

*Pasco County*

# **Solid Waste System Upgrade at West Pasco Solid Waste Management Facility**

## **Application for a Permit to Construct, Operate, Modify or Close a Solid Waste Management Facility**

Prepared for  
**Pasco County Public Works Utilities**

May 2010

Dept. of Environmental  
Protection **CH2MHILL**

JUN 16 2010

Southwest District

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**Attachments**

- A Permit Application
- B Aerial Regional Map
- C Construction Drawings
- D Stormwater Report/Geotechnical Report
- E Permit Fee
- F Operations Plan
- G Notice of Application
- H Environmental Resource Permit
- I Citizen Drop Off Layout

## SECTION 1

# Permit Application Checklist (FAC 62-701)

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## 1.1 Executive Summary

*Are we doing old CDO?*

Pasco County (herein referred to as the County) is planning to upgrade the existing West Pasco County Solid Waste System. The intent of the upgrade is to replace existing facilities and add amenities. There are no changes to the function of the facility. The Solid Waste System Upgrade for the Class III Landfill is located on 10.288 acres of land in Pasco County, Florida. The applicant owned area contiguous of this project is 191.03 acres. Attachment C Construction Drawings 00G-C-002 presents the Facility site location map.

The modification to the existing site includes construction of new inbound and outbound scales, bypass lanes, associated roadwork, new scale house and improvements to the recycling area. A new citizen drop off area will be constructed with an attendant building as an alternate bid item. The construction of the Facility is expected to begin in October 2010 and is expected to be substantially completed by May 2011.

In order to construct the modification of the proposed Facility in accordance with Florida Administrative Code (FAC 62-701), a permit to construct and operate, modify or close a solid waste management facility must be obtained from the Florida Department of Environmental Protection (FDEP) prior to beginning construction. The purpose of this permit application is to obtain the permit necessary to construct and operate the Pasco County Solid Waste System Upgrade in order to provide uninterrupted solid waste handling for Pasco County. In accordance with Florida Administrative Code Chapter 62-701 (FAC 62-701) for the FDEP, this application provides the necessary documentation to permit the construction and operation of the proposed Facility.

## 1.2 Facility Owner and Operator

The Facility will be owned and operated by Pasco County. The designated responsible person for this Solid Waste System is:

Bruce Kennedy PE

Assistant County Administrator

*Public Works/Utilities Bldg S-205*

*7530 Little Road*

*New Port Richey, FL 34654*

Phone: 727.847.8145

### **1.3 Application {FDEP Form 62-701.900(1)}**

This application provides the location and disposition of information listed in the FDEP Waste Processing Facility Application Form No. 62-701.900(1). The format follows the information sequence of the application form. Application is found in Attachment A.

#### **1.3.1 PART A – General Information**

The required information for this section is included on the application form presented at the end of this section in Attachment A for the Class III landfill for intermediate modification for construction/operation.

#### **1.3.2 PART B – Disposal Facility General Information**

The required information for this section is included on the application form presented at the end of this section in Attachment A.

#### **1.3.3 PART C – Prohibitions**

The section has No Substantial Change.

#### **1.3.4 PART D – Solid Waste Management Facility Permit Requirements**

The required information for this section is included on the application form presented at the end of this section in Attachment A,B, C, or E or has No Substantial Change.

#### **1.3.5 PART E – Landfill Permit Requirements**

There are no changes to the landfill therefore this section has No Substantial Change.

#### **1.3.6 PART F – General Criteria for Landfills**

There are no changes to the landfill therefore this section has No Substantial Change.

#### **1.3.7 PART G – Landfill Construction Requirements**

There are no changes to the landfill therefore this section has No Substantial Change.

#### **1.3.8 PART H – Hydrogeological Ingestion Requirements**

The section has No Substantial Change.

#### **1.3.9 PART I – Geotechnical Investigation Requirements**

The required information for this section is included on the application form presented at the end of this section in Attachment D and within the geotechnical report.

#### **1.3.10 PART J – Vertical Expansion of Landfills**

The section is Not Applicable.

#### **1.3.11 PART K – Landfill Operation Requirements**

There are no changes to the landfill therefore this section has No Substantial Change.

### **1.3.12 PART L – Water Quality and Leachate Requirements**

The section has No Substantial Change.

### **1.3.13 PART M – Special Waste Handling Requirements**

The section is Not Applicable.

### **1.3.14 PART N – Gas Management System Requirements**

The section has No Substantial Change.

### **1.3.15 PART O – Landfill Closure Requirement**

The section is Not Applicable or has No Substantial Change.

### **1.3.16 PART P – Other Closure Requirements**

The section is Not Applicable.

### **1.3.17 PART Q – Long Term Care Requirements**

The section has No Substantial Change

### **1.3.18 PART R – Financial Assurance**

The section has No Substantial Change

### **1.3.19 PART S – Certification by Applicant and Engineer or Public Officer**

The required information for this section is included on the application form presented at the end of this section in Attachment A.

## **1.4 Other Requirements**

### **1.4.1 Zoning Map & Land Use {FAC 62-701.330(3)(a)}**

A Zoning Map and Land Use Map showing the Comprehensive Plan has no substantial change and can be found in the original application.

### **1.4.2 Vicinity Map {FAC 62-701.330(3)(b)}**

An aerial photograph showing homes or other structures, water bodies, roads and other significant features of the region within a one mile radius of the project is included in Attachment B.

A Certification of Construction Completion using FDEP Form No. 62-701.900(2) will be submitted to the Department after all specified construction has been completed and before acceptance of any solid waste in accordance with FAC 62-701.710(5).

## SECTION 2

# Additional Information (62-701, FAC)

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## 2.1 Solid Waste

The Pasco County Class III Landfill will collect, store, process, and dispose of construction demolition and debris from residential and commercial sources.

## 2.2 Site Plan

Proposed design drawings including a proposed site plan with a scale 1" = 30' can be found in Attachment E as part of this Construction Drawings. The site is located in Pasco County, Florida, on Section 25 and 26, Township 24, Range 17 at 14230 Hays Road Spring Hill, FL, 34610-3823.

The site is approximately 10.288 acres in size. There are isolated wetlands within 200 feet of the site.

## 2.3 Operations and Function of Processing Facility

The existing facility will remain as currently operated. Addition to the facility will include new inbound and outbound scales, bypass lanes, associated roadwork, and new scale house. A new citizen drop off area may be constructed with an attendant building, this will be an alternate bid item on plans.

The above grade platform scales will include one (1) inbound and one (1) outbound. With inbound and outbound bypass lanes around each set of scales. The Fairbanks scales are identical to the scale being installed at the wastewater plant will be sole sourced. The County currently uses PC Scale software.

Additional road for egress of unacceptable customer loads and the re-scaling of tractor-trailer loads from recycle area carrying materials off site.

There is a proposed canopy over the scales. Lighting will be provided under the canopy. There are proposed gates at all scales and bypass lanes.

The citizen drop off area is comprised of a stationary compactor and bay areas for open top boxes, an attendant building, a canopied golf cart parking area and a bulky household items holding area. ~~household hazardous holding Area~~. The compaction and open top boxes will be under a canopy to minimize the potential for leachate production.

The Facility will be open for receiving and disposing material between the hours of 7:00 a.m. to 5:00 p.m. from Monday through Saturday. The last load accepted is 4:30 p.m. The gates to the scale houses close at 5:00 p.m. The Facility will be closed on Sundays, and City approved State, and national holidays.

The following policies apply to the CDO:

Per the West Pasco County Class III Landfill website the current policies that are strictly enforced are as follows:

- The citizen drop-off area is for residential use only. No business or commercial use will be permitted.
- ~~All commercial haulers will be charged \$56.70 per ton for all debris, including scrap metal.~~
- Only normal household waste that would be placed at the curbside for regular pickup shall be exempt from payment.
- ~~Exceptionally large loads of furniture or other waste (to be determined by the Solid Waste Attendant) will be escorted to the tipping floor of the waste-to-energy facility and will be charged the going rate, which is currently \$56.70 per ton.~~
- ~~Mixed loads requiring special handling will be accepted and charged at the going rate, which is currently \$56.70 per ton. (This means solid waste and/or construction debris or other waste that cannot be incinerated.)~~
- All M.S.W. (garbage) from households must be in a closed container (i.e., bags, boxes, etc.); no charge.
- Furniture (metal not included) may still be placed in the citizen drop-off container. Exception: sleeper sofas will be sent to the Class III Landfill. No M.S.W. will be permitted in the Class III Landfill.
- "Out of County" waste will not be accepted.
- ~~All gas and oil must be removed prior to disposal of engines.~~

For a more detailed description of facility operations, including procedures for start up operations, scheduled (daily and weekend) and unscheduled (due to equipment breakdown, fire and natural disaster, etc.) shut down operations, and safety hazard and control methods refer to the *West Pasco Class III Landfill Operations and Maintenance Manual*.

## 2.4 Facility Design Requirements

The scale house building will be an enclosed building of approximately 621 square feet. The building will be one-story building with a work area, break area, file storage, restroom, and IT room. The building floor plan is included as Attachment C Construction Drawings Sheet 10-A-102.

All interior spaces for the scale house building will be air conditioned and heated. The heater and air conditioned system will be packaged, rooftop, direct expansion (DX) heat pump, with auxiliary electric heating as needed. HVAC systems will be designed to maintain the following space temperature set points: Cooling: 75 degrees F, Heating: 70 degrees F.

The attendant building is will be designed as a modular building using insulated aluminum panel, steel door assemblies, aluminum windows storm shutters approximately 450 square feet. The building will include an attendant room, rest room, and a garage. The building floor plan is included in Attachment C Design Drawings Sheet 30-P-101.

All interior spaces for the attendant building will be air conditioned and heated. The heater and air conditioned system will be packaged, wall mount, direct expansion (DX) heat pump, with auxiliary electric heating as needed. HVAC systems will be designed to maintain the following space temperature set points: Cooling: 75 degrees F, Heating: 70 degrees F.

## **2.5 Loading, Unloading and Processing Area**

For a detailed description of loading, unloading, and processing area procedures refer to the *West Pasco Class III Landfill Operations and Maintenance Manual*.

## **2.6 Topographic Survey and Legal Description**

A topographic survey of the project site was conducted by CH2M HILL. The legal description is in the original approved permit and has not been changed.

## **2.7 Operation Plan**

The Operation Plan requirements are addressed in *West Pasco Class III Landfill Operations and Maintenance Manual*. The improvements will be operated in the same manner as the existing facility guidelines.

## **2.8 Closure Plan**

A Closure Plan identifying the steps and procedures to close the Facility in accordance with FAC 62-701.710(6) is has no changes.

## **2.9 Stormwater Control**

Stormwater at the Facility will be controlled in accordance with Part IV of Chapter 373, F. S., and the rules promulgated thereunder. An Environmental Resource Permit Application is being prepared by CH2M HILL and will be submitted to FDEP's Southwest District for review. A copy of the Stormwater Report is found Attachment D.

## **2.10 Recordkeeping Requirements**

The Facility will exercise good recordkeeping activities. Records will be maintained on a daily basis. The information recorded will include quantities of solid waste received, processed, stored, and removed for recycling or disposal. The city of origin of the waste will be recorded.

The daily records will be compiled on a monthly basis and will be available at all times for inspection by the FDEP. The records will be saved for a minimum of three years.

Quarterly Reports will be submitted to FDEP Southwest District office. These reports will be due January 1, April 1, July 1, and October 1 of each year. Annual Reports will be submitted on Form 62-701.900(7) to FDEP Tallahassee office with a copy to FDEP Tampa office. The Annual Report will be due April 1 of each year".

The daily records will be compiled on a monthly basis and will be available at all times for inspection by the FDEP. The records will be saved for a minimum of three years.

Quarterly Reports will be submitted to FDEP Southwest District office. These reports will be due January 1, April 1, July 1, and October 1 of each year. Annual Reports will be submitted on Form 62-701.900(7) to FDEP Tallahassee office with a copy to FDEP Tampa office. The Annual Report will be due April 1 of each year."

**Attachment A**  
**Permit Application**

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Florida Department of Environmental Protection  
Bob Martinez Center • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(1)  
Form Title Application to Construct, Operate, Modify, or  
Close a Solid Waste Management Facility Permit  
Effective Date January 6, 2010  
Incorporated in Rule 62-701.330(3)

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
JUN 16 2010  
SOUTHWEST DISTRICT  
TAMPA

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR A PERMIT TO CONSTRUCT,  
OPERATE, MODIFY OR CLOSE  
A SOLID WASTE MANAGEMENT FACILITY

APPLICATION INSTRUCTIONS AND FORMS

Northwest District  
160 Governmental Center  
Pensacola, FL 32502-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. B200  
Jacksonville, FL 32256-7590  
904-807-3300

Central District  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
407-894-7555

Southwest District  
13051 N. Telecom Pkwy  
Temple Terrace, FL 33637  
813-632-7600

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33901-3881  
239-332-6975

Southeast District  
400 North Congress Ave.  
West Palm Beach, FL 33401  
561-681-6600

## **INSTRUCTIONS TO APPLY FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT**

### **I. General**

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes, (FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department's District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

Complete appropriate sections for the type of facility for which application is made. Entries shall be typed or printed in ink. All blanks shall be filled in or marked "not applicable" or "no substantial change". Information provided in support of the application shall be marked "submitted" and the location of this information in the application package indicated. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to complete the application is listed on the attached pages of this form.

### **II. Application Parts Required for Construction and Operation Permits**

- A. Landfills and Ash Monofills - Submit Parts A through S
- B. Asbestos Monofills - Submit Parts A,B,C,D,E,F,I,K,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A through S

**NOTE:** Portions of some Parts may not be applicable.

**NOTE:** For facilities that have been satisfactorily constructed in accordance with their construction permit, the information required for A, B and C type facilities does not have to be resubmitted for an operation permit if the information has not substantially changed during the construction period. The appropriate portion of the form should be marked "no substantial change".

### **III. Application Parts Required for Closure Permits**

- A. Landfills and Ash Monofills - Submit Parts A,B,L, N through S
- B. Asbestos Monofills - Submit Parts A,B,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A,B, L through S

**NOTE:** Portions of some Parts may not be applicable.

### **IV. Permit Renewals**

The above information shall be submitted at time of permit renewal in support of the new permit. However, facility information that was submitted to the Department to support the expiring permit, and which is still valid, does not need to be re-submitted for permit renewal. Portions of the application not re-submitted shall be marked "no substantial change" on the application form.

**V. Application Codes**

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

**VI. LISTING OF APPLICATION PARTS**

PART A:	GENERAL INFORMATION
PART B:	DISPOSAL FACILITY GENERAL INFORMATION
PART C:	PROHIBITIONS
PART D:	SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL
PART E:	LANDFILL PERMIT REQUIREMENTS
PART F:	GENERAL CRITERIA FOR LANDFILLS
PART G:	LANDFILL CONSTRUCTION REQUIREMENTS
PART H:	HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS
PART I:	GEOTECHNICAL INVESTIGATION REQUIREMENTS
PART J:	VERTICAL EXPANSION OF LANDFILLS
PART K:	LANDFILL OPERATION REQUIREMENTS
PART L:	WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS
PART M:	SPECIAL WASTE HANDLING REQUIREMENTS
PART N:	GAS MANAGEMENT SYSTEM REQUIREMENTS
PART O:	LANDFILL CLOSURE REQUIREMENTS
PART P:	OTHER CLOSURE PROCEDURES
PART Q:	LONG-TERM CARE
PART R:	FINANCIAL ASSURANCE
PART S:	CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

Revised:  
October 2010

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE  
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

**PART A. GENERAL INFORMATION**

1. Type of disposal facility (check all that apply):

- |  |  |
|--|--|
| <input type="checkbox"/> Class I Landfill              | <input type="checkbox"/> Ash Monofill      |
| <input checked="" type="checkbox"/> Class III Landfill | <input type="checkbox"/> Asbestos Monofill |
| <input type="checkbox"/> Industrial Solid Waste        |  |
| <input type="checkbox"/> Other Describe: _____         |  |

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
OCT 12 2010  
SOUTHWEST DISTRICT  
TAMPA

**NOTE:** Waste Processing Facilities should apply on Form 62-701.900(4), FAC;  
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;  
Compost Facilities should apply on Form 62-701.900(10), FAC; and  
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

- ☐ Construction  
☐ Operation  
☒ Construction/Operation  
☐ Closure  
☐ Long-term Care Only

3. Classification of application:

- |                                  |   |
|----------------------------------|---|
| <input type="checkbox"/> New     | <input type="checkbox"/> Substantial Modification             |
| <input type="checkbox"/> Renewal | <input checked="" type="checkbox"/> Intermediate Modification |
|                                  | <input type="checkbox"/> Minor Modification                   |

4. Facility name: West Pasco County Class III Landfill

5. DEP ID number: 92303 \_\_\_\_\_ County: Pasco

6. Facility location (main entrance):  
14230 HAYS ROAD SPRING HILL, FL 34610-3823

7. Location coordinates:

Section: 26 Township: 24 Range: 17

Latitude: 82 ° 34 ' 06 " Longitude: 28 ° 22 ' 22 "

Datum: NAVD 88

Coordinate Method: \_\_\_\_\_

Collected by: \_\_\_\_\_ Company/Affiliation: \_\_\_\_\_

8. Applicant name (operating authority): Pasco County-Public Works/Utilities

Mailing address: Bld S-205 7530 Little Road, New Port Richey, FL 34654  
Street or P.O. Box City State Zip

Contact person: Bruce Kennedy PE Telephone: (727)847.8145

Title: Assistant County Administrator-Utility Services Branch

E-Mail address (if available: Bkennedy@pascountyfl.net

9. Authorized agent/Consultant: CH2M HILL

Mailing address: 3011 SW Williston Road, Gainesville, FL 32608-3964  
Street or P.O. Box City State Zip

Contact person: R.J. Bruner III, PE Telephone: (352)384-7023

Title: Project Manager

E-Mail address (if available): bbruner@ch2m.com

10. Landowner(if different than applicant): N/A

Mailing address: N/A  
Street or P.O. Box City State Zip

Contact person: N/A Telephone: ( ) N/A

E-Mail address (if available: N/A

11. Cities, towns and areas to be served: Incorporated and unincorporated areas of Pasco County

12. Population to be served:

Current: 471,028 Five-Year  
Projection: 507,100

13. Date site will be ready to be inspected for completion: May 2011

14. Expected life of the facility: 42-52 years

15. Estimated costs: Scale House \$1,894,691 CDO Alternate \$4,369,061

Total Construction: \$ \_\_\_\_\_ Closing Costs: \$ \_\_\_\_\_

16. Anticipated construction starting and completion dates:

From: October 2010 To: May 2011

17. Expected volume or weight of waste to be received:

\_\_\_\_\_ yds<sup>3</sup>/day N/C \_\_\_\_\_ tons/day \_\_\_\_\_ gallons/day

**PART B. DISPOSAL FACILITY GENERAL INFORMATION**

1. Provide brief description of disposal facility design and operations planned under this application:

Construct new inbound and outbound scales, bypass lanes, associated roadwork, new scale house. A new citizen drop off area (CDO) will be constructed with an attendant building. The new CDO will be a bid alternate.

2. Facility site supervisor: Ronald J. Walker

Title: Solid Waste Superintendent

Telephone: (727) 861-3004

E-Mail address (if available)

3. Disposal area: Total 20 acres Used: \_\_\_ acres Available: N/C acres

4. Weighing scales used: ☒ Yes ☐ No

5. Security to prevent unauthorized use: ☒ Yes ☐ No

6. Charge for waste received: \_\_\_\_\_ \$/yds<sup>3</sup> \$56.70 \$/ton

7. Surrounding land use, zoning:

<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Industrial
<input checked="" type="checkbox"/> Agricultural	<input type="checkbox"/> None
<input type="checkbox"/> Commercial	<input type="checkbox"/> Other Describe: _____

8. Types of waste received:

<input type="checkbox"/> Household	<input checked="" type="checkbox"/> C & D debris
<input type="checkbox"/> Commercial	<input type="checkbox"/> Shredded/cut tires
<input type="checkbox"/> Incinerator/WTE ash	<input type="checkbox"/> Yard trash
<input type="checkbox"/> Treated biomedical	<input type="checkbox"/> Septic tank
<input type="checkbox"/> Water treatment sludge	<input type="checkbox"/> Industrial
<input type="checkbox"/> Air treatment sludge	<input type="checkbox"/> Industrial sludge
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Domestic sludge
<input type="checkbox"/> Asbestos	

Other Describe: \_\_\_\_\_

9. Salvaging permitted: ☐ Yes ☒ No

10. Attendant: ☒ Yes ☐ No Trained operator: ☒ Yes ☐ No

11. Trained spotters: ☒ Yes ☐ No Number of spotters used: 27 all employees trained

12. Site located in: ☐ Floodplain ☐ Wetlands ☒ Other: Expansion to existing site, Woods

13. Days of operation: Monday - Saturday
14. Hours of operation: 7:00 am - 5:00 pm
15. Days Working Face covered:
16. Elevation of water table: 6 ft below ground surface (seasonal)  
Datum Used: NAVD 88
17. Number of monitoring wells: N/C
18. Number of surface monitoring points: N/C
19. Gas controls used: ☐ Yes ☒ No Type controls: ☐ Active ☐ Passive  
Gas flaring: ☐ Yes ☒ No Gas recovery: ☐ Yes ☒ No
20. Landfill unit liner type:
- |  |  |
|--|--|
| <input type="checkbox"/> Natural soils                 | <input type="checkbox"/> Double geomembrane      |
| <input type="checkbox"/> Single clay liner             | <input type="checkbox"/> Geomembrane & composite |
| <input checked="" type="checkbox"/> Single geomembrane | <input type="checkbox"/> Double composite        |
| <input type="checkbox"/> Single composite              | <input type="checkbox"/> None                    |
| <input type="checkbox"/> Slurry wall                   |  |
| <input type="checkbox"/> Other Describe:               |  |
21. Leachate collection method:
- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Collection pipes | <input type="checkbox"/> Sand layer         |
| <input type="checkbox"/> Geonets                     | <input type="checkbox"/> Gravel layer       |
| <input type="checkbox"/> Well points                 | <input type="checkbox"/> Interceptor trench |
| <input type="checkbox"/> Perimeter ditch             | <input type="checkbox"/> None               |
| <input type="checkbox"/> Other Describe:             |   |
22. Leachate storage method:
- ☐ Tanks
- ☐ Surface impoundments
- ☒ Other Describe: Pumped to Waste Water Treatment Plant
23. Leachate treatment method:
- |   |   |
|---|---|
| <input type="checkbox"/> Oxidation        | <input type="checkbox"/> Chemical treatment |
| <input type="checkbox"/> Secondary        | <input type="checkbox"/> Settling           |
| <input type="checkbox"/> Advanced         |   |
| <input type="checkbox"/> None             |   |
| <input checked="" type="checkbox"/> Other | Treated at Waste Water Treatment Plant      |
24. Leachate disposal method:
- |  |  |
|--|--|
| <input type="checkbox"/> Recirculated        | <input checked="" type="checkbox"/> Pumped to WWTP           |
| <input type="checkbox"/> Transported to WWTP | <input type="checkbox"/> Discharged to surface water/wetland |
| <input type="checkbox"/> Injection well      | <input type="checkbox"/> Percolation ponds                   |
| <input type="checkbox"/> Evaporation         | <input type="checkbox"/> Spray Irrigation                    |
| <input type="checkbox"/> Other               |  |

25. For leachate discharged to surface waters:

Name and Class of receiving water: N/A \_\_\_\_\_

26. Storm Water:

Collected: ☒ Yes ☐ No

Type of treatment: Retention

Name and Class of receiving water: N/A

27. Environmental Resources Permit (ERP) number or status: Updated submitted in progress  
old SWFWD Permit # 40-3002

**PART C. PROHIBITIONS (62-701.300, FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>		
—	—	—	X	1.	Provide documentation that each of the siting criteria will be satisfied for the facility; (62-701.300(2), FAC)
—	—	—	X	2.	If the facility qualifies for any of the exemptions contained in Rules 62-701.300(12) through (18), FAC, then document this qualification(s).
—	—	—	X	3.	Provide documentation that the facility will be in compliance with the burning restrictions; (62-701.300(3), FAC)
—	—	—	X	4.	Provide documentation that the facility will be in compliance with the hazardous waste restrictions; (62-701.300(4), FAC)
—	—	—	X	5.	Provide documentation that the facility will be in compliance with the PCB disposal restrictions; (62-701.300(5), FAC)
—	—	—	X	6.	Provide documentation that the facility will be in compliance with the biomedical waste restrictions; (62-701.300(6), FAC)
—	—	—	X	7.	Provide documentation that the facility will be in compliance with the Class I surface water restrictions; (62-701.300(7), FAC)
—	—	—	X	8.	Provide documentation that the facility will be in compliance with the special waste for landfills restrictions; (62-701.300(8), FAC)
—	—	—	X	9.	Provide documentation that the facility will be in compliance with the liquid restrictions; (62-701.300(10), FAC)
—	—	—	X	10.	Provide documentation that the facility will be in compliance with the used oil and oily waste restrictions; (62-701.300(11), FAC)

**PART D. SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL (62-701.320, FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>		
<u>X</u>	Included within	___	___	1.	Four copies, at minimum, of the completed application form, all supporting data and reports; (62-701.320(5)(a), FAC)
<u>X</u>	Attachment A	___	___	2.	Engineering and/or professional certification (signature, date and seal) provided on the applications and all engineering plans, reports and supporting information for the application; (62-701.320(6), FAC)
<u>X</u>	Prior to Cover Page	___	___	3.	A letter of transmittal to the Department; (62-701.320(7)(a), FAC)
<u>X</u>	Attachment A	___	___	4.	A completed application form dated and signed by the applicant; (62-701.320(7)(b), FAC)
<u>X</u>	Attachment E	___	___	5.	Permit fee specified in Rule 62-701.315, FAC in check or money order, payable to the Department; (62-701.320(7)(c), FAC)
___	___	___	<u>X</u>	6.	An engineering report addressing the requirements of this rule and with the following format: a cover sheet, text printed on 8 1/2 inch by 11 inch consecutively numbered pages, a table of contents or index, the body of the report and all appendices including an operation plan, contingency plan, illustrative charts and graphs, records or logs of tests and investigations, engineering calculations; (62-701.320(7)(d), FAC)
___	___	___	<u>X</u>	7.	Operation Plan and Closure Plan; (62-701.320(7)(e)1, FAC)
___	___	___	<u>X</u>	8.	Contingency Plan; (62-701.320(7)(e)2, FAC)
___	___	___	___	9.	Plans or drawings for the solid waste management facilities in appropriate format (including sheet size restrictions, cover sheet, legends, north arrow, horizontal and vertical scales, elevations referenced to NGVD 1929) showing; (62-701.320(7)(f), FAC)
<u>X</u>	Attachment B	___	___	a.	A regional map or plan with the project location in relation to major roadways and population centers;
___	___	___	<u>X</u>	b.	A vicinity map or aerial photograph no more than 1 year old showing the facility site and relevant surface features located within 1000 feet of the facility;
___	___	___	<u>X</u>	c.	A site plan showing all property boundaries certified by a Florida Licensed Professional Surveyor and Mapper; and

S      LOCATION      N/A    N/C

**PART D CONTINUED**

- |          |                            |     |     |     |   |
|----------|----------------------------|-----|-----|-----|---|
| <u>X</u> | Attachment C               | ___ | ___ | d.  | Other necessary details to support the engineering report, including referencing elevations to a consistent, nationally recognized datum and identifying the method used for collecting latitude and longitude data.  |
| ___      | ___                        | ___ | X   | 10. | Documentation that the applicant either owns the property or has legal authority from the property owner to use the site; (62-701.320(7)(g),FAC)  |
| ___      | ___                        | ___ | X   | 11. | For facilities owned or operated by a county, provide a description of how, if any, the facilities covered in this application will contribute to the county's achievement of the waste reduction and recycling goals contained in Section 403.706,FS; (62-701.320(7)(h),FAC)               |
| <u>X</u> | County to provide          | ___ |     | 12. | Provide a history and description of any enforcement actions taken by the Department against the applicant for violations of applicable statutes, rules, orders or permit conditions relating to the operation of any solid waste management facility in this state; (62-701.320(7)(i),FAC) |
| <u>X</u> | Will provide when required |     |     | 13. | Proof of publication in a newspaper of general circulation of notice of application for a permit to construct or substantially modify a solid waste management facility; (62-702.320(8),FAC)  |
| ___      | ___                        | X   | ___ | 14. | Provide a description of how the requirements for airport safety will be achieved including proof of required notices if applicable. If exempt, explain how the exemption applies; (62-701.320(13),FAC)   |
| ___      | ___                        | ___ | X   | 15. | Explain how the operator and spotter training requirements and special criteria will be satisfied for the facility; (62-701.320(15), FAC)   |

**PART E.      LANDFILL PERMIT REQUIREMENTS (62-701.330, FAC)**

S      LOCATION      N/A    N/C

- |     |     |     |   |    |   |
|-----|-----|-----|---|----|---|
| ___ | ___ | ___ | X | 1. | Regional map or aerial photograph no more than 5 years old showing all airports that are located within five miles of the proposed landfill; (62-701.330(3)(a),FAC) |
| ___ | ___ | ___ | X | 2. | Plot plan with a scale not greater than 200 feet to the inch showing; (62-701.330(3)(b),FAC)  |
| ___ | ___ | ___ | X | a. | Dimensions;   |
| ___ | ___ | ___ | X | b. | Locations of proposed and existing water quality monitoring wells;  |

S      LOCATION      N/A    N/C

**PART E CONTINUED**

- c.    Locations of soil borings;
- d.    Proposed plan of trenching or disposal areas;
- e.    Cross sections showing original elevations and proposed final contours which shall be included either on the plot plan or on separate sheets;
- f.    Any previously filled waste disposal areas;
- g.    Fencing or other measures to restrict access.

3.    Topographic maps with a scale not greater than 200 feet to the inch with 5-foot contour intervals showing;  
(62-701.330(3)(c), FAC):

- a.    Proposed fill areas;
- b.    Borrow areas;
- c.    Access roads;
- d.    Grades required for proper drainage;
- e.    Cross sections of lifts;
- f.    Special drainage devices if necessary;
- g.    Fencing;
- h.    Equipment facilities.

4.    A report on the landfill describing the following;  
(62-701.330(3)(d), FAC)

- a.    The current and projected population and area to be served by the proposed site;
- b.    The anticipated type, annual quantity, and source of solid waste, expressed in tons;
- c.    Planned active life of the facility, the final design height of the facility and the maximum height of the facility during its operation;
- d.    The source and type of cover material used for the landfill.

5.    Provide evidence that an approved laboratory shall conduct water quality monitoring for the facility in accordance with Chapter 62-160, FAC;  
(62-701.330(3)(g), FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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**PART E CONTINUED**

- |   |   |   |   |   |
|---|---|---|---|---|
| — | — | — | X | 6. Provide a statement of how the applicant will demonstrate financial responsibility for the closing and long-term care of the landfill;<br>(62-701.330(3)(h),FAC) |
|---|---|---|---|---|

**PART F. GENERAL CRITERIA FOR LANDFILLS (62-701.340,FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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- |   |              |   |   |  |
|---|--------------|---|---|--|
| X | Attachment D | — | — | 1. Describe (and show on a Federal Insurance Administration flood map, if available) how the landfill or solid waste disposal unit shall not be located in the 100-year floodplain where it will restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain unless compensating storage is provided, or result in a washout of solid waste; (62-701.340(3)(b),FAC) |
| — | —            | — | X | 2. Describe how the minimum horizontal separation between waste deposits in the landfill and the landfill property boundary shall be 100 feet, measured from the toe of the proposed final cover slope;<br>(62-701.340(3)(c),FAC)  |

**PART G. LANDFILL CONSTRUCTION REQUIREMENTS (62-701.400,FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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- |   |   |   |   |   |
|---|---|---|---|---|
| — | — | — | X | 1. Describe how the landfill shall be designed so that solid waste disposal units will be constructed and closed at planned intervals throughout the design period of the landfill and shall be designed to achieve a minimum factor of safety of 1.5 using peak strength values to prevent failures of side slopes and deep-seated failures; (62-701.400(2),FAC) |
| — | — | — | X | 2. Landfill liner requirements; (62-701.400(3),FAC)   |
| — | — | — | X | a. General construction requirements;<br>(62-701.400(3)(a),FAC):  |
| — | — | — | X | (1) Provide test information and documentation to ensure the liner will be constructed of materials that have appropriate physical, chemical, and mechanical properties to prevent failure;   |
| — | — | — | X | (2) Document foundation is adequate to prevent liner failure;   |
| — | — | — | X | (3) Constructed so bottom liner will not be adversely impacted by fluctuations of the ground water;   |

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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# PART G CONTINUED

			X	(4) Designed to resist hydrostatic uplift if bottom liner located below seasonal high ground water table;
--	--	--	---	---

			X	(5) Installed to cover all surrounding earth which could come into contact with the waste or leachate.
--	--	--	---	--

## b. Composite liners; (62-701.400(3)(b),FAC)

			X	(1) Upper geomembrane thickness and properties;
--	--	--	---	---

			X	(2) Design leachate head for primary LCRS including leachate recirculation if appropriate;
--	--	--	---	--

			X	(3) Design thickness in accordance with Table A and number of lifts planned for lower soil component.
--	--	--	---	---

## c. Double liners; (62-701.400(3)(c),FAC)

			X	(1) Upper and lower geomembrane thicknesses and properties;
--	--	--	---	---

			X	(2) Design leachate head for primary LCRS to limit the head to one foot above the liner;
--	--	--	---	--

			X	(3) Lower geomembrane sub-base design;
--	--	--	---	--

			X	(4) Leak detection and secondary leachate collection system minimum design criteria ( $k \geq 10$ cm/sec, head on lower liner $\leq 1$ inch, head not to exceed thickness of drainage layer);
--	--	--	---	---

## d. Standards for geosynthetic components; (62-701.400(3)(d),FAC)

			X	(1) Factory and field seam test methods to ensure all geomembrane seams achieve the minimum specifications;
--	--	--	---	---

			X	(2) Geomembranes to be used shall pass a continuous spark test by the manufacturer;
--	--	--	---	---

			X	(3) Design of 24-inch-thick protective layer above upper geomembrane liner;
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PART G CONTINUED

S      LOCATION      N/A      N/C

- |  |   |   |   |  |
|--|---|---|---|--|
| —  | — | — | X | (4) Describe operational plans to protect the liner and leachate collection system when placing the first layer of waste above 24-inch-thick protective layer.   |
| —  | — | — | X | (5) HDPE geomembranes, if used, meet the specifications in GRI GM13 and LLDPE geomembranes, if used, meet the specifications in GRI GM17;  |
| —  | — | — | X | (6) PVC geomembranes, if used, meet the specifications in PGI 1104;  |
| —  | — | — | X | (7) Interface shear strength testing results of the actual components which will be used in the liner system;  |
| —  | — | — | X | (8) Transmissivity testing results of geonets if they are used in the liner system;  |
| —  | — | — | X | (9) Hydraulic conductivity testing results of geosynthetic clay liners if they are used in the liner system;   |
| e. Geosynthetic specification requirements;<br>(62-701.400 (3) (e), FAC) |   |   |   |  |
| —  | — | — | X | (1) Definition and qualifications of the designer, manufacturer, installer, QA consultant and laboratory, and QA program;  |
| —  | — | — | X | (2) Material specifications for geomembranes, geocomposites, geotextiles, geogrids, and geonets;   |
| —  | — | — | X | (3) Manufacturing and fabrication specifications including geomembrane raw material and roll QA, fabrication personnel qualifications, seaming equipment and procedures, overlaps, trial seams, destructive and nondestructive seam testing, seam testing location, frequency, procedure, sample size and geomembrane repairs; |
| —  | — | — | X | (4) Geomembrane installation specifications including earthwork, conformance testing, geomembrane placement, installation personnel qualifications, field seaming and testing, overlapping and repairs, materials in contact with geomembrane and procedures for lining system acceptance;                                     |

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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**PART G CONTINUED**

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|---|---|---|---|--|
| —   | — | — | X | (5) Geotextile and geogrid specifications including handling and placement, conformance testing, seams and overlaps, repair, and placement of soil materials and any overlying materials;      |
| —   | — | — | X | (6) Geonet and geocomposite specifications including handling and placement, conformance testing, stacking and joining, repair, and placement of soil materials and any overlying materials;   |
| —   | — | — | X | (7) Geosynthetic clay liner specifications including handling and placement, conformance testing, seams and overlaps, repair, and placement of soil material and any overlying materials;      |
| f. Standards for soil liner components (62-710.400(3)(f), FAC): |   |   |   |  |
| —   | — | — | X | (1) Description of construction procedures including overexcavation and backfilling to preclude structural inconsistencies and procedures for placing and compacting soil component in layers; |
| —   | — | — | X | (2) Demonstration of compatibility of the soil component with actual or simulated leachate in accordance with EPA Test Method 9100 or an equivalent test method;                               |
| —   | — | — | X | (3) Procedures for testing in-situ soils to demonstrate they meet the specifications for soil liners;  |
| —   | — | — | X | (4) Specifications for soil component of liner including at a minimum:   |
| —   | — | — | X | (a) Allowable particle size distribution, Atterberg limits, shrinkage limit;   |
| —   | — | — | X | (b) Placement moisture and dry density criteria;   |
| —   | — | — | X | (c) Maximum laboratory-determined saturated hydraulic conductivity using simulated leachate;   |
| —   | — | — | X | (d) Minimum thickness of soil liner;   |
| —   | — | — | X | (e) Lift thickness;  |
| —   | — | — | X | (f) Surface preparation (scarification);   |

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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# PART G CONTINUED

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|---|---|---|---|---|
| — | — | — | X | (g) Type and percentage of clay mineral within the soil component;  |
| — | — | — | X | (5) Procedures for constructing and using a field test section to document the desired saturated hydraulic conductivity and thickness can be achieved in the field.                         |
| — | — | — | X | g. If a Class III landfill is to be constructed with a bottom liner system, provide a description of how the minimum requirements for the liner will be achieved.                           |
|   |   |   |   | 3. Leachate collection and removal system (LCRS); (62-701.400(4), FAC)  |
|   |   |   |   | a. The primary and secondary LCRS requirements; (62-701.400(4) (a), FAC)  |
| — | — | — | X | (1) Constructed of materials chemically resistant to the waste and leachate;  |
| — | — | — | X | (2) Have sufficient mechanical properties to prevent collapse under pressure;   |
| — | — | — | X | (3) Have granular material or synthetic geotextile to prevent clogging;   |
| — | — | — | X | (4) Have method for testing and cleaning clogged pipes or contingent designs for rerouting leachate around failed areas;  |
|   |   |   |   | b. Other LCRS requirements; (62-701.400(4) (b) and (c), FAC)  |
| — | — | — | X | (1) Bottom 12 inches having hydraulic conductivity $\geq 1 \times 10^{-3}$ cm/sec;  |
| — | — | — | X | (2) Total thickness of 24 inches of material chemically resistant to the waste and leachate;  |
| — | — | — | X | (3) Bottom slope design to accommodate for predicted settlement and still meet minimum slope requirements;  |
| — | — | — | X | (4) Demonstration that synthetic drainage material, if used, is equivalent or better than granular material in chemical compatibility, flow under load and protection of geomembrane liner. |

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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**PART G CONTINUED**

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|----|---|--|---|
| 4. | Leachate recirculation; (62-701.400(5), FAC)  |  |   |
|    | a. Describe general procedures for recirculating leachate;  |  | X |
|    | b. Describe procedures for controlling leachate runoff and minimizing mixing of leachate runoff with storm water;   |  | X |
|    | c. Describe procedures for preventing perched water conditions and gas buildup;   |  | X |
|    | d. Describe alternate methods for leachate management when it cannot be recirculated due to weather or runoff conditions, surface seeps, wind-blown spray, or elevated levels of leachate head on the liner;                                    |  | X |
|    | e. Describe methods of gas management in accordance with Rule 62-701.530, FAC;  |  | X |
|    | f. If leachate irrigation is proposed, describe treatment methods and standards for leachate treatment prior to irrigation over final cover and provide documentation that irrigation does not contribute significantly to leachate generation. |  | X |
| 5. | Leachate storage tanks and leachate surface impoundments; (62-701.400(6), FAC)  |  |   |
|    | a. Surface impoundment requirements; (62-701.400(6)(b), FAC)  |  |   |
|    | (1) Documentation that the design of the bottom liner will not be adversely impacted by fluctuations of the ground water;   |  | X |
|    | (2) Designed in segments to allow for inspection and repair as needed without interruption of service;  |  | X |
|    | (3) General design requirements;  |  |   |
|    | (a) Double liner system consisting of an upper and lower 60-mil minimum thickness geomembrane;  |  | X |
|    | (b) Leak detection and collection system with hydraulic conductivity $\geq 1$ cm/sec;   |  | X |

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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# PART G CONTINUED

_____	_____	_____	X	(c) Lower geomembrane placed on subbase $\geq 6$ inches thick with $k \leq 1 \times 10^{-5}$ cm/sec or on an approved geosynthetic clay liner with $k \leq 1 \times 10^{-7}$ cm/sec;
_____	_____	_____	X	(d) Design calculation to predict potential leakage through the upper liner;
_____	_____	_____	X	(e) Daily inspection requirements and notification and corrective action requirements if leakage rates exceed that predicted by design calculations;
_____	_____	_____	X	(4) Description of procedures to prevent uplift, if applicable;
_____	_____	_____	X	(5) Design calculations to demonstrate minimum two feet of freeboard will be maintained;
_____	_____	_____	X	(6) Procedures for controlling vectors and off-site odors.

## b. Above-ground leachate storage tanks; (62-701.400 (6) (c), FAC)

_____	_____	X	_____	(1) Describe tank materials of construction and ensure foundation is sufficient to support tank;
_____	_____	X	_____	(2) Describe procedures for cathodic protection if needed for the tank;
_____	_____	X	_____	(3) Describe exterior painting and interior lining of the tank to protect it from the weather and the leachate stored;
_____	_____	X	_____	(4) Describe secondary containment design to ensure adequate capacity will be provided and compatibility of materials of construction;
_____	_____	X	_____	(5) Describe design to remove and dispose of stormwater from the secondary containment system;
_____	_____	X	_____	(6) Describe an overflow prevention system such as level sensors, gauges, alarms and shutoff controls to prevent overflowing;
_____	_____	_____	_____	(7) Inspections, corrective action and reporting requirements;

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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PART G CONTINUED

___	___	X	___
___	___	X	___
___	___	X	___
___	___	X	___
___	___	X	___

- (a) Overfill prevention system weekly;
- (b) Exposed tank exteriors weekly;
- (c) Tank interiors when tank is drained or at least every three years;
- (d) Procedures for immediate corrective action if failures detected;
- (e) Inspection reports available for department review.

c. Underground leachate storage tanks;  
(62-701.400(6)(d), FAC)

___	___	___	X
___	___	___	X
___	___	___	X
___	___	___	X
___	___	___	X
___	___	___	X
___	___	___	X
___	___	___	X
___	___	___	X

- (1) Describe materials of construction;
- (2) A double-walled tank design system to be used with the following requirements;
  - (a) Interstitial space monitoring at least weekly;
  - (b) Corrosion protection provided for primary tank interior and external surface of outer shell;
  - (c) Interior tank coatings compatible with stored leachate;
  - (d) Cathodic protection inspected weekly and repaired as needed;
- (3) Describe an overfill prevention system such as level sensors, gauges, alarms and shutoff controls to prevent overfilling and provide for weekly inspections;
- (4) Inspection reports available for department review.

d. Schedule provided for routine maintenance of LCRS; (62-701.400(6)(e), FAC)

6. Liner systems construction quality assurance (CQA);  
(62-701.400(7), FAC)

___	___	___	X
___	___	___	X

- a. Provide CQA Plan including:
  - (1) Specifications and construction requirements for liner system;

S      LOCATION      N/A      N/C

**PART G CONTINUED**

- |   |   |   |   |     |  |
|---|---|---|---|-----|--|
| — | — | — | X | (2) | Detailed description of quality control testing procedures and frequencies;  |
| — | — | — | X | (3) | Identification of supervising professional engineer;   |
| — | — | — | X | (4) | Identify responsibility and authority of all appropriate organizations and key personnel involved in the construction project; |
| — | — | — | X | (5) | State qualifications of CQA professional engineer and support personnel;   |
| — | — | — | X | (6) | Description of CQA reporting forms and documents;  |
| — | — | — | X | b.  | An independent laboratory experienced in the testing of geosynthetics to perform required testing;                             |
7. Soil Liner CQA (62-701.400(8)FAC)
- |   |   |   |   |    |  |
|---|---|---|---|----|--|
| — | — | — | X | a. | Documentation that an adequate borrow source has been located with test results or description of the field exploration and laboratory testing program to define a suitable borrow source; |
| — | — | — | X | b. | Description of field test section construction and test methods to be implemented prior to liner installation;   |
| — | — | — | X | c. | Description of field test methods including rejection criteria and corrective measures to insure proper liner installation.  |
8. Surface water management systems; (62-701.400(9),FAC)
- |   |   |   |   |    |   |
|---|---|---|---|----|---|
| — | — | — | X | a. | Provide a copy of a Department permit for stormwater control or documentation that no such permit is required;                |
| — | — | — | X | b. | Design of surface water management system to isolate surface water from waste filled areas and to control stormwater run-off; |
| — | — | — | X | c. | Details of stormwater control design including retention ponds, detention ponds, and drainage ways;                           |
9. Gas control systems; (62-701.400(10),FAC)
- |   |   |   |   |    |   |
|---|---|---|---|----|---|
| — | — | X | — | a. | Provide documentation that if the landfill is receiving degradable wastes, it will have a gas control system complying with the requirements of Rule 62-701.530, FAC; |
|---|---|---|---|----|---|

S      LOCATION      N/A    N/C

**PART G CONTINUED**

10. For landfills designed in ground water, provide documentation that the landfill will provide a degree of protection equivalent to landfills designed with bottom liners not in contact with ground water; (62-701.400(11), FAC)

\_\_\_\_\_ X \_\_\_\_\_

**PART H.      HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (62-701.410(1), FAC)**

S      LOCATION      N/A    N/C

1. Submit a hydrogeological investigation and site report including at least the following information:

- |       |       |       |   |   |
|-------|-------|-------|---|---|
| _____ | _____ | _____ | X | a. Regional and site specific geology and hydrogeology;   |
| _____ | _____ | _____ | X | b. Direction and rate of ground water and surface water flow including seasonal variations;   |
| _____ | _____ | _____ | X | c. Background quality of ground water and surface water;  |
| _____ | _____ | _____ | X | d. Any on-site hydraulic connections between aquifers;  |
| _____ | _____ | _____ | X | e. Site stratigraphy and aquifer characteristics for confining layers, semi-confining layers, and all aquifers below the landfill site that may be affected by the landfill;  |
| _____ | _____ | _____ | X | f. Description of topography, soil types and surface water drainage systems;  |
| _____ | _____ | _____ | X | g. Inventory of all public and private water wells within a one-mile radius of the landfill including, where available, well top of casing and bottom elevations, name of owner, age and usage of each well, stratigraphic unit screened, well construction technique and static water level; |
| _____ | _____ | _____ | X | h. Identify and locate any existing contaminated areas on the site;   |
| _____ | _____ | _____ | X | i. Include a map showing the locations of all potable wells within 500 feet of the waste storage and disposal areas;  |
| _____ | _____ | _____ | X | 2. Report signed, sealed and dated by PE and/or PG.   |

**PART I. GEOTECHNICAL INVESTIGATION REQUIREMENTS (62-701.410(2),FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
				1. Submit a geotechnical site investigation report defining the engineering properties of the site including at least the following:
X	Geotechnical Report			a. Description of subsurface conditions including soil stratigraphy and ground water table conditions;
			X	b. Investigate for the presence of muck, previously filled areas, soft ground, lineaments and sink holes;
X	Geotechnical Report			c. Estimates of average and maximum high water table across the site;
				d. Foundation analysis including:
X	Geotechnical Report			(1) Foundation bearing capacity analysis;
X	Geotechnical Report			(2) Total and differential subgrade settlement analysis;
			X	(3) Slope stability analysis;
	Geotechnical Report			e. Description of methods used in the investigation and includes soil boring logs, laboratory results, analytical calculations, cross sections, interpretations and conclusions;
			X	f. An evaluation of fault areas, seismic impact zones, and unstable areas as described in 40 CFR 258.13, 40 CFR 258.14 and 40 CFR 258.15.
X	Geotechnical Report			2. Report signed, sealed and dated by PE and/or PG.

**PART J. VERTICAL EXPANSION OF LANDFILLS (62-701.430,FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
		X		1. Describe how the vertical expansion shall not cause or contribute to leachate leakage from the existing landfill, shall not cause objectionable odors, or adversely affect the closure design of the existing landfill;
		X		2. Describe how the vertical expansion over unlined landfills will meet the requirements of Rule 62-701.400, FAC with the exceptions of Rule 62-701.430(1)(c),FAC;
		X		3. Provide foundation and settlement analysis for the vertical expansion;

**PART J CONTINUED**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
—	—	X	—	4. Provide total settlement calculations demonstrating that the final elevations of the lining system, that gravity drainage, and that no other component of the design will be adversely affected;
—	—	X	—	5. Minimum stability safety factor of 1.5 for the lining system component interface stability and deep stability;
—	—	X	—	6. Provide documentation to show the surface water management system will not be adversely affected by the vertical expansion;
—	—	X	—	7. Provide gas control designs to prevent accumulation of gas under the new liner for the vertical expansion.

**PART K. LANDFILL OPERATION REQUIREMENTS (62-701.500, FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
—	—	—	X	1. Provide documentation that landfill will have at least one trained operator during operation and at least one trained spotter at each working face; (62-701.500(1), FAC)
—	—	—	X	2. Provide a landfill operation plan including procedures for: (62-701.500(2), FAC)
—	—	—	X	a. Designating responsible operating and maintenance personnel;
—	—	—	X	b. Emergency preparedness and response, as required in subsection 62-701.320(16), FAC;
—	—	—	X	c. Controlling types of waste received at the landfill;
—	—	—	X	d. Weighing incoming waste;
—	—	—	X	e. Vehicle traffic control and unloading;
—	—	—	X	f. Method and sequence of filling waste;
—	—	—	X	g. Waste compaction and application of cover;
—	—	—	X	h. Operations of gas, leachate, and stormwater controls;
—	—	—	X	i. Water quality monitoring.
—	—	—	X	j. Maintaining and cleaning the leachate collection system;

S

LOCATION

N/A

N/C

PART K CONTINUED

- |   |   |   |   |     |   |
|---|---|---|---|-----|---|
| — | — | — | X | 3.  | Provide a description of the landfill operation record to be used at the landfill; details as to location of where various operational records will be kept (i.e. FDEP permit, engineering drawings, water quality records, etc.) (62-701.500(3),FAC) |
| — | — | — | X | 4.  | Describe the waste records that will be compiled monthly and provided to the Department annually; (62-701.500(4),FAC)   |
| — | — | — | X | 5.  | Describe methods of access control; (62-701.500(5),FAC)   |
| — | — | — | X | 6.  | Describe load checking program to be implemented at the landfill to discourage disposal of unauthorized wastes at the landfill; (62-701.500(6),FAC)   |
| — | — | — | X | 7.  | Describe procedures for spreading and compacting waste at the landfill that include: (62-701.500(7),FAC)  |
| — | — | — | X | a.  | Waste layer thickness and compaction frequencies;   |
| — | — | — | X | b.  | Special considerations for first layer of waste placed above liner and leachate collection system;  |
| — | — | — | X | c.  | Slopes of cell working face and side grades above land surface, planned lift depths during operation;   |
| — | — | — | X | d.  | Maximum width of working face;  |
| — | — | — | X | e.  | Description of type of initial cover to be used at the facility that controls:  |
| — | — | — | X | (1) | Vector breeding/animal attraction   |
| — | — | — | X | (2) | Fires   |
| — | — | — | X | (3) | Odors   |
| — | — | — | X | (4) | Blowing litter  |
| — | — | — | X | (5) | Moisture infiltration   |
| — | — | — | X | f.  | Procedures for applying initial cover including minimum cover frequencies;  |
| — | — | — | X | g.  | Procedures for applying intermediate cover;   |
| — | — | — | X | h.  | Time frames for applying final cover;   |
| — | — | — | X | i.  | Procedures for controlling scavenging and salvaging.  |

S      LOCATION      N/A      N/C

PART K CONTINUED

- j. Description of litter policing methods;
- k. Erosion control procedures.

8. Describe operational procedures for leachate management including; (62-701.500(8),FAC)

- a. Leachate level monitoring, sampling, analysis and data results submitted to the Department;
- b. Operation and maintenance of leachate collection and removal system, and treatment as required;
- c. Procedures for managing leachate if it becomes regulated as a hazardous waste;
- d. Identification of treatment or disposal facilities that may be used for off-site discharge and treatment of leachate;
- e. Contingency plan for managing leachate during emergencies or equipment problems;
- f. Procedures for recording quantities of leachate generated in gal/day and including this in the operating record;
- g. Procedures for comparing precipitation experienced at the landfill with leachate generation rates and including this information in the operating record;
- h. Procedures for water pressure cleaning or video inspecting leachate collection systems.

9. Describe how the landfill receiving degradable wastes shall implement a gas management system meeting the requirements of Rule 62-701.530, FAC; (62-701.500(9),FAC)

10. Describe procedures for operating and maintaining the landfill stormwater management system to comply with the requirements of Rule 62-701.400(9); (62-701.500(10),FAC)

11. Equipment and operation feature requirements; (62-701.500(11),FAC)

- a. Sufficient equipment for excavating, spreading, compacting and covering waste;
- b. Reserve equipment or arrangements to obtain additional equipment within 24 hours of breakdown;

**S      LOCATION      N/A    N/C      PART K CONTINUED**

—	—	—	X	c.	Communications equipment;
—	—	—	X	d.	Dust control methods;
—	—	—	X	e.	Fire protection capabilities and procedures for notifying local fire department authorities in emergencies;
—	—	—	X	f.	Litter control devices;
—	—	—	X	g.	Signs indicating operating authority, traffic flow, hours of operation, disposal restrictions.
—	—	—	X	12.	Provide a description of all-weather access road, inside perimeter road and other roads necessary for access which shall be provided at the landfill; (62-701.500(12), FAC)
—	—	—		13.	Additional record keeping and reporting requirements; (62-701.500(13), FAC)
—	—	—	X	a.	Records used for developing permit applications and supplemental information maintained for the design period of the landfill;
—	—	—	X	b.	Monitoring information, calibration and maintenance records, copies of reports required by permit maintained for at least 10 years;
—	—	—	X	c.	Maintain annual estimates of the remaining life of constructed landfills and of other permitted areas not yet constructed and submit this estimate annually to the Department;
—	—	—	X	d.	Procedures for archiving and retrieving records which are more than five year old.

**PART L.      WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS (62-701.510, FAC)**

<b><u>S</u></b>	<b><u>LOCATION</u></b>	<b><u>N/A</u></b>	<b><u>N/C</u></b>		
—	—	—	X	1.	Water quality and leachate monitoring plan shall be submitted describing the proposed ground water, surface water and leachate monitoring systems and shall meet at least the following requirements;
—	—	—	X	a.	Based on the information obtained in the hydrogeological investigation and signed, dated and sealed by the PG or PE who prepared it; (62-701.510(2)(a), FAC)
—	—	—	X	b.	All sampling and analysis performed in accordance with Chapter 62-160, FAC; (62-701.510(2)(b), FAC)

S

LOCATION

N/A

N/C

**PART I CONTINUED**

c. Ground water monitoring requirements;  
(62-701.510(3), FAC)

- |   |   |   |   |  |
|---|---|---|---|--|
| — | — | — | X | (1) Detection wells located downgradient from and within 50 feet of disposal units;  |
| — | — | — | X | (2) Downgradient compliance wells as required;   |
| — | — | — | X | (3) Background wells screened in all aquifers below the landfill that may be affected by the landfill;   |
| — | — | — | X | (4) Location information for each monitoring well;   |
| — | — | — | X | (5) Well spacing no greater than 500 feet apart for downgradient wells and no greater than 1500 feet apart for upgradient wells unless site specific conditions justify alternate well spacings; |
| — | — | — | X | (6) Well screen locations properly selected;   |
| — | — | — | X | (7) Monitoring wells constructed to provide representative ground water samples;   |
| — | — | — | X | (8) Procedures for properly abandoning monitoring wells;   |
| — | — | — | X | (9) Detailed description of detection sensors if proposed.   |

d. Surface water monitoring requirements;  
(62-701.510(4), FAC)

- |   |   |   |   |  |
|---|---|---|---|--|
| — | — | — | X | (1) Location of and justification for all proposed surface water monitoring points;                          |
| — | — | — | X | (2) Each monitoring location to be marked and its position determined by a registered Florida land surveyor; |

e. Leachate sampling locations proposed;  
(62-701.510(5), FAC)

f. Initial and routine sampling frequency and requirements; (62-701.510(6), FAC)

- |   |   |   |   |   |
|---|---|---|---|---|
| — | — | — | X | (1) Initial background ground water and surface water sampling and analysis requirements; |
| — | — | — | X | (2) Routine leachate sampling and analysis requirements;                                  |

S      LOCATION      N/A      N/C

**PART L CONTINUED**

- |       |       |       |   |   |
|-------|-------|-------|---|---|
| _____ | _____ | _____ | X | (3) Routine monitoring well sampling and analysis requirements;   |
| _____ | _____ | _____ | X | (4) Routine surface water sampling and analysis requirements.   |
| _____ | _____ | _____ | X | g. Describe procedures for implementing evaluation monitoring, prevention measures and corrective action as required; (62-701.510(7),FAC)   |
| _____ | _____ | _____ | X | h. Water quality monitoring report requirements; (62-701.510(9),FAC)  |
| _____ | _____ | _____ | X | (1) Semi-annual report requirements (see paragraphs 62-701.510(6)(c),(d)and (e) for sampling frequencies);  |
| _____ | _____ | _____ | X | (2) Documentation that the water quality data shall be provided to the Department in an electronic format consistent with requirements for importing into Department databases, unless an alternate form of submittal is specified in the permit. |
| _____ | _____ | _____ | X | (3) Two and one-half year report requirements, or every five years if in long-term care, signed, dated and sealed by PG or PE.  |

**PART M. SPECIAL WASTE HANDLING REQUIREMENTS (62-701.520, FAC)**

S      LOCATION      N/A      N/C

- |       |       |   |       |  |
|-------|-------|---|-------|--|
| _____ | _____ | X | _____ | 1. Describe procedures for managing motor vehicles; (62-701.520(1),FAC)                      |
| _____ | _____ | X | _____ | 2. Describe procedures for landfilling shredded waste; (62-701.520(2),FAC)                   |
| _____ | _____ | X | _____ | 3. Describe procedures for asbestos waste disposal; (62-701.520(3),FAC)                      |
| _____ | _____ | X | _____ | 4. Describe procedures for disposal or management of contaminated soil; (62-701.520(4), FAC) |
| _____ | _____ | X | _____ | 5. Describe procedures for disposal of biological wastes; (62-701.520(5), FAC)               |

PART N. GAS MANAGEMENT SYSTEM REQUIREMENTS (62-701.530, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
				1. Provide the design for a gas management system that will (62-701.530(1), FAC):
—	—	—	X	a. Be designed to prevent concentrations of combustible gases from exceeding 25% the LEL in structures and 100% the LEL at the property boundary;
—	—	—	X	b. Be designed for site-specific conditions;
—	—	—	X	c. Be designed to reduce gas pressure in the interior of the landfill;
—	—	—	X	d. Be designed to not interfere with the liner, leachate control system or final cover.
—	—	—	X	2. Provide documentation that will describe locations, construction details and procedures for monitoring gas at ambient monitoring points and with soil monitoring probes; (62-701.530(2), FAC):
—	—	—	X	3. Provide documentation describing how the gas remediation plan and odor remediation plan will be implemented; (62-701.530(3), FAC):
				4. Landfill gas recovery facilities; (62-701.530(5), FAC):
—	—	—	X	a. Information required in Rules 62-701.320(7) and 62-701.330(3), FAC supplied;
—	—	—	X	b. Information required in Rule 62-701.600(4), FAC supplied where relevant and practical;
—	—	—	X	c. Estimate of current and expected gas generation rates and description of condensate disposal methods provided;
—	—	—	X	d. Description of procedures for condensate sampling, analyzing and data reporting provided;
—	—	—	X	e. Closure plan provided describing methods to control gas after recovery facility ceases operation and any other requirements contained in Rule 62-701.400(10), FAC;
—	—	—	X	f. Performance bond provided to cover closure costs if not already included in other landfill closure costs.

PART O. LANDFILL FINAL CLOSURE REQUIREMENTS (62-701.600,FAC)

S	LOCATION	N/A	N/C
---	----------	-----	-----

1. Closure permit requirements;  
(62-701.600(2),FAC)

a. Application submitted to Department at least 90 days prior to final receipt of wastes;

b. Closure plan shall include the following:

(1) Closure design plan;

(2) Closure operation plan;

(3) Plan for long-term care;

(4) A demonstration that proof of financial responsibility for long-term care will be provided.

2. Closure design plan including the following requirements: (62-701.600(3),FAC)

a. Plan sheet showing phases of site closing;

b. Drawings showing existing topography and proposed final grades;

c. Provisions to close units when they reach approved design dimensions;

d. Final elevations before settlement;

e. Side slope design including benches, terraces, down slope drainage ways, energy dissipaters and discussion of expected precipitation effects;

f. Final cover installation plans including:

(1) CQA plan for installing and testing final cover;

(2) Schedule for installing final cover after final receipt of waste;

(3) Description of drought-resistant species to be used in the vegetative cover;

(4) Top gradient design to maximize runoff and minimize erosion;

(5) Provisions for cover material to be used for final cover maintenance.

S      LOCATION      N/A    N/C

PART O CONTINUED

- g. Final cover design requirements:
- (1) Protective soil layer design;
  - (2) Barrier soil layer design;
  - (3) Erosion control vegetation;
  - (4) Geomembrane barrier layer design;
  - (5) Geosynthetic clay liner design if used;
  - (6) Stability analysis of the cover system and the disposed waste.
- h. Proposed method of stormwater control;
- i. Proposed method of access control;
- j. Description of the proposed or existing gas management system which complies with Rule 62-701.530, FAC.
3. Closure operation plan shall include: (62-701.600(4), FAC)
- a. Detailed description of actions which will be taken to close the landfill;
  - b. Time schedule for completion of closing and long-term care;
  - c. Describe proposed method for demonstrating financial assurance for long-term care;
  - d. Operation of the water quality monitoring plan required in Rule 62-701.510, FAC.
  - e. Development and implementation of gas management system required in Rule 62-701.530, FAC.
4. Certification of closure construction completion including: (62-701.600(6), FAC)
- a. Survey monuments; (62-701.600(6)(a), FAC)
  - b. Final survey report; (62-701.600(6)(b), FAC)
5. Declaration to the public; (62-701.600(7), FAC)
6. Official date of closing; (62-701.600(8), FAC)
7. Justification for and detailed description of procedures to be followed for temporary closure of the landfill, if desired; (62-701.600(9), FAC)

**PART P. OTHER CLOSURE PROCEDURES (62-701.610, FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
___	_____	X	___	1. Describe how the requirements for use of closed solid waste disposal areas will be achieved; (62-701.610(1), FAC)
___	_____	X	___	2. Describe how the requirements for relocation of wastes will be achieved; (62-701.610(2), FAC)

**PART Q. LONG-TERM CARE (62-701.620, FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	<b>PART O CONTINUED</b>
___	_____	X	___	1. Maintaining the gas collection and monitoring system; (62-701.620(5), FAC)
___	_____	___	X	2. Stabilization report requirements; (62-701.620(6), FAC)
___	_____	___	X	3. Right of access; (62-701.620(7), FAC)
___	_____	___	X	4. Requirements for replacement of monitoring devices; (62-701.620(8), FAC)
___	_____	___	X	5. Completion of long-term care signed and sealed by professional engineer (62-701.620(9), FAC).

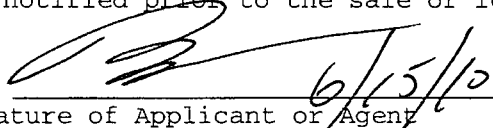
**PART R. FINANCIAL ASSURANCE (62-701.630, FAC)**

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	<b>PART O CONTINUED</b>
___	_____	___	X	1. Provide cost estimates for closing, long-term care, and corrective action costs estimated by a PE for a third party performing the work, on a per unit basis, with the source of estimates indicated; (62-701.630(3)&(7), FAC).
___	_____	___	X	2. Describe procedures for providing annual cost adjustments to the Department based on inflation and changes in the closing, long-term care, and corrective action plans; (62-701.630(4)&(8), FAC).
___	_____	___	X	3. Describe funding mechanisms for providing proof of financial assurance and include appropriate financial assurance forms; (62-701.630(5), (6), &(9), FAC).
___	_____	___	X	4. Provide documentation and the appropriate forms for delaying submitting proof of financial assurance for solid waste disposal units that qualify; (62-701.630(2)(c), FAC).

**PART S. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER**

1. Applicant:

The undersigned applicant or authorized representative of Pasco County Public Works/Utilities is aware that statements made in this form and attached information are an application for a intermediate modification Permit from the Florida Department of Environmental Protection and certifies that the information in this application is true, correct and complete to the best of his/her knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable, and the Department will be notified prior to the sale or legal transfer of the permitted facility.

  
Signature of Applicant or Agent

Bruce E. Kennedy, P.E. (Assistant County Engineer)

Name and Title (please type)

Utilities Services Branch  
Pub. Wks./Utilities Bldg., S-213  
7530 Little Road  
New Port Richey, FL 34654-5598  
(727) 847-8145

bkenedy@pascocountyfl.net  
E-Mail address (if available)

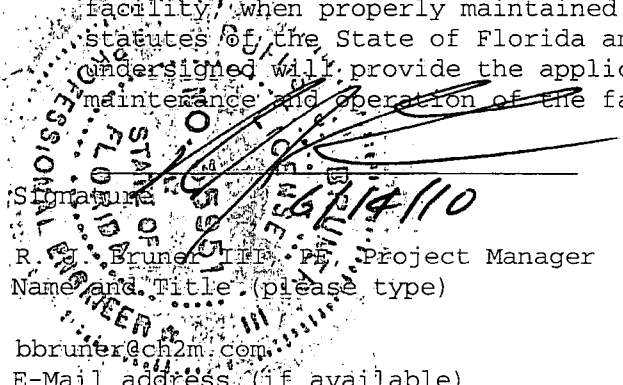
Telephone Number

Date:

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

2. Professional Engineer registered in Florida (or Public Officer if authorized under Sections 403.707 and 403.7075, Florida Statutes):

This is to certify that the engineering features of this solid waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of the facility.

  
Signature

R. Bruner, P.E., Project Manager  
Name and Title (please type)

bbruner@ch2m.com  
E-Mail address (if available)

3011 SW Williston Road  
Mailing Address

Gainesville, FL 32608-3964  
City, State, Zip Code

35951  
Florida Registration Number  
(please affix seal)

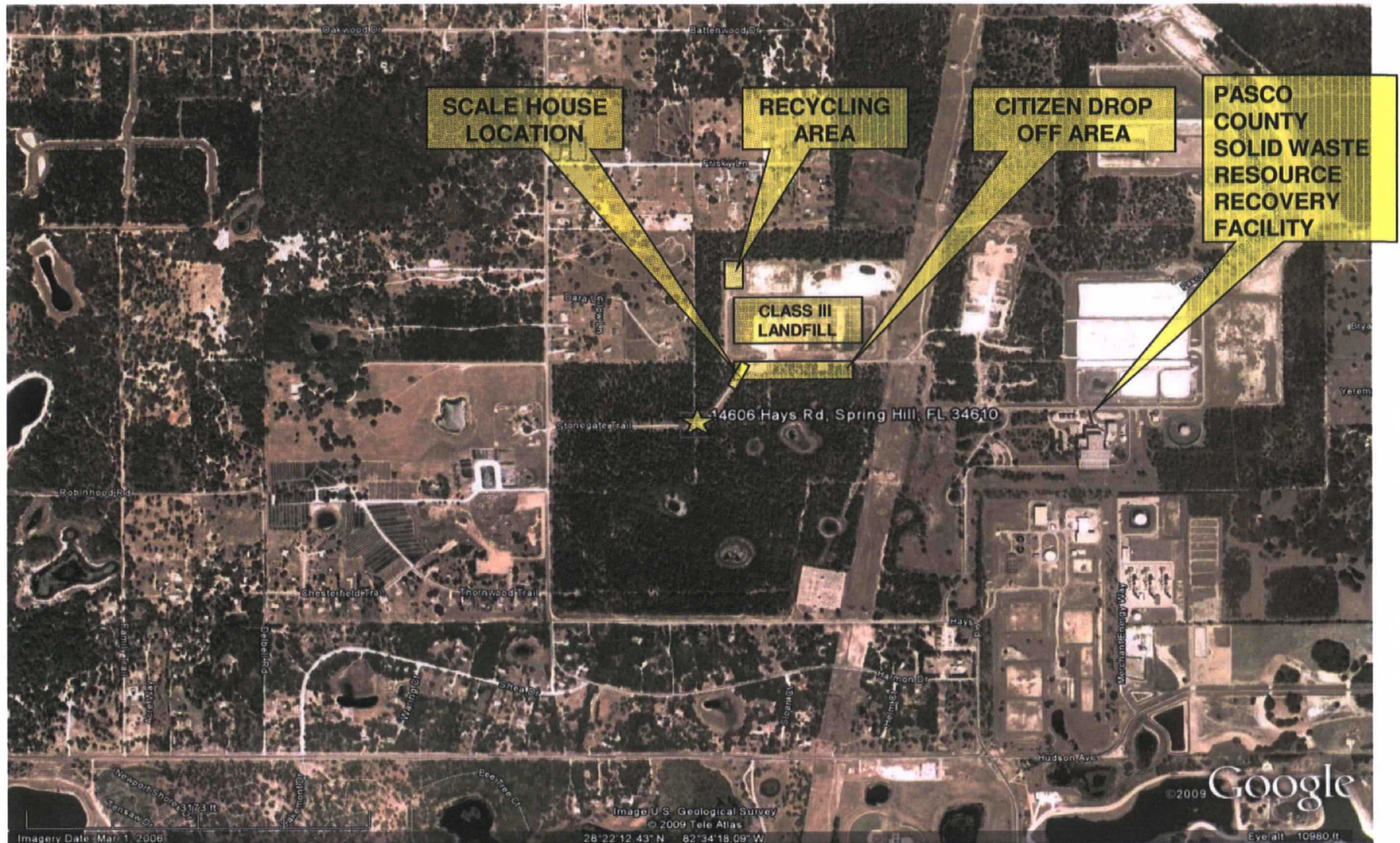
(352)384-7123  
Telephone Number

Date:

**Attachment B**  
**Aerial Regional Map**

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# ATTACHMENT B AERIAL REGIONAL MAP



**SOLID WASTE SYSTEM UPGRADE**

**FOR THE COUNTY OF  
PASCO COUNTY FLORIDA**

**CH2MHILL**

**Attachment C**  
**Construction Drawings**

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See Drawings Volume 2 of 2  
(Separate Document)

**Attachment D**  
**Stormwater Report/Geotechnical Report**

---

See Stormwater in Separate Volume

**Attachment E**  
**Permit Fee**

---

**Attachment F**  
**Operations Plan**

---

Copy INSERTED INTO ORIGINAL

# **Pasco County, Florida**



## **Landfill Operations Plan For West Pasco Class III Landfill**

*Revised 12/21/2010*

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## FACILITY BACKGROUND

The landfill addressed in this plan is an integral unit of the Pasco County Solid Waste System ("System"). The System is comprised of a mass-burn resource recovery facility, the West Pasco Class I Landfill, the West Pasco Class III Landfill, the East Pasco Transfer Station and Recycling Center, and the East Pasco Class I Landfill. The Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill are co-located on an 800 acre site. The Resource Recovery Facility and the West Pasco Class I Landfill are permitted under the Florida Electrical Power Plant Siting Act, while the West Pasco Class III Landfill and Recycling Center is permitted separately under Chapters 62-4 and 62-701, FAC.

The Resource Recovery Facility is designed to receive and process 1,050 tons per day of waste generated by residential, commercial, and industrial sources. Three separate combustion units with a capacity of 350 tons per day and a boiler system generate steam for conversion to electrical energy. Emissions controls include dry scrubbers, fabric filter baghouses and carbon injection for mercury control for each combustion unit. The residue ash handling system is completely enclosed. Bottom ash and grate siftings from the combustion units, as well as fly ash and spent scrubber reagent, are collected and quenched. Ash is moved by conveyor through a scalper screen to remove large materials and through a magnetic separator to remove ferrous metal. Processed residue (MSW ash) is loaded into trucks for disposal in an ash monofill disposal unit at the adjacent West Pasco Class I Landfill.

Deliveries are accepted at the Solid Waste Resource Recovery Facility (SWRRF) ten hours each day, Monday through Saturday, except legal holidays. Refuse is delivered to the SWRRF in standard packer vehicles, open body dump trucks, semi truck transfer trailers, and by smaller private vehicles. The waste transferring vehicles pass through an entrance and exit over an automated truck scale system. The scale system is operated by an adjacent scale house with a computerized record keeping system that maintains an accurate accounting of all refuse delivered and ash residue removed from the ash storage building.

All processible waste received is dumped inside the Resource Recovery Facility in a refuse storage pit with the exception of some waste from small private vehicles which are directed to a public drop-off area outside the building. Inside the facility building on the tipping floor, roll-off containers are provided for removing of nonprocessable waste. The County provides a trained spotter on the tipping floor to observe refuse dumping. The spotter has communication links with the scale house and the facility operators to advise them of the delivery of any unacceptable waste.

The entire 800-acre site is enclosed by chain-link and barbed-wire fence to limit access. To further limit access, the Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill and Recycling Center are separated internally by a chain-link and barbed-wire fence to control movement between the units.

## **1. Operating Personnel Training**

The Pasco County Utilities Services Branch (PCUSB), which is responsible for the operations of the landfill, has a pro-active approach to training and certifying all landfill personnel and currently has trained operators who have satisfied the requirements of Chapter 62- 701, F.A.C. Additionally, Pasco County has staff members who have been trained and are certified through or by the TREEO Solid Waste Landfill Operator Short Course and are used as trained spotters at the landfill and elsewhere in the solid waste management system. Copies of course completion certificates are kept on file. The landfill has at least one trained operator at the landfill during all times when the landfill receives waste. At least one trained spotter is at each working face at all times to detect unauthorized wastes when the landfill receives waste.

## **2. Operations**

### **a. Responsible Operating and Maintenance Personnel**

John Power, Solid Waste Facilities Manager  
Ronald J. Walker, Solid Waste Superintendent

In addition to the two supervisory employees above, 34 full-time positions are authorized for landfill operations. As of the writing of this plan, all full time employees are trained spotters. At least one of these spotters is located at the working face of the Class III landfill when the landfill is receiving waste.

### **b. Contingency Operations for Emergencies.**

Class III wastes resulting from a natural disaster or other emergency may be stockpiled for later removal. The access road is designed to allow normal operations under adverse conditions. Cooperative lending agreements with other Pasco County departments will be pursued for back-up equipment as necessary.

#### ***Emergency Fire Procedures:***

- (1) Field staff will contact scale attendant via two-way radio and provide details.
- (2) Scale attendant will contact 9-1- 1, requesting fire company response.
- (3) Scale attendant will notify landfill operator.
- (4) Landfill operator will direct additional equipment and manpower as may be required.

#### ***Controllable Fire:***

- (1) Field staff will contact scale attendant via two-way radio and provide details.
- (2) Field staff will put out the fire using landfill equipment and soil from an on-site stockpile maintained for the suppression. The stockpile is east of the landfill.
- (3) Scale attendant will contact Landfill Supervisor.
- (4) Landfill supervisor will inspect scene.

#### ***Natural Disaster Procedures:***

When notice is provided of a pending natural disaster (tornado, hurricane, etc.), the landfill supervisor will direct staff to:

- (1) Check stormwater management system for any blockages at culverts, pipes, etc.
- (2) Check leachate management system levels, pumping units, etc.
- (3) Apply daily cover to working face where appropriate.
- (4) Secure equipment where appropriate.

After the natural disaster has occurred, the landfill supervisor will direct staff to assess damage to and operational status of:

- (1) Access roads.
- (2) Stormwater management system.
- (3) Leachate management system.
- (4) Landfill equipment.
- (5) Disposal units.
- (6) Excess Class III waste shall be stockpiled on the Limestone Pad north of Class III Landfill to segregated wooden material. Class I Waste will only be stored on the lined areas of Class I landfill.

The Landfill Supervisor will report findings to the Solid Waste Manager.

**c. Controlling Types of Waste Received at the Landfill**

The Class III disposal unit is primarily a construction and demolition (C&D) disposal unit. All incoming material is inspected at the scale house on a daily basis to acquire reasonable assurances that no prohibited wastes are deposited in the cell. Examples of prohibited wastes include Class I wastes, household garbage, medical waste, waste oil, tires, batteries, and/or large metal items. Particular care is addressed to hazardous and medical wastes; should they be detected, arrangements will be made for proper handling and disposal under the direction of the Pasco County Hazardous Waste Manager. Pasco County will not burn any solid waste at this facility. Pasco County will not knowingly dispose any hazardous waste, PCB's, biomedical waste, any special wastes (lead acid batteries, used oil, yard trash, white goods, and whole tires), liquid waste, and oil waste at this facility.

Yard trash and/or lot clearing debris is not accepted for disposal in the Class III unit. Pasco County does not intermingle the County used tire collection program with the Class III Landfill operation.

At least one trained spotter will be located at each working face, in accordance with rule 62-701 .500 (1). Procedures for removal of prohibited wastes are outlined in Section 6 (Entitled "Load Checking Program") of the amended operation plan. In summary of section 6, removal of prohibited wastes is the responsibility of the hauler. Identification of hazardous wastes will be reported to the appropriate regulatory authorities.

Unacceptable waste discovered at Class III will be temporarily stored in a 40 CY container situated near the working face as shown on Figure I. The container shall be emptied at the end of each working day. Any Processible waste is sent to the mass-burn Resource Recovery Facility. Any hazardous waste is sent to household hazardous waste area (as shown on Figure I) for packaging. The packaged waste is

sent to outside contracted company for final disposal and treatment. For biomedical waste, the responsible party shall be contacted to clean up the biomedical waste at their expense. If the responsible party cannot be identified, the Hazardous Waste Department of Pasco County is contacted. The Hazardous Waste Department will arrange with a contract vendor to clean, remove and dispose the biomedical waste. Electronic Waste is stored at the E-waste storage area (Figure 1) for packaging. Oil is collected in similar ways. Both the oil and the electronic waste are packaged and picked up by a County vendor for reprocesses/recycle. Metals are stored in metal storage area (Figure 1) for further processing. Waste tires are transferred to the waste tire processing facility for shredding and then delivered to Wheelabrator for their facility fuel.

#### **d. Weighing Incoming Waste**

No waste can enter the site without passing the main entrance scale and/or the Class III disposal unit scale. Loaded vehicles entering the landfill site will be weighed and will be documented prior to unloading. Vehicles with a franchise or commercial license will be weighed at the Class I/Resource Recovery Facility Scalehouse and issued a receipt indicating the weight and payment received. C&D loads will then be redirected to the Class III Landfill. Small vehicles will be charged by the type of vehicle and size of the load.

#### **e. Vehicle Traffic Control and Unloading**

Private refuse haulers are not permitted to drive at random into the Class III cell. Individual vehicles and trucks containing C&D waste receive placing directions from the trained spotter at the working face of the cell.

Directional signs are placed to safely direct vehicles to the current waste unloading area. These signs have large, legible letters and are cleaned when necessary. Signs are placed at points so that the route is clear to the drivers. Speed limit, safety, and prohibitive practice signs have been placed as necessary to encourage a safe, clean operating area.

Unloading will be permitted only at designated working faces of the currently operating cell. Haulers are responsible for unloading their own vehicles. A spotter will be present near the active disposal areas to direct vehicles to appropriate off-loading areas and to observe the off-loading process to ensure that unacceptable materials are not part of the delivery.

#### **f. Method and Sequence of Filling Waste**

The landfill will be developed using four disposal areas as shown on Figure 1. Each area is approximately 3.5 acres. Disposal cells and their integral liner and leachate collection systems are constructed with permanent roads and swales for access and surface water management.

Cells 1, 2, 3, and 4 have been constructed and are ready for disposal of Class III materials.

The method of filling wastes in an individual cell is as follows:

All incoming Class III materials waste will be directed to the working face. Class III materials will be placed against the side slope of the previous day's deliveries. The first row will act as a berm to provide a guide for the placement of waste for the remaining rows. In each row, cells will be constructed having a minimum length of working face to control the operation and leachate quantities, yet of sufficient length to provide adequate dumping areas and room for the landfill equipment to operate. A maximum slope of 3: 1 on a 75-foot wide working face will provide for centralization of operations, while providing maneuvering area for private and commercial vehicles unloaded each day. See Figure 2 for additional details.

The sequence of filling future lined cell areas with installed leachate collection systems is developed to meet the following objectives:

- Complete subsequent lifts over lower lifts frequent enough to minimize infiltration and conserve the field capacity of the lower lift cell.
- Design landfill slopes during operation to maximize surface run-off away from the working face and minimize leachate generation.
- Provide a bench terrace along side slopes to minimize erosion.

Efficient use of these techniques will reduce the need for intermediate cover and decrease leachate volumes.

Final cover will be applied over cell lifts within 180 days after the final lift over an area is completed, or within the time frame set forth in the closure plan. Final cover will consist of a 40-mil LLDPE and 24-inch of protective soil layer. The top six inches of the protective soil layer will be uncompacted and vegetated with native grasses or other vegetation to promote evapotranspiration.

#### **g. Waste Compaction and Application of Cover**

Sufficient cover material will be available from a fill dirt pit to provide a continuous supply of cover through the period of operational site life.

The Class III materials will be placed at the top of the working face, spreading outward in approximately two-foot layers. The Class III materials will be compacted as necessary by a front-end loader or bulldozer and/or landfill compactor. The material types comprising Class III refuse are not always conducive to compaction. Therefore, compaction equipment is not included as required equipment, but is available at the site.

Application of final cover is to be performed in accordance with the closure plan. Six inches of initial cover will be applied to the working face at least once a week. Intermediate cover consisting of one foot of compacted native sandy soil from a private dirt pit will be applied within seven days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion. Any intermediate areas that will not be landfilled or covered with final cover within six months will be seeded or covered with wood chips, straw, or other appropriate cover material to preclude slope erosion.

#### **h. Operations of Gas, Leachate, and Stormwater Controls**

See Sections 8, 9, 10 for Gas, Leachate and Stormwater Controls

#### **i. Water Quality Monitoring**

Refer to the separate Water Quality Monitoring Plan prepared by CDM dated March 2008.

#### **j. Maintaining and Cleaning Leachate Collection System**

Staff from the County's Wastewater Lift Station Maintenance Program inspects the leachate collection holding tanks on a monthly basis. Staff tests the alarms and manually operate the float switches to verify proper operation. In addition, the County will comply with the requirements of the Rule 62-702.500 (8) (h), F.A.C. The leachate collection system was jet-cleaned on October 6, 2006. The copy of this report was included as Attachment 3 to this of the 2008 application.

### **3. Operating Record**

The Operating Record shall consist of all records, reports, analytical results, demonstrations, and notifications required by Chapter 62-70 1, FAC, including the Department-issued permits, engineering drawings (with supporting information), and the landfill operator training verifications required by Chapter 62-70 1, FAC. The record is considered part of the operation plan and is kept at the Pasco County Government Utilities Services Branch office located in New Port Richey. Duplicates of the permit, engineering drawings, and the operating plan are kept on-site at the office of the landfill supervisor.

The Operating Record will be available for inspection at reasonable times by Department personnel.

### **4. Waste Records**

Waste records are kept on file at the Pasco County Utilities Service Branch, Public Works Utilities Building, Suite 213, 7530 Little Road, New Port Richey, of tonnage received and/or compiled monthly and provided to the Department quarterly.

### **5. Access Control**

To prevent unauthorized access to the 800-acre site in West Pasco, the entire site is enclosed with either barbed-wire or chain-link fencing. Interior fencing separates the Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill and Recycling Center. Entrance gates at the Resource Recovery Facility and the West Pasco Class III Landfill are chain-link and are closed and secured during nonworking hours. The primary entrance gate to the Class III Landfill is from Hayes Road.

The landfill supervisor will check or have checked the integrity of the perimeter fencing on a regular basis. The landfill operators will secure the entrance gates at the end of the

operating day. The landfill supervisor will ensure that the existing signs indicating the hours of operation and types of waste accepted are maintained.

## 6. Load Checking Program

A load checking program has been implemented to detect and discourage attempts to dispose of unauthorized wastes at the West Pasco Class III Landfill.

A minimum of three loads each week shall be closely examined and documented. Attached as Figure 5 is a copy of the Load Inspection Form. Deliveries will be off loaded at a designated location within the landfill for a content inspection. Should unacceptable wastes be found, the facility will contact the generator, hauler, or other party responsible for shipping the waste to the landfill to determine the identity of the waste sources.

Regulated hazardous wastes are not accepted at the West Pasco Class III Landfill. Should suspected hazardous waste be found the following action is taken by Pasco County:

- The Environmental Deputy Sheriff is notified.
- The Pasco County Health Department is notified.
- The hauler is called and requested to report to the site by the Environmental Deputy Sheriff.
- Depending on circumstances, the Environmental Deputy Sheriff may make an arrest.
- Proper disposal of hazardous waste if any is found is required via licensed DOT hauler at hauler/generator's expense.

## 7. Landfilling Procedures

Waste layer thickness and compact ion frequencies are covered in Section 2 above. Special considerations are made for the first layer of waste placed above the liner and leachate collection system. The first layer of waste placed above the liner and leachate collection system will be four feet in compacted thickness and consist of special selected wastes containing no large, rigid objects that may damage the liner or leachate collection system. The working face of the cell, and side grades above land surface, shall be at a slope no greater than three feet horizontal to one-foot vertical rise. Lift depth should not exceed ten feet but may vary depending on specific operations and daily volume of waste, width of working face, and good safety practices. The West Pasco Class III working face will be only wide enough to accommodate vehicles discharging waste, and to control exposed area and conserve cover material. A temporary berm will be constructed around the working face to minimize the formation of leachate. The temporary berm will be moved as the working face/lift progresses.

Initial cover will be applied to solid waste disposal units in order to minimize any adverse environmental, safety, or health effects such as those resulting from birds, blowing litter, odors, disease vectors, or fires. Initial cover at the solid waste disposal

and it will be applied at the end of each working week. The initial cover will be comprised of soil material and be six inches in compacted thickness.

Intermediate cover, in addition to six-inch initial cover, will be applied and maintained within seven days of disposal unit completion if additional solid waste will not be deposited within 180 days of disposal unit completion. The intermediate cover, when disposal to the initial fill phase and disposal activity is shifted to a new adjacent disposal unit for more than 180 days, will be graded to provide a surface slope and will also be seeded or sodded with grass to further promote run-off and minimize infiltration. When disposal activity is resumed in the disposal unit, the intermediate cover will be pushed aside and stockpiled for use as initial cover for the resumed disposal activity.

Once the solid waste disposal units have been filled to the final grades, final cover will be applied in accordance with the closure plan. Areas of final cover will be seeded with grass or other suitable cover.

Scavenging and salvaging shall not be permitted at the landfill site.

A litter policing operation shall be employed to keep litter from leaving the working area of the landfill. Litter outside the working area shall be picked up by landfill employees within 24 hours.

Grass vegetative cover will be established and maintained on all landfill berm outer slopes, stormwater retention pond outer slopes, and along interior access roads. The Landfill Supervisor or his designee will conduct once a week inspections (twice per week during the wet seasons) and immediately after heavy storms to detect any emerging erosion. Landfill staff will promptly repair detected erosion. The County shall notify the FDEP of any erosion problem expected to not be corrected within 7 days and provide a schedule for its repair.

## **8. Operation of Leachate Controls**

Each disposal unit is separated by a lined berm of 4'0 (plus); there is no liner penetration on the berm liner. Additionally, to prevent leachate contamination or backflow, there is no piping connection between any of the cell units. Leachate flows via gravity to two identical underground storage tanks located adjacent to the disposal units. A detailed sketch of both leachate holding tanks and the four cells showing piping to the holding tanks is attached as Figure 4. From the tanks, leachate is pumped directly to the adjacent Shady Hills Wastewater Treatment Facility.

Pumps serving both leachate holding tanks are automatically activated and deactivated by level switches. The five float-switches are designated as follows:

- a. Low-low level alarm shutoff, to protect pump motors.
- b. Low level shutoff to deactivate pumping cycle.
- c. Activates pumps for pumping cycle.
- d. Float for future use (not used at this time).

e. High-high level alarms (set at approximately 5'0 below the top of leachate holding tank).

At the high-high alarm, the pump system will be repaired and Pasco County will utilize their tanker fleet to pump and haul leachate to a wastewater treatment plant as necessary to prevent overflow. The same procedure will be followed in case of equipment failures.

In the unlikely event of leachate becoming hazardous waste, Pasco County will comply with the state and federal regulations for managing the leachate as a hazardous waste. The leachate would continue to be stored in the on-site tank for less than 30 days but would be transported to a licensed hazardous waste TSDF (Treatment Storage Disposal Facility) instead of to the WWTP.

The leachate holding tanks are metered and recorded in daily logs. In addition, the tanks are sampled and analyzed for the parameters listed at 62-701.510(8)(c) and (d) semi-annually by the Pasco County Environmental Services Laboratory. Rainfall is recorded by visual rain gauges and is recorded on the daily leachate log sheets. The volume of leachate generated and rainfall data is reported to the Florida Department of Environmental Protection quarterly. Results of leachate quality samples are reported to the Department annually.

## **9. Routine Gas Monitoring Program**

Of the Class III Landfill disposal's four units. Unit No.2 is currently in use for acceptance of C&D material. As a Class III facility that disposes primarily of construction and demolition (C&D) material gas generation is expected to be minimal. Nonetheless, Pasco County has implemented a gas monitoring program. The Class III C&D Landfill is situated in excess of 750 feet from all property boundaries, with the closest structure being in excess of 1,000 feet. The scale house and landfill operator's office, the closest structure, will be checked via gas meter quarterly and the results will be reported to the Department. Existing surficial aquifer wells 2MW-7, 2MW-8, and 2MW-10 will be used for conducting quarterly subsurface landfill gas monitoring adjacent to Cells 1 and 2. If the methane gas levels exceed the lower explosive limit specified by the FAC, the operator shall:

- a. Notify his supervisor, who will take measures (if necessary) to protect health and safety.
- b. Submit to the department within seven days a remediation plan. The plan shall describe the nature and extent of the problem and the proposed remedy.
- c. Complete the approved remediation construction within 60 days.

## 9. Odor Remediation Plan

The facility will be operated to control objectionable odors. If gas concentrations cause objectionable odors beyond the landfill property boundary, the operator shall

- a. Implement a routine odor monitoring program to determine the timing and extent of any off-site odors.
- b. If the monitoring program confirms the existence of objectionable odors, and odor remediation plan will be submitted to the Department for approval. The plan will describe the nature and extent of the problem and the proposed remedy. The remedy will be initiated within 30 days of approval.

## 10. Landfill Stormwater Management System

The access road encompassing the landfill area and the disposal unit berms are elevated above existing ground elevations to prevent any surface water from entering the waste filled area.

Additionally, a large swale is located at the base of the landfill slope on the interior side of the access road. The swale is designed to receive runoff from the predeveloped and closed-out areas of the landfill.

The bottom of each landfill disposal unit is lined and positioned above the seasonal high water table to prevent any lateral flow into the waste-filled areas in the unlikely event that standing water was to accumulate in the swales. Also, closed-out disposal units will be capped to inhibit vertical infiltration/percolation of rain.

The landfill supervisor will routinely inspect the stormwater management system. Particular attention will be given to inspecting the culverts under the access road for any blockage. The stormwater management system will also be inspected prior to an anticipated natural disaster if sufficient notice is available, and after any natural disaster.

## 11. Equipment and Operation Requirements

### a. Adequate In-Service and Reserve Equipment

Table 1 lists equipment used at the West Pasco County Class III Landfill. Cooperative lending agreements can also be used as a means of procuring additional back-up equipment either from the nearby Class I Facility or the Pasco County Road and Bridge Department:

Table 1

<u>Number</u>	<u>Equipment</u>
1 <sup>a</sup>	Front-end loader
1 <sup>a</sup>	Compactor
1 <sup>b</sup>	Water Truck w/ Spray Boom

1 <sup>b</sup>	Leachate Transport Vehicle
1 <sup>b</sup>	Bulldozer

<sup>a</sup> To be permanent on-site equipment

<sup>b</sup> To be provided on an as-needed basis from available equipment from the adjacent Class I facility.

#### **b. Reserve Equipment**

Arrangements to Obtain Additional Equipment Within 24 Hours of Breakdown

##### Equipment Failure Procedure:

If equipment fails, the landfill supervisor will be notified so that arrangements can be made for the equipment repair. If the downtime is expected to hinder landfill operations, the landfill supervisor will obtain back-up equipment under established cooperative lending agreements with other solid waste management facilities or other County departments.

#### **c. Communication Equipment**

Communication between personnel in the West Pasco Landfill Maintenance Building and the Resource Recovery Facility Scale House, and the West Pasco Class III Scale House and landfill staff operating equipment is maintained by two-way radios and the master communication system maintained for all County departments. Additionally, landfill staff can contact each other by two-way radios. A telephone is available in the scale house office.

#### **d. Dust Control Methods:**

Dust control will be performed using a spray truck which will set down unpaved access roads and areas immediately to the working face. Dust masks will also be available to personnel working in excessively dusty areas. The source of water used for dust control is a reclaimed water fire hydrant located on the facility.

#### **e. Fire Protection Capabilities and Procedures**

In the event that an uncontrollable fire does occur at the landfill site, the fire department will be contacted immediately. Small fires on the working face will be snuffed by a bulldozer. On-site stockpiles of soil will be available for suppressing fires. Pasco County has 6,000 gallon tanker with spray and 4,000 gallon water truck with directional cannon on site.

A hot load area will be provided by the spotter in a location away from the working face to allow any vehicles arriving at the landfill with a fire in their load to dump quickly in an area where the "hot load" can be controlled and quickly covered with soil. The location of the hot load area will change from time to time with changing working face locations. After fire suppression of the hot load, the load will be disposed as Class I waste.

### Emergency Fire Procedures:

In the highly unlikely event that an UNCONTROLLABLE fire does occur at the landfill site:

- (1) Field staff will contact scale attendant via two-way radio, private details.
- (2) Scale attendant will contact 9-1-1, requesting fire company response.
- (3) Scale attendant will notify landfill operator.
- (4) Landfill operator will direct additional equipment and manpower as may be required.

### Controllable Fire:

- (1) See Item (1) above.
- (2) Field staff will put out the fire using landfill equipment and soil from an on-site stockpile maintained for the suppression.
- ~~(3) See Item (1) above.~~
- (3) Landfill supervisor will inspect scene.

### **f. Litter Control Devices**

Litter will be controlled by requiring covering loads, efficient unloading and cover operations, and by routine cleanup as required.

### **g. Signs, Hour of Operation, and Disposal Restrictions**

<u>Sign No.</u>	<u>Size</u>	<u>Wording</u>	<u>Location</u>
1	72"x42"	West Pasco Recycling Center and Class III Landfill operating hours: 07:00 a.m. to 05:00 p.m.	Front Gate
2	36"x18"	14230 Hays Road	Front Gate
3	46"x48"	All vehicles weighed at \$56.70/T	Entry Gate 2
4	46"x18"	No charge, normal household solid waste/garbage	Entry Gate 2
5	48"x24"	Construction debris, demolition Debris, waste tires, yard waste, proceed over the scale	Just before the scale house
6	24"x36"	All vehicles must stop at scale house	Just before the scale house
7	24"x16"	Construction demolition debris	C&D Cell Unit 1
8	24"x30"	Children must stay in vehicle	Leaving the Scale
9	16"x24"	Grass, clippings, leaves	At Cell Unit 1
10	12"x10"	Tank 1	At Tank 1
11	12"x10"	Tank 2	At Tank 2
12	15"x6"	No smoking	At all Leachate Tanks and at Cell 1 and Cell 4

## **12. All-Weather Access Road**

All road providing access to the landfill disposal units are paved with asphalt. These roads include access roads from the Resource Recovery Facility and the West Pasco Class III Landfill and Recycling Center, a perimeter road, and entrance ramps to the constructed disposal units.

## **13. Record Keeping and Reporting Requirements**

Records used for developing permit applications and other supplemental information will be maintained for the design period of the landfill in the Utilities Services Branch files.

Reports required by the permit will be maintained for at least ten years in the Utilities Services Branch files.

Background water quality records will be maintained for the design period of the landfill in the Utilities Services Branch file.

The Utilities Operation and Maintenance Director will submit annually to the Department estimates of other remaining capacity of the constructed and unconstructed permitted waste disposal units. Estimates will be maintained by the Utilities Services Branch files.

A technical report, prepared, signed and sealed by a P.G. or P.E. with experience in hydrogeologic investigations, will be submitted to the Department every two years. The report will summarize and interpret the water quality data and water level measurements collected during the previous two years.

The report will also include tabular and graphical displays of any parameters detected and water level hydrographs for all monitoring wells. The report will further show trends and comparison zones or aquifers, comparisons between upgradients and downgradient wells, correlations between related parameters, and any discussions of erratic and/or poorly correlated data. Groundwater contour maps will be interpreted as to groundwater flow direction and rates. The report will further evaluate the adequacy of the water quality monitoring frequency and sampling locations based upon the site conditions. The report will be signed, dated, and sealed by a P.G. or P.E.

Figure 1 Class III Landfill Site Layout

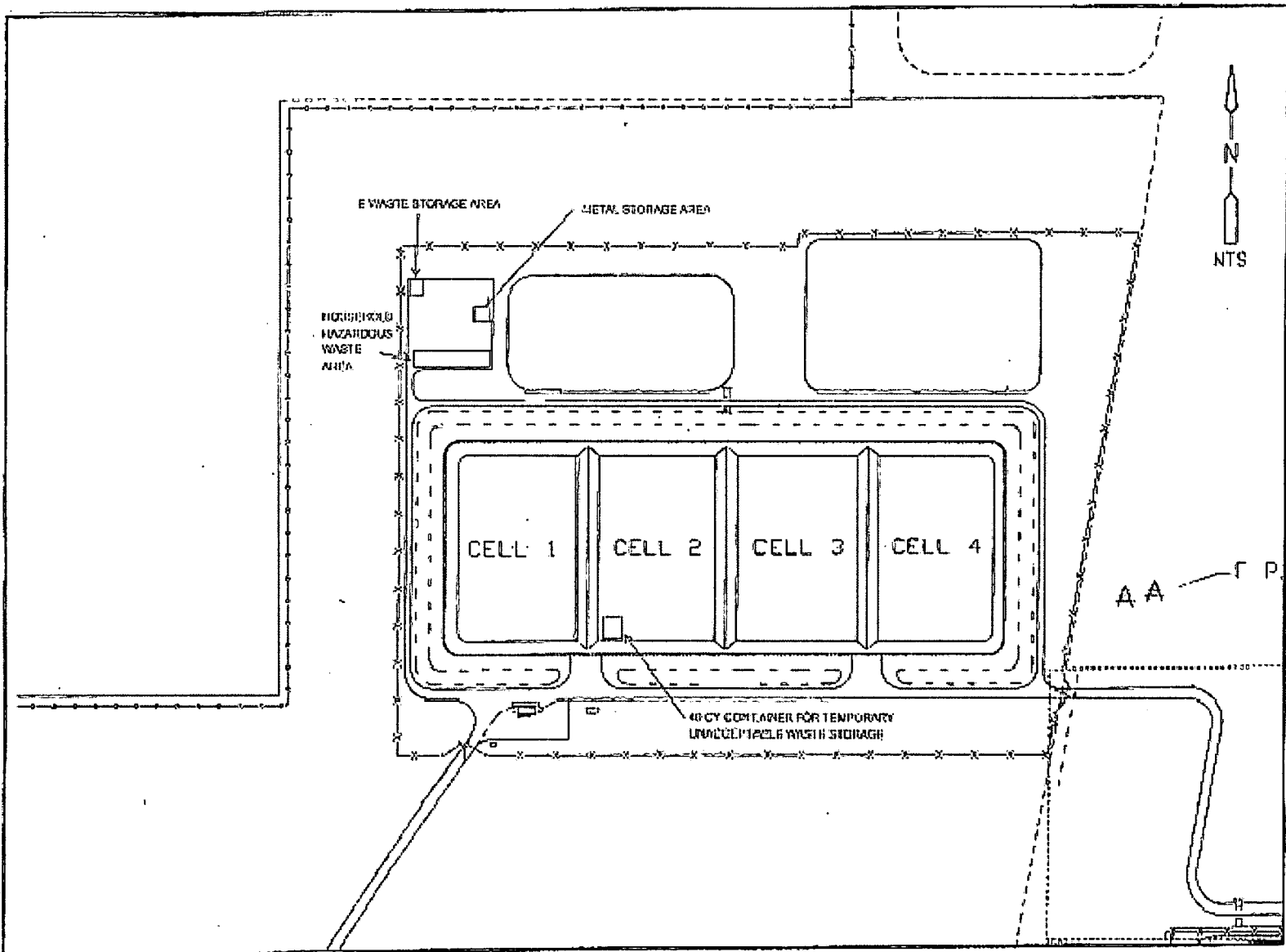


Figure 2 West Pasco County Class III Layout Sequence of Filling

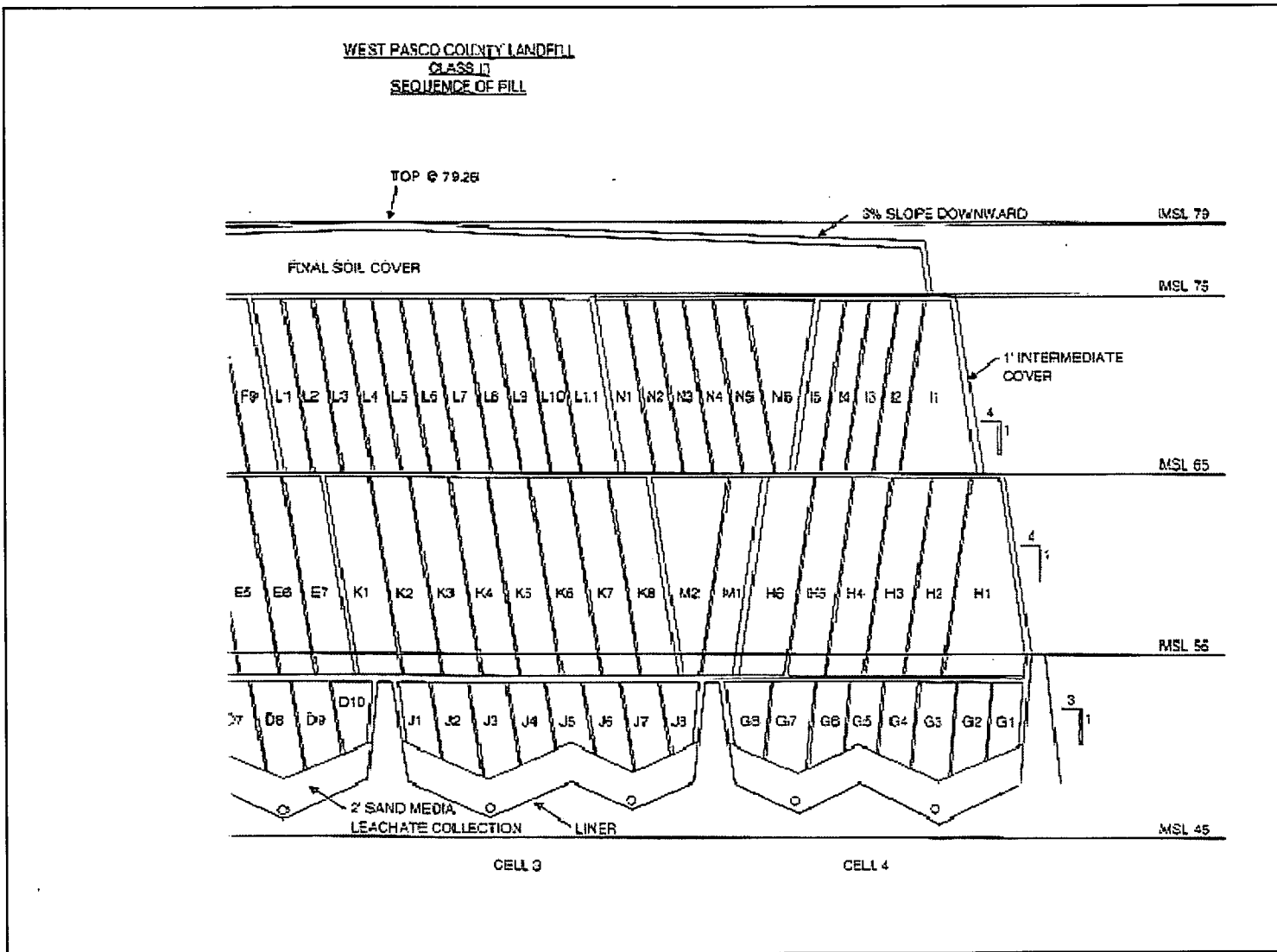


Figure 2 West Pasco County Class III Layout Sequence of Filling

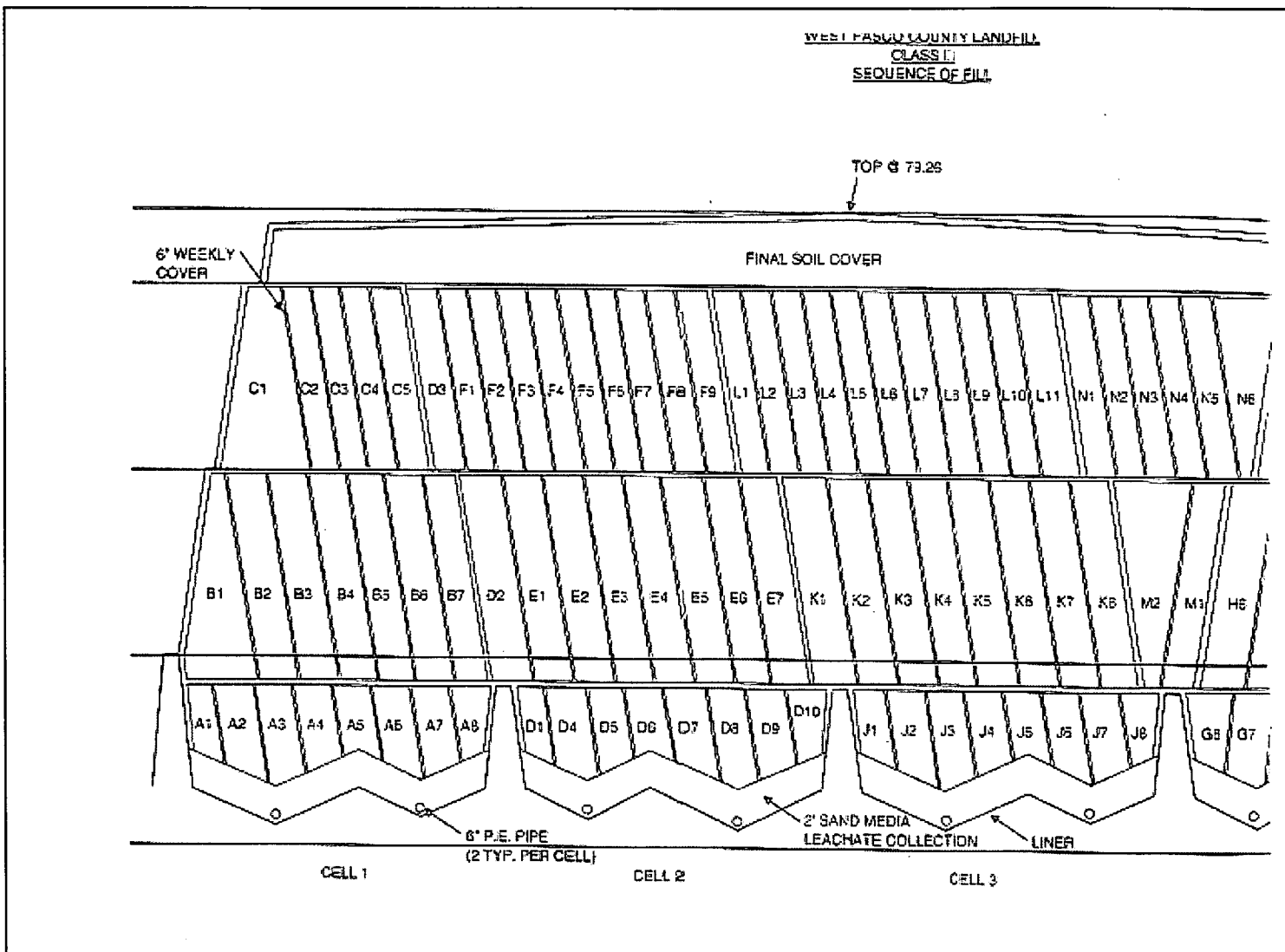


Figure 3 West Pasco County Class III Landfill Leachate Holding Tanks

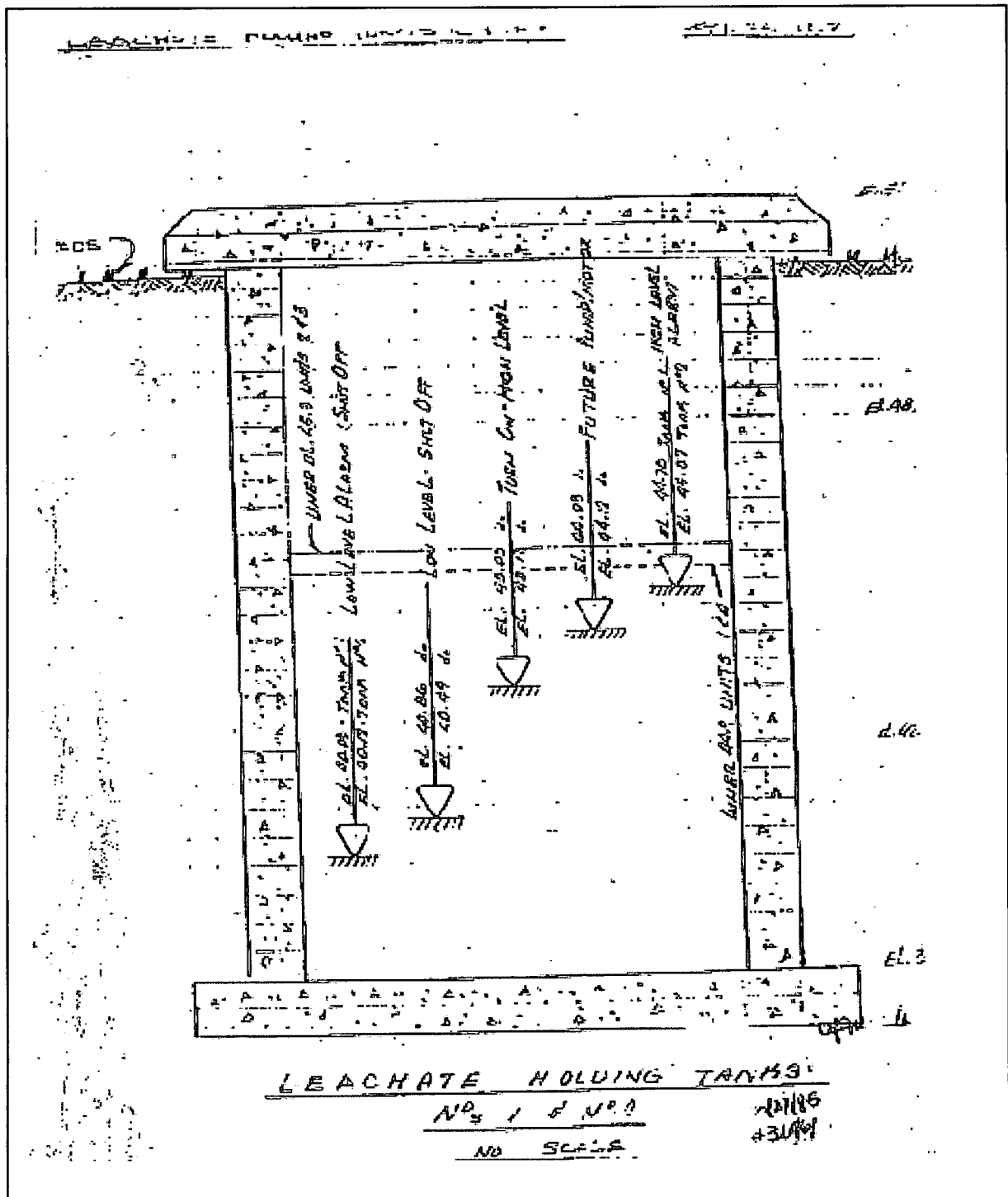


Figure 4 West Pasco County Class III Landfill Liner, Invert, and Tank Elevations

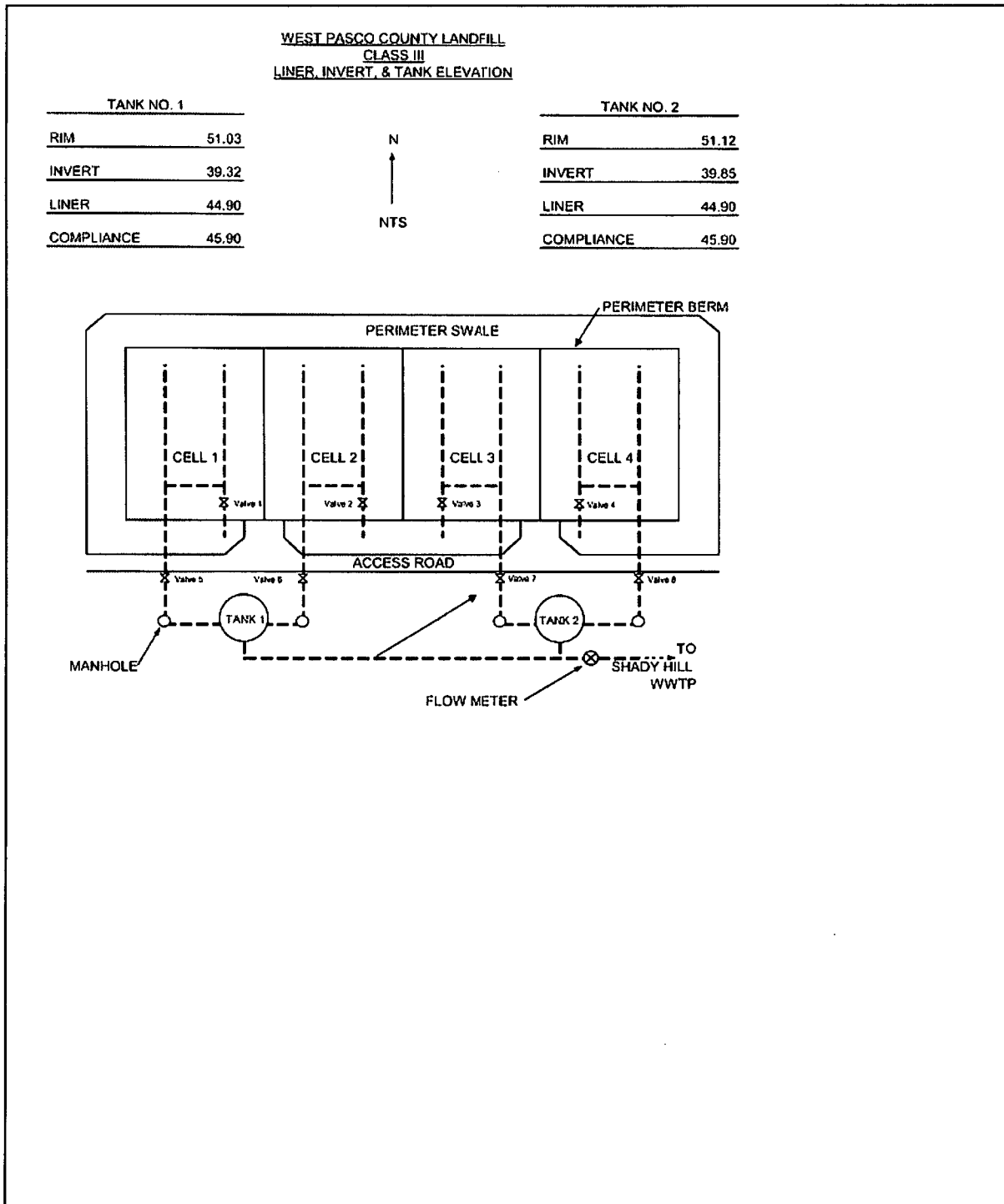


Figure 5 West Pasco County Class III Landfill Waste Screening Report

WASTE SCREENING REPORT	
Waste Hauler Company: _____ Date: _____	
A. <input type="checkbox"/> Acceptable Waste (Do NOT Complete Parts C, D, E)	
B. Type of Vehicle	
<input type="checkbox"/> Drop Box	<input type="checkbox"/> Rear Packer
<input type="checkbox"/> Other	<input type="checkbox"/> Transfer Vehicle
_____	
_____	
C. Type of Unacceptable Waste	
<input type="checkbox"/> Unburnable Construction Materials	<input type="checkbox"/> Asbestos Wastes
<input type="checkbox"/> Wallboard/Drywall/Gypsum Board	<input type="checkbox"/> Dangerous Materials
<input type="checkbox"/> Oversize Tires/Rim On	<input type="checkbox"/> Tar or Asphalt
<input type="checkbox"/> Other (describe) _____	
_____	
D. Description of Unacceptable Waste	
<input type="checkbox"/> Identifying Marks (specify) _____	
<input type="checkbox"/> Number/Quantity of Items _____	
<input type="checkbox"/> Description of Materials (Document with Photos if appropriate) _____	
E. Disposition of Unacceptable Waste (Removal Date: _____)	
<input type="checkbox"/> Returned to Vehicle	
<input type="checkbox"/> Isolated and monitored for removal by hauler	
<input type="checkbox"/> Other (describe): _____	
F. Inspector: Signature _____ Date _____	

# **Pasco County, Florida**



## **Citizen Drop Off**

## **Operations Plan** **For** **West Pasco County Solid Waste** **and** **Resource Recovery Facilities**

Rev'd 2/7/2011

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# 1.1 CDO Facility Description

## 1.1.1 Description of Loading, Unloading, Storage, and Processing Areas

Prior to entering the CDO, The customers would drive onto the scale and a county employee would inspect their load. Depending on the type of load a fee maybe required. Following inspection at the scalehouse, the scale attendant directs ~~waste some waste~~ collection and private vehicles to deliver waste directly to the Citizen Drop Off Area (CDO). The location of the CDO is shown on the site plan in Attachment C, Construction Drawings, Sheet 05-C-101, 05-C-104, 05-C-106 and Attachment I, Citizen Drop Off Layout. Vehicles drive into the paved CDO area. Policies applicable to the CDO are:

1. The citizen drop-off area is for residential use only. No business or commercial use is permitted.
2. Only normal household waste that would be placed at the curbside for regular pickup shall be exempt from payment.
2. ~~Exceptionally large loads of furniture or other waste (to be determined by the Solid Waste Attendant) will be escorted to the tipping floor CDO and will be charged the going rate, which is currently \$56.70 per ton.~~
3. ~~Mixed loads requiring special handling will be accepted and charged at the going rate, which is currently \$56.70 per ton. (This means solid waste and/or construction debris or other waste that cannot be incinerated.)~~
3. All municipal solid waste (garbage) from households must be in a closed container (i.e., bags, boxes, etc.); no charge.
4. Furniture (metal not included) may still be placed in the citizen drop-off container. Exception: sleeper sofas will be sent to the Class III Landfill. ~~No municipal solid waste will be permitted in the Class III Landfill.~~
5. ~~Chemically treated wood is not allowed in the citizen drop-off area. Other lumber, which is less than four (4) feet in length and six (6) inches in diameter, may be put in the citizen drop-off containers.~~
6. ~~Chemically treated wood and lumber in excess of four (4) feet and six (6) inches in diameter will be charged the going rate, which is currently \$56.70 per ton.~~
7. ~~Yard waste will be charged \$56.70 per ton.~~
8. ~~All yard waste over four (4) feet in length or greater than six (6) inches in diameter will be charged at the going rate, which is currently \$56.70 per ton.~~
9. ~~Special wastes: asbestos \$100.00 per ton; \$100.00 per event.~~
11. ~~Construction debris: \$56.70 per ton (\$56.70 per ton is prorated at \$2.83 per 100 pounds).~~
5. "Out of County" waste will not be accepted.
12. ~~All gas and oil must be removed prior to disposal of engines.~~

~~All waste processing activities (MSW disposal, tire shredding, wood chipping, etc.) take place at the Pasco County Resource Recovery Facility on Hayes Road in New Port Richey, Florida.~~

Individuals who refuse to follow the rules and policies of the Pasco County Solid Waste and Resource Recovery Section will be prohibited from the use of this facility.

### 1.1.2 MSW

MSW is stored in a covered 40-CY containers for transfer to the tipping floor at West Pasco Solid Waste & Resource Recovery Facility, which is done at least once a week. Procedure to handle any possible spills in this area is provided in the section 1.3.2.1 Response Procedures to Liquid Spills or Leaks of this Operations Plan. Initially there will be (4) stationary compactors and (6) 40 CY –roll off containers. As resources become available additional compactors may be installed in place of a 40 CY-roll off container.

### 1.1.3 Bulky Household Waste

Bulky household waste will be stored within the push walls of the CDO located to the eastside of the CDO. These items will be transported to the tipping floor at West Pasco Solid Waste & Resource Recovery Facility. Items that are classified as bulky household items are furniture and carpeting and other items of this nature.

### 1.1.4 Future Blue Bag Collection & Recycling-Drop-Off

~~There is an area that is reserved between the MSW storage and bulky household waste for future storage of recyclables. At this location 6-8 CY containers, pallets and drums could be stored and used as needed for future growth of the CDO.~~

Recyclable materials and blue bags will be stored in (1) 40-CY container at the CDO. The recyclables and blue bags will be transported to the Pasco County Recycling Facility. This container is covered when full, during inclement weather, and at the end of each day.

### 1.1.5 Hazardous Waste, Waste Tire/Waste Oil

Hazardous waste, waste tires, and waste oil are not to be accepted at the CDO. If any hazardous waste items such as fluorescent light bulbs are discovered in the CDO they will be temporarily stored in a container in the attendant garage at the CDO and transported to the household hazardous waste storage area located on the northwest portion of the facility. If tires and waste oil are discovered in a load, the attendant will direct the citizen to drive over to the waste tire or oil storage area to unload these items properly.

### 1.1.4 Waste Tires/Waste Oil

~~Collected waste tires are stored in a 40-cubic yard roll-off container for transported to the Tire Processing site at the West Pasco Facility located northwest of the CDO area. Waste tires accumulated at the drop-off center will be removed within seven days of receipt.~~

### 1.1.6 Storage Capacity & Storage Time

Storage capacities and storage times are summarized in Table 1 below.

**Table 1 – Storage Capacities & Time**

<u>Waste Type</u>	<u>Max Capacity</u>	<u>Storage Time</u>	
		<u>Typical</u>	<u>Maximum</u>
<u>MSW</u>	<u>Ten (10) 40-CY containers</u> <u>Total = 400 CY</u>	<u>12 hours</u>	<u>48 hours</u>
<u>Bulky Household</u>	<u>1,400 CY</u>	<u>24 hours</u>	<u>5 days</u>
<u>Blue Bag Storage/Recyclables</u>	<u>One (1) 40-CY container</u>	<u>24 hours</u>	<u>5 days</u>

## **1.2 Minimum Design Requirements**

The citizen drop off area meets the minimum design requirements of Rule 62-701.710(3), F.A.C. as follows:

### **1.2.1 Provisions for Weighing Incoming Materials**

All incoming waste collection vehicles stop on the scalehouse to be weighed. The waste unloading area is adequate for the expected quantity of incoming waste material. Wastes are transferred from the waste unloading area to a transfer trailer in the waste loading area as soon as practical. The transfer trailers deliver the wastes to the Pasco County Resource Recovery Facility as soon as they are filled.

### **1.2.2 Safety Procedures for General Public**

All general public entering the citizen drop off area are informed of safety procedures by the scalehouse attendant upon entering the site at the scalehouse. The public is also directed to remain in their vehicles until they are advised it is safe to get out and unload their vehicles. Children are instructed to remain in the vehicles. In addition, on-site signage directs the general public to various locations around the site. Personnel are available to supervise and assist the general public as required during all hours of operation. The general public is not permitted to use the citizen drop off area unsupervised.

## **1.3 Contingency Plan**

### **1.3.1 Operational Interruptions**

In the event of an emergency or delay in transporting the wastes including fires, natural disasters, etc, or if the citizen drop off area is rendered inoperable, the waste collection vehicles will be routed directly to the Pasco County Resource Recovery Facility for disposal, and FDEP will be notified within 24 hours. Other contingency policies in place at the facility are outlined below:

Implementation of the provisions of the facility's operations and contingency plans is the responsibility of the following individuals:

- Ron Walker, Solid Waste Superintendent
- John Power, Solid Waste Facilities Manager

Jointly, although each has individual authority, these individuals will assess the impact of a given incident. Based on the findings, those responsible will take all necessary steps to resolve the situation and notify the proper authorities. The position of "Solid Waste Facilities Manager" reviews the operations plan at least annually. The plan must be revised when:

- Regulations which affect the plan are revised
- The plan fails in an emergency
- The facility physically changes
- The list of Emergency Coordinators changes
- The list of emergency equipment changes

All revisions to the operations plan will be sent to FDEP for approval prior to implementation.

Upon discovery of a hot load the waste unloading area the attendant will immediately remove the load and/or box and transfer the load to the Waste to Energy tipping floor. ~~is vacated. The scale house attendant and Emergency Response Coordinator are notified and the Fire Department will be notified. Upon receipt of such load(s) the container will be drenched with the water available on-site using hoses. Most waste containers have a screw nozzle port for connecting to a water hose and the waste is drenched in the container itself. The load is soaked during dumping and it is wetted till the waste is cooled. The liquid from the floor is collected and stored as leachate.~~

~~If the hot load is unloaded, the facility personnel shall attempt to contain the fire until the fire department has arrived unless the fire is out of control and is a danger to employees. If this occurs, the facility is to be evacuated. Once the emergency has ended any ponding water shall be collected leachate.~~

## **1.3.2 Emergencies**

### **1.3.2.1 Response Procedures to Liquid Spills or Leaks**

Upon the discovery of a liquid spills or leaks the employee is to take the following steps to minimize the incident:

1. Apply absorbent material to the spill.
2. Clean and dry the area where the spill occurred, and
3. Lock-out, tag-out equipment (if applicable) until proper corrections can be made.
4. Used absorbent is disposed with the refuse unless it is suspected of being a hazardous waste, in which case the material will be tested. In general, leaks from equipment are limited to oil and hydraulic fluid, which are not hazardous waste. MSDS sheets for the fluid, waste process knowledge, outside labs and other available methods will be used to make a determination of the nature of the leak.
5. The citizen drop off area does not accept roll-off boxes which typically are likely to have leaking fluids from white goods, used equipment ect.

### **1.3.2.2 Emergency Response to Fire**

Upon discovery of a fire, no matter how small, the scale house attendant is to be notified. An Emergency Response Coordinator is to be notified and will respond to the area.

If a fire occurs, the fire department will be notified. Facility personnel are aware of the location of all fire extinguishers, hoses, and other equipment. Employees should try to contain the fire until the fire department has arrived, unless the fire is out of control and is a danger to employees. If this occurs, the facility is to be evacuated.

### **1.3.2.3 Arrangements with Emergency Authorities**

Both the local police and fire departments are aware of the nature of the operations at the citizen drop off area.

### **1.3.2.4 Emergency Response Equipment**

The emergency response equipment readily available on-site includes:

- Fire Extinguishers and Hoses
- Absorbent Materials
- Personal Protection Equipment

### **1.3.2.5 Evacuation Plan**

In the event of an evacuation, an announcement will be made over the intercom system and over site radios, and employees should immediately evacuate through the nearest unobstructed exit. Scale house personnel should follow posted evacuation routes.

### **1.3.2.6 Emergency Coordinators**

The nature of the operations enables a ~~transfer station~~ citizen drop off area employee to be on location at all operating times. These individuals have access to a telephone and are in charge of the emergency situations.

The primary individuals responsible for the coordination and evaluation of an emergency situation are listed below. Contact attempts should be made in the order listed below:

1. Ron Walker, Solid Waste Superintendent  
(727) 856-0119
2. John Power, Solid Waste Facilities Manager  
(727) 856-0119

Additionally, FDEP Solid Waste staff shall be notified. Their address and phone number is as follows:

Solid Waste Section  
Florida Department of Environmental Protection  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
(813) 632-7600

### **1.3.2.7 Responsibilities of the Emergency Coordinator**

One of the emergency coordinators is to be available at all times, either at the facility or on call. Upon notification or discovery of an emergency condition, the coordinator will evaluate the situation and notify the appropriate agencies to minimize the incident. In order to properly notify the appropriate agency, the coordinator should gather the following information (after the immediate hazard has been brought under control):

- Name and phone number of the coordinator
- Name and address of the facility
- Date and time of the accident
- Type of accident
- Extent of injuries, if any
- Possible hazards to health or environment outside the facility
- Agencies and names of individuals contacted

After the emergency condition has been controlled, the coordinators are responsible for investigating the incident to assess the damages, determine the cause, and decide what steps need to be taken to prevent a reoccurrence of the incident. After the incident, the coordinators are required to file follow-up reports to appropriate agencies as required by policy, permit, or law.

Clean-up operations are to commence as soon as possible to reduce the exposure to employees and properly dispose of all waste in as expedient a manner as possible. After the cleanup is complete, the coordinator must notify the appropriate state agencies prior to resuming operations.

Prior to resuming operations, all emergency equipment will be checked to ensure it is clean and ready for use. After the investigations are complete and corrective action has been identified, an emergency coordinator shall hold a meeting with the employees to train them on proper operating procedures to reduce the possibility of a recurrence of the accident.

#### **1.3.2.8 Agencies to be Notified**

In the event of an emergency such as fire, large spills, sudden release of contaminated materials, or explosion, the following shall be notified immediately, if applicable:

Pasco County Fire Department (727) 782-4987

Tampa Electric Company (352) 567-5645

FDEP Solid Waste Staff (813) 632-7600

IMMEDIATE EMERGENCY SERVICE 9-1-1

### **1.4 Record Keeping**

Operational records are processed through the administrative office located at the scale house. All incoming waste loads are weighed at the scale prior to delivery to the citizen drop off area. An attendant at the scale house operates a computerized record system which generates automated logs of daily incoming waste quantities. The operational records, consisting of the quantity of waste received and transported, and the origin of the waste, are compiled on a daily basis and filed at the administrative office on-site and in New Port Richey. These records are available for FDEP inspection, upon request. The files are maintained for a minimum of three years.

### **1.5 Maximum Waste Storage Time**

Incoming collection vehicles are routed through the CDO area on a first-in, first out basis. The waste from these collection vehicles is unloaded directly into the appropriate containers. This waste is loaded in to transfer trailers and transported to the Pasco County Resource Recovery Facility as soon as each transfer trailer is filled and a driver is available. At the end of the working day, if the waste is insufficient to fill a transfer trailer, it is stored in the containers overnight. This waste is loaded onto a transfer trailer on the morning of the next workday, within 24 hours. The maximum storage time for any waste at the facility is seven (7) days.

### **1.6 Vector/Odor Control**

Control of odors is maintained by limiting the amount of waste stored on-site. Site roads are periodically maintained for site cleanliness with street sweepers and manual collection of debris on a daily basis as needed. The combination of large building openings and large floor openings aids in producing natural air movement in the waste unloading area. The effect is a continual dilution of any offensive odors. The grounds are continually monitored for loose litter that is removed immediately (within 24 hours) if found. Odor inspections are conducted twice in a day and a log is kept at the facility. In the event an odor is detected, the County sprays the box and area surrounding the box with disinfectant, and removes the box

and waste causing the odor from the CDO and delivers it to the appropriate disposal area. ~~and vents the area using an exhaust fan. County practices constant load in g of waste combined with frequent cleaning and disinfecting the area to control odor. The waste transferred through this facility is handled on a first in, first out basis.~~

## 1.7 Facility Closure

Closure of the ~~facility~~ CDO is not anticipated anytime in the near future. However, should Pasco County decide to formally close the ~~facility~~ CDO, the County will notify the Department in writing and specify a closing date. No waste will be accepted at the ~~facility~~ CDO after the specified dosing date.

The closure procedure ~~for the CDO are consists of the following:~~

- ~~• Transfer authorized waste to loading areas for removal off site. Clean the recently used empty containers at unloading areas with on-site water and collect leachate with existing drain system. Record waste quantity transferred before shut down.~~
- Remove all containers, waste and/or recyclables from CDO to the tipping floor at the West Pasco Solid Waste & Resource Recovery Facility, or other appropriate disposal or processing location.
- If indications of leachate are discovered in CDO during closure refer to Section 1.3.2.4 Response Procedures to Liquid Spills or Leaks for proper course of action.
- ~~• Wash down all areas, which drain to the leachate collection system with existing hoses. Record leachate and sludge volumes.~~
- Lockout and tag-out the ~~facility~~ facilities, buildings, and equipment associated with CDO operation.

~~Within 30 days after receiving the final solid waste shipment, Pasco County will remove and dispose of all solid waste and residue at the Pasco County Resource Recovery Facility or other approved disposal location. Any putrescible waste will be removed within 48 hours. Closure will be completed within 180 days of receiving the final waste shipment. Closure will include removal of all recyclables from the site within 30 days of receiving the final waste delivery. Once closure is completed, Pasco County will certify to the Department that closure is complete.~~

## Attachment I - Storage Areas

# Bulkly Household Items

## Blue Bag & Recyclables

MSW

# ИЛИ

WEST PASCO SITE

3011 SW WILLISTON RD  
GAINESVILLE, FLORIDA 32608

**SOLID WASTE SYSTEM  
UPGRADE DESIGN  
PASCO COUNTY**

PRELIMINARY BID DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL.

NO.		DATE	DR	REVISION	CHK	APVD	BY	RM	RB
1		9/20/10							
2		12/15/10							

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
0	1"
DATE	NOVEMBER 20
PROJ	3782
DWG	05-C-1
SHEET	

NOTE: SEE GRADING, DRAINAGE, AND EROSION CONTROL PLANS FOR POND GRADING

NDM SERVER: G

FILENAME: dn05C104 378217.dgn PLOT DATE: 12/16/20

PLOT TIME: 4:31:15 P

Revised:  
October 2010

Attachment G  
Notice of Application

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# PASCO TIMES

An Edition of the St. Petersburg Times

Published Daily  
Port Richey, Pasco County, Florida

## STATE OF FLORIDA COUNTY OF PASCO:

Before the undersigned authority personally appeared Jessica Attard who on oath says that she is Legal Clerk of the Pasco Times a daily newspaper published at Port Richey, in Pasco County, Florida: that the attached copy of advertisement, being a Legal Notice in the matter of RE: Notice of Application

\_\_\_\_\_ in the \_\_\_\_\_ Court  
was published in said newspaper in the issues of  
July 31, 2010

Affiant further says the said Pasco Times is a newspaper published at Port Richey, in said Pasco County, Florida, and that the said newspaper has heretofore been continuously published in said Pasco County, Florida, each day and has been entered as second class mail matter at the post office in Port Richey in said Pasco County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that 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.

Jessica Attard  
Signature of Affiant

Sworn to and subscribed before me this 31st day  
of July, 2010.



JENNIFER BONIN  
MY COMMISSION # DD 928963  
EXPIRES: September 29, 2013  
Approved thru Budget Notary Services

J. Bonin  
Signature of Notary Public

Personally known X or produced identification \_\_\_\_\_

Type of identification produced \_\_\_\_\_

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

The Department announces the receipt of an application for permits from Pasco County Utilities, Mr. Bruce Kennedy, P.E., Assistant County Administrator, for construction of improvements to the Class III Landfill Facility known as the West Pasco County Class III Landfill, subject to Department rules, located at 14230 Hays Road, Spring Hill, FL.

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 N. Telecom Parkway, Temple Terrace, FL 33637-0926. (003330735) 07/31/10

**Attachment H**  
**Environmental Resource Permit**

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# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Mimi A. Drew  
Secretary

NOV 12 2010

Pasco County  
Utilities Services Branch  
Public Works, Utility Bldg., S-213  
c/o Mr. John Power  
7530 Little Road  
New Port Richey, FL, 34654-5598

Dear Mr. Power:

Enclosed is the Environmental Resource Permit, DEP Project No. 51-0301502-001, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions, which must be met when authorized activities are undertaken.

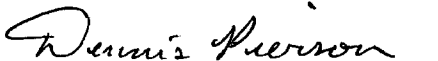
You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general conditions and specific conditions contained herein.

Please be aware of permit specific condition number 4 which states: "Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee (or authorized agent) and the contractor shall schedule and attend a pre-construction conference with a representative of the Department's Environmental Resource Management staff."

If you have any questions about this document, please contact me at (813) 632-7600, ext. 470.

Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely,

  
Dennis Pierson  
Engineering Specialist  
Environmental Resource Management

Enc: Environmental Resource Permit with attachments (30 pages)



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Mimi A. Drew  
Secretary

Permittee/Authorized Entity:  
Pasco County  
Utilities Services Branch  
Public Works, Utility Bldg., S-213  
c/o Mr. John Power  
7530 Little Road  
New Port Richey, FL, 34654-5598

## West Pasco County Class III Landfill Improvements

Authorized Agent:  
CH2M Hill  
c/o Mr. Richard Morrison, Associate Engineer  
3011 SW Williston Road  
Gainesville, FL, 32608-3964

Standard General  
Environmental Resource Permit  
State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization –  
Separate Corps Authorization Required

Permit No.: 51-0301502-001

Permit Issuance Date: NOV 12 2010  
Permit Construction Phase Expiration Date: NOV 12 2015



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Mimi A. Drew  
Secretary

## Standard General Environmental Resource Permit

**Permittee: Pasco County, Utilities Service Branch**

**Permit No: 51-0301502-001**

**Permit Issuance Date: NOV 12 2010**

**Permit Construction Phase Expiration Date: NOV 12 2015**

### AUTHORIZATIONS

#### Project Description

The permittee is authorized to construct a surface water management system (SWMS) comprised of four dry retention ponds (Ponds 1, 2, 3, and 4) to provide water quality treatment and discharge rate attenuation for new construction at an existing 10.3-acre facility. New construction at the facility will include a scale house, a citizen drop-off area and associated roadwork. Alterations to the existing SWMS for the facility are not authorized. Impacts to wetlands or other surface waters are not proposed or authorized and no activity will take place within the 100-year flood plain. Authorized activities are depicted on the attached exhibits.

The project described above may be conducted only in accordance with the terms, conditions and attachments contained in this permit. The issuance of this permit does not infer, nor guarantee, nor imply that future permits or modifications will be granted by the Department.

#### State-owned Submerged Lands Authorization

As staff to the Board of Trustees, the Department has reviewed the activity described above and has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, Florida Statutes.

#### Federal Authorization

A copy of this permit has been sent to the U.S. Army Corps of Engineers (USACE). The USACE may require a separate permit. Failure to obtain any required federal permits prior to construction could subject you to enforcement action by that agency.

#### Coastal Zone Management

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

### Water Quality Certification

This permit constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

### Other Authorizations

You are advised that authorizations or permits for this project may be required by other federal, state or local entities including but not limited to local governments and homeowner's associations. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

### **PROJECT LOCATION**

The activities authorized by this permit are located at the West Pasco Landfill, 14606 Hays Road, Spring Hill, Florida, 34610-3823, in Section 26, Township 24 South, Range 17 East, in Pasco County.

### **PERMIT**

The activities described herein must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions, and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these conditions and drawings prior to commencing the authorized activities. Failure to comply with these conditions, including any mitigation requirements, shall constitute grounds for revocation of the permit and appropriate enforcement action by the Department.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit as specifically described above.

### **SPECIFIC CONDITIONS:**

1. Submittals required herein (e.g., progress reports, record drawings, etc.) shall be directed to:

Department of Environmental Protection  
Southwest District  
Environmental Resource Management Program  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

Submittals shall include the permittee's name and permit number (51-0301502-001).

West Pasco Co. Class III Landfill Improvements  
Permit No. 51-0301502-001  
Page 2 of 13

2. In the event the permittee files for bankruptcy prior to completion of work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.

**PRIOR TO CONSTRUCTION CONDITIONS:**

The permittee shall comply with the following conditions prior to commencement of construction.

3. Subsequent to the selection of the contractor to perform the authorized activity and prior to the initiation of work authorized by this permit, the permittee (or authorized agent) and the contractor shall schedule and attend a pre-construction conference with a representative of the Department's Environmental Resource Management staff.
4. Progress reports for the project shall be submitted to the Department beginning April 1, 2011, and shall continue to be submitted quarterly until construction of the permitted project is completed. The cover page shall indicate the permittee's name and permit number 51-0301502-001. Progress reports must be submitted to the Department even if there is no ongoing construction. Reports shall include the current project status and the construction schedule for the following three months. The report shall include the following information:
  - a. Date permitted activity was begun; if work has not begun on-site, please indicate.
  - b. Brief description and extent of the work (i.e., site preparation, construction) completed since the previous report or since the permit was issued. Show on copies of the permit drawings those areas where work has been completed.
  - c. Brief description and extent of the work (i.e., site preparation, construction) anticipated in the next three months. Indicate on copies of the permit drawings those areas where it is anticipated that work will be done.
  - d. This report shall include on the first page, just below the title, the certification of the following statement by the individual who supervised preparation of the report: "This report represents a true and accurate description of the activities conducted during the three month period covered by this report."
5. If prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project area, the permittee shall cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The permittee, or other designee, shall contact the Florida Department of State, Division of Historical Resources, Review and compliance section, as well as the appropriate permitting agency office. Project activities

shall not resume without verbal and/or written authorization from the Division of Historical Resources. In the event that un-marked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

6. Best management practices for erosion control shall be implemented prior to construction commencement, and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Erosion control methods for shall be implemented as depicted in Drawings 05-C-105, 05-C-106, and 05-C-503 of the attached project drawings.

#### **CONSTRUCTION CONDITIONS:**

7. The construction staging area shall be located within uplands of the subject property as depicted on Drawing No. 05-C-105 of the attached project drawings. No equipment or material shall be stored in wetlands.
8. Grass seed, or sod shall be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waters of the state and/or adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be established within 60 days of sodding or seeding. Turbidity barriers/erosion control devices shall be removed upon establishment of a substantial vegetative cover.
9. The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during the construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.
10. The authorized stormwater management system shall be completed prior to or simultaneously with associated upland development. Occupation of the site shall be in accordance with General Condition 12.
11. Excavation of the Ponds 1, 2, 3, and 4, and swales, and the construction of the driveway surface gradients and the scale house, are limited to the permitted design specifications as depicted on Drawing Nos. 05-C-501 and 05-C-502 of the attached project drawings. If limestone bedrock is encountered during excavation of the ponds or swales, construction in the affected area shall cease. The permittee must submit a design revision to the Department for review and approval that will demonstrate compliance with Rule 6.4.1.b. of the Southwest Florida Water Management District Environmental Resource Permitting Information Manual, Part B, Basis of Review (B.O.R.) prior to proceeding with construction.

**CONSTRUCTION COMPLETION CONDITIONS:** (The permittee shall comply with the following conditions prior to the transfer to operation phase.)

12. The permittee shall submit two copies of signed, dated and sealed as-built drawings to the Department for review and approval within 30 days of completion of construction. The as-built drawings shall be based on the Department permitted construction drawings, which should be revised to reflect changes made during construction. Both the original design and constructed elevation must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered surveyor or engineer. *As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition to the "As-built Certification" form, the permittee shall submit the "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" form as required in General Condition #13.*

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Mr. Richard Morrison P.E. #67713, on August 10, 2010:

<u>Plan View/ Cross-Section</u>	<u>Drawing Number</u>
General Site Layout	05-C-101
Site Layout and Utilities Plan	05-C-102
Site Layout and Utilities Plan	05-C-103
Site Layout and Utilities Plan	05-C-104
Grading, Drainage, and Erosion Control Plan	05-C-105
Grading, Drainage, and Erosion Control Plan	05-C-106
Sections	05-C-501
Sections	05-C-502

**OPERATING CONDITIONS:** (The permittee shall comply with the following conditions for the life of the facility.)

13. The maintenance of the SWMS shall be in accordance with the attached Stormwater System Operation and Maintenance Instructions. It is the responsibility of the permittee to ensure that that the SWMS is functioning as designed.
14. The dry retention Ponds 1, 2, 3, and 4 are each intended to become dry within 72 hours after a rainfall event. A system that is regularly wet shall not be considered in compliance with this permit and possible modifications to the system may be required.
15. The Operation and Maintenance Entity shall perform inspections of the surface water management system beginning 24 months after operation of is authorized and every 24 months thereafter and submit inspection reports in the form required by the Department, FDEP Form # 62-343.900(6), *Inspection Certification*.

**END OF SPECIFIC CONDITIONS**

#### **GENERAL CONDITIONS:**

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction and permanent control measures shall be completed within seven days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.
4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the Department as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
5. Department staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the Department as a permit prior to the dewatering event as a permit modification. The permittee is advised that the rules of the Southwest Florida Water Management District state that a water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.

6. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.
7. Off site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operation schedules satisfactory to the Department.
8. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.
9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
  - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
  - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
  - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a written notification of commencement using an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C.) indicating the actual start date and the expected completion date.
12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.), and "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343-900(7), F.A.C.). Additionally, if deviations from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.
14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.
15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the Department until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the Department, if different from the permittee. Until a transfer is approved by the Department pursuant to Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.
16. Should any other regulatory agency require changes to the permitted system, the Department shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.
17. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.
18. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.

19. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
20. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.
21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.
22. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of section 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.
23. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with Department rules, regulations and conditions of the permits.
24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department and the Florida Department of State, Division of Historical Resources.
25. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

#### **NOTICE OF RIGHTS**

This permit is hereby final unless a sufficient petition for an administrative hearing is timely filed under Sections 120.569 and 120.57 of the Florida Statutes (F.S.) as provided below. The procedures for petitioning for a hearing are set forth below.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of

General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Because the administrative hearing process is designed to re-determine final agency action on the application, the filing of a petition for an administrative hearing may result in a modification of the permit or even a denial of the application. If a sufficient petition for an administrative hearing or request for an extension of time to file a petition is timely filed, this permit automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Accordingly, the applicant is advised not to commence construction or other activities under this permit until the deadlines noted below for filing a petition for an administrative hearing, or request for an extension of time has expired.

Under Rule 62-110.106(4), Florida Administrative Code (F.A.C.), a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

In the event that a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Any intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

In accordance with Rule 62-110.106(3) F.A.C., petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing within

the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes.

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

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action; and

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action;

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C. Under Sections 120.569(2)(c) and (d), F.S., a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

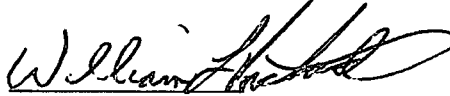
This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

This permit constitutes an order of the Department. The applicant has the right to seek judicial review of the order under Section 120.68, F.S., by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 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 when the final order is filed with the Clerk of the Department. The applicant, or any party within the meaning of Section 373.114(1)(a), F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1), F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed

with the Secretary of the Commission and served on the Department within 20 days from the date when the final order is filed with the Clerk of the Department.

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



William L. Vorstadt  
Program Administrator  
Submerged Lands & Environmental  
Resource Program

WLV/dp

**Attachments:**

Commencement notice /62-343.900(3) (1 page)  
Annual status report/62-343.900(4) (1 page)  
As-built certification/62-343.900(5) (1 page)  
Inspection certification/62-343.900(6) (1 page)  
Transfer construction to operation phase/ 62-343.900(7) (1 page)  
Project Location Map (1 page)  
Project Drawings (9 pages)  
Operation and Maintenance Instructions (2 pages)

**Copies furnished to:**

U.S. Army Corps of Engineers  
CH2M Hill, c/o Mr. Richard Morrison, Associate Engineer, 3011 SW Williston Road,  
Gainesville, FL, 32608-3964  
FDEP-SWD, Solid Waste, c/o Ms. Suzan Pelz, P.E., Program Administrator, 13051 North  
Telecom Parkway, Temple Terrace, FL 33637-0926  
Southwest Florida Water Management District, Sarasota Service Office, 6750 Fruitville Road  
Sarasota, FL 34240-9711 (Regarding File of Record #40 3002.000)  
File

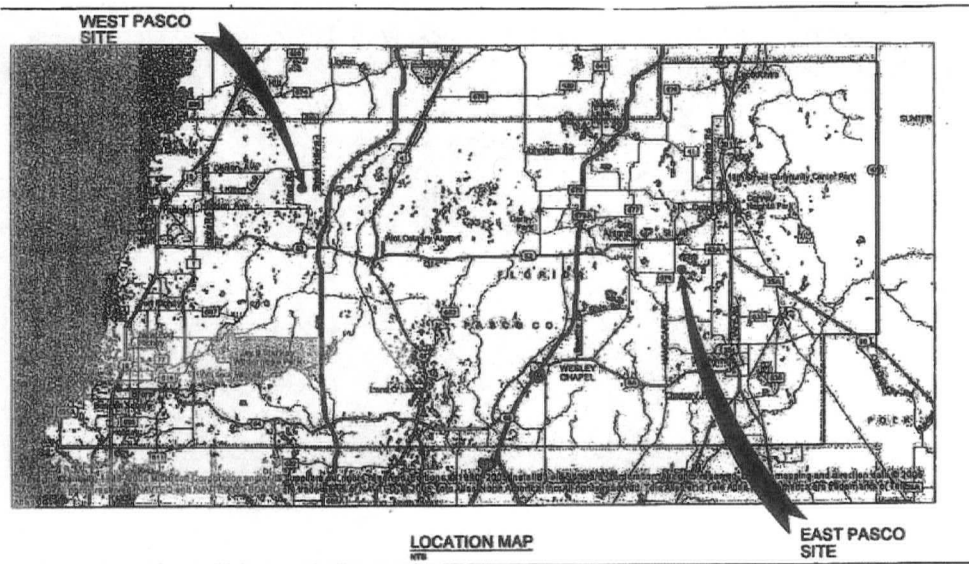
## Project Location Map

Project Name: West Pasco County Class III Landfill Improvements

File Name: Pasco Co. Utilities

File Number: 51-0301502-001

The project is located at the West Pasco County Class III Landfill, 14606 Hays Road, Spring Hill, Florida, 34610-3823, in Section 26, Township 24 South, Range 17 East, in Pasco County.



West Pasco Co. Class III Landfill Improvements

Permit No. 51-0301502-001

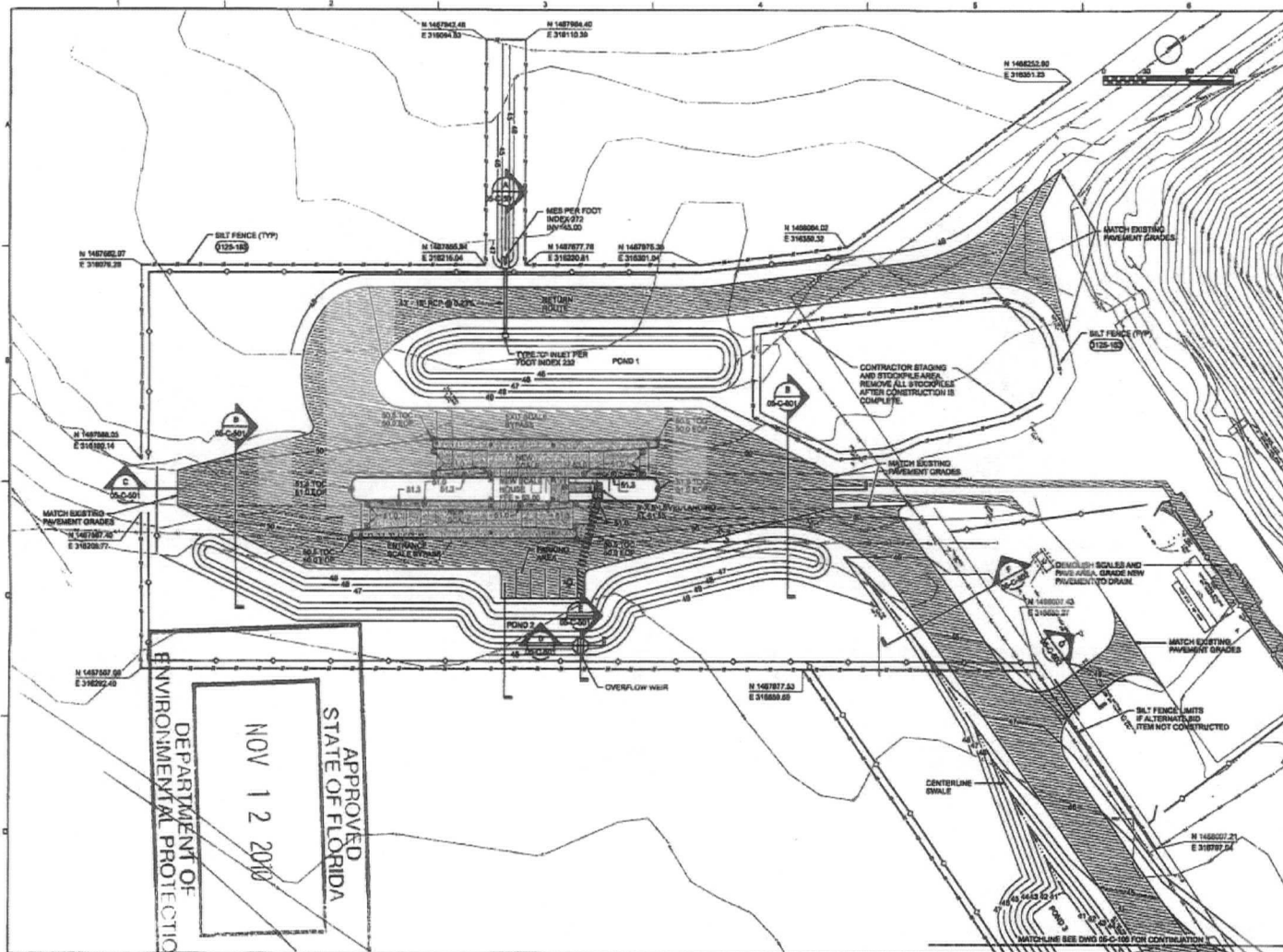
Page 1 of 1











APPROVED  
STATE OF FLORIDA  
NOV 12 2010  
DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

**CH2M HILL**

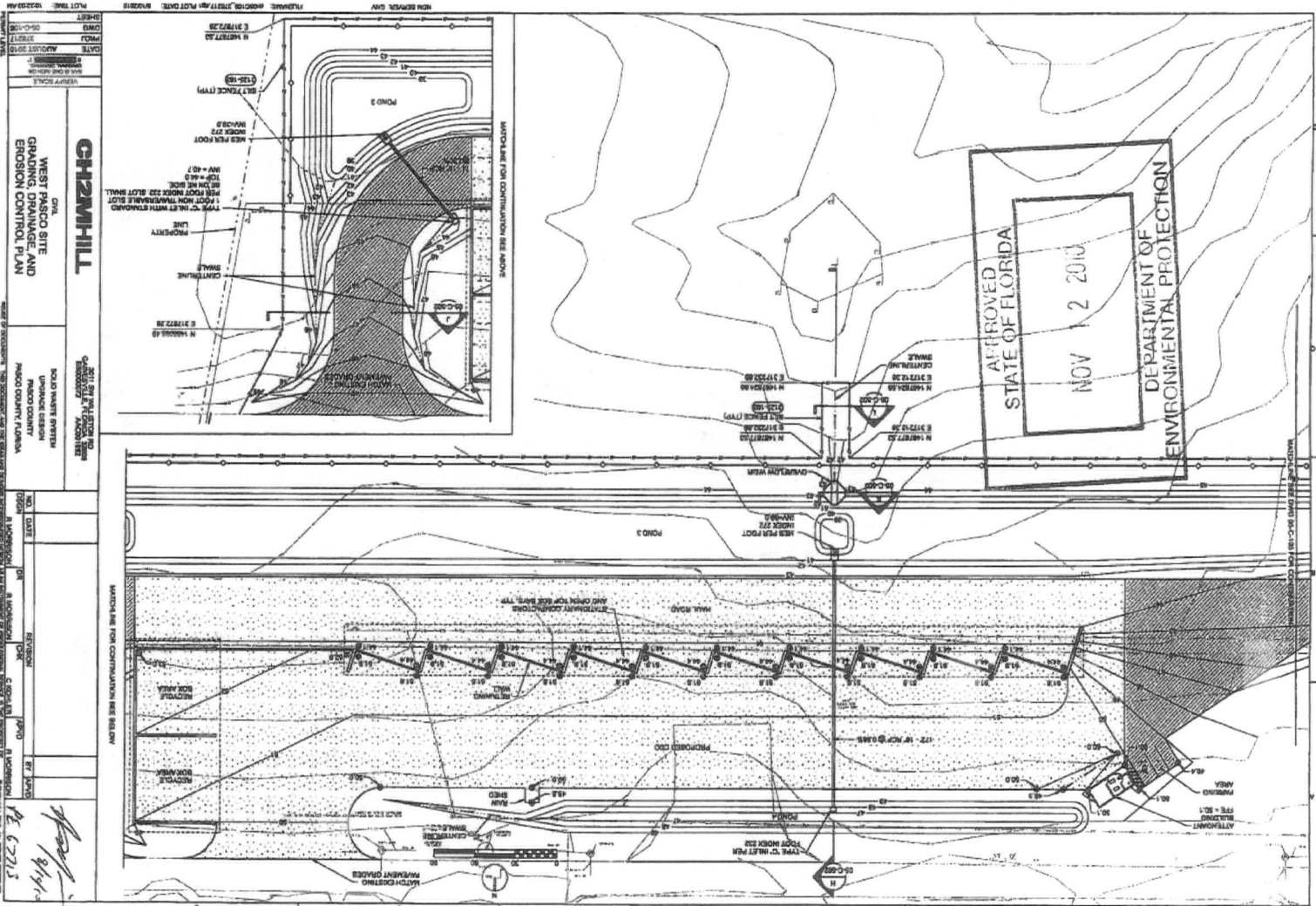
CIVIL  
WEST PRADO SITE  
GRADING, DRAINAGE AND  
EROSION CONTROL PLAN

SCALE: 1" = 40' (AS SHOWN)  
DATE: AUGUST 2010  
PROJECT: 318717  
DRAWN: 35-C-105  
SHEET: 1

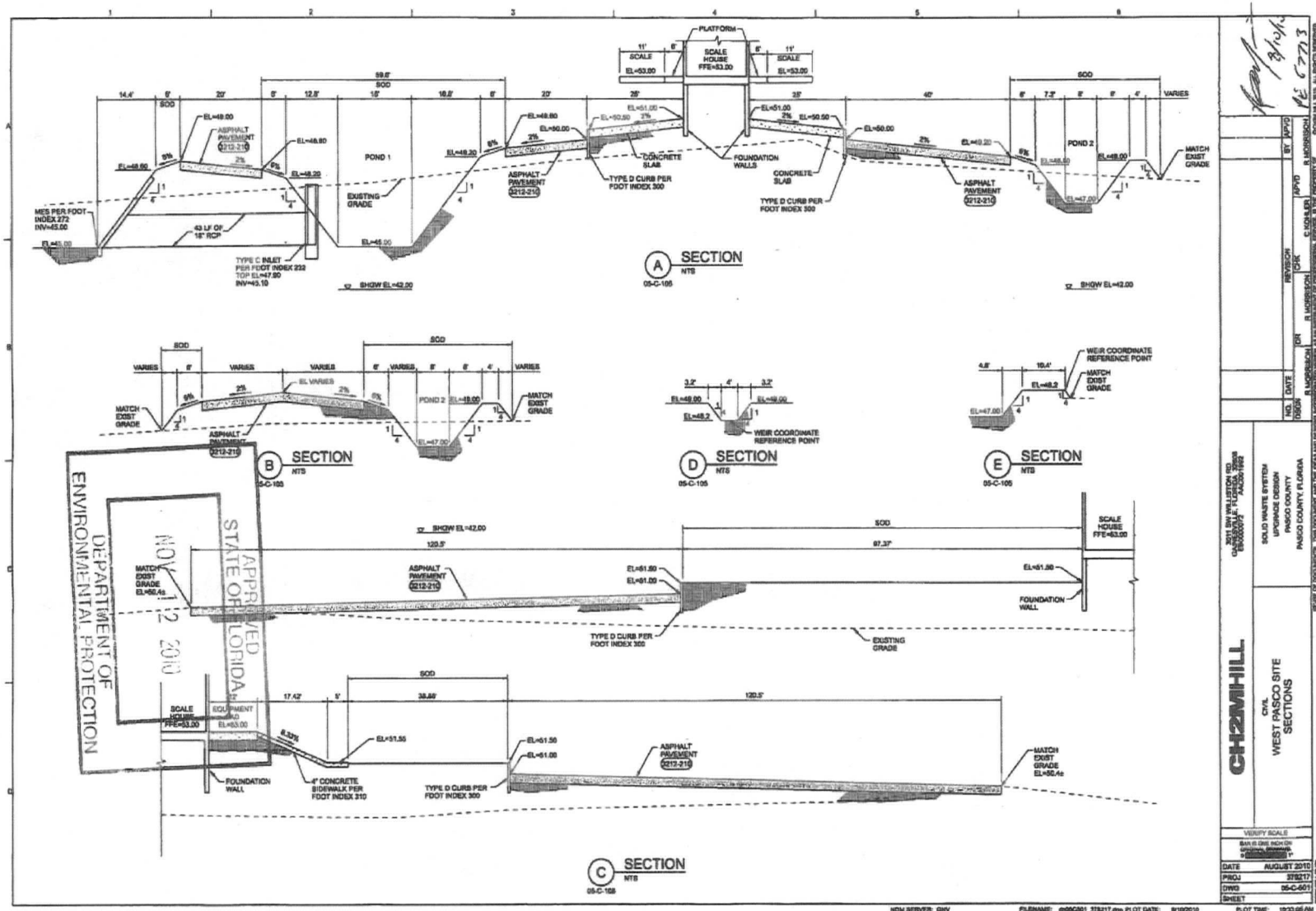
DESIGNED BY: [Signature]  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]

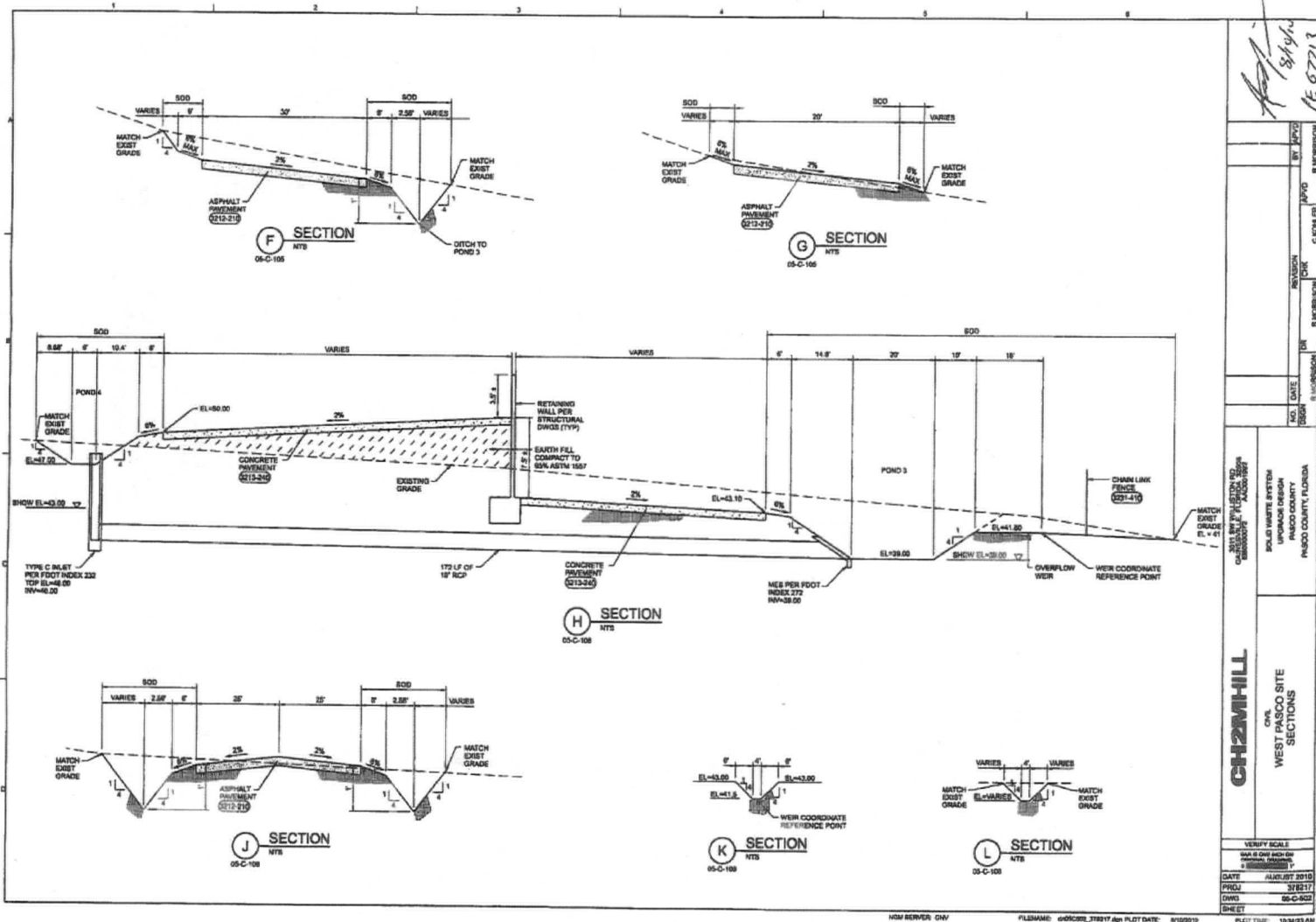
PROJECT LOCATION: [Address]  
CLIENT: [Name]  
PROJECT NO.: [Number]  
SHEET NO.: [Number]

DATE: [Date]  
PROJECT: [Project Name]  
DRAWN: [Drawn Name]  
SHEET: [Sheet Number]



<b>CH2M HILL</b> WEST PASCO SITE GRADING, DRAINAGE, AND EROSION CONTROL PLAN		DATE: 11/14/13 DRAWN: J. J. J. J. CHECKED: J. J. J. J. PROJECT: WEST PASCO SITE LOCATION: PASCO COUNTY, FLORIDA	
SCALE: 1" = 40' (PLAN) 1" = 10' (SECTION)		SHEET: 1 OF 1 TOTAL SHEETS: 1	





**CH2M HILL**  
CIVIL  
WEST PASCO SITE  
SECTIONS

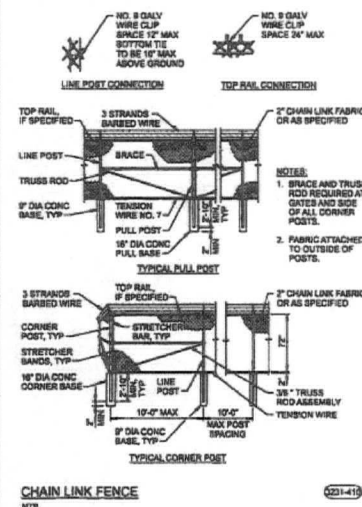
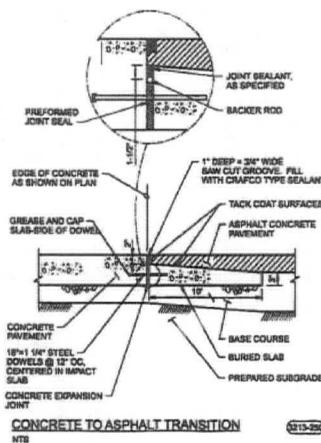
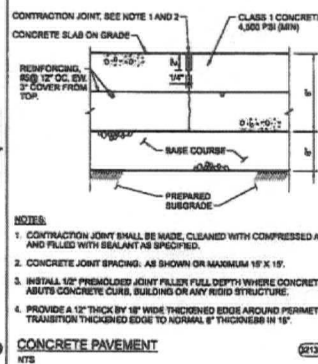
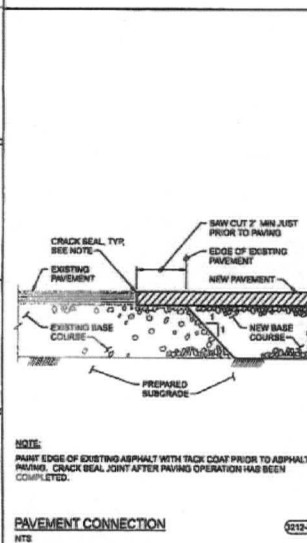
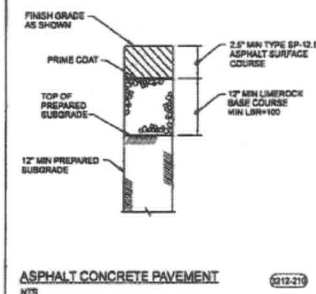
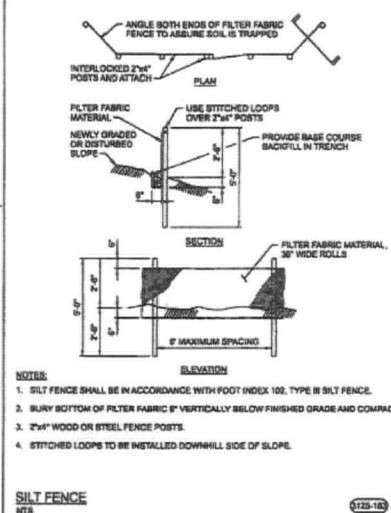
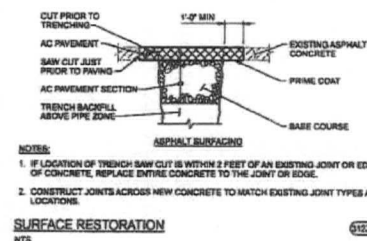
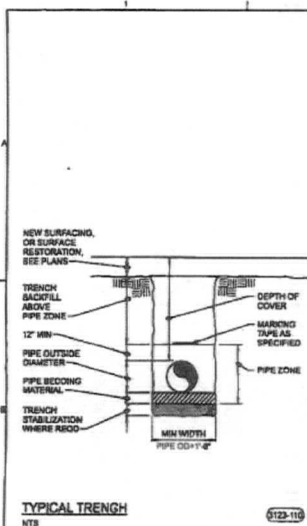
VERIFY SCALE  
MAX 6" DWG AND 10" PLOT  
HORIZONTAL REDUCED  
DATE: JANUARY 2010  
PROJECT: 378217  
DWG: 05-C-002  
SHEET

DATE: 1/14/10  
PROJECT: 378217  
DWG: 05-C-002  
SHEET

DATE: 1/14/10  
PROJECT: 378217  
DWG: 05-C-002  
SHEET

APPROVED  
STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

PCW 12 2010



NO. 5110  
8/9/10  
PE 67713

APPROVED  
STATE OF FLORIDA  
SOUTH FLORIDA REGION  
INGO COUNTY, FLORIDA  
NOV 12 2010

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CH2MHILL  
WEST PASCO SITE  
DETAILS

VERIFY SCALE  
DATE: AUGUST 2010  
PNCJ: 578217  
DWG: 06-C-500  
SHEET

FILE NAME: 060803\_37817.dgn PLOT DATE: 8/10/2010 PLOT TIME: 10:26:00 AM

**Operation and Maintenance Instructions  
for the  
West Pasco County Class III Landfill Improvements  
Surface Water Management System  
Permit No.: 51-0301502-001**

The following normal maintenance items, including cleaning or replacement of the various elements of the system, will be required for the surface water management system to continue to operate as designed.

**General Maintenance**

1. All surface water management system pipes, inlets, catch basins, manholes, flumes, pond inflow and outfall structures (including oil skimmers), and discharge pipes shall be inspected on a regular basis (monthly or quarterly) and following significant storm events. They shall be maintained by removing built-up debris and vegetation and repairing deteriorating structures.
2. Chemicals, oils, greases or similar wastes are NOT to be disposed of in the surface water management system or through storm sewers. Treatment ponds are designed to treat normal road, parking lot, roof and yard runoff only. Some chemicals may interfere with a treatment pond's functions or kill vegetation and wildlife. Dispose of these potentially dangerous materials properly by taking them to approved recycling facilities or collection locations sponsored by many local governments.

Also, do not dispose of grass clippings in a surface water management system. Grass clippings pose problems by smothering desirable vegetation, clogging outfall structures and, when they decompose, may cause unsightly algae blooms that can kill fish.

3. Accumulated pond sediments may contain heavy metals such as lead, cadmium and mercury, as well as other potentially hazardous materials. Therefore, sediments removed from surface water management system inlets, pipes and ponds shall be disposed of at an approved facility (check with your county Solid Waste Department or the Florida Department of Environmental Protection for disposal facilities approved to accept treatment pond sediment).
4. Avoid causing erosion or siltation to adjacent or off-site areas during any repair or maintenance activity.
5. Alterations (filling, enlarging, etc.) of any part of the surface water management system are not permitted without prior approval from the Department and all other applicable governing agencies.

### Dry Retention Pond

1. On a quarterly basis and following a storm event, the entity responsible for maintenance shall inspect the retention pond and outfall structure to ensure that the system is operating properly. If standing water persists longer than 72 hours after a normal summer rain event, or if wetland vegetation such as cattails grows in the retention areas, the surface water management system may be in need of repair. Repairs may be as simple as scarifying or raking the pond bottom, or may consist of removing the bottom sediment (approximately the top foot of soil) and replacing the soil with clean sand.
2. The retention areas shall be kept grassed and mowed frequently enough to prevent thatch buildup. Clippings and debris will be removed after mowing. Limit fertilizer use around the retention areas and do not fertilize the retention area bottoms.
3. Re-sod any of the retention areas (sides or bottom) where grass or sod has been removed or eroded.
4. Notify the Department within 24 hours of observation of sinkhole development within any of the retention areas of the surface water management system. Please reference Permit No. 51-0301502-001.

## Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase

(To be completed and submitted by the operating entity)

Florida Department of Environmental Protection

It is requested that Department Permit Number \_\_\_\_\_ authorizing the construction and operation of a surface water management system for the below mention project be transferred from the construction phase permittee to the operation phase operating entity.

Project:

From: Name:  
Address:  
City: State: Zip:

To: Name:  
Address:  
City: State: Zip:

The surface water management facilities are hereby accepted for operation and maintenance in accordance with the engineers certification and as outlined in the restrictive covenants and articles of incorporation for the operating entity. Enclosed is a copy of the document transferring title of the operating entity for the common areas on which the surface water management system is located. Note that if the operating entity has not been previously approved, the applicant should contact the Department staff prior to filing for a permit transfer.

The undersigned hereby agrees that all terms and conditions of the permit and subsequent modifications, if any, have been reviewed, are understood and are hereby accepted. Any proposed modifications shall be applied for and obtained prior to such modification.

Operating Entity:

\_\_\_\_\_  
Name

Title:

Telephone:

Enclosure

- ☐ copy of recorded transfer of title surface water management system  
☐ Coy of plat(s)  
☐ Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation.

## ENVIRONMENTAL RESOURCE PERMIT Construction Commencement Notice

Project: /

Phase:

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit Number \_\_\_\_\_ has commenced / is expected to commence on \_\_\_\_\_ and will require a duration of approximately \_\_\_\_\_ months \_\_\_\_\_ weeks \_\_\_\_\_ days to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing in order to satisfy permit conditions.

\_\_\_\_\_  
Permittee or Authorized Agent

Title and Company

Date

Phone

Address

## Environmental Resource Permit Annual Status Report

Florida Department of Environmental Protection

PERMIT NUMBER:

COUNTY:

PROJECT NAME:

PHASE:

The following activity has occurred at the above referenced poroject during the past year, between June 1, and May 30,

<u>Permit Condition/Activity</u>	<u>% of Completion</u>	<u>Date of Anticipated Completion</u>	<u>Date of Completion</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Use Additional Sheets As Necessary)

Benchmark Description (one per major control structure): \_\_\_\_\_

Print Name

Phone

\_\_\_\_\_  
Permittee's or Aurtherized Agent's Signature

\_\_\_\_\_  
Title and Company

\_\_\_\_\_  
Date

This form shall be submitted to the above referenced Department Office during June of each year for activities whose duration of construction exceeds one year.

**ENVIRONMENTAL RESOURCE PERMIT  
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL**

Permit Number:

Project Name:

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or Land Surveyor licensed in the State of Florida.

Name (please print)

\_\_\_\_\_  
Signature of Professional

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

## ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number:

Project Number:

Inspection Date(s):

Inspection results: (check one)

☐ I hereby certify that I or my designee under my direct supervision have inspected the system at the above referenced project and that the system appears to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable).

☐ The following necessary maintenance was conducted:

☐ I hereby certify that I or my designee under my direct supervision has inspected the system at the above referenced project and that the system does not appear to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable). I have informed the operation and maintenance entity of the following: (a) that the system does not appear to be functioning properly, (b) that maintenance is required to bring the system into compliance, and (c) if maintenance measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to Department approval.

Name

\_\_\_\_\_  
Signature of Professional Engineer

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(affix seal)

Within 30 days of completion of the inspection, submit two copies of the form to the following Department Office:

Department of Environmental Protection

**New**

**Attachment I Citizen Drop Off Layout**

**Attachment I**  
**Citizen Drop Off Layout**

---

**Attachment I**  
**Citizen Drop Off Layout**

---

Replace existing layout.

*attached  
to CSD op plan*



3011 S.W. Williston Road  
Gainesville, Florida 32608-3964  
Tel (352) 335-7991

October 8, 2010

Nancy Gaskin  
Solid Waste Section  
FDEP South West District  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

OCT 12 2010

SOUTHWEST DISTRICT  
TAMPA

Subject: West Pasco County Class III Landfill, Pasco County  
Pending Permit Modification No.: 26254-002/IM to  
Existing Permit No.: 26445-001-SO/T3  
WACS Id No.: 45920

Dear Ms. Gaskin:

This letter is a response to the department's first request for information dated July 15, 2010 regarding the above mentioned subject matter.

General:

1. The requested information and comments below do not 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.

*Response to Comment 1. - Acknowledged*

2. Please Submit **4 copies** of all requested information. Please specify if the 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 underlined (underlined) or a similar notation method may be used. This format will expedite the review process. Please include the revision date on all revised pages.

*Response to Comment 2. - Acknowledged*

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, ect.

*Response to Comment 3. – Acknowledged*

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.**

*Response to Comment 3. – Acknowledged*

#### **Solid Waste Class III Landfill Application for Intermediate Modification**

1. Operations Plan, Rules 62-701.320(7)(e) and 62-701.50(2), F.A.C. Please provide a revised facility Operation Plan which reflects all changes to construction improvements proposed in this application. Please provide revised attachments for the facility Operations Plan and revise all references to these figures.

*Response to Comment 1. – Operations plan attached in Attachment F. ✓*

2. Application form, Rule 62-701.320 (5) (a) & (7) (b), F.A.C.
  - a. Item A.6 Please verify the address listed in this item. The address given is not consistent to the address listed on the current facility permit. Revise this form accordingly.

*Response to Comment 2.a – Incorrect address used. Updated Item A.6 on application form to 14230 Hays Road, consistent with the current permit address. ✓*

- b. Item A.7. Please verify the coordinates given. The coordinates given are not consistent with the coordinates listed on the current facility permit. Please revise this form accordingly.

*Response to Comment 2.b. – Incorrect coordinates use replace with: ✓*

28° 22' 22 " N 82° 34' 06" W

3. Section 1 Permit Application

- a. **§1.1** Please specify whether the proposed CDO will be an addition to or replacement for the currently used CDO located at the main facility entrance adjacent to the West Pasco Resources Recovery Facility.

*Response to Comment 3.a. - If the proposed CDO is constructed it will serve as the replacement facility for the existing facility located at the main facility entrance. CDO is an alternate bid item and may not be constructed. Alternate bid item is defined as the construction of the proposed CDO facility will receive bid proposals separately from the rest of the proposed construction. Depending on bid proposal and funding available during the bid phase, the owner may elect to construct the CDO or not to.*

- b. **§2.3** Please clarify what is meant by an alternate bid item. Please provide an updated status for this alternate bidding procedure. Please specify whether construction is planned regardless of bidding or if construction is dependent on results of the bidding process. Please revise and submit all pertinent section of the operations plan to reflect changes resulting from the construction and operation of the proposed CDO. (See also Comment #1 above.)

*Response to Comment 3.b. - See response to comment 3.a above.*

- c. **§2.4** Please provide the plan sheet 30-P-101 referenced in this section

*Response to Comment 3.c. - Plan sheet included Attachment C -Construction Drawings.*

- d. **§2.9** Please confirm submittal of the ERP application referenced and provide a copy of the permit upon issuance.

*Response to Comment 3.d. - Submitted application on June 16, 2010. Request for additional information received July 20, 2010. Responses to RAI return to agency August 17, 2010.*

*A copy of permit will be provided upon issuance. (FDEP File No. 51-0301502-001)* ✓

4. Plans and Drawings, Rules 62-701.320(7) (f), and 62-701.710(2) (b), F.A.C. Due to extent and complexity of the Department's comments and questions and difficulty in describing some comments related to these drawings, these drawings will be discussed in detail at the meeting requested at the end of this letter. Please provide revised drawings that address the comments provided below and at the above-reference meeting, including all necessary details for the construction and operation of the facility. **The drawings will be reviewed in their entirety after the responses to these requests for information are submitted.**

*Response to Comment 4. - Meeting held Wednesday September 1, 2010 2 p.m. to discuss Drawings.*

- a. **05-C-102.** Please verify whether the sanitary sewer line from the scale house is intended to discharge to Leachate Tank # 1 as indicated on this sheet. Please provide piping details for the water and sanitary sewer lines for the scale house. Please provide a detail view of the sanitary sewer line connection with Leachate Tank #1.

*See  
05-C-102*

*Response to Comment 4.a. - Revised to pump directly into the force main. See Attachment C, Construction Drawing 05-C-102 and 05-C-504.*

- b. **05-C-104.** Please define alternate bid as it is used on this sheet. (See also Comment #3.b above.) Please verify whether the sanitary sewer line for the Attendant Building is intended to discharge to Leachate Tank #1. This sheet identifies a section of pipe as both a leachate force main in relation to the sewer line. Please identify the location of the leachate force main in relation to the sewer line from the Attendant building. Provide a detail view of the sanitary sewer line connection with Leachate Tank #1. Please provide specific procedures for the storage and management of all recyclables to be managed in the area designated on this sheet. (See also Comment #1 above).

*Response to Comment 4.b. - See response from comment 3.a. for alternate bid item definition. Proposed sanitary sewer line from the attendant building is proposed to connect directly into the force main. See Attachment C Construction Drawing 05-C-104 and 05-C-504.*

*The storage and management of the recyclables is a collection center that is open to the public from 7:00 a.m. to 4:00 p.m., Monday through Saturday of each week. The center is staffed by a trained operator who is responsible for assisting citizens with placing recyclable materials in the proper location. The center has one covered 40 cubic yard roll-off container for commingled glass, aluminum cans, steel cans, and plastic containers with recycling codes No. 1 and No. 2. A second roll-off container is provided for newsprint only. The facility configuration is shown on the site plan attached as Attachment C Construction Drawings of this Report. The maximum storage time for special waste is managed is up to seven days and normally special wastes are removed twice a week.*

*See  
05-C-104  
Site  
Plan*

*See  
Site  
Plan*

*Large or special items that can be recycled are stored in concrete bunkers. Within this area, white goods and scrap metal are accepted and sold for recycling by County contract. Fluids (Freon, gasoline, oil, residual propane, etc) are removed from white goods and special items prior to removal from site. These fluids are managed by the Household*

*Hazardous Waste Collection Center. Also stored within one of the bunkers are electronic wastes, which are collected for recycling on a periodic, as-needed basis.*

*Collected waste tires are stored in a 40 cubic yard roll-off container for transport to the Tire Processing site at the West Pasco Facility. Waste tires accumulated at the drop-off center will be removed within seven days of receipt. All waste processing activities (MSW disposal, tire shredding, wood chipping, etc.) take place at the Pasco County Resource Recovery Facility on Hayes Road in New Port Richey, Florida.*

- c. **05-C-106.** This sheet identifies the previously identified Attendant Building as "New Scale House". Please verify that scales will not be installed at this building.

*Response to Comment 4.c. - Drawing was mislabeled. Scales will not be installed at this building. Building is the proposed attendant building. See Attachment C, Construction Drawings 05-C-106.*

- d. **50-A-102.** This sheet indicated that the existing scale house trailer will not be demolished, but the scales and deck will be removed. Please specify the future use of this building and whether it will remain connected to utilities. Drawings currently reference in the facility permit show this building connected to a septic system. Please revise this drawing to identify the proposed utilities and piping detail for this building. (See also Comment #1 above.)

*Response to Comment 4.d.-The future use of the facility will be an employee break room. The connections to the existing utilities will remain as is. Septu*

5. Notice of Application, Rule 62-701.320 (8), F.A.C. Please publish the attached Notice of Application in a newspaper of general circulation in the area of the project, and provide proof of publication to the Department.

*Response to Comment 5. - Notice of Application included in Attachment G.*

6. Cover Page Format, Rule 62-701.320(7) (d), F.A.C. Please provide a revised cover page for the application that is signed and sealed by the project engineer. Please provide the Certification of Authorization number for the authorized engineering business that prepared the application.

*Response to Comment 6. New cover sheet provided and added the Certificate of Authorization number for the authorized engineering business that prepared this application. Engineering Business Number: EB0000072*

*White*

7. Financial Assurance and Closure cost Estimates, 62-701.630 F.A.C Please verify whether any potential increase in waste and material management resultant from these improvements will not exceed the financial assurance provided. If so please submit revised closure cost estimates for the facility.

*Response to Comment 7. - Improvements are not expected to increase amount of waste collected. The existing facility will remain as currently operated during construction and the facility will include new inbound and outbound scales (replacing the old scales), bypass lanes, and associated roadwork. A new citizen drop off area may be constructed with an attendant building; this will be an alternate bid item on plans. Also see response to comment 3.a.*



3011 S.W. Williston Road  
Gainesville, Florida 32608-3964  
Tel (352) 335-7991

December 20, 2010

Nancy Gaskin  
Solid Waste Section  
FDEP South West District  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
DEC 21 2010  
SOUTHWEST DISTRICT  
TAMPA

Subject: West Pasco County Class III Landfill, Pasco County  
Pending Permit Modification No.: 26254-002/IM to  
Existing Permit No.: 26445-001-SO/T3  
WACS Id No.: 45920

Dear Ms. Gaskin:

This letter is a response to the department's first request for information dated July 15, 2010 regarding the above mentioned subject matter. Items that have been revised are the only items that are included in this package.

General:

1. The requested information and comments below do not 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.

*Response to Comment 1. - Acknowledged.*

2. Please Submit 4 copies of all requested information. Please specify if the 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 underlined (underlined) or a similar notation method may be used. This format will expedite the review process. Please include the revision date on all revised pages.

*Response to Comment 2. - Acknowledged.*

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, ect.

*Response to Comment 3. – Acknowledged.*

Documents to be replaced:

Table of Contents - Page 2 Attachments

Section 2, Additional Information (62-701,FAC)- Page 2-2

Attachment F - Operations Plan & Citizen Drop Off Operations Plan

Documents revised:

Attachment C, Construction Drawing sheet 05-C-104

New Documents:

Attachment H - Copy of Environmental Resource Permit

Attachment I - Citizen Drop Off Layout

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.**

*Response to Comment 3. – Acknowledged.*

**Solid Waste Class III Landfill Application for Intermediate Modification**

1. Operations Plan, Rules 62-701.320(7)(e) and 62-701.50(2), F.A.C.
  - a. When compared to the currently permitted Landfill Operations Plan for West Pasco Class III Landfill (revised June 2008, prepared by CDM) the proposed operations plan lacks the most recent revisions made to the current permitted Operations Plan.

As previously requested, please provide a **current** facility Operation Plan including revisions which reflect all changes operational procedures and referenced documents, resulting from the construction improvements proposed in this application. Please provide revise attachments for the facility Operations Plan and revise all references to these figures.

*Response to Comment 1. – Current facility Operations Plan is included with revisions see Attachment F, Operations Plan.*

2. Application form, Rule 62-701.320 (5) (a) & (7) (b), F.A.C.  
a. **Item A.6. No additional information is requested for this item.**

*Response to Comment 2.a – Acknowledged.*

- b. **Item A.7. No additional information is requested for this item.**

*Response to Comment 2.b. – Acknowledged.*

3. Section 1 Permit Application

- a. **§1.1 No additional information is requested for this item.**

*Response to Comment 3.a. - Acknowledged.*

- b. **§2.3 No additional information is requested for this item.**

*Response to Comment 3.b. - Acknowledged.*

- c. **§2.4 No additional information is requested for this item.**

*Response to Comment 3.c. - Acknowledged.*

- d. **§2.9 A copy of the ERP permit will be provided at issuance.  
No additional information is requested for this item.**

*A copy of permit is provided see Attachment H, Environment Resource Permit. (FDEP File No. 51-0301502-001)*

4. Plans and Drawings, Rules 62-701.320(7) (f), and 62-701.710(2) (b), F.A.C.  
Please provide the following additional information and revisions to the plans.

**Please provide full sized 22 by 34 inch drawings showing all revisions to replace drawings initially submitted as part of the application package.**

- a. **05-C-102. No additional information is requested for this item expect.**

*Response to Comment 4.a. – Acknowledged.*

- a. **05-C-104.** Please provide the site plan showing the facility configuration included with the Attachment C Construction Drawings referenced in response to this item. (See also Comment #8 below.)

*Response to Comment 4.b. – Sheet 05-C-104 has been revised to where recycle box area was called out will be bulky household waste, see Attachment C Construction Drawings*

*for revision cloud and signed and sealed drawing. Site Plan of facility configuration will include not recyclables initially, there will be space allocated for recycles for future use. This has been revised on Attachment I, Citizen Drop Off Layout and the Attachment F, Citizen Drop Off Operations Plan.*

- b. **05-C-106. No additional information is requested for this item.**

*Response to Comment 4.c. – Acknowledged.*

- c. **50-A-102. No additional information is requested for this item.**

*Response to Comment 4.d.- Acknowledged.*

5. Notice of Application, Rule 62-701.320 (8), F.A.C. **No additional information is requested for this item.**

*Response to Comment 5 – Acknowledged.*

6. Cover Page Format, Rule 62-701.320(7) (d), F.A.C. Please provide a revised cover page for the application that is signed and sealed by the project engineer.

*Response to Comment 6- Acknowledged.*

*3pb  
hr  
not sealed*

7. Financial Assurance and Closure cost Estimates, 62-701.630 F.A.C  
**No additional information is requested for this item.**

*Response to Comment 7 - Acknowledged.*

8. Citizens Drop Off Operations Plan

- a. Please clarify all references to a “transfer station” in this operations plan, and revise all appropriate sections.

*Response to Comment 8a. – The “transfer station” references within the citizen drop off operations plan is referencing the citizen drop off area. Citizen Drop Off Operations Plan has been revised where “transfer station” is replaced with “citizen drop off area”.*

- b. **§1.1 Facility Description.** Please revise this section to specify the total maximum number of waste containers in the CDO; including roll off containers, 6-8CY containers, tanks, drums, and pallets, ect.

*Response to Comment 8b. – There will be a maximum of ten 40-cubic yard roll-off containers or stationary compactors for MSW waste, an additional two 40-cubic yard roll-off containers for future recyclables, additional 6-8 CY containers pallets, and drums will be used as needed for future growth. See Attachment I, Citizen Drop Off Layout for*

*locations. Initially the facility will have four stationary compactors and six 40-cubic yard roll off containers for MSW waste.*

- c. **§1.1.2 Recycling Drop-Off Center.** Please revise this section to specify if this section is referencing the existing recycling area or is referencing the recycling area in the proposed CDO. Please revise this section to specify the location of the five bunkers referenced.

*Response to Comment 8c. – Section has been revised for future use of recycling drop off. See updated Attachment F Citizen Drop off Operations Plan.*

- d. **§1.1.2 Blue Bag Collection Area.** Please revise this section to specify the location of this blue bag 40 CY container in the CDO.

*Response to Comment 8d. – Blue Bag collection will not be collected at the CDO. Section has been removed from the CDO Operations Plan.*

- e. **§1.1.4 MSW.** Please revise this section to specify the location and number of MSW collection container (s) in the proposed CDO. Facility drawings provided indicate that compactor boxes will be used and if so revise this section accordingly. Please provide information regarding leak prevention and containment for any leachate that may be generated and leak from these compactors. Please revise this section as appropriate.

*Response to Comment 8e. – There are ten MSW containers proposed for the CDO. Generation of leachate is minimized due to the canopy coving the area. Any noticeable spills such as leachate from compactors will be cleaned up with absorbent material per the Operations Plan. Minor losses will be managed by the stormwater ponds under the ERP permit.*

- f. **§1.3 Contingency Plan.** Please verify the primary emergency coordinator/responsible individual listed and revise this section accordingly.

*Response to Comment 8f. – Rita Peckenschneider, Solid Waste Operator (352) 521-0500 is the primary emergency coordinator.*

*This is covered in plan*

- g. **§1.1.3 Operational Interruptions.** Please clarify the reference to a tipping floor in this section. Please specify how liquid will be collected and stored as leachate from the floor of the CDO.

*Response to Comment 8g. – Tipping floor was a typographical error. See response to comment 8e. for liquid collected and stored as leachate from the floor of the CDO.*

- h. **§1.7 Facility Closure.** The drawings submitted do not show a leachate collection system proposed CDO. Please clarify the references to drains , and leachate and sludge volumes in this section. Alternatively, provide revised drawings as appropriate.

*Response to Comment 8h – See response to comment 8e.*

Regards,  
R.J. Bruner, II  
P.E. 35951  
CH2M HILL  
352.384.7023  
3011 SW Williston Road  
Gainesville, FL 32608

12/20/10

---

*Pasco County*

**Replacement/Revised/New Pages for the Application for a  
Permit to Construct, Operate, Modify or Close a Solid Waste  
Management Facility**

**Solid Waste System Upgrade at West Pasco Solid Waste  
Management Facility**

Prepared for

**Pasco County Public Works Utilities**

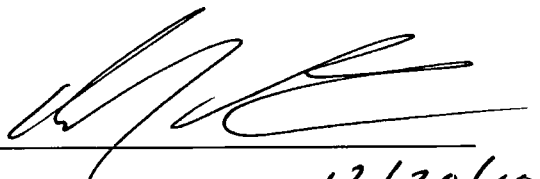
by:



**CH2MHILL**

3011 SW Williston Road  
Gainesville, Florida 32608

Certification of Authorization Number: EB0000072

  
R.J. Bruner III, P. E. 12/20/10  
FL P.E. No. 35951

Date: ~~October 2010~~ December 2010

---



3011 S.W. Williston Road  
Gainesville, Florida 32608-3964  
Tel (352) 335-7991

January 31, 2011

Nancy Gaskin  
Solid Waste Section  
FDEP South West District  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637

Dept. Of Environmental Protection  
FEB 07 2011  
Southwest District

Subject: West Pasco County Class III Landfill, Pasco County  
Pending Permit Modification No.: 26254-002/IM to  
Existing Permit No.: 26445-001-SO/T3  
WACS Id No.: 45920

Dear Ms. Gaskin:

This letter is a response to the department's third request for information dated January 20, 2011 regarding the above mentioned subject matter. Items that have been revised are the only items that are included in this package.

General:

1. The requested information and comments below do not 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.

*Response to Comment 1. - Acknowledged.*

2. Please Submit **4 copies** of all requested information. Please specify if the 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 underlined (underlined) or a similar notation method may be used. This format will expedite the review process. Please include the revision date on all revised pages.

*Response to Comment 2. - Acknowledged.*

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, ect.

*Response to Comment 3. – Acknowledged.*

Documents to be replaced:

*Table of Contents - Page 2 Attachments*

*Section 2, Additional Information (62-701,FAC)*

*Attachment F - Citizen Drop Off Operations Plan*

*Attachment I - Citizen Drop Off Layout*

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.**

*Response to Comment 3. – Acknowledged.*

**Solid Waste Class III Landfill Application for Intermediate Modification**

3. Section 1 Permit Application

c. **Section B, Additional Information, Replacement page 2-2 (Dec 210).** This section states that it refers to the CDO and seems to indicate that engines will be accepted at the CDO while no management procedures are provided in the CDO Operations Plan. Please clarify whether these materials are accepted at the CDO and revise this section accordingly (see comment #8.b below).

*Response to Comment 3.c. – Engines will not be accepted in the CDO. Please see the revised Section 2 Additional Information (62-701, FAC) and Attachment F, CDO Operations Plan.*

4. Plans and Drawings, Rules 62-701.320(7) (f), and 62-701.710(2) (b), F.A.C. Please provide the following additional information and revisions to the plans.

**As previously requested, please provide full sized 22 by 34 inch drawings showing all revisions to replace drawings initially submitted as part of the application package. These revised drawings should include all final revisions made during the review process for each drawing.**

*Response to Comment 4. – Acknowledged.*

6. Cover Page Format, Rule 62-701.320(7) (d), F.A.C. As previously requested, please provide a revised cover page for the application that is signed and sealed by the project engineer.

*Response to Comment 6- Four (4) signed and sealed cover pages are included in this submittal.*

8. Citizens Drop Off Operations Plan

- a. **As previously requested**, please clarify all references to a "transfer station" in this operations plan, and a. *As previously requested*, please clarify all references to a "transfer station" in this operations plan, and revise all appropriate sections accordingly. This includes, **for example, references to features which are not shown in the current design of this facility, including leachate collection system components and exhaust fans.**

*Response to Comment 8a. – These items have been revised and updated. Please see Attachment F, Operations Plan.*

- b. **§1.1 Facility Description.** This section indicates that yard trash and engines may be accepted at the CDO. Please provide specific procedures for management of these materials (see comment #3 .c. above). Please provide a table listing the maximum quantity and storage times for each waste and recyclable materials to be accepted at the CDO. Please include this table in the Operations plan.

*Response to Comment 8b. – Engines will not be accepted in the CDO. Please see the updated and revised Attachment F, CDO Operations Plan.*

- e. **§1.1.2 MSW.** As previously requested, please provide information regarding leak prevention and containment for any leachate that may be generated and leak from the compactors. Unless information is provided that demonstrates that the leachate will not violate Department water quality standards and criteria, containment procedures should not include leachate running off to stormwater as indicated in this response. Please revise this section as appropriate.

*Response to Comment 8e. – There are ten MSW containers proposed for the CDO. The containers are covered by a canopy, which minimizes the intrusion of rain water. The CDO attendant observes the containers for spills and leakage, and any noticeable spills or leakage is cleaned up with absorbent material in accordance with Paragraph 1.3.2.1 of the Operations Plan.*

- f. **§1.3 Contingency Plan.** The response to this item lists Rita Peckenschneider as the primary emergency coordinator, while her name appears struckthrough twice in the

revised Operations Plan. Please specify the primary emergency coordinator, and revise this section accordingly.


*Response to Comment 8f. – The primary emergency coordinator for West Pasco is Ron Walker, Solid Waste Superintendent (727) 856-0119.*

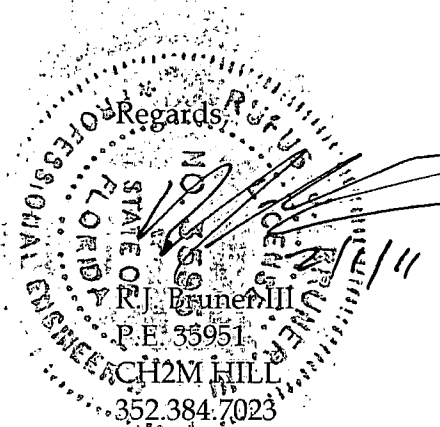
**h. §1.7 Facility Closure.** The drawings submitted do not appear to show a leachate collection system in the proposed CDO. As previously requested, please clarify the references to drains, and leachate and sludge volumes in this section. Alternatively, provide revised drawings as appropriate.

*Response to Comment 8h. – This section has been revised and updated. See Attachment F, Operations Plan.*

**i. §1.1.4 Waste Tires/Waste Oil (December 2010).** Please clarify whether waste oil will be accepted, §1.1 indicates that it will not be. If waste oil will be accepted please provide specific procedures for management of this material (see comment #8.b. above). If waste tires will be accepted but not stored in a roll off, please provide specific management and storage procedures for these tires. Please revise this section accordingly.

*Response to Comment 8i. – Waste tires and oil will not be accepted at the CDO. Any tires and waste oil discovered in a load will be directed by the attendant for the citizen to drive over to the waste tire and oil storage to unload these items properly.*

Regards,  
  
R.J. Bruner III  
P.E. 35951  
CH2M HILL  
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Gainesville, FL 32608



## Solid Waste System Upgrade

### Application for a Permit to Construct, Operate, Or Modify a Waste Processing Facility

*West Pasco County Class III Landfill*

*Existing Permit No: 26445-001-SO/T3*

*WACS ID: 45920*

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 07 2011  
SOUTHWEST DISTRICT  
TAMPA

Prepared for  
**Pasco County**

By:





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*Pasco County*

**Replacement/Revised/New Pages for the Application for a  
Permit to Construct, Operate, Modify or Close a Solid Waste  
Management Facility**

**Solid Waste System Upgrade at West Pasco Solid Waste  
Management Facility**

Prepared for .

**Pasco County Public Works Utilities**

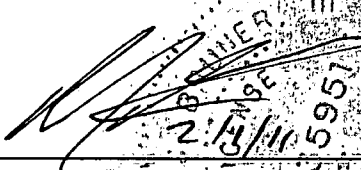
by:



**CH2MHILL**

3011 SW Williston Road  
Gainesville, Florida 32608

Certification of Authorization Number: EB0000072

  
\_\_\_\_\_  
R.J. Bruner III, P. E.  
FL P.E. No. 35951

Date: ~~October 2010~~ ~~December 2010~~ January 2011

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