or recycled. This report shall be submitted to the Florida Department of Environmental Protection, Recycling Program, MS 4570, 2600 Blair Stone Rd., Tallahassee, FL 32311.

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) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;
- 2) A list of customers who have attempted to dispose of non-C&D debris at the facility;
- 3) Training certificates and other documentation, which demonstrates compliance with Specific Condition #C.3.b.

SPECIFIC CONDITIONS: PART D - Recordkeeping

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for the facility in accordance with Rule 62-701.730(11), F.A.C.

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

b. Proof that the financial mechanism has been adequately funded shall be **submitted annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS 4565, Tallahassee, Florida 32399-2400.

c. Within 90 days of issuance of this permit, the permittee shall provide revised financial assurance cost estimates to include the cost of loading, transport and disposal of the maximum quantity of unacceptable wastes and recyclables that will be maintained at the facility at any one time. Within 30 days of approval of these estimates, proof that the financial mechanism has been adequately funded shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS 4565, 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 (revised March 31, 2008, effective December 3, 2008) [or as replaced by successor SOPs], as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

Amended 04-23-2010.

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

2. Zone of Discharge.

a. The zone of discharge for this facility shall extend horizontally 100 feet from the limits of the C&D debris disposal areas (Phase Areas D, E and F) or to the property boundary, whichever is less, and shall extend vertically to the bottom of 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 in accordance with Rule 62-520.420, F.A.C., and that the minimum criteria for ground water referenced in Rule 62-520.400, F.A.C., will not be exceeded outside the limits of the C&D debris disposal areas (Phase Areas D, E and F).

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

3. Ground Water Monitor Well Locations. The ground water monitoring plan shall be constructed in accordance with Section 6.0 ("Ground Water Monitoring Plan") of the document entitled "Geotechnical and Hydrogeologic Investigation, Hewitt-Logan C&D Landfill, County Road 466A, Sumter County, Florida," prepared by Andreyev Engineering, Inc. (AEI), dated June 23, 2000, revised July 27, 2007, and August 17, 2007 [ref.SC#A.2.a.(1)]. The ground water monitor wells and piezometers are located on Figure 2, "Proposed Additional Monitoring Well Location Plan," prepared by AEI, received August 17, 2007 (**attached**), as follows:

Wells associated with operation in Phase Areas D1, E3, southern half F1, D2, E2, southern half F2, and D3

<u>Well #</u>	<u>Scheduling</u>	<u>WACS</u>	<u>Testsite #</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MWC-1	A, X		19365	Floridan	Background	See Figure 2
MWC-1A	A, X		19366	Surficial	Background	↓
MWD-5	A, X		19788	Floridan	Detection	↓
MWD-9	B, Y		22804	Floridan	Detection	↓
MWD-9A	B, Y		N/A	Surficial	Detection	↓
MWD-11	B, Y		22806	Floridan	Detection	↓
MWD-11A	B, Y		N/A	Surficial	Detection	↓
MWB-1	A, X		19364	Floridan	Piezometer	See Figure 2
MWB-1A	A, X		19586	Surficial	Piezometer	↓
MWC-2	A, X		19367	Floridan	Piezometer	↓
MWD-3	A, X		19368	Surficial	Piezometer	↓
MWD-4	A, X		19369	Floridan	Piezometer	↓
MWC-7	A		21190	Floridan	Piezometer	↓
PZ-2	A		22033	Floridan	Piezometer	↓
PZ-3	A		22034	Surficial	Piezometer	↓
PZ-7	A		19588	Surficial	Piezometer	↓

Monitoring plan changes associated with operation in Phase Areas D1, E3, southern half F1, D2, E2, southern half F2, D3, and E1

MWD-9	C		22804	Floridan	Abandoned	See Figure 2
MWD-9A	C		N/A	Surficial	Abandoned	↓
MWD-10	D, Y		22805	Floridan	Detection	↓
MWD-10A	D, Y		N/A	Surficial	Detection	↓

Monitoring plan changes associated with operation in Phase Areas D1, E3, southern half F1, D2, E2, southern half F2, D3, E1, F3, and northern half F2

MWC-7A	E, Y		22807	Floridan	Detection	See Figure 2
MWC-7B	E, Y		N/A	Surficial	Detection	↓

Monitoring plan changes associated with operation in Phase Areas D1, E3, southern half F1, D2, E2, southern half F2, D3, E1, F3, northern half F2, and northern half F1

MWD-11	F		22806	Floridan	Abandoned	See Figure 2
MWD-11A	F		N/A	Surficial	Abandoned	↓
MWC-8	A, X		21191	Floridan	Detection	↓

Proposed surficial aquifer and Floridan aquifer monitor wells shall be constructed in accordance with the details provided in Section 6.3 ("Well Construction") of the document entitled "Geotechnical and Hydrogeologic Investigation, Hewitt-Logan C&D Landfill, County Road 466A, Sumter County, Florida," prepared by Andreyev Engineering, Inc. (AEI), dated June 23, 2000, revised July 27, 2007, and August 17, 2007 [ref.SC#A.2.a.(1)].

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.3., continued)

A = existing monitoring well or piezometer

B = to be installed within 30 days of issuance of permit #172478-006-SO

C = to be abandoned at least 30 days prior to the construction of Phase Area E1; documentation of well abandonment shall be submitted in accordance with Specific Condition #E.6.

D = to be installed at least 30 days prior to disposal of waste in Phase Area E1

E = to be installed at least 30 days prior to disposal of waste in Phase Area F3

F = to be abandoned at least 30 days prior to the construction of the north half of Phase Area F1; documentation of well abandonment shall be submitted in accordance with Specific Condition #E.6.

X = construction details previously provided, initial sampling event previously conducted

Y = documentation of well construction shall be submitted in accordance with Specific Condition B.2.a. and in accordance with Specific Condition #E.5.a., and #E.5.c.; an initial sampling event shall be conducted within 7 days of well installation and development for the parameters listed in Specific Condition #E.4.b.; results of the initial sampling event shall be submitted within 30 days of receipt from the analytical laboratory.

Wells MWC-7A, MWD-9, MWD-10 and MWD-11 are intended to be completed in the uppermost limestone sediments of the Floridan aquifer. In the event that a localized surficial aquifer composed of the sandy, silty, and clayey sediments overlying the first confining unit appears to be present at any of these locations, surficial aquifer wells MWC-7B, MWD-9A, MWD-10A and/or MWD-11A shall be installed. The results of exploratory soil borings, soil testing, ground water elevation measurements and proposed construction details for these surficial aquifer wells shall be provided to the Department for review and approval prior to monitor well installation. Construction details to be provided for review shall include total well depth, top and bottom well screen elevations, seasonal ground water elevation range, screen slot size, and sand pack size. The top of the screened interval in each surficial aquifer monitor well shall be set above the wet season water table surface.

Under no circumstances shall any of the monitor wells or piezometers at the facility be constructed so that the screened interval is open to the sediments of both the surficial and Floridan aquifers. The annular space of each well and piezometer shall be sealed to prevent the movement of ground water across the first confining unit.

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

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

4. Ground Water Sampling. The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with the Class G-II ground water standards referenced in Chapter 62-520.420, F.A.C., and with the ground water minimum criteria referenced in Chapter 62-520.400, F.A.C. Compliance with ground water standards shall be based on the analysis of unfiltered samples.

a. Ground water levels shall be measured at all active wells and piezometers listed in Specific Condition #E.3., during all sampling events described in Specific Conditions #E.4.b., #E.4.c., and #E.4.d., to a precision of 0.01 foot. The ground water surface contour maps shall be prepared for each sampling event to include ground water elevations (using a consistent, nationally recognized datum) calculated for each monitor well and piezometer.
Amended 04-23-2010.

b. An "initial sampling event" shall be conducted **within 7 days of installation and development** of all new monitor wells (including wells MWC-7A, MWD-9, MWD-10 and MWD-11) for analysis of the following parameters:

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

Results of "initial sampling events" shall be submitted **within 30 days of receipt** from the analytical laboratory.
Amended 04-23-2010.

c. Routine ground water sampling events shall be conducted **quarterly** for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Static Water Level before purging	Total Ammonia - N	Aluminum
Specific Conductivity	Chlorides	Arsenic
pH	Nitrate	Cadmium
Dissolved Oxygen	Sulfate	Chromium
Turbidity	Total Dissolved Solids (TDS)	Iron
Temperature	Total Phenols Xylenes	Lead
Colors and sheens (by obs.)	Those parameters listed in <u>EPA Methods 601 and 602</u>	
		Mercury
		Sodium

Monitor wells shall be included in the **quarterly** sampling events following completion of the "initial sampling event" in accordance with the schedule provided in Specific Condition #E.3.
Amended 04-23-2010.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements
(Specific Condition #E.4., continued)

d. A "renewal sampling event" shall be conducted and included in the Monitoring Plan Evaluation Report due **September 1, 2012**, as indicated in Specific Condition #E.11., for the parameters referenced in Rule 62-701.730(4)(b)5, F.A.C., as follow:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Static Water Level before purging	Total Ammonia - N	Aluminum
Specific Conductivity	Chlorides	Iron
pH	Nitrate	Mercury
Dissolved Oxygen	Sulfate	Sodium
Turbidity	Total Dissolved Solids (TDS)	
Temperature	Total Phenols	
Colors and sheens (by obs.)	<u>Those parameters listed in</u>	
Amended 04-23-2010 .	<u>40 CFR Part 258, Appendix I</u>	

5. **Ground Water Monitor Well Construction.** Prior to construction of any new or replacement wells (excluding the wells listed in Specific Condition #E.3.), the permittee shall request and receive Department approval of a minor permit modification. The following information shall be submitted for the wells listed in Specific Condition #E.3., and for any other new or replacement wells **within 90 days of installation**, or as stated below:

a. 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. 62-701.900(30), Monitor Well Completion Form (**attached**).

b. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Specific Condition #E.4.b., to comply with the requirements of Rules 62-701.510(8)(a) and (8)(d), F.A.C., plus aluminum ~~phenols~~, and sulfate to establish initial ground water quality for that well.
Amended 04-23-2010.

c. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitor wells and piezometers (active and abandoned) horizontally located in degrees, minutes and seconds of latitude and longitude, and the elevation of the top of the well casing and ground surface by the well casing to the nearest 0.01 foot, using a consistent, nationally recognized 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 Licensed Professional Surveyor and Mapper.
Amended 04-23-2010.

6. **Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition #E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well/piezometer abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

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 criteria in any detection well, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring as described in Rules 62-701.510(7) (a) and 62-701.510(7) (b), F.A.C. If monitoring parameters are detected at concentrations significantly above background water quality, and 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) (c), F.A.C.
Amended 04-23-2010.

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.). Representative samples of stormwater discharged from the facility's stormwater management system shall be collected for each discharge event for analysis of the parameters listed in Specific Condition #E.8.b. The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the surface water criteria established for the individual parameters to demonstrate compliance with Class III surface water (predominantly freshwater) criteria referenced in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.

a. Stormwater samples shall be collected during discharge events from the weir structure located in the northeast water retention area (sampling location name designated "SW-1," WACS Testsite ID #22808) and from the weir structure located in the northwest water retention area (sampling location designated "SW-2," WACS Testsite ID #22809) as shown on Figure 2 entitled "Proposed Additional Monitoring Well Location Plan," prepared by AEI, received August 17, 2007 (**attached**).

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.8., continued)

b. Surface water sampling shall be conducted **per discharge event** in accordance with the Department's SOPs to comply with the requirements of Rule 62-701.510(4), F.A.C. The Solid Waste Section of the Department's Southwest District office 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:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Specific Conductivity	Unionized ammonia	Aluminum
pH	Total Nitrogen	Arsenic
Dissolved Oxygen	Nitrate	Cadmium
Turbidity	Total hardness (as mg/L CaCO ₃)	Chromium
Temperature	Biochemical Oxygen Demand (BOD ₅)	Copper
Colors and sheens (by observations)	Chemical Oxygen Demand (COD)	Iron
	Total Organic Carbon (TOC)	Lead
	Total Phenols Xylenes	Mercury
	Sulfates	Sodium
	Total Dissolved Solids (TDS)	Zinc
	Total Suspended Solids (TSS)	
	Fecal Coliform	
	Total Phosphates Phosphorus (as mg/L P)	
	Chlorophyll a	
	Chlorides	
	<u>Those parameters listed in EPA</u>	
	<u>Methods 601 and 602</u>	

Results of these analyses shall be provided to the Department **within 30 days of receipt from the analytical laboratory.**

9. **Leachate Sampling.** As the C.R. 466A C&D facility was not constructed with a liner and leachate collection system, the collection of leachate samples for laboratory analysis is not required.

10. **Water Quality Reporting Requirements.** The results of each water quality sampling event conducted at the facility to comply with the Specific Conditions of this permit shall be included in Electronic Data Deliverable (EDD) reports that include:

a. Required water quality monitoring reports and all analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf file format. The water quality EDD shall be provided to the Department in an electronic format consistent with requirements for importing the data into the Department's databases as summarized on the Department's web site at: <http://www.dep.state.fl.us/waste/categories/shw/pages/ADaPT.htm>. Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall provide the information required by Rules 62-701.510(9)(a)1 through 62-701.510(9)(a)10, F.A.C., including:

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

(Specific Condition #E.10.a, continued)

1. Cover letter;
2. Summary of exceedances and recommendations;
3. Ground water contour maps;
4. Chain of custody forms;
5. Water levels, water elevation table;
6. Water Quality Monitoring Certification, using Department Form #62-701.900(31);
7. Appropriate sampling information on Department Form #FD 9000-24 (DEP-SOP-001/01); and,
8. Laboratory and Field data and error logs, as applicable. [In addition to the Adobe pdf file format, this data and associated error logs shall be submitted in an ADaPT-compatible, comma separated text file format.]

The reports of results shall be submitted to:

- Department of Environmental Protection, Southwest District Office, Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, FL 33637-0926; and,
- Department of Environmental Protection, Solid Waste Section 2600 Blair Stone Road, MS 4565, Tallahassee, FL 32399-2400.

b. The permittee shall submit to the Department the results of analyses reported for each sampling event conducted at the facility by the following due dates:

1. Specific Condition #E.4.b. - results of ground water "initial sampling events" shall be submitted **within 30 days from completion of laboratory analyses;**
2. Specific Condition #E.4.c. - results of ground water routine **quarterly** sampling events at the background and detection wells listed in Specific Condition #E.3., shall be submitted **within 60 days from completion of laboratory analyses and no later than January 15th, April 15th, July 15th, and October 15th of each year** for the periods Oct. 1-Dec. 31,, Jan. 1-Mar. 31, Apr. 1-June 30, and July 1-Sep. 30, respectively;
3. Specific Condition #E.4.d. - results of the ground water "renewal sampling event" shall be submitted **within 60 days from completion of laboratory analyses and no later than September 1, 2012;**
4. Specific Condition #E.7. - results of ground water verification events shall be submitted **within 60 days from completion of laboratory analyses;**
5. Specific Condition #E.8.b. - results of surface water "discharge sampling events" from the northeast water retention area or the northwest water retention area shall be submitted **within 30 days from completion of laboratory analyses.**

Amended 04-23-2010 and 09/29/2010.

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

11. **Monitoring Plan Evaluation.** By February 1, 2010 and August 1, 2012, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
March 1, 2010	Second half 2005	Quarter IV, 2009
September 1, 2012	Quarter I, 2010	Quarter II, 2012

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing facility design and operation as related to the prevention of ground water and surface water contamination. Results of the "renewal" sampling event required in Specific Condition #E.4.d., shall be included in the evaluation with a due date of September 1, 2012. 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)(a), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, FL 33637-0926.

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

(THERE ARE NO LANDFILL GAS MANAGEMENT REQUIREMENTS FOR THIS FACILITY)

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

1. **Closure Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted at the C&D debris landfill, the landfill owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Site Closure and Long Term Care Plan [ref. Sp. Cond. #A.2.a.(2)(b)] due to actual operational conditions at the facility. Approval of the updated closure and long term care plan is required prior to implementing closure construction activities. Within **thirty (30) days** after closing has been completed the permittee shall submit documentation and certification of closure construction completion in accordance with Specific Conditions #B.1. above.

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 60 days after reaching design dimensions [ref. Op. Plan, pg. 9], in accordance with the design and sequence of landfill construction specified by the Permit Drawings [ref. Sp. Cond. A.2.a.(3)] and all applicable requirements of Department rules and shall be inspected and maintained as described in the Site Closure and Long Term Care Plan [ref. Sp. Cond. #A.2.a.(2)(b)], and Rule 62-701.730(10), F.A.C.

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

a. The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.730(10), F.A.C., and as specified by the facility Site Closure and Long Term Care Plan [ref. Sp. Cond. #A.2.a.(2)(b)].

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

c. **Prior to implementation**, the owner or operator shall submit a plan for any proposed uses of the closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use, and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate collection, bottom liner), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

ATTACHMENT 1

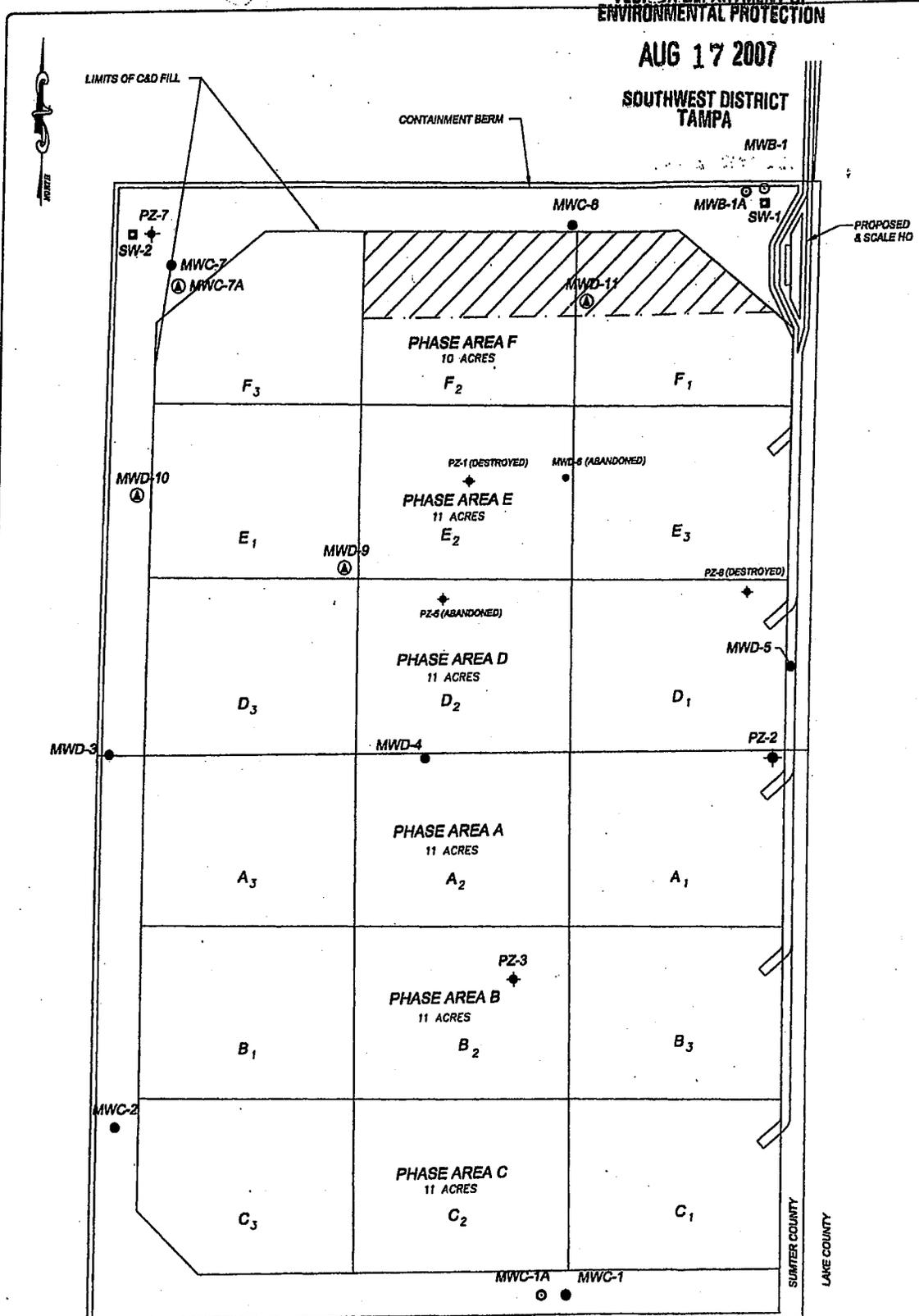
Specific Condition	Submittal Due Date	Required Item
A.4.	On or before September 1, 2012	Submit permit renewal application
A.9.b. & c.	Within 24 hours of discovery	Notification of sinkholes or subsurface instability
	Within 7 days of verbal notification	Written notification & corrective action plan
B.2.a.	Within 60 days of construction completion of each sub-phase	Submit certification of construction completion, record drawings, well construction details, initial sampling results etc.
C.6.b.	Within 24 hours of discovery	Notification of: hazardous waste receipt, failure of landfill systems or equipment
	Within 7 days of verbal notification	Written notification & corrective action plan
C.6.c.	Upon issuance of permit modification	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
C.13.b.	Annually, by April 1 st	Submit annual landfill capacity estimates and topographic survey
D.3.a.	Annually, by April 1 st	Submit annual report (DEP Form 62-701.900(7), F.A.C. to Tallahassee
D.4.a.	Annually, by March 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	Within 90 days of permit issuance	Submit revised cost estimates to include loading, hauling, disposal costs for unacceptable wastes and recyclables.

ATTACHMENT 1, cont.

Specific Condition	Submittal Due Date	Required Item
E.4.b.	Within 30 days of receipt from lab	Submit results of initial sampling of monitor well MWD-9, MWD-9A, MWD-11, MWD-11A, MWD-10, MWD-10A, MWC-7A, MWC-7B, and MWC-8.
E.4.c.	Quarterly	Conduct routine ground water sampling
E.5.	Within 30 days of well installation	Submit new or replacement monitor well construction information and survey
E.8.b.	Within 24 hours of discovery of discharge from the northeast or northwest water retention areas	Conduct surface water "discharge sampling"
E.10.b.1., E.10.b.5.	Within 30 days from completion of laboratory analyses	Submit results of: <ul style="list-style-type: none"> - ground water "initial sampling" - surface water "discharge sampling"
E.10.b.2.	Quarterly, by January 15 th , April 15 th , July 15 th , and October 15 th of each year	Submit results of: <ul style="list-style-type: none"> - routine quarterly ground water sampling
E.10.b.3., E.10.b.4.	Within 60 days from completion of laboratory analyses	Submit results of: <ul style="list-style-type: none"> - ground water "renewal sampling" - ground water "verification sampling"
E.11.	By March 1, 2010 and September 1, 2012	Submit monitoring plan evaluation reports
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit permit modification for updated closure plan

AUG 17 2007

SOUTHWEST DISTRICT TAMPA



LEGEND

- BACKGROUND COMPLIANCE OR DETECTION MONITORING WELL LOCATION
- CLUSTER MONITORING WELL LOCATION
- ◆ PIEZOMETER LOCATION
- ⊙ PROPOSED DETECTION WELL LOCATION
- ▨ AREA TO BE FILLED AT THE END OF FILLING OF THE ENTIRE NORTHERN HALF OF THE SITE (SEE TABLE 2)
- SURFACE WATER SAMPLING LOCATION



Andreyev Engineering, Inc.

GROUNDWATER MONITORING PLAN

C.R.466A
C & D LANDFILL
SUMTER COUNTY, FLORIDA

PROPOSED ADDITIONAL MONITORING WELL LOCATION PLAN
FIGURE 2

SCALE: 1" = 200'
DATE: 08/17/07 ENGINEER: RJ
PN: TPOW-02-115 DRAWN BY: MS



Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(30)

Form Title: Monitoring Well Completion Report

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(3)

MONITORING WELL COMPLETION REPORT

DATE: _____

FACILITY NAME: _____

DEP PERMIT NO.: _____ WACS_FACILITY: _____

WACS MONITORING SITE_NUM.: _____ WACS_WELL: _____

WELL_TYPE: BACKGROUND _____ DETECTION _____ COMPLIANCE _____

LATITUDE AND LONGITUDE (see back for requirements): _____

Coordinate Accuracy _____ Datum _____ Elevation Datum _____

Collection Method _____ Collection Date _____

Collector Name _____ Collector Affiliation _____

AQUIFER MONITORED: _____

DRILLING METHOD: _____ DATE INSTALLED: _____

INSTALLED BY: _____

BORE HOLE DIAMETER: _____ TOTAL DEPTH: _____ (BLS)

CASING TYPE: _____ CASING DIAMETER: _____ CASING LENGTH: _____

SCREEN TYPE: _____ SCREEN SLOT SIZE: _____ SCREEN LENGTH: _____

SCREEN DIAMETER: _____ SCREEN INTERVAL: _____ TO _____
(BLS)

FILTER PACK TYPE: _____ FILTER PACK GRAIN SIZE: _____

INTERVAL COVERED: _____ TO _____ (BLS)

SEALANT TYPE: _____ SEALANT INTERVAL: _____ TO _____ (BLS)

GROUT TYPE: _____ GROUT INTERVAL: _____ TO _____ (BLS)

TOP OF CASING ELEVATION (NGVD): _____ GROUND SURFACE ELEVATION (NGVD): _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): _____

DATE AND TIME MEASURED: _____

REMARKS: _____

NAME OF PERSON PREPARING REPORT: _____

(Name, Organization, Phone No., E-mail)

NOTE: ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1988 (BLS) = BELOW LAND SURFACE

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings (State Plane Coordinates) must be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is preferred.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD88 (National Geodetic Vertical Datum of 1988) is preferred.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.