



# Florida Department of Environmental Protection

Northwest District  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502-5740

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

## NOTICE OF PERMIT MODIFICATION

January 29, 2013

In the matter of an  
Application for Permit by:

DEP File No. 9560-012-SO  
Leon County

Sent via e-mail to:

[thomasno@leoncountyfl.gov](mailto:thomasno@leoncountyfl.gov)

Mr. Norm Thomas, Solid Waste Director  
Leon County Board of County Commissioners  
7550 Apalachee Parkway  
Tallahassee, Florida 32311

Dear Mr. Thomas:

Enclosed is a permit modification for the Leon County Solid Waste Management Facility Class I Landfill (DEP File Number 9560-008-SO), closure of a Class III Landfill (DEP File Number 9560-009-SF), and operation of a Landfill Gas Recovery Facility (DEP File Number 9560-010-SO); Facility Identification No. 6660 known as Leon County Solid Waste Management Facility located at 7550 Apalachee Parkway, Tallahassee, Leon County, Florida 32311. This permit modification consists of revisions to the water quality monitoring plan.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall 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 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 the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

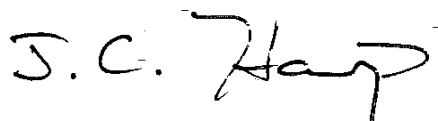
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time, this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



J. Charles Harp  
Program Administrator  
Waste Management/Air Resources

Mr. Norm Thomas  
Leon County Solid Waste Management Facility  
January 29, 2013  
Page 3 of 3

Northwest District  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502-5740  
(850) 595-8300

FILED, on this date, pursuant to §120.52(9), Florida Statutes, with the designated Department clerk, receipt of which is hereby acknowledged.



January 29, 2013

Clerk

Date

Copies furnished to:

Lee Martin, P.E., Solid Waste Management, [lee.martin@dep.state.fl.us](mailto:lee.martin@dep.state.fl.us)

Susan Eldredge, Solid Waste Financial Assurance, [Solid.Waste.Financial.Coordinator@dep.state.fl.us](mailto:Solid.Waste.Financial.Coordinator@dep.state.fl.us)

Shawn Abbott, Leon County, [abbotts@leoncountyfl.gov](mailto:abbotts@leoncountyfl.gov)

John Catches, P.G., HDR Engineering, Inc., [john.catches@hdrinc.com](mailto:john.catches@hdrinc.com)

You can view this and other documents for this facility at the following internet link:

[http://appprod.dep.state.fl.us/WWW\\_WACS/REPORTS/SW\\_Facility\\_Docs.asp?wacsid=6660](http://appprod.dep.state.fl.us/WWW_WACS/REPORTS/SW_Facility_Docs.asp?wacsid=6660)



# Florida Department of Environmental Protection

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## 1.0 Permitted Facility Information

Applicant/Permittee:	Leon County Board of County Commissioners
Facility Identification Number:	6660
Date of Issue:	September 17, 2009
1 <sup>st</sup> Modification Date:	October 11, 2012
2 <sup>nd</sup> Modification Date:	January 29, 2013
Expiration Date:	September 17, 2014
County (No.):	Leon (37)
Latitude / Longitude:	30° 25' 17.51"N / 84°08' 38.42"W
Section-Township-Range:	4 & 5-1S-2E
Project/Facility Name:	Leon County Solid Waste Management Facility

## 1.1 Type of Permitted Facility

Type Solid Waste Management Facility	DEP File No.
Class I Landfill	9560-008-SO
Class III Landfill Closure	9560-009-SF
Other Resource Recovery Facility-Landfill Gas Recovery Facility	9560-010-SO

Other Department Permits at this Facility	DEP File No.
Air Construction Permit	0730099-006-AC

## 1.2 Permitted Facility Description

Issuance of this permit is under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapter 62-701, Florida Administrative Code (F.A.C.). The above named applicant is hereby authorized to perform the work or operate the facility as submitted and shown in the application, drawing(s), plans, and other documents attached hereto and made a part hereof and specifically described as follows:

- Operate a Class I Landfill disposing in a 52.1-acre total disposal area (Phase IIB, IIC, and IID).
- Close the Class III Landfill 18.2-acre total disposal area (West Class III cell and South Class III cell).
- Provide maintenance for 72.9 acres of closed Class I Landfill (Phase I and IIA), and 19.2 acres of closed Class III Landfill (North Class III cell and East Class III cell).
- Operate a Landfill Gas Recovery Facility.

The facility is located at 7550 Apalachee Parkway, Tallahassee, Leon County, Florida 32311.

The facility encompasses approximately 162 acres of permitted landfill space, including 125 acres of Class I disposal (of which 72.9 acres are closed) and 38 acres of inactive Class III disposal areas. The facility also includes two-closed Class I landfill cells. In addition to disposal cells, the facility hosts a waste tire collection center, household hazardous waste collection center, mulching operation, asbestos disposal site, and recyclable drop off center.

The facility has been permitted to dispose of waste since August 1977.

The total area of the facility is 607 acres.

## 1.3 Construction and Operation

- A. Operation and construction of the solid waste management facilities shall be in accordance with application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, subsequent additional information, applicable regulations in Chapter 62-701, F.A.C., and conditions of this permit.
1. The October 11, 2012 permit modification removes leachate monitoring from the water quality monitoring requirements.
  2. The January 29, 2013 modification consists of revisions to the water quality monitoring plan.

## 2.0 General Conditions

General Conditions are in Attachment 1.

### 3.0 Specific Conditions:

#### 3.1 General

The Department may modify these conditions or impose new conditions, as it deems necessary to assure compliance with the provisions of Chapter 403, F.S., Chapter 62-701, F.A.C., and other applicable regulations.

[Rule 62-4.070(1), F.A.C.]

#### 3.2 Construction

The Department shall be notified and prior approval shall be obtained of any changes or revisions proposed during operation or construction under this permit.

[Rule 62-4.070(1), F.A.C.]

- A. Construction of all disposal units and modifications to existing disposal units shall be in accordance with the methods and plans as approved by the Department.
- B. Solid waste disposal units, which have been filled to design dimensions, shall receive final cover within 180 days after attaining final elevation or in accordance with the closure plan for the landfill.

[Rule 62-701.500(7)(g), F.A.C.]

#### 3.3 Operations

- A. This facility shall be operated in accordance with the Operation Plan submitted with the permit application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, and subsequent additional information. The Operation Plan shall be kept at or near the facility and shall be accessible to facility operators. The Operation Plan shall be substantially complied with at all times, and shall be revised if operational procedures change.

[Rule 62-701.500(2), F.A.C.]

- B. To prevent unauthorized waste disposal, access to, and use of, the facility shall be controlled by fencing, gates, or other barriers, as well as signs and facility personnel. Public access and receipt of wastes shall occur only when an attendant is on duty.

[Rule 62-701.500(5), F.A.C.]

- C. Stormwater shall be controlled and maintained during operation under this permit in accordance with Rule 62-701.400(9), F.A.C., permit application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, and subsequent additional information and meet the requirements of Rule 62-701.400(9), F.A.C.

[Rule 62-701.500(10), F.A.C.]

- D. No person shall store or dispose of solid waste in any natural or artificial body of water, including ground water and wetlands within the jurisdiction of the Department. This prohibition does not apply to areas of standing water that exist only after storm events,

provided that the storage or disposal does not result in objectionable odors or sanitary nuisances.

[Rule 62-701.300(2)(d), F.A.C.]

- E. Fuels, solvents, lubricants, and other maintenance materials shall be stored in secure areas separate from the disposal or sorting areas.
- F. The owner or operator of a landfill shall not employ a person to perform, nor may any person perform the duties of an operator or spotter at such facility unless that person is a trained operator or trained spotter. A facility may employ interim spotters, but only if they work under the direct supervision of a trained spotter or trained operator. A facility may employ an interim operator in lieu of a trained operator for no more than three consecutive months. The training plans submitted as part of the application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, and subsequent additional information shall be adhered to and comply with the requirements of Rule 62-701.320(15), F.A.C.
  - 1. Owners and operators of facilities shall ensure that operators employed at the facility are properly trained to operate the facility, and that spotters are properly trained to identify and properly manage any unauthorized waste which is received at the facility. The training plan, along with records documenting how the training plan is being implemented, shall be kept at the facility at all times and be made available for inspection by Department staff.
    - a. In order to be considered trained, operators of:
      - (1) Landfills shall complete 24 hours of initial training, and shall pass an examination as part of that training. Within three years after passing the examination, and every three years thereafter, operators shall complete an additional 16 hours of continued training.
    - b. In order to be considered trained, spotters shall:
      - (1) Complete 8 hours of initial training at courses described in the facility's operating plan. Within three years after attending the initial training, and every three years thereafter, spotters shall complete an additional 4 hours of continued training.
  - 2. The training plan, along with records documenting how the training plan is being implemented, shall be kept at the facility at all times and be made available for inspection by Department staff.

[Rule 62-701.320(15), F.A.C.; Rule 62-701.500(3), F.A.C.]

- G. The facility shall have:
  - 1. Sufficient equipment to ensure proper operation and for excavating, spreading, compacting, and covering waste;
  - 2. Sufficient reserve equipment or arrangement to obtain additional equipment within 24 hours of equipment breakdown;

3. Communications equipment for emergency and routine communications;
4. Dust control methods;
5. Fire protection and fire-fighting capabilities adequate to control accidental burning of solid waste including procedures for notification of local fire protection agencies for assistance in emergencies;
6. Litter control devices, portable fences, or other suitable devices; and
7. Signs indicating the name of the operating authority, traffic flow, hours of operations and restrictions or conditions of disposal.

[Rule 62-701.500(11), F.A.C.]

H. Monitoring of waste.

1. The owner or operator shall implement a load-checking program to detect and discourage attempts to dispose of unauthorized wastes at the landfill. The load-checking program shall consist of the following minimum requirements:
  - a. The landfill operator shall examine at least three random loads of solid waste delivered to the landfill each week. The waste collection vehicle drivers selected by the inspector shall be directed to discharge their loads at a designated location within the landfill. A detailed inspection of the discharged material shall be made for any unauthorized wastes. If the landfill owner or operator also owns or operates a transfer station, this inspection may be carried out at that transfer station before delivery of the waste to the landfill.
  - b. If unauthorized wastes are found, the facility shall contact the generator, hauler, or other party responsible for shipping the waste to the landfill to determine the identity of the waste sources.
2. Handling hazardous wastes.
  - a. If any regulated hazardous wastes are identified by random load checking, or are otherwise discovered to be improperly deposited at the landfill, the landfill operator shall promptly notify the Department, the person responsible for shipping the wastes to the landfill, and the generator of the wastes, if known. The area where the wastes are deposited shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the landfill operator shall assure the cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility.
  - b. Subsequent shipments from sources found or suspected to be previously responsible for shipping regulated hazardous waste shall be subject to precautionary measures prior to the solid waste management facility accepting wastes.
3. Information and observations resulting from each random inspection shall be recorded in writing and retained at the landfill for at least three years. The written record shall be signed by the inspector. The recorded information shall include, at a minimum:
  - a. The date and time of the inspection;
  - b. The names of the hauling firm and the driver of the vehicle;



- c. The vehicle license plate number;
  - d. The source of the waste, as stated by the driver; and
  - e. Observations made by the inspector during the detailed inspection.
4. The owner or operator shall make arrangements or shall have equipment for temporary storage, handling, and transport to an authorized disposal or recycling facility for unauthorized waste, which is inadvertently accepted by the facility. Unless an alternate schedule is included in an operation plan submitted with the permit application, which provides for the control of odors and vectors, putrescible waste shall not be stored for longer than 48 hours and non-putrescible waste shall not be stored for longer than 30 days.

[Rule 62-701.500(6), F.A.C.]

I. Solid Waste Disposal:

- 1. In no event shall any solid waste or other materials be disposed of on the site other than in areas specifically designated in permit application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, and subsequent additional information.
- 2. The disposal of the following Special Wastes is not allowed:
  - a. Used Oil;
  - b. Lead Acid Batteries;
  - c. Whole Waste Tires; and
  - d. White Goods

[Rule 62-701.300(8), F.A.C.]

- 3. Asbestos-containing waste materials may be accepted at a Class I and Class III landfill. Each designated active disposal area that receives asbestos-containing waste material from a source covered under the National Emission Standards for Asbestos, [40 CFR Part 61, Subpart M](#), shall meet the requirements of [40 CFR Part 61.154](#).
  - a. The waste generator shall make arrangements with the landfill operator before disposal of such regulated asbestos-containing waste materials, and inform the operator of the quantity of the waste and the scheduled date the shipment will arrive at the landfill.
  - b. The landfill operator shall direct the waste transporter to the designated disposal location.
  - c. There must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited.
  - d. Unless a natural barrier adequately deters access by the general public, each designated disposal area shall:
    - (1) Have fencing to deter general public access;

- (2) Have signs identifying the following, with letter sizes and styles of a visibility at least equal to those specified in the table below. The spacing between any two lines must be at least equal to the height of the upper of the two lines; and

Legend	Notation
Asbestos Waste Disposal Site	2.5 cm (1 inch) Sans Serif, Gothic, or Block.
Do Not Create Dust	1.9 cm (3/4 inch) Sans Serif, Gothic, or Block.
Breathing Asbestos is Hazardous to Your Health.	14 Point Gothic.

- (3) Be covered with six inches of initial cover as defined in Rule 62-701.200(53), F.A.C., at the end of each day or every 24 hours of continuous operation.

- e. As a minimum, record and maintain the following:
- (1) The name, mailing address, phone number, and e-mail address of the generator and transporter;
  - (2) Date and quantity of disposed Asbestos-containing waste materials; and
  - (3) Map or diagram indicating the location (Latitude and Longitude) and depth of disposed Asbestos-containing waste materials.

[Rule 62-701.520(3), F.A.C.]

4. Hazardous waste as defined in Rule 62-701.200(47), F.A.C., shall not be accepted or disposed at the facility.

[Rule 62-701.300(4), F.A.C.]

J. Waste Handling:

1. Solid waste at all Class III sites shall be spread in layers and compacted once every week using suitable heavy equipment. Bulky materials, which are not easily compacted, should be worked into other materials as much as practical.
2. Solid waste shall be formed into cells to construct horizontal lifts. 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.
3. The working face shall be only wide enough to accommodate vehicles discharging waste, and to minimize the exposed area and unnecessary use of cover material.
4. Initial cover shall be applied and maintained to minimize any adverse environmental, safety, or health effects. The initial cover depth is six inches. The minimum frequency for applying initial cover is at the end of each workweek.
5. An intermediate cover in addition to the six-inch initial cover shall be applied and maintained within seven days of cell completion if additional solid waste will not be

deposited within 180 days of cell completion. The landfill operator may remove all or part of the intermediate cover before placing additional waste or installing final cover.

6. Solid waste disposal units, which have been filled to design dimensions, shall receive final cover within 180 days after attaining final elevation.
7. 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 within 24 hours.
8. Uncontrolled and unauthorized scavenging shall not be permitted at any landfill site. Controlled salvaging for recycling in accordance with the Operation Plan submitted with the permit application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, and subsequent additional information may be permitted.
9. Erosion control measures shall be employed to correct any erosion which exposes waste or causes malfunction of the storm water management system. Such measures shall be implemented within three days of occurrence. If the erosion cannot be corrected within seven days of occurrence, the landfill operator shall notify the Department and propose a correction schedule.

[Rule 62-701.500(7), F.A.C.]

#### K. Waste Records

##### 1. Landfill Facility

- a. The facility operator shall weigh all solid waste as it is received. Landfill operators shall record, in tons per day, the amount of solid waste received and shall estimate the amount of wastes listed in Rule 62-701.500(4)(b), F.A.C.
- b. Types of waste received:
  - (1) Class I Waste
  - (2) Class III Waste
  - (3) Ash Residue
  - (4) Other Wastes
- c. Waste reports shall be compiled monthly, and copies shall be provided to the Department annually, under separate cover, on or before February 1 of each year.

Send all submittals in response to this specific condition to:

Florida Department of Environmental Protection  
Northwest District Office  
Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

And to:

Florida Department of Environmental Protection  
Bob Martinez Center  
Solid Waste Section  
2600 Blair Stone Road, MS 4565  
Tallahassee, Florida, 32399-2400

[Rule 62-701.500(4), F.A.C.]

L. Landfill Leachate Management

1. The landfill operator is responsible for the operation of the leachate collection and removal system and for maintaining the system as designed for the design period. Leachate shall be collected and treated as necessary so that water quality standards and criteria are not violated.
2. Leachate may be discharged to an off-site treatment plant. The landfill operator is responsible for having a written contract or agreement with the off-site treatment plant to discharge leachate to the plant.
3. On-site leachate treatment or pretreatment systems are part of the leachate collection and removal system and shall be designed according to the expected characteristics of the leachate.
4. Quantities of leachate collected by the leachate collection and removal system shall be recorded in gallons per day before on-site treatment or transport off-site, and shall be included with the operating record.
5. A recording rain gauge shall be installed, operated, and maintained to record precipitation at the landfill. Precipitation records shall be included with the operating record.
6. New leachate collection systems shall be water pressure cleaned or inspected by video recording after construction but prior to initial placement of wastes. Existing leachate collection systems shall be water pressure cleaned or inspected by video recording at the time of permit renewal. Results of the collection system cleanings or inspections shall be available to the Department upon request.

[Rule 62-701.500(8), F.A.C.]

M. Emergency preparedness and response.

1. Every permitted solid waste management facility shall have, as part of its operation plan, a contingency plan appropriate for the type of facility to cover operational interruptions and emergencies such as fires, explosions, or natural disasters. The contingency plan shall be kept at the facility at all times and shall be accessible to facility operators. The contingency plan shall include:
  - a. Designation of persons responsible for implementation of the contingency plan;

- b. Procedures for notification of appropriate emergency response persons, including the department, the local government, and local fire protection agencies;
  - c. A description of emergency procedures to be followed, including the location of fire-fighting equipment and explanations of how to use this equipment;
  - d. Provisions for the immediate shutting down of those parts of the facility affected by the emergency and notification to customers of the closure of the facility;
  - e. Procedures for notification of neighbors and local government officials of the potential impacts of the emergency, and provisions to minimize those impacts.
2. Every solid waste disposal facility shall have:
- a. Sufficient equipment to implement the contingency plan, including equipment for excavating, spreading, compacting, and covering waste;
  - b. Sufficient reserve equipment or arrangement to obtain additional equipment within 24 hours of equipment breakdown;
  - c. Communications equipment for emergency and routine communications; and
  - d. Fire protection and fire-fighting capabilities adequate to control accidental burning of solid waste in the facility. Fire protection includes procedures for notification of local fire protection agencies for assistance in emergencies.
3. In the case of a fire within the waste pile at a solid waste management facility, all reasonable efforts shall be made to immediately extinguish or control the fire. If the fire cannot be extinguished or controlled within an hour, the owner or operator shall immediately:
- a. Implement the contingency plan which is included as part of its operation plan;
  - b. Cease accepting waste for disposal in those areas of the facility impacted by the fire; and
  - c. Notify the department and the local government having jurisdiction over the facility of the fire and of the fire control plan being implemented by the owner or operator.
4. If the fire cannot be extinguished or controlled within 48 hours, the owner or operator shall notify the local fire protection agency and seek its assistance, and shall also notify the local government and any neighbors likely to be affected by the fire.

[Rule 62-701.320(16), F.A.C.]

#### N. Yard Trash and Compost Processing Facility

- 1. Compost as defined by Rule 62-709.201(6), F.A.C. and Yard Trash as defined by Rule 62-709.201(25), F.A.C. shall be managed in accordance with Rule 62-709.320, F.A.C., Rule 62-709.330, F.A.C. and Rule 62-709.350, F.A.C.
- 2. Design and operating requirements.
  - a. The facility shall have the operational features and equipment necessary to maintain a clean and orderly operation and shall include:
    - (1) An effective barrier to prevent unauthorized entry and dumping into the facility site;
    - (2) Dust and litter control methods; and

- (3) Fire protection and control provisions to deal with accidental burning of solid waste, including:
    - (a) There shall be an all-weather access road, at least 20 feet wide, all around the perimeter of the site;
    - (b) None of the processed or unprocessed material shall be mechanically compacted; and
    - (c) None of the processed or unprocessed material shall be more than 50 feet from access by motorized firefighting equipment.
  - b. The facility shall be operated in a manner to control vectors.
  - c. The facility shall be operated in a manner to control objectionable odors in accordance with [Rule 62-296.320\(2\), F.A.C.](#)
  - d. Any drains and leachate or condensate conveyances that have been installed shall be kept clean so that flow is not impeded.
  - e. Solid waste received at a registered facility must be processed timely as follows:
    - (1) Any yard trash received at the facility shall be size-reduced or removed within 6 months, or within the period required to receive 3,000 tons or 12,000 cubic yards, whichever is greater. However, logs with a diameter of 6 inches or greater may be stored for up to 12 months before they are size-reduced or removed, provided the logs are separated and stored apart from other materials on site.
    - (2) Any putrescible waste such as vegetative wastes, animal byproducts, or manure received at a facility shall be processed and incorporated into the composting material, or removed from the facility, within 48 hours of receipt.
  - f. If any of the following materials are discovered, they shall be immediately containerized and removed from the facility: treated or untreated biomedical waste; hazardous waste; or any materials containing a polychlorinated biphenyl (PCB) concentration of 50 parts per million or greater.
  - g. If the Yard Trash or Compost Processing Facility ceases operation, all residuals, solid waste, and recyclable materials shall be removed from the site and recycled, or disposed of pursuant to the requirements of Chapter 62-701, F.A.C. Any remaining processed material shall be used in accordance with the requirements of this rule or disposed of pursuant to the requirements of Chapter 62-701, F.A.C.
3. Record Keeping and Annual Report
- a. Monthly records of incoming and outgoing material shall be kept on site for at least three years. The values may be in cubic yards or tonnage, but the same unit of measurement shall be used to record both incoming and outgoing material. An annual report, based on the preceding calendar year, shall summarize the monthly records and shall be submitted by July 1 to the Department using [DEP Form 62-709.901\(2\)](#), Annual Report for Solid Waste Management Facility Producing Compost Made from Solid Waste (Attachment 8).

- b. If temperature monitoring will be used to demonstrate that disinfection has been achieved or that vector attraction has been achieved, then these records shall be kept for at least three years. These records shall be made available upon request.
- c. The annual report shall be submitted to:

Department of Environmental Protection  
Bob Martinez Center  
Solid Waste Section, MS 4565  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

And to:

Florida Department of Environmental Protection  
Northwest District Office  
Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

- O. The owner or operator of an unlined Class III Landfill shall design and implement a CCA treated wood management plan. The plan shall be designed to minimize the amount of CCA treated wood that is delivered to the facility, and must describe procedures the operator will use to make a reasonable effort to separate any CCA treated wood from other wastes at the facility. CCA treated wood that is separated from other wastes at the facility shall not be disposed of at an unlined solid waste disposal facility. [[Guidance for the Management and Disposal of CCA Treated Wood](#)]  
[Rule 62-701.730(20), F.A.C.]
- P. Waste Tire Collection Center Requirements  
[Rule 62-711.540, F.A.C. and Rule 62-711.550, F.A.C.]
  - 1. The owner or operator of a waste tire collection center shall meet the following requirements:
    - a. Store no more than 1,500 waste tires at the collection center at any one time;
    - b. At least once a year, remove all waste tires which are not used tires from the site for recycling, processing, or disposal; and
    - c. Comply with the storage requirements in Rule 62-711.540, F.A.C.
  - 2. All waste tire collection centers which store waste tires shall comply with the following technical and operational standards:
    - a. If the site receives waste tires from the public, a sign shall be posted at the entrance of the site stating operating hours, cost of disposal and site rules.
    - b. No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile.
    - c. An attendant shall be present when the site is open for business if the site receives waste tires from the public.

- d. Fire protection services for the site shall be assured through notification to local fire protection authorities. A fire safety survey shall be conducted at least annually and the survey report shall be made part of the next quarterly report.
  - e. The operator of the site shall prepare and keep at the site an emergency preparedness manual. A copy of the current manual shall be kept at an off-site location designated by the operator. The manual shall be updated at least once a year and upon changes in operations at the site. The manual shall contain the following elements:
    - (1) A list of names and numbers of persons to be contacted in the event of a fire, flood, or other emergency;
    - (2) A list of the emergency response equipment at the site, its location, and how it should be used in the event of a fire or other emergency; and
    - (3) A description of the procedures that should be followed in the event of a fire, including procedures to contain and dispose of the oily material generated by the combustion of large numbers of waste tires.
  - f. The operator of the site shall immediately notify the Department in the event of a fire or other emergency which poses an unanticipated threat to the public health or the environment. Within two weeks of any emergency, the operator of the site shall submit to the Department a written report on the emergency. This report shall describe the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions.
  - g. The operator of the site shall maintain records of the quantity of waste tires received at the site, stored at the site, and shipped from the site.
  - h. If the operator of the site is not the owner of the property, the operator shall obtain written authorization to operate the facility from the owner of the property.
  - i. Communication equipment shall be maintained at the waste tire site to assure that the site operator can contact local fire protection authorities in case of a fire.
  - j. The owner or operator shall provide for control of mosquitoes and rodents so as to protect the public health and welfare.
  - k. An approach and access road to the waste tire site shall be kept passable for any motor vehicle at all times.
2. All waste tire collection centers which store waste tires indoors must comply with the following additional technical and operational standards:
- a. Tire piles may not be more than 50 feet in width, except that piles along a wall shall not be more than 25 feet in width.
  - b. The width of main aisles between tire piles shall be not less than eight feet.
  - c. The clearance from the top of storage to sprinkler deflectors or roof structures shall not be less than three feet.
  - d. The clearance in any direction from unit heaters, radiant space heaters, duct furnaces, and flues shall not be less than three feet.
  - e. When waste tires are stored up to 15 feet high, walls between adjacent warehouse areas and between manufacturing and warehouse areas shall have not less than a four-hour fire rating.
  - f. When waste tires are stored over 15 feet high, walls between manufacturing and warehouse areas shall have a fire rating of not less than six hours and steel columns shall have one hour fireproofing. If the top of storage exceeds 20 feet in height, two-



- hour fireproofing shall be provided for the column and its connections with other structural members.
- g. An automatic sprinkler system installed in compliance with "The Standard for Storage of Rubber Tires", NFPA 231D, published by the National Fire Protection Association, Battery March Park, Quincy, Massachusetts, incorporated herein by reference, may be substituted for fire walls and column fireproofing.
  - h. At any time when an attendant is not present, access to the site shall be controlled through the use of doors, fences, gates, natural barriers, or other means.
3. All waste tire collection centers which store waste tires outdoors must comply with the following additional technical and operational standards:
- a. A waste tire site shall not be constructed, maintained, or operated in or within 200 feet of any natural or artificial body of water, including wetlands within the jurisdiction of the Department, except bodies of water contained completely within the property boundaries of the facility which do not ordinarily discharge from the site to surface waters. A person may maintain a waste tire site within the 200-foot setback area upon demonstration to the Department, as part of a permit application or modification, that permanent control methods for residuals will result in compliance with water quality standards in [Chapters 62-302](#), and [62-520, F.A.C.](#) Stormwater control methods shall meet stormwater requirements of [Chapter 62-25, F.A.C.](#), and [Chapter 62-330, F.A.C.](#), as applicable. The site shall be managed in such a way as to divert stormwater or floodwaters around and away from the storage piles.
  - b. An outdoor waste tire pile shall have no greater than the following maximum dimensions:
    - (1) Width: 50 feet;
    - (2) Area: 10,000 square feet; and
    - (3) Height: 15 feet.
  - c. A 50-foot wide fire lane shall be placed around the perimeter of each outdoor waste tire pile. Access to the fire lane for emergency vehicles must be unobstructed at all times.
  - d. Access to the site shall be controlled through the use of fences, gates, natural barriers or other means.
  - e. The site shall be bermed or given other adequate protection if necessary to keep liquid runoff from a potential waste tire fire from entering water bodies.
  - f. The waste tire site shall be kept free of grass, underbrush, and other potentially flammable vegetation at all times.
4. For all waste tire collection centers which store processed waste tires, the temperature of any above-ground piles of compacted, processed tires over ten feet high shall be monitored and may not exceed 300 degrees Fahrenheit. Temperature control measures shall be instituted so that pile temperatures do not exceed 300 degrees Fahrenheit. Temperature monitoring and controls are not required for processed tires disposed of in permitted landfills.
5. Any residuals from waste tire processing must be managed so as to be contained on-site, and must be controlled and disposed of in a permitted solid waste management facility or properly recycled.

6. The Department shall approve exceptions requested by an applicant as part of a waste tire processing facility permit application or modification to the preceding technical and operational standards if:
  - a. No waste tires are stored on that site for more than one month; and
  - b. The Department, after consultation with the local fire authority, is satisfied that the site owner or operator has sufficient fire suppression equipment or materials on site to extinguish any potential waste tire fire within an acceptable length of time.

### 3.4 Alternate Initial Covers

- A. Alternative initial cover materials of an alternative thickness (other than at least six inches of earthen material) may be used upon approval by the Department. To obtain approval, documentation should be submitted demonstrating that the alternative material and thickness control disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment. As a minimum, the alternative initial cover documentation should provide performance criteria indicated in ASTM D 6523-00 “Standard Guide for Evaluation and Selection of Alternative Daily Covers for Sanitary Landfills.”
- B. This facility may utilize chipped clean wood debris as initial cover.
- C. This facility may utilize “Waste Cover” as manufactured by Southwest Environment Services, Inc. and must be applied in accordance with manufacturer’s recommendations for mixing and application as initial cover.

### 3.5 Air Quality

- A. Open burning of solid waste is prohibited except in accordance with [Chapter 62-256, F.A.C.](#) Controlled burning of solid waste is prohibited except in a permitted incinerator, or in a facility in which the burning of solid waste is authorized by a site certification order issued under [Chapter 403, Part II, F.S.](#)  
[Rule 62-701.300(3), F.A.C.]
  1. Open burning in connection with industrial, commercial, institutional, or governmental operations is allowed as provided in [Chapter 62-256, F.A.C.](#) or when:
    - a. Open burning is determined by the Department to be the only available method of disposal and is authorized by an air permit.
    - b. Such open burning does not involve any material prohibited from being burned at [Rule 62-256.300, F.A.C.](#)
- B. The owner or operator of a solid waste management facility shall not allow the unconfined emissions of particulate matter in violation of [Rule 62-296.320\(4\)\(c\), F.A.C.](#)  
[Rule 62-701.300(15), F.A.C.]
  1. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

2. Any permit issued to a facility with emissions of unconfined particulate matter shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined particulate matter.
  3. Reasonable precautions include the following:
    - a. Paving and maintenance of roads, parking areas and yards.
    - b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
    - c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.
    - d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
    - e. Landscaping or planting of vegetation.
    - f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
    - g. Confining abrasive blasting, where possible.
    - h. Enclosure or covering of conveyor systems.
  4. In determining what constitutes reasonable precautions for a particular facility, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.
- C. The facility shall be operated to control objectionable odors in accordance with [Rule 62-296.320\(2\), F.A.C.](#) If objectionable odors are detected off-site, the owner or operator shall comply with the requirements of Rule 62-701.530(3)(b), F.A.C.
1. No person shall cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2), F.A.C.]
    - a. An objectionable odor is any odor present in the outdoor atmosphere, which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.  
[\[Rule 62-210.200\(220\), F.A.C.\]](#)
  2. After being notified by the Department that objectionable odors have been confirmed beyond the landfill property boundary, the owner or operator shall:
    - a. Immediately take steps to reduce the objectionable odors. Such steps may include applying or increasing initial cover, reducing the size of the working face, and ceasing operations in the areas where odors have been detected;
    - b. Submit to the Department for approval an odor remediation plan for the gas releases. The plan shall describe the nature and extent of the problem and the proposed long-term remedy. The remedy shall be initiated within 30 days of approval; and
    - c. Implement a routine odor monitoring program to determine the timing and extent of any off-site odors, and to evaluate the effectiveness of the odor remediation plan.  
[Rule 62-701.530(3)(b), F.A.C.]

### 3.6 Gas Management / Monitoring Program

- A. The facility shall conduct a routine gas-monitoring program to monitor concentrations of combustible gases at ambient monitoring points and in soil monitoring probes.
1. Ambient monitoring points shall be located in on-site structures, excluding gas control or recovery components that can be impacted by combustible gases from the landfill as determined by the location of these structures and property boundaries of the facility.
  2. Soil monitoring probes shall be installed along each property boundary segment of the facility, particularly those adjacent to off-site occupied structures within 100 feet of the property boundary, or where distressed vegetation is present, and shall be spaced as needed to detect gas migration. Soil monitoring probes shall extend to the depth of the base of waste fill or at least three feet below ground surface, whichever is deeper. Sampling shall be conducted in the headspace of the monitoring probe without purging the gas before collecting the sample. Where sand, gravel, or more gas permeable soil strata may interconnect the waste deposit and the property boundary, multiple depth monitoring probes, or a single monitoring probe extending from the soil surface to the water table, are necessary to draw gas samples from the permeable layers.
  3. All ambient monitoring points and soil monitoring probes shall be sampled quarterly for concentrations of combustible gases, and the results reported to the Department. Combustible gases shall be determined as a percent of the lower explosive limit and shall be calibrated to methane.
    - a. The quarterly reports are to be submitted, under separate cover, on or before February 1, May 1, August 1, and November 1 of each year.

Send all submittals in response to this specific condition to:

Florida Department of Environmental Protection  
Northwest District Office Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

4. If the results of monitoring show that combustible gas concentrations exceed the lower explosive limits, you shall:
  - a. Immediately take all necessary steps to ensure protection of human health and notify the Department; and
  - b. Within 7 days of detection, submit to the Department for approval a gas remediation plan for the gas releases. The plan shall describe the nature and extent of the problem and the proposed remedy. The remedy shall be completed within 60 days of detection unless otherwise approved by the Department.

[Rules 62-701.530 (2) & (3), F.A.C.]

### 3.7 Water Quality Monitoring

- A. A facility's zone of discharge shall be determined pursuant to [Chapter 62-520, F.A.C.](#) The zone of discharge shall not exceed 100 feet from the edge of those solid waste disposal units permitted to be constructed, unless modified in accordance with [Rule 62-520.470, F.A.C.](#)

[Rule 62-701.320(18), F.A.C.]

1. The allowable zone of discharge (ZOD) for this permit shall be as follows:
  - a. The horizontal ZOD shall not exceed 100 feet from the edge of the waste disposal units or property line; whichever is closer, as shown in Attachment 2.
  - b. The vertical ZOD shall extend from the land surface down to the top of the low permeability Zone at approximately –34 feet North American Vertical Datum (NAVD).

B. Water Quality Standards and Criteria:

1. Compliance with ground water quality standards shall be met at and beyond the edges of the ZOD in accordance with [Rule 62-520.420, F.A.C.](#), and as contained in [Rule 62-550.310, F.A.C.](#), and [Rule 62-550.320, F.A.C.](#)
2. The minimum ground water criteria specified in [Rule 62-520.400, F.A.C.](#), shall apply only outside the permitted zone of discharge, notwithstanding the provisions of [Rule 62-520.400 and Rule 62-520.420, F.A.C.](#) However, exceedances of ground water criteria within a permitted zone of discharge shall continue to require evaluation monitoring and prevention measures in accordance with Rule 62-701.510(7), F.A.C.  
[Rule 62-701.320(17), F.A.C.]
3. Compliance with surface water quality criteria shall be in accordance with [Rule 62-302.530, F.A.C.](#)
4. Compliance with minimum surface water criteria shall be in accordance with [Rule 62-302.500, F.A.C.](#)

C. New or replacement monitoring wells

1. Obtain well construction permits from the Northwest Florida Water Management District.
2. Construct in accordance with the guidelines provided on Attachment 3.
3. Submit sieve analyses for each well and use for proper well design.
4. Provide with appropriate diameter for reliable and representative water quality results.
5. Each well shall have appropriate screen length.  
[Rule 62-701.510(3)(d)4, F.A.C.]
6. Properly develop new wells after installation and after settling
7. Submit lithologic logs, "as-installed" diagrams, and descriptions of well development after installation of new wells.
8. Submit the latitude and longitude location of each well.

[Rule 62-701.510(3)(d)1, F.A.C.]

9. Constructed monitoring wells shall be lockable and shall be locked at all times. [Rule 62-701.510(3)(d)5, F.A.C.]
- D. The location of each water quality sampling locations, in degrees, minutes and seconds (to two decimal places) of latitude and longitude, and the elevation of the top of the well casing and surface water elevation to the nearest 0.01 foot, using a consistent, nationally recognized datum, shall be determined by a Florida Licensed Professional Surveyor and Mapper. [Rule 62-701.510(3)(d)1, F.A.C.]

The location information shall include the method the data was collected using the following:

Field Name	Also Known As	Description
Object of Interest	Feature	The object the point represents
Relationship of Point to Object of Interest	Proximity	Identifies how close the point is to the actual object of interest.
Collection Method	Method	The method used to collect the point.
Collection Date	Date	The date the point was collected.
Datum		The reference for measuring locations on the earth's surface.

[Rule 62-701.320(7)(f)7., F.A.C.]

Upon completion of each well, [Form 62-701.900\(30\), Monitoring Well Completion Report](#), Attachment 7 shall be submitted to the Department to report details of the well construction and location.

[Rule 62-701.510(3)(d)1, F.A.C. and Rule 62-701.510(4)(c), F.A.C.]

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Florida Department of Environmental Protection  
Northwest District Office  
Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

- E. Existing wells not used in the approved monitoring network for collection of samples or water elevation data shall be properly maintained and locked or shall be properly abandoned in accordance with [Rule 62-532.500\(4\), F.A.C.](#)
- F. Any monitoring wells which are abandoned or which will be covered due to lateral expansions of a landfill or the construction of new solid waste disposal units shall be plugged as necessary so that they do not act as a conduit for any leachate release to the ground water. The Department shall be notified in writing before any monitoring wells are abandoned or plugged. Obtain appropriate well abandonment permits from the Northwest Florida Water Management District.



[Rule 62-701.510(3)(d)6, F.A.C. and [Rule 62-532.500\(4\), F.A.C.](#)]

- G. The water-quality monitoring network shall consist of twenty-one (21) ground water monitoring wells (1-background, 3-detection, 13-compliance, 4-water level). Attachment 2a graphically represents the water quality network. Use the following designations for ground water monitoring identification purposes in all future analysis reports:

Sample Location Name	Designation	Approximate Location		Test Site Number
		Latitude	Longitude	
MW-AA	Compliance	30°25'42"	84°09'02"	28886
MW-AB	Background	30°25'15"	84°08'08"	28887
MW-AC <sup>1</sup>	Compliance	To be provided	To be provided	28991
MW-A	Water Level	30°25'41.446"	84°9'19.026"	9734
MW-C1B	Water Level	30°25'24.64"	84°8'55.75"	9861
MW-D	Water Level	30°25'7.75"	84°8'50.6"	9787
MW-F	Water Level	30°25'26.57"	84°9'5.01"	9789
MW-G	Compliance	30°25'9.2"	84°8'32.48"	9790
MW-H	Compliance	30°25'10.89"	84°8'25.62"	9791
MW-I	Compliance	30°25'18.08"	84°8'50.01"	9826
MW-J	Compliance	30°25'27.9"	84°8'54.97"	9828
MW-K	Compliance	30°25'36.29"	84°8'36.64"	9863
MW-L	Compliance	30°25'21.85"	84°8'55.18"	9829
MW-M	Compliance	30°25'19.69"	84°8'54.48"	9835
MW-QR	Compliance	30°25'12.07"	84°08'13.99"	28113
MW-R	Compliance	30°25'24.1"	84°8'21.71"	9842
MW-TR	Compliance	30°25'16.7"	84°8'28.62"	9887
MW-Y	Compliance	30°25'10.65"	84°9'3.955"	23552
MW-8	Detection	30°25'13.92"	84°8'10.03"	9731
MW-21	Detection	30°25'13"	84°8'11"	23545
MW-36	Detection	30°25'12.63"	84°8'10.73"	24491

<sup>1</sup> Proposed monitoring wells to be installed. Install proposed monitoring wells within sixty (60) days of issuance of permit and submit new monitoring well information in accordance with Specific Condition 3.7.C. Submit proposed new monitoring well coordinates in accordance with Specific Condition 3.7.D.

[Rule 62-522, F.A.C., and permit application received August 26, 2008, permit modification request received September 17, 2012, subsequent additional information, permit modification request received October 11, 2012, permit modification request received December 26, 2012, and subsequent additional information]

- H. Sample all groundwater-monitoring wells semiannually for parameters listed below:

Monitoring Well ID	Field Parameters	Laboratory Parameters	Frequency	Well Type	
<b>Floridian Aquifer</b>					
MW-AB	pH, Temperature, Dissolved Oxygen, Specific Conductivity, ORP, Turbidity and static water level in well before purging.	Ammonia, Boron, Chlorides, Iron, Mercury, Nitrate, Sodium, Strontium, Total Dissolved Solids (TDS), parameters listed in 40 CFR Part 258 Appendix I	Semi-annual*	Background	
MW-AA, MW-AC, MW-QR			Semi-annual*		
MW-G, MW-H, MW-I, MW-J, MW-K, MW-L, MW-M, MW-R, MW-TR, MW-Y			Every Five Years		
MW-Y			Iron	Semi-annual	Compliance
MW-G and MW-I			Iron and TDS		
MW-J			Thallium and TDS		
MW-L			TDS and Vinyl Chloride		
MW-M			Iron, TDS and Vinyl Chloride		
MW-A, MW-C1B, MW-D, MW-F, MW-K, MW-R, MW-TR		Static water level in well	None		Water Level
<b>Perched Surficial Groundwater</b>					
MW-8, MW-21, MW-36	pH, Temperature, Dissolved Oxygen, Specific Conductivity, ORP, Turbidity and static water level in well before purging.	Benzene	Semi-annual	Detection	

Semi-annual\* - Sample semi-annually for five years to build a historical database.

### I. Ground Water Sampling

1. Measure water levels in each monitoring well in a single day.
2. Measure water levels on the sample day and recorded prior to evacuating the wells or collecting samples.
3. At each well site, record water level, top of well casing and land surface elevations at a precision of plus or minus 0.01 feet NAVD for each analysis report.



4. Prior to sampling, stabilize the field parameters for each well.
5. Use sampling and purging methods in the Standard Operating Procedures, as allowed in [Chapter 62-160, F.A.C.](#)

J. Sample all surface water test sites semiannually for the parameters listed below.

Surface water monitoring is not required. Specific Condition 3.7.J is not applicable.

K. Leachate Monitoring

Leachate Monitoring is not required. Specific Condition 3.7.K is not applicable.

L. Water Sample Analysis

1. Conduct analyses of all samples using approved State and Federal analytical methods with detection limits at or below the maximum allowable concentrations for all parameters, whenever possible.
2. Background water quality shall be sampled and analyzed in accordance with the provisions of Rule 62-701.510(5)(b), F.A.C.
3. Sample and analyze all background and detection wells at least once prior to permit renewal for those parameters listed in Rule 62-701.510(7)(a), F.A.C.

M. The owner or operator of a solid waste disposal unit may request a permit modification from the appropriate District Office of the Department to delete specific monitoring parameters or field parameters from routine analyses of detection or compliance wells and surface water. The Department will grant such modification upon a demonstration that these parameters are not reasonably expected to be in or derived from the waste contained in the unit, or are not reasonably expected to be detected in the ground water as a result of the operations of the facility.

[Rule 62-701.510(5), F.A.C.]

N. Measure rainfall at the site on a daily basis. Precipitation records shall be included with the operating record and shall be maintained and used by the permittee to compare with leachate generation rates.

[Rule 62.701.500(8)(g), F.A.C.]

O. Water Quality Reporting

1. Report all representative water quality monitoring results to the Department within 60 days from completion of laboratory analyses. In accordance with Rule 62-160.240(3), F.A.C. and Rule 62-160.340(4), F.A.C., water quality data contained in the report shall be provided to the Department in an electronic format consistent with requirements for importing into Department databases [See Specific Condition 3.7.P]. The owner or operator shall include DEP Form 62-701.900(31), Water Quality Monitoring Certification provided as Attachment 4. The operator of the landfill shall notify the Department at least 14 days before the sampling is scheduled to occur so that the Department may collect split samples.

[Rule 62-701.510(9)(a), F.A.C.]

The results of each set of semiannual water quality analyses shall be submitted separately, no later than First day of April and First day of October each year, commencing with the October 1, 2009 report. The report shall include but not be limited to the following:

- a. The facility name and identification number, sample collection dates, and analysis dates;
  - b. All analytical results, including all peaks even if below maximum contaminant levels;
  - c. Identification number and designation of all surface water and ground water monitoring points;
  - d. Applicable water quality standards;
  - e. Quality assurance, quality control notations;
  - f. Method detection limits;
  - g. Water levels recorded prior to evaluating wells or sample collection. Elevation reference shall include the top of the well casing and land surface at each well site at a precision of plus or minus 0.01 foot (using a consistent, nationally recognized datum);
  - h. An updated ground water table contour map signed and sealed by a professional geologist or professional engineer with experience in hydrogeologic investigations, with contours at no greater than one-foot intervals unless site-specific conditions dictate otherwise, which indicates ground water elevations and flow direction; and
  - i. A summary of any water quality standards or criteria that are exceeded.
2. Submit the Latitude and Longitude location for each monitoring well with the semiannual water quality analysis results.  
[Rule 62-701.510(3)(d)1, F.A.C.]
  3. Provide one complete bound copy and one unlocked electronic copy. The electronic copy should be one electronic file in Adobe Acrobat format.

Send all submittals in response to this specific condition to:

Florida Department of Environmental Protection  
Northwest District Office  
Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

P. Electronic Submission of Water Quality Analyses

1. Submit the results of each set of water quality analyses electronically on compact disc media readable by a Microsoft Windows computer.

Send all submittals in response to this specific condition to:

Florida Department of Environmental Protection  
Northwest District Office Solid Waste Section

160 W. Government Street, Suite 308  
Pensacola, Florida 32502

And to:

Florida Department of Environmental Protection  
Bob Martinez Center  
Solid Waste Section  
2600 Blair Stone Road, MS 4565  
Tallahassee, Florida, 32399-2400

The data shall be evaluated using ADaPT to conduct data quality review and compliance checking. The owner or operator shall include DEP Form 62-701.900(31), Water Quality Monitoring Certification provided as Attachment 4 with each report certifying that the laboratory results have been reviewed and approved by the owner or operator. To download the appropriate version of the ADaPT software for data entry and submittals and for other general information related to the use of ADaPT, go to the DEP's web site at:

<http://www.dep.state.fl.us/waste/categories/shw/pages/ADaPT.htm>

The ADaPT water quality analyses shall be submitted electronically on compact disc media readable by a Microsoft Windows computer. Electronic laboratory data must be submitted in a specific format called an Electronic Data Deliverable (EDD). The submittal shall also include Chain of Custody sheets, field data sheets (Form FD 9000-24 provided as Attachment 5), groundwater contour maps, water elevation table, summary of exceedances, recommendations, and the Groundwater Monitoring Report Certification. The Department will use ADaPT to conduct data quality review and compliance checking.

[Rule 62-160.240(3), F.A.C. and Rule 62-160.340(4), F.A.C.]

2. The following data fields must be present in the data:

Analytical Method	Analytical Result
Analytical Result Units	Appropriate Data Qualifiers (as listed in Chapter 62-160, F.A.C.)
Date of Analysis	Date of Preparation (if applicable)
Date of Sampling	Detection Limit of the Analysis
DOH Certification Number of the Laboratory	Facility Identification Number
Matrix (Aqueous, Drinking Water, Saline/Estuarine, or Solids)	Parameter Name (Name of the Compound Analyzed for/Test Performed)
	Test site ID

3. If documents require a professional certification, submit original signed and sealed paper documents unless a specific law or rule allows an electronic signature.

[Rule 62-701.510(5), F.A.C. and Rules 62-701.510(7) (a), (b) and (c), F.A.C.]

- Q. If at any time it is determined that any well in the routine monitoring system is not functioning properly and is not providing representative water quality samples, the owner or operator shall have the wells evaluated, redeveloped, or replaced such that representative samples will be obtained during the next required routine sampling event.

Any well requiring redevelopment should be surged with formation water or a surge block, only. Consider replacing wells, which still produce sediment and high turbidity. Evaluate wells with high turbidity using the procedures called for in [Rule 62-520.300\(9\), F.A.C.](#)

Design, install, and complete any well requiring replacement in accordance with the suggested practices of document ASTM D5092.

[Rule 62-701.510, F.A.C. and Rule 62-522, F.A.C.]

- R. Evaluation monitoring, prevention measures and corrective action

1. If monitoring parameters are detected in detection wells in concentrations that are significantly above background water quality, or that are at levels above the Department's water quality standards or criteria specified in [Chapter 62-520, F.A.C.](#), the owner or operator may resample the wells within 30 days after the sampling data is received, to confirm the data. Should the owner or operator choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data is confirmed, or if the owner or operator chooses not to resample, the owner or operator shall notify the Department in writing within 14 days of this finding. Upon notification by the Department, the owner or operator shall initiate evaluation monitoring in accordance with Rule 62-701.510(6)(a), F.A.C.
2. If the parameters detected in the detection wells identified in Rule 62-701.510(6)(a), F.A.C. consist only of iron, aluminum, manganese, sulfates, or total dissolved solids (TDS), either individually or in any combination, then only the detected parameters are required to be monitored in the representative background wells, affected detection wells and downgradient compliance wells required in this section rather than the parameters listed in Rule 62-701.510(7)(a), F.A.C., and Rule 62-701.510(7)(c), F.A.C. However, if the facility is unlined, the parameters specified in Rule 62-701.510(7)(a), F.A.C., shall also be analyzed for in the initial sampling event for the affected detection wells and downgradient compliance wells.
3. If any contaminants are detected and confirmed in compliance wells in concentrations that exceed both background levels and Department water quality standards or criteria, the owner or operator shall notify the Department within 14 days of this finding and shall initiate corrective actions. Evaluation monitoring shall continue according to the requirements of Rule 62-701.510(6)(a), F.A.C.  
The owner or operator shall initiate and complete corrective actions in accordance with [Chapter 62-780, F.A.C.](#), within the manner and timeframes specified therein and provide a

site assessment report (SAR) in accordance with [Rule 62-780.600, F.A.C.](#), that meets the objectives of said Rule within the manner and timeframes specified therein.

- S. All water quality monitoring required by this permit shall be in accordance with [Rules 62-520.300, F.A.C.](#), and [Rule 62-4.246, F.A.C.](#), and shall be carried out under the requirements of [DEP-SOP-001/01 FS 2000](#) or applicable Standard Operating Procedures (SOPs) in accordance with [Chapter 62-160, F.A.C.](#)
- T. A technical report and a stabilization report required by Rule 62-701.620(6), F.A.C. and Specific Condition 4.2.C, signed and sealed by a professional geologist or professional engineer with experience in hydrogeologic investigations, shall be submitted to the Department every two and one-half years during the active life of the facility, and every five years during the long-term care period.

The report shall summarize and interpret the water quality monitoring results and water level measurements collected during the past two and one-half years. The report shall contain, at a minimum, the following:

1. Tabular displays of any data which shows that a monitoring parameter has been detected, and graphical displays of any leachate key indicator parameters detected (such as pH, specific conductance, TDS, TOC, sulfate, chloride, sodium and iron), including hydrographes for all monitor wells;
2. Trend analyses of any monitoring parameters consistently detected;
3. Comparisons among shallow, middle, and deep zone wells;
4. Comparisons between background water quality and the water quality in detection and compliance wells;
5. Correlations between related parameters such as total dissolved solids and specific conductance;
6. Discussion of erratic and/or poorly correlated data;
7. An interpretation of the ground water contour maps, including an evaluation of ground water flow rates; and
8. An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.

Submit the technical report separately, commencing with the April 1, 2010 report. Provide one complete bound copy and one unlocked electronic copy. The electronic copy should be one electronic file in Adobe Acrobat format.

Send all submittals in response to this specific condition to:

Florida Department of Environmental Protection  
Northwest District Office

Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

[Rule 62-701.510(8)(b), F.A.C.]

- U. All field and laboratory records specified in [Rule 62-160.600, F.A.C. and Rule 62-160.630, F.A.C.](#), shall be made available to the Department and be retained for the design period of the landfill.

[Rule 62-701.510(8)(c), F.A.C.]

#### 4.0 Closure and Long-term Care

##### 4.1 Closure

- A. The owner or operator shall submit an application to the Department for final closure of the landfill at least 90 days before the date when wastes will no longer be accepted. The application shall be on [DEP Form 62-701.900\(1\)](#). If the landfill is operating under a Department permit, the owner or operator shall request a modification of the permit in lieu of submitting a closure permit application. The application or request for modification shall include a closure plan, which is made up of the following:
1. A closure design plan.  
[Rule 62-701.600(3), F.A.C.]
  2. A closure operation plan.  
[Rule 62-701.600(4), F.A.C.]
  3. A plan for long-term care.  
[Rule 62-701.620, F.A.C.]
  4. A demonstration that proof of financial responsibility for long-term care will be provided.  
[Rule 62-701.630, F.A.C.]
- B. After closure construction has been completed, the engineer of record shall certify to the Department on [DEP Form 62-701.900\(2\)](#) that the closure is complete and that it was done in accordance with the plans submitted to the Department except where minor deviation was necessary. All deviations shall be described in detail and the reasons therefore enumerated. If the certification is for the final closure of a landfill, it shall include a certification that one of the following has been done:
1. For landfills with a final elevation of less than 20 feet above the natural land surface, concrete monuments shall be installed to mark the boundaries of the landfill property and other permanent markers shall be installed to outline the general waste filled areas. These markers shall be tied to one or more of the boundary markers by a survey performed by an engineer or a Florida Licensed Professional Surveyor and Mapper. The location and elevation of all markers shall be shown on a site plan filed with the "Declaration to the Public" described in Rule 62-701.600(7), F.A.C., and Specific Condition 4.1.C.
  2. For landfills with a final elevation of 20 feet or higher above the natural land surface, a final survey shall be performed after closure is complete by an engineer or a Florida Licensed Professional Surveyor and Mapper to verify that final contours and elevations of

the facility are in accordance with the plans as approved in the permit. Aerial mapping techniques which provide equivalent survey accuracy may be substituted for the survey. Contours shall be shown at no greater than five-foot intervals. A copy of the survey shall be included with the certification of closure construction completion.

- C. Once closure construction has been completed, the landfill owner or operator shall file a declaration to the public in the deed records in the office of the county clerk of the county in which the landfill is located. The declaration shall include a legal description of the property on which the landfill is located and a site plan specifying the area actually filled with solid waste. The declaration shall also include a notice that any future owner or user of the site should consult with the Department prior to planning or initiating any activity involving the disturbance of the landfill cover, monitoring system or other control structures. A certified copy of the declaration shall be filed with the Department.

[Rule 62-701.600(7), F.A.C.]

[Rule 62-701.600, F.A.C.]

#### 4.2 Long Term Care

- A. The owner or operator of any landfill shall continue to monitor and maintain the integrity and effectiveness of the final cover as well as other appurtenances of the facility, control erosion, fill subsidences, comply with the ground water monitoring plan, and maintain the stormwater system, in accordance with an approved closure plan for 30 years from the date of closing.
- B. Before the expiration of the long-term care monitoring and maintenance period, the Department may extend the time period if the closure design or closure operation plan is found to be ineffective or if the permittee has not performed all required monitoring and maintenance which includes, but is not be limited to the following:
  - 1. The ground water monitoring system indicates that the landfill continues to impact ground water at concentrations that may be expected to result in violations of Department water quality standards or criteria;
  - 2. The gas monitoring system indicates that the landfill continues to produce gas in amounts that may be expected to exceed the concentrations of combustible gases allowed in Rule 62-701.530(1)(a), F.A.C.;
  - 3. Significant subsidence of waste has not ceased; or
  - 4. The final cover does not have well established vegetation or is showing signs of continuing significant erosion problems.

[Rule 62-701.620, F.A.C.]

- C. Every five years after issuance of a permit for long-term care, the permittee shall submit a report to the Department that addresses stabilization of the landfill. The submittal shall include the technical report required in Rule 62-701.510(9)(b), F.A.C., Specific Condition 3.7.T and shall also address subsidence, barrier layer effectiveness, storm water management, and gas production and management. For lined landfills, the submittal shall also address leachate collection and removal system effectiveness and leachate quantity.

[Rule 62-701.620(6), F.A.C.]

- D. The landfill owner or operator shall possess or acquire a sufficient interest in, or a right to use, the property for which a permit is issued, including the access route onto the property to carry out the requirements of Chapter 62-701, F.A.C. The permittee shall retain the right of entry to the landfill property for the long-term care period, after termination of solid waste operations, for inspection, monitoring, and maintenance of the site.  
[Rule 62-701.620(7), F.A.C.]
- E. Following completion of the long-term care period for each solid waste management unit, the owner or operator shall notify the Department that a certification, signed and sealed by a professional engineer, verifying that long-term care has been completed in accordance with the closure plan has been placed in the operating record.  
[Rule 62-701.620(9), F.A.C.]

## 5.0 Financial Assurance

- 5.1 The permittee shall maintain, in good standing, the financial assurance mechanisms established to demonstrate proof of financial assurance. Support documentation and evidence of inflation adjustment increases shall be submitted within the time frames specified in Rule 62-701.630, F.A.C. All submittals in response to this specific condition shall be sent to:

Florida Department of Environmental Protection  
Financial Coordinator - Solid Waste Section  
2600 Blair Stone Road, MS 4565  
Tallahassee, Florida 32399-2400

## 5.2 Closure and Long Term Care Cost Estimate Adjustments

- A. The permittee shall annually adjust the closure cost estimate(s) for inflation using [DEP Form 62-701.900\(28\) Closure Cost Estimating Form](#) (Attachment 6). Adjustments shall be made in accordance with Rule 62-701.630(4), F.A.C. and, as applicable, [40 CFR Part 264.142\(a\)](#) and [40 CFR Part 264.144\(a\)](#). An owner or operator using a letter of credit, guarantee bond, performance bond, financial test, corporate guarantee, trust fund, or insurance shall submit the adjusted cost estimate(s) between January 1 and March 1. An owner or operator using an escrow account shall submit the adjusted estimate(s) between July 1 and September 1. All submittals in response to this specific condition shall be sent to:

Florida Department of Environmental Protection  
Northwest District Solid Waste Section  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502

With a copy to:

Florida Department of Environmental Protection  
Financial Coordinator - Solid Waste Section  
2600 Blair Stone Road, MS 4565  
Tallahassee, Florida 32399-2400



- B. At the time of permit renewal, or every fifth year when a permit is issued with duration greater than 5 years, the owner or operator shall revise the cost estimate. Revisions shall be made by recalculating the total cost of closure or long-term care, in current dollars, as specified in Rule 62-701.630(3), F.A.C.
  - C. The owner or operator shall revise the closure cost estimate by recalculating the total cost of closure or long-term care, in current dollars, as specified in Rule 62-701.630(3), F.A.C., in the following situations:
    - 1. Prior to any changes to the closing or long-term care plan;
    - 2. Within 30 days of discovery that any of the anticipated costs that formed the basis of the current approved closure cost estimate have changed significantly; or
    - 3. Within 30 days of issuance of an order pursuant to Rule 62-701.730(18), F.A.C., finding that the facility has exceeded any of its permitted dimensions.
  - D. If the value of the alternative funding mechanism is less than the total amount of the current closure cost estimate, the owner or operator shall revise the funding mechanisms to reflect the new estimate within the time frames outlined in [40 CFR Part 264, Subpart H](#).
- 5.3 Closure cost estimates and annual updates thereof shall comply with the provisions of Rule 62-701.630(3), F.A.C., and Rule 62-701.630(4) (a) through (d), F.A.C.
- 5.4 If the owner or operator is required to undertake a corrective action program in accordance with Rule 62-701.510(7), F.A.C., the owner or operator shall submit proof of financial assurance to the Department no later than 120 days after the corrective action remedy has been selected.  
[Rule 62-701.630(2)(d), F.A.C.]
- A. An owner or operator of a landfill required to establish financial assurance for a corrective action program pursuant to Rule 62-701.630(2)(d), F.A.C., and Specific Condition 5.4 shall have a detailed written estimate in current dollars, estimated and certified by a professional engineer, of the cost of hiring a third party to perform the corrective action in accordance with Rule 62-701.510(7), F.A.C. The corrective action cost estimate must account for the total cost of corrective action activities as described in the corrective action plan for the entire corrective action period. The owner or operator shall submit the estimate, together with all necessary justification, to the Department for approval along with proof of financial assurance.
- 5.5 If long-term care is extended because the permittee has failed to perform all required monitoring and maintenance, financial assurance shall continue to be required during the extended long-term care. If the long-term care is extended for any other reason, financial assurance is not required during the extended long-term care period, except as may be required in Rule 62-701.630(7), F.A.C. through Rule 62-701.630(9), F.A.C.  
[Rule 62-701.630(10), F.A.C.]

## 6.0 Administrative

- 6.1 For uninterrupted operation, a permit renewal application must be submitted 60 days prior to the expiration of this permit. Provide four complete bound copies and one unlocked electronic copy. The electronic copy should be one electronic file in Adobe Acrobat format. [Rule 62-4.050(2), F.A.C.]
- 6.2 A copy of the Department approved engineering drawings, plans, reports, operational plan, and supporting information shall be kept on site at all times and be available for Department inspection. [Rule 62-4.070(1), F.A.C.]
- 6.3 Cite the Facility Identification Number and DEP File Number on all reports and correspondence concerning this facility. [Rule 62-4.070(1), F.A.C.]
- 6.4 The Department telephone number for reporting emergencies involving a significant threat to human health or the environment is (850) 413-9911 or 1-800-320-0519, day or night.
- 6.5 This and other documents for this facility may be viewed at the following internet link:

[http://appprod.dep.state.fl.us/WWW\\_WACS/REPORTS/SW\\_Facility\\_Docs.asp?wacsid=6660](http://appprod.dep.state.fl.us/WWW_WACS/REPORTS/SW_Facility_Docs.asp?wacsid=6660)

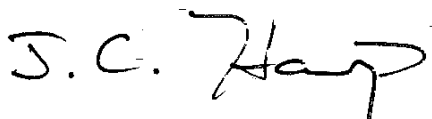
Issued date: September 17, 2009

1<sup>st</sup> Modification date October 11, 2012

Modified this 29<sup>th</sup> day of January 2013.

Expiration date: September 17, 2014

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



---

J. Charles Harp  
Program Administrator  
Waste Management/Air Resources

Northwest District  
160 W. Government Street, Suite 308  
Pensacola, Florida 32502-5740  
(850) 595-8300

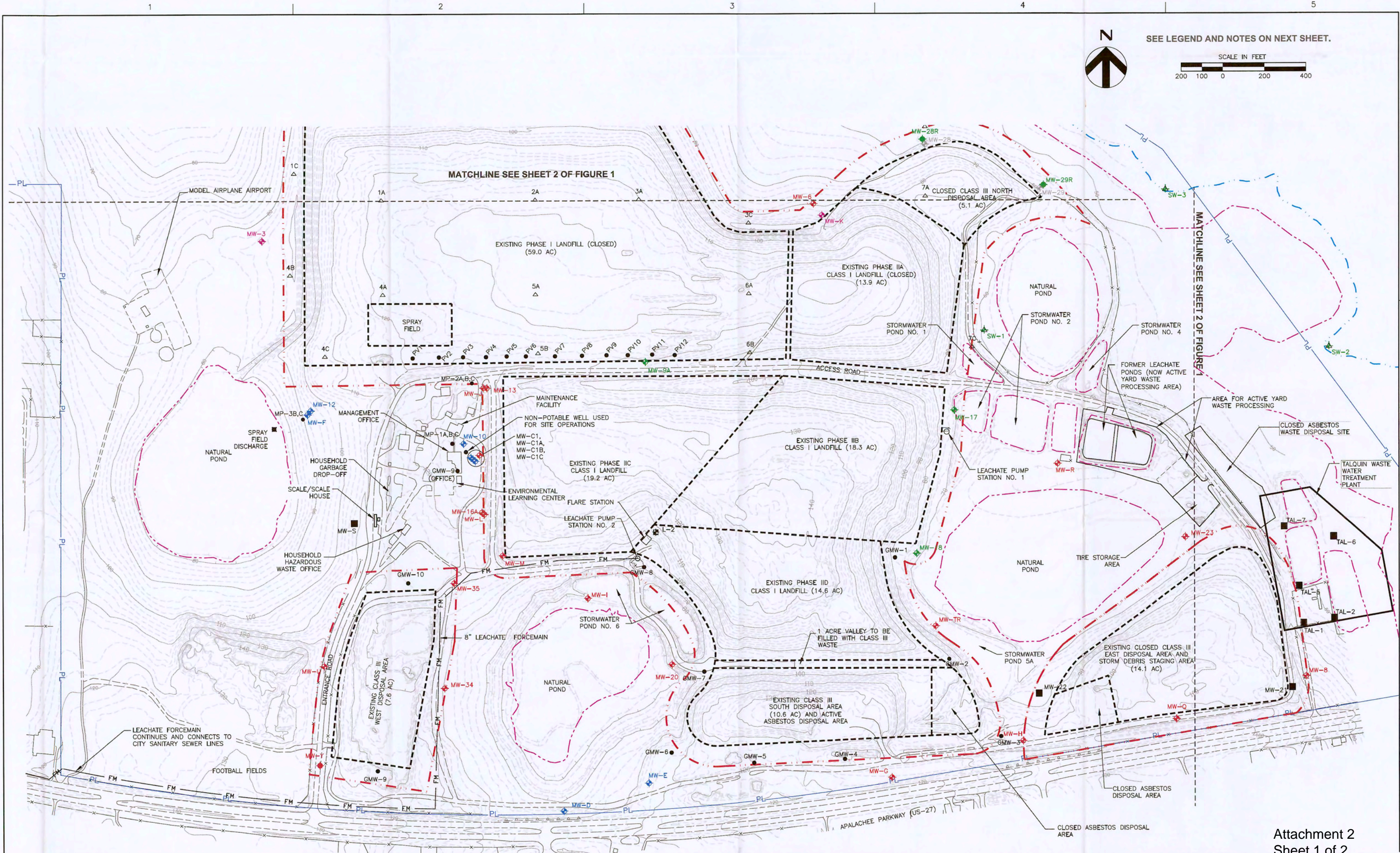
## General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

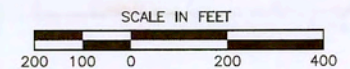
- a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of noncompliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the Department approves the transfer.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - a. Determination of Best Available Control Technology (BACT)
  - b. Determination of Prevention of Significant Deterioration (PSD)
  - c. Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
  - d. Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    - (1) The date, exact place, and time of sampling or measurements;
    - (2) The person responsible for performing the sampling or measurements;
    - (3) The dates analyses were performed;
    - (4) The person responsible for performing the analyses;
    - (5) The analytical techniques or methods used;
    - (6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.





SEE LEGEND AND NOTES ON NEXT SHEET.



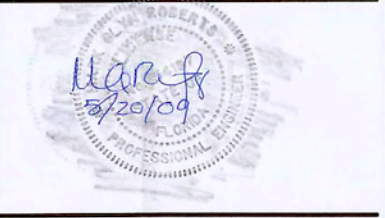
Attachment 2  
Sheet 1 of 2



**HDR**  
HDR ENGINEERING, INC.  
4140 NW 37TH PLACE  
SUITE A  
GAINESVILLE, FL 32606  
(352)642-1100

ISSUE	DATE	DESCRIPTION
C	5/09	RAI#2 RESPONSE
B	1/09	RAI#1 RESPONSE
A	8/08	PERMIT RENEWAL APPLICATION

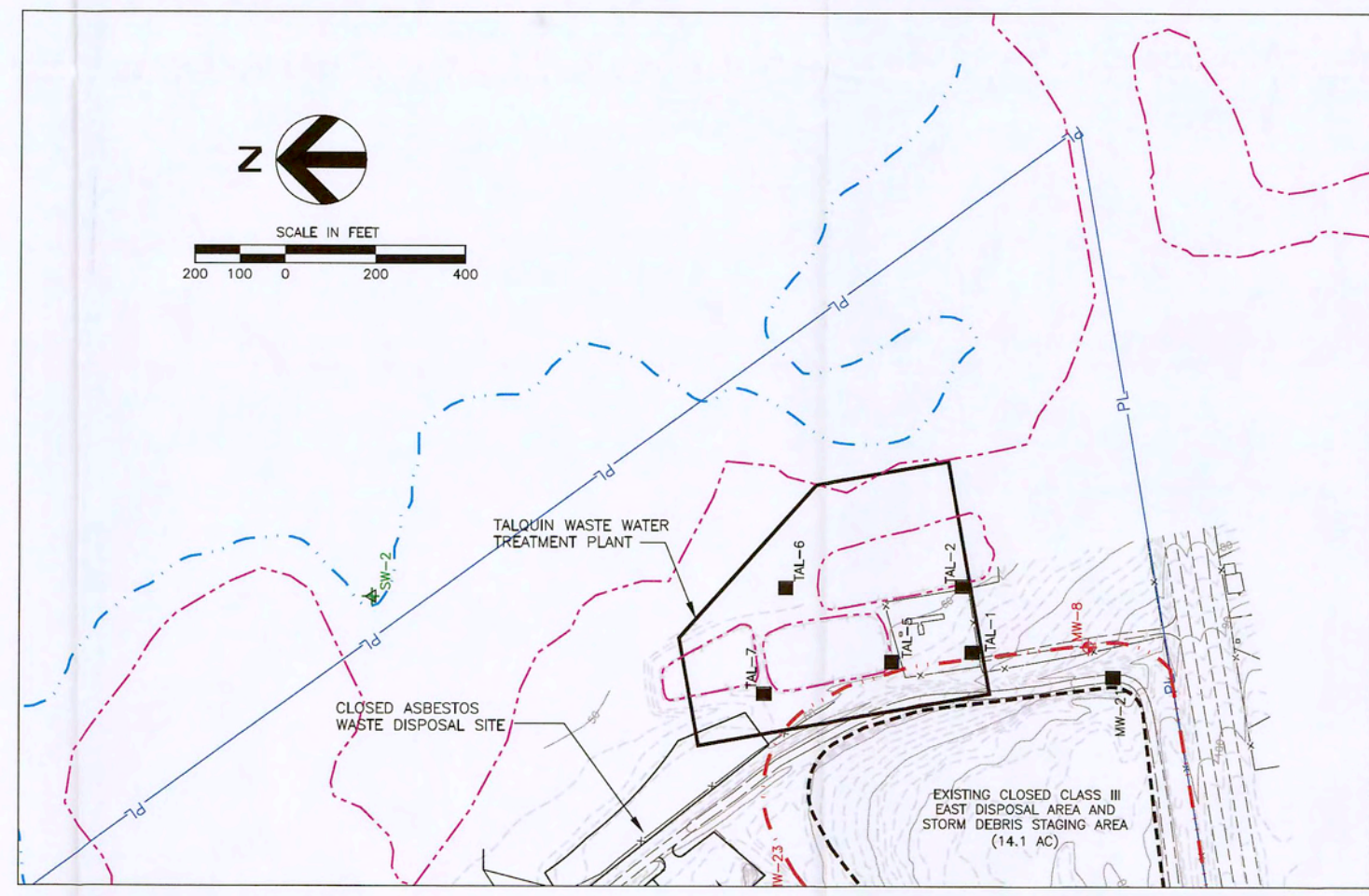
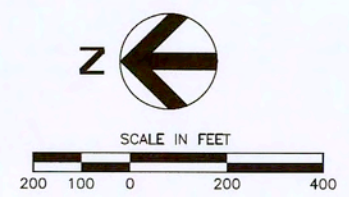
PROJECT MANAGER	J. LOCKLEAR, P.G.
DESIGNED	D. BEBEN
CHECKED BY	M. ROBERTS, P.E.
DRAWN BY	D. BEBEN
PROJECT NUMBER	80985



**LEON COUNTY SOLID WASTE  
MANAGEMENT FACILITY  
2008 PERMIT RENEWAL APPLICATION  
LEON COUNTY, FLORIDA**

SITE PLAN (SHEET 1 OF 2)		SHEET
FILENAME	SITE_PLAN_RAI_2.dwg	FIG. 1
SCALE	1"=200'	



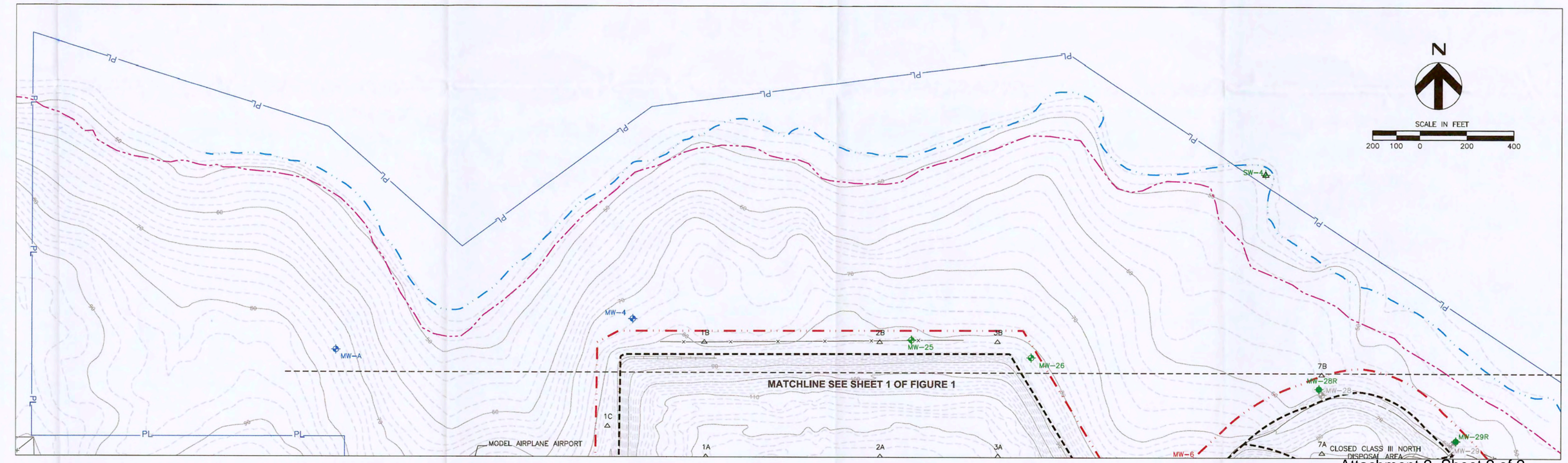


- NOTES:
1. TOPOGRAPHIC SURVEY DRAWING DATED JUNE 23, 2003 BY KUCERA SOUTH OF LAKE LAND, FLORIDA.
  2. BOUNDARIES OF DISPOSAL AREAS PROVIDED BY POST, BUCKLEY, SCHUH & JERNIGAN.
  3. NO POTABLE WELLS WERE LOCATED WITHIN 500 FEET AND NO COMMUNITY SUPPLY WELLS WERE LOCATED WITHIN 1,000 FEET OF THE DISPOSAL BOUNDARIES. SEE PERMIT RENEWAL TEXT FOR FURTHER EXPLANATION (PART I AND FIGURE 8 OF APPENDIX C).
  4. PROPERTY BOUNDARY PROVIDED BY POST, BUCKLEY, SCHUH & JERNIGAN.
  5. LOCATIONS OF GROUNDWATER WELLS, SURFACE WATER MONITORING AND LEACHATE MONITORING LOCATIONS PROVIDED BY CS & K ASSOCIATES, INC.
  6. BOUNDARY BETWEEN CLASS III NORTH CELL AND CLASS I PHASE IIIA CELL ESTIMATED BY OPERATOR.
  7. PROPERTY ACREAGE: 607.4 ACRES  
CLASS I DISPOSAL ACREAGE: 125 ACRES  
CLASS III DISPOSAL ACREAGE: 38.4 ACRES
  8. LAKE LAFAYETTE BOUNDARY FROM THE FLORIDA GEOGRAPHIC DATA LIBRARY ON JULY 8, 2008.
  9. 100-YEAR FEMA FLOODPLAIN BOUNDARY FROM LEON COUNTY, CITY OF TALLAHASSEE AND LEON COUNTY PROPERTY APPRAISER AS CREATED ON JUNE 16, 2008.
  10. WETLANDS DELINEATION FROM THE U.S. FISH AND WILDLIFE SERVICES'S NATIONAL WETLANDS INVENTORY, ACCESSED JANUARY 2009.
  11. THE HORIZONTAL ZONE OF DISCHARGE IS 100 FEET FROM THE SOLID WASTE DISPOSAL AREAS OR THE PROPERTY BOUNDARY, WHICHEVER IS CLOSER. THE VERTICAL ZONE OF DISCHARGE SHALL EXTEND FROM THE LAND SURFACE TO THE TOP OF THE FLORIDA AQUIFER.

- LEGEND
- 140 MAJOR TOPOGRAPHIC CONTOUR (10')
  - MINOR TOPOGRAPHIC CONTOUR (2')
  - ZONE OF DISCHARGE
  - LAKE LAFAYETTE
  - PROPERTY BOUNDARY
  - DISPOSAL CELL BOUNDARY
  - FM LEACHATE FORCEMAIN
  - WETLAND LIMITS (SEE NOTE 10)
  - FENCE
  - SW-1 SURFACE WATER MONITORING LOCATION
  - L-2 LEACHATE MONITORING LOCATION
  - PV1 QUARTERLY METHANE MONITORING VENT OR PROBE
  - GMW-1 QUARTERLY GAS MONITORING SURFACE LOCATION
  - 5A QUARTERLY GAS MONITORING SURFACE LOCATION
  - MW-3 BACKGROUND GROUNDWATER MONITORING WELLS
  - MW-6 DETECTION GROUNDWATER MONITORING WELLS
  - MW-28R PROPOSED DETECTION GROUNDWATER MONITORING WELLS
  - MW-C1 COMPLIANCE GROUNDWATER MONITORING WELLS
  - MW-Y PROPOSED COMPLIANCE GROUNDWATER MONITORING WELLS
  - MW-C1A WATER LEVEL MEASUREMENT LOCATIONS
  - MW-28 GROUNDWATER WELL PROPOSED TO BE ABANDONED
  - TAL-1 GROUNDWATER MONITORING WELLS USED IN RAP AND MOP ASSESSMENT MONITORING PLANS

TABLE 1  
GROUNDWATER MONITORING WELLS USED IN ASSESSMENT MONITORING PROGRAMS

	GROUNDWATER MONITORING WELLS
REMEDIAL ACTION PLAN (RAP)	MW-C1A, MW-C1B, MW-C1C, MW-C1, MW-J, MW-LM MW-13, MW-16A, MW-S
MONITORING ONLY PLAN	MW-B, MW-TR, MW-H, MW-Q, MW-R, MW-28, MW-29, MW-21, MW-22, MW-23, TAL-1, TAL-2, TAL-3, TAL-4, TAL-5, TAL-6, TAL-7



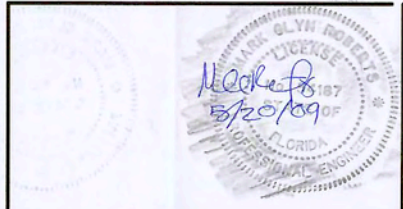
Attachment 2, Sheet 2 of 2



**HDR**  
HDR ENGINEERING, INC.  
4140 NW 37TH PLACE  
SUITE A  
GAINESVILLE, FL 32606  
(352)642-1100

ISSUE	DATE	DESCRIPTION
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PROJECT MANAGER J. LOCKLEAR, P.G.  
DESIGNED D. BEBEN  
CHECKED BY M. ROBERTS, P.E.  
DRAWN BY D. BEBEN  
PROJECT NUMBER 80985

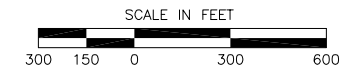


**LEON COUNTY SOLID WASTE MANAGEMENT FACILITY**  
**2008 PERMIT RENEWAL APPLICATION**  
**LEON COUNTY, FLORIDA**







**SITE PLAN (SHEET 2 OF 2)**

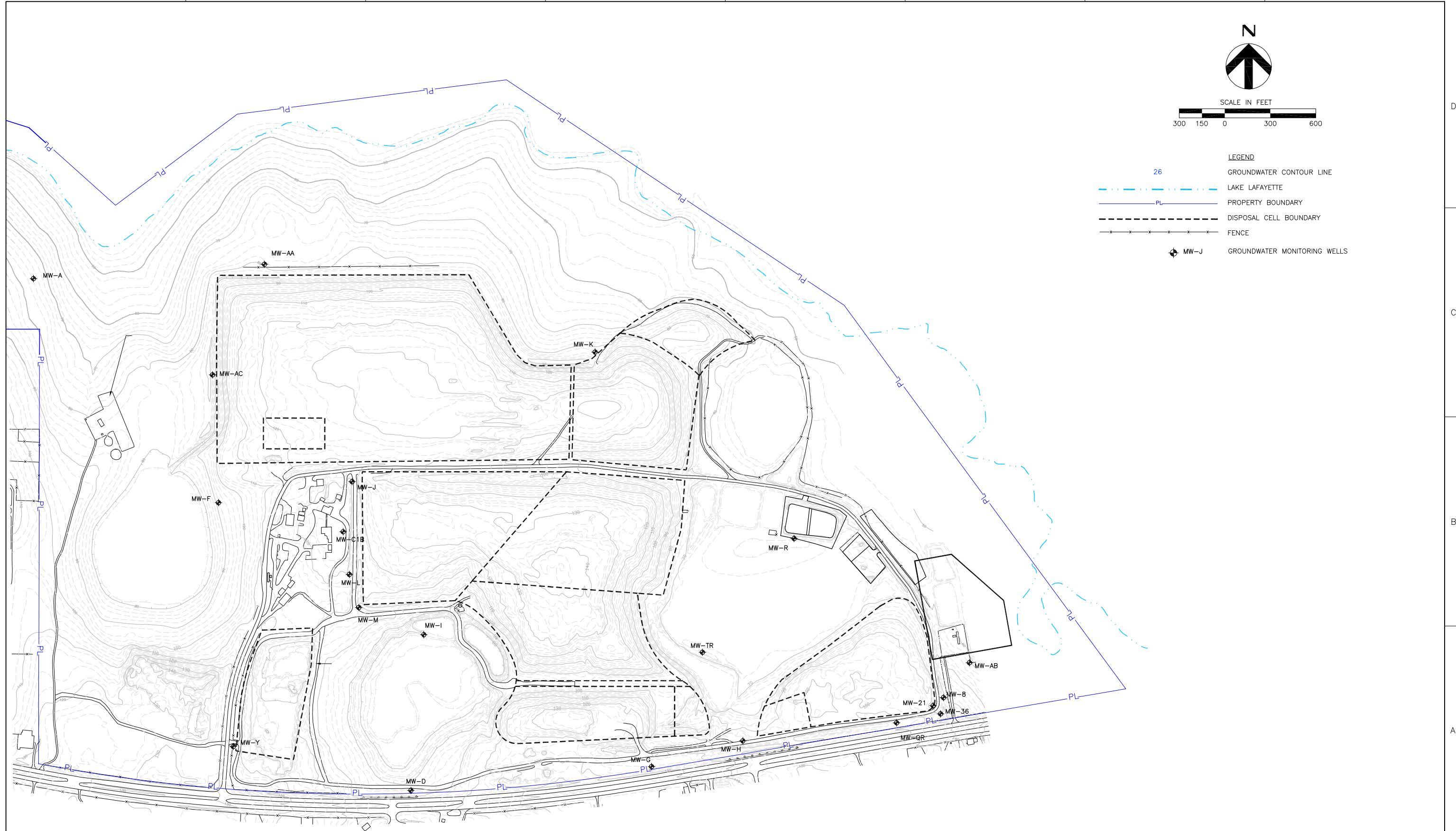
FILENAME	SITE_PLAN_RAI_2.dwg	SHEET	FIG. 1
SCALE	1"=200'		





**LEGEND**

	26	GROUNDWATER CONTOUR LINE
		LAKE LAFAYETTE
	PL	PROPERTY BOUNDARY
		DISPOSAL CELL BOUNDARY
		FENCE
	MW-J	GROUNDWATER MONITORING WELLS



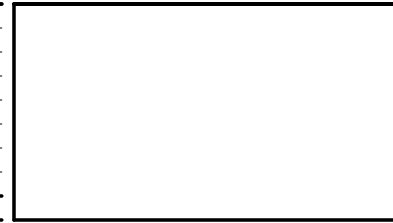
C:\pwworking\pauld0400420\Leon Co Floridan 12s2.dwg, 1/24/2013 2:39:39 PM, 1:2



**HDR**  
 HDR ENGINEERING, INC.  
 200 W. FORSYTH STREET,  
 SUITE 800  
 JACKSONVILLE, FL 32202  
 (904)598-8900

A	1/13	GROUNDWATER LOCATION
ISSUE	DATE	DESCRIPTION

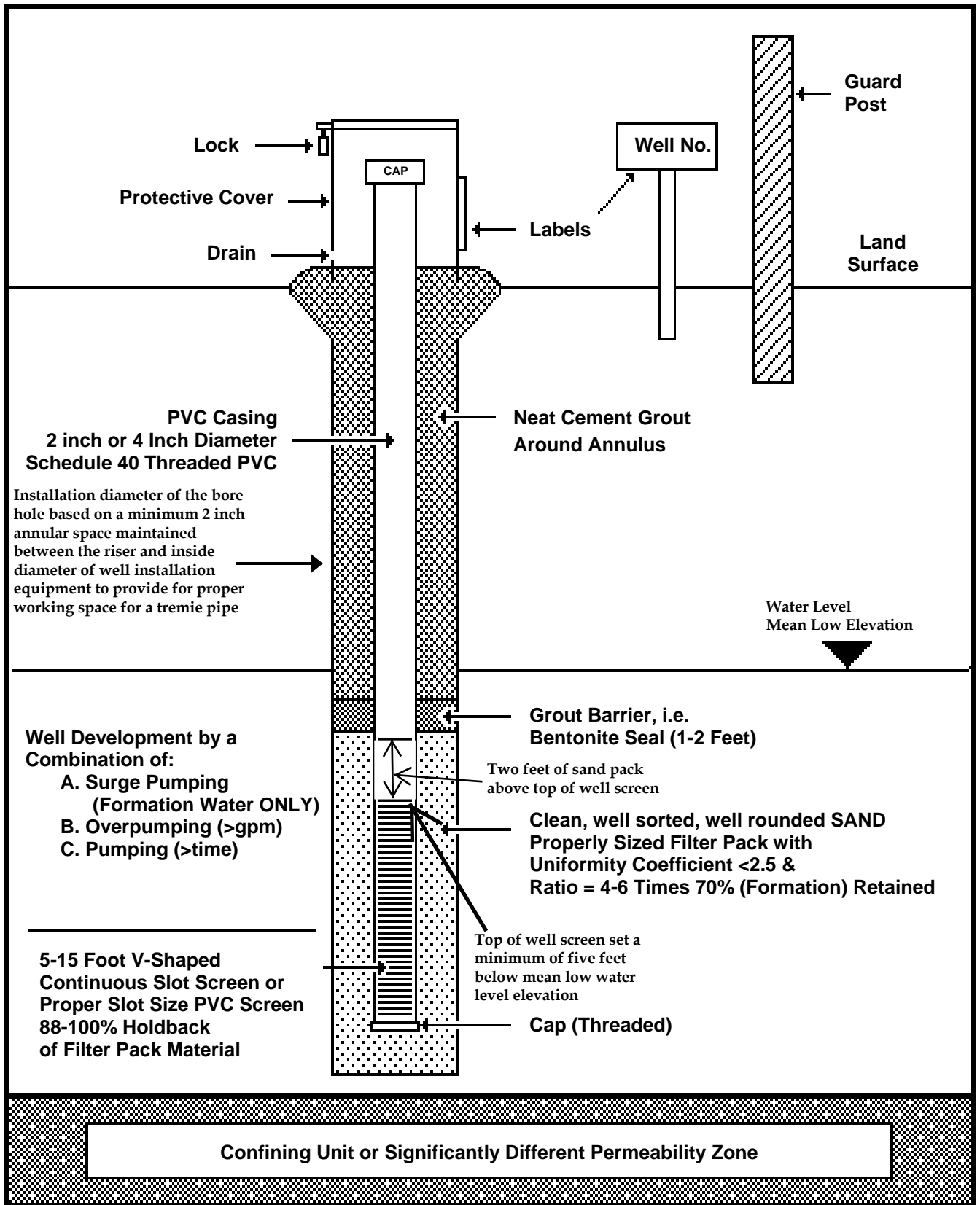
PROJECT MANAGER	J. CATCHES, P.G.
DESIGNED	J. CATCHES, P.G.
DESIGNED	
CHECKED BY	C. LEBRON, P.E.
DRAWN BY	L. CHAVEZ
DRAWN BY	
PROJECT NUMBER	194883



**LEON COUNTY SOLID WASTE  
 MANAGEMENT FACILITY  
 LEON COUNTY, FLORIDA**

<b>2013                  WATER QUALITY                  MONITORING PLAN</b>		
	FILENAME Leon Co Floridan 12s2.dwg	SHEET
	SCALE AS SHOWN	





Basic Monitor Well Design  
in a Water Table Aquifer

Florida Department of  
Environmental Protection  
Northwest District Office



# Department of Environmental Protection

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

DEP Form #: 62-701.900(31)  
Form Title: Water Quality Monitoring Certification  
Effective Date: January 6, 2010  
Incorporated in Rule 62-701.510(9)

## WATER QUALITY MONITORING CERTIFICATION

### PART I GENERAL INFORMATION

(1) Facility Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zip \_\_\_\_\_ County \_\_\_\_\_  
 Telephone Number ( \_\_\_\_\_ ) \_\_\_\_\_

(2) WACS Facility ID \_\_\_\_\_

(3) DEP Permit Number \_\_\_\_\_

(4) Authorized Representative's Name \_\_\_\_\_ Title \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zip \_\_\_\_\_ County \_\_\_\_\_  
 Telephone Number ( \_\_\_\_\_ ) \_\_\_\_\_  
 Email address (if available) \_\_\_\_\_

### CERTIFICATION

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

\_\_\_\_\_  
(Date) (Owner or Authorized Representative's Signature)

### PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization \_\_\_\_\_  
 Analytical Lab NELAC / HRS Certification # \_\_\_\_\_  
 Lab Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number ( \_\_\_\_\_ ) \_\_\_\_\_  
 Email address (if available) \_\_\_\_\_

Northwest District  
160 Government Center  
Pensacola, FL 32501-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. 200 B  
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 Pky.  
Temple Terrace, FL  
813-632-7600

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33902-2549  
239-332-6975

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





# Department of Environmental Protection

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

DEP Form # 62-701.900(28)  
Form Title: Closure Cost Estimating Form For Solid Waste Facilities  
Effective Date: January 6, 2010  
Incorporated in Rule 62-701.630(3), F.A.C.

## CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

Date of DEP Approval: \_\_\_\_\_

**I. GENERAL INFORMATION:**

Facility Name: \_\_\_\_\_ WACS ID: \_\_\_\_\_  
 Permit Application or Consent Order No.: \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
 Facility Address: \_\_\_\_\_  
 Permittee or Owner/Operator: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
 Coordinate Method: \_\_\_\_\_ Datum: \_\_\_\_\_  
 Collected by: \_\_\_\_\_ Company/Affiliation: \_\_\_\_\_

**Solid Waste Disposal Units Included in Estimate:**

Phase / Cell	Acres	Date Unit Began Accepting Waste	Active Life of Unit From Date of Initial Receipt of Waste	If active: Remaining life of unit	If closed: Date last waste received	If closed: Official date of closing

Total disposal unit acreage included in this estimate:      Closure: \_\_\_\_\_      Long-Term Care: \_\_\_\_\_

Facility type:      \_\_\_\_\_ Class I      \_\_\_\_\_ Class III      \_\_\_\_\_ C&D Debris Disposal  
 (Check all that apply)      \_\_\_\_\_ Other: \_\_\_\_\_

**II. TYPE OF FINANCIAL ASSURANCE DOCUMENT** (Check type)

\_\_\_\_\_ Letter of Credit\*      \_\_\_\_\_ Insurance Certificate      \_\_\_\_\_ Escrow Account  
 \_\_\_\_\_ Performance Bond\*      \_\_\_\_\_ Financial Test      \_\_\_\_\_ Form 29 (FA Deferral)  
 \_\_\_\_\_ Guarantee Bond\*      \_\_\_\_\_ Trust Fund Agreement

\* - Indicates mechanisms that require the use of a Standby Trust Fund Agreement

**III. ESTIMATE ADJUSTMENT**

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, (F.A.C.) sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

**(a) Inflation Factor Adjustment**

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website [www.dep.state.fl.us/waste/categories/swfr](http://www.dep.state.fl.us/waste/categories/swfr) or call the Financial Coordinator at (850) 245-8706.

This adjustment is based on the Department approved closing cost estimate dated: \_\_\_\_\_

Latest Department Approved Closing Cost Estimate:	X	Current Year Inflation Factor	=	Inflation Adjusted Closing Cost Estimate:
_____		_____		_____

This adjustment is based on the Department approved long-term care cost estimate dated: \_\_\_\_\_

Annual Long-Term Care Cost Estimate:	X	Current Year Inflation Factor	=	Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____		_____		_____
Number of Years of Long Term Care Remaining:			X	_____
<b>Inflation Adjusted Long-Term Care Cost Estimate:</b>			=	_____

**Signature by:**     **Owner/Operator**     **Engineer**    (check what applies)

Signature	Address
Name & Title	City, State, Zip Code
Date	E-Mail Address (if available)
Telephone Number	

**(b) Recalculated or New Cost Estimates** (see Section IV)

**IV. ESTIMATED CLOSING COST (check what applies)**

Recalculated Cost Estimate

New Facility Cost Estimate

**\*\* For the time period in the landfill operation when the extent and manner of its operation makes closing most expensive.**

**\*\* Cost estimate must be certified by a professional engineer (see Section VI).**

**\*\* Costs must be for a third party providing all material, equipment and labor which is at least at fair market value.**

**\*\* In some cases, a price quote in support of individual item estimates may be required.**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Proposed Monitoring Wells		(Do not include wells already in existence.)		
	EA	_____	_____	_____
			Subtotal Monitoring Wells:	_____
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	_____	_____	_____
Placement and Spreading	CY	_____	_____	_____
Compaction	CY	_____	_____	_____
Off-Site Material	CY	_____	_____	_____
Delivery	CY	_____	_____	_____
			Subtotal Slope and Fill :	_____
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY	_____	_____	_____
Synthetics - 40 mil	SY	_____	_____	_____
Synthetics - GCL	SY	_____	_____	_____
Synthetics - Geonet	SY	_____	_____	_____
Synthetics - Other (describe)	_____	_____	_____	_____
			Subtotal Barrier Layer Cover:	_____
4. Top Soil Cover:				
Off-Site Material	CY	_____	_____	_____
Delivery	CY	_____	_____	_____
Spread	CY	_____	_____	_____
			Subtotal Top Soil Cover:	_____
5. Vegetative Layer				
Sodding	SY	_____	_____	_____
Hydroseeding	AC	_____	_____	_____
Fertilizer	AC	_____	_____	_____
Mulch	AC	_____	_____	_____
Other (describe)	_____	_____	_____	_____
			Subtotal Vegetative Layer:	_____
6. Stormwater Control System:				
Earthwork	CY	_____	_____	_____
Grading	SY	_____	_____	_____
Piping	LF	_____	_____	_____
Ditches	LF	_____	_____	_____
Berms	LF	_____	_____	_____
Control Structures	EA	_____	_____	_____
Other (describe)	_____	_____	_____	_____
			Subtotal Stormwater Control:	_____

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
<b>7. Gas Control: Passive</b>				
Wells	EA	_____	_____	_____
Pipe and Fittings	LF	_____	_____	_____
Monitoring Probes	EA	_____	_____	_____
NSPS/Title V requirements	LS	_____	_____	_____
			Subtotal Passive Gas Control:	_____
<b>8. Gas Control: Active Extraction</b>				
Traps	EA	_____	_____	_____
Sumps	EA	_____	_____	_____
Flare Assembly	EA	_____	_____	_____
Flame Arrestor	EA	_____	_____	_____
Mist Eliminator	EA	_____	_____	_____
Flow Meter	EA	_____	_____	_____
Blowers	EA	_____	_____	_____
Collection System	LF	_____	_____	_____
Other (describe)	_____	_____	_____	_____
			Subtotal Active Gas Extraction:	_____
<b>9. Security System:</b>				
Fencing	LF	_____	_____	_____
Gate(s)	EA	_____	_____	_____
Sign(s)	EA	_____	_____	_____
			Subtotal Security System:	_____
<b>10. Engineering:</b>				
Closure Plan report	LS	_____	_____	_____
Certified Engineering Drawings	LS	_____	_____	_____
NSPS/Title V Air Permit	LS	_____	_____	_____
Final Survey	LS	_____	_____	_____
Certification of Closure	LS	_____	_____	_____
Other (describe)	_____	_____	_____	_____
			Subtotal Engineering:	_____

DESCRIPTION	HOURS	LS	HOURS	LS	TOTAL
11. Professional Services					
	Contract Management		Quality Assurance		
P.E. Supervisor	_____	_____	_____	_____	_____
On-Site Engineer	_____	_____	_____	_____	_____
Office Engineer	_____	_____	_____	_____	_____
On-Site Technician	_____	_____	_____	_____	_____
Other (explain)	_____	_____	_____	_____	_____

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS	_____	_____	_____
Subtotal Professional Services:				_____
<b>Subtotal of 1-11 Above:</b>				_____
12. Contingency	_____ % of Total			_____
<b>Closing Cost Subtotal:</b>				_____
13. Site Specific Costs (explain)				
Mobilization				_____
Waste Tire Facility				_____
Materials Recovery Facility				_____
Special Wastes				_____
Leachate Management System Modification				_____
Other				_____
Subtotal Site Specific Costs:				_____
<b>TOTAL CLOSING COSTS:</b>				_____



**V. ANNUAL COST FOR LONG-TERM CARE**

(Check Term Length)

\_\_\_\_\_ 5 Years                      \_\_\_\_\_ 20 Years                      \_\_\_\_\_ 30 Years  
 \_\_\_\_\_ Other                              \_\_\_\_\_ Years

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

- \*\*Cost estimates must be certified by a professional engineer (see Section VI).**
- \*\* Costs must be for a third party providing all material, equipment and labor which is at least at fair market value.**
- \*\* In some cases, a price quote in support of individual item estimates may be required.**

**All items must be addressed.** Attach a detailed explanation for all items marked not applicable (N/A)

DESCRIPTION	SAMPLING FREQUENCY (EVENT/YEAR)	NUMBER OF WELLS	\$ / WELL / EVENT	\$ / YEAR
<b>1. Groundwater Monitoring [62-701.510(6), and (8)(a)]</b>				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annually	2	_____	_____	_____
Annually	1	_____	_____	_____
			Subtotal Groundwater Monitoring:	_____
<b>2. Surface Water Monitoring [62-701.510(4), and (8)(b)]</b>				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annually	2	_____	_____	_____
Annually	1	_____	_____	_____
			Subtotal Surface Water Monitoring:	_____
<b>3. Gas Monitoring [62-701.400(10)]</b>				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annually	2	_____	_____	_____
Annually	1	_____	_____	_____
			Subtotal Gas Monitoring:	_____
<b>4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c]</b>				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annually	2	_____	_____	_____
Annually	1	_____	_____	_____
Other (describe)	_____	_____	_____	_____
			Subtotal Leachate Monitoring:	_____

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
<b>5. Leachate Collection/Treatment Systems Maintenance</b>				
<u>Maintenance</u>				
Collection Pipes	LF	_____	_____	_____
Sumps, Traps	EA	_____	_____	_____
Lift Stations	EA	_____	_____	_____
Cleaning	LS	_____	_____	_____
Tanks	EA	_____	_____	_____
<u>Impoundments</u>				
Liner Repair	SY	_____	_____	_____
Sludge Removal	CY	_____	_____	_____
<u>Aeration Systems</u>				
Floating Aerators	EA	_____	_____	_____
Spray Aerators	EA	_____	_____	_____
<u>Disposal</u>				
Off-site	1000 gallon	_____	_____	_____
(Include Transportation and Disposal)			Subtotal LCS/Treatment System Maintenance:	_____

DESCRIPTION	UNIT	HOURS	\$/HOUR	TOTAL
<b>6. Leachate Collection/Treatment Systems Operation</b>				
<u>Operation</u>				
P.E. Supervisor	HR	_____	_____	_____
On-Site Engineer	HR	_____	_____	_____
Office Engineer	HR	_____	_____	_____
OnSite Technician	HR	_____	_____	_____
Materials	LS	_____	_____	_____
			Subtotal LCS/Treatment System Operation:	_____
<b>7. Maintenance of Groundwater Monitoring Wells</b>				
Monitoring Wells	LF	_____	_____	_____
Replacement	EA	_____	_____	_____
Abandonment	EA	_____	_____	_____
			Subtotal Groundwater Monitoring Well Maintenance:	_____

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
<b>8. Gas System Maintenance</b>				
Piping, Vents	LF	_____	_____	_____
Blowers	EA	_____	_____	_____
Flaring Units	EA	_____	_____	_____
Meters, Valves	EA	_____	_____	_____
Compressors	EA	_____	_____	_____
Flame Arrestors	EA	_____	_____	_____
Operation	LS	_____	_____	_____
			Subtotal Gas System:	_____

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
9. Landscape Maintenance				
Mowing	AC	_____	_____	_____
Fertilizer	AC	_____	_____	_____
Subtotal Landscape Maintenance:				_____
10. Erosion Control & Cover Maintenance				
Sodding	SY	_____	_____	_____
Regrading	AC	_____	_____	_____
Liner Repair	SY	_____	_____	_____
Clay	CY	_____	_____	_____
Subtotal Erosion Control and Cover Maintenance:				_____
11. Storm Water Management System Maintenance				
Conveyance Maintenance	LS	_____	_____	_____
Subtotal Storm Water System Maintenance:				_____
12. Security System Maintenance				
Fences	LF	_____	_____	_____
Gate(s)	EA	_____	_____	_____
Sign(s)	EA	_____	_____	_____
Subtotal Security System:				_____
13. Utilities	LS	_____	_____	_____
Utilities Subtotal:				_____

DESCRIPTION	UNIT	HOURS	\$/HOUR	TOTAL
14. Administrative				
P.E. Supervisor	HR	_____	_____	_____
On-Site Engineer	HR	_____	_____	_____
Office Engineer	HR	_____	_____	_____
OnSite Technician	HR	_____	_____	_____
Other (explain)		_____	_____	_____
Subtotal Administrative:				_____
15. Contingency	_____ % of Total			_____
Subtotal Contingency:				_____

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
16. Site Specific Costs (explain)				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**ANNUAL LONG-TERM CARE COST (\$/Year):** \_\_\_\_\_

NUMBER OF YEARS OF LONG-TERM CARE \_\_\_\_\_

**TOTAL LONG-TERM CARE COST (\$)** \_\_\_\_\_

**VI. CERTIFICATION BY ENGINEER**

This is to certify that the Cost Estimates pertaining to the engineering features of this solid waste management facility, known as \_\_\_\_\_, have been examined by me and found to conform to  
Facility Name  
engineering principles applicable to such facilities. In my professional judgment, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

_____ Signature	_____ Mailing Address
_____ Name and Title (please type)	_____ City, State, Zip Code
_____ Date	_____ E-Mail address (if available)
_____ Florida Registration Number (please affix seal)	(_____) _____ Telephone Number

**VII. SIGNATURE BY OWNER/OPERATOR**

_____ Signature of Applicant	_____ Mailing Address
_____ Name and Title (please type)	_____ City, State, Zip Code
_____ E-Mail address (if available)	(_____) _____ Telephone Number



# Department of Environmental Protection

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

DEP Form # 62-701.900(30)  
Form Title: Monitoring Well Completion Report  
Effective Date: January 6, 2010  
Incorporated in Rule 62-701.510(3)

## MONITORING WELL COMPLETION REPORT

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

FACILITY NAME: \_\_\_\_\_

DEP PERMIT NO.: \_\_\_\_\_ WACS\_FACILITY: \_\_\_\_\_

WACS MONITORING SITE\_NUM.: \_\_\_\_\_ WACS\_WELL: \_\_\_\_\_

WELL\_TYPE: BACKGROUND \_\_\_\_\_ DETECTION \_\_\_\_\_ COMPLIANCE \_\_\_\_\_

LATITUDE AND LONGITUDE (see back for requirements): \_\_\_\_\_

Coordinate Accuracy \_\_\_\_\_ Datum \_\_\_\_\_ Elevation Datum \_\_\_\_\_

Collection Method \_\_\_\_\_ Collection Date \_\_\_\_\_

Collector Name \_\_\_\_\_ Collector Affiliation \_\_\_\_\_

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

DRILLING METHOD: \_\_\_\_\_ DATE INSTALLED: \_\_\_\_\_

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

BORE HOLE DIAMETER: \_\_\_\_\_ TOTAL DEPTH: \_\_\_\_\_ (BLS)

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

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

SCREEN DIAMETER: \_\_\_\_\_ SCREEN INTERVAL: \_\_\_\_\_ TO \_\_\_\_\_  
(BLS)

FILTER PACK TYPE: \_\_\_\_\_ FILTER PACK GRAIN SIZE: \_\_\_\_\_

INTERVAL COVERED: \_\_\_\_\_ TO \_\_\_\_\_ (BLS)

SEALANT TYPE: \_\_\_\_\_ SEALANT INTERVAL: \_\_\_\_\_ TO \_\_\_\_\_ (BLS)

GROUT TYPE: \_\_\_\_\_ GROUT INTERVAL: \_\_\_\_\_ TO \_\_\_\_\_ (BLS)

TOP OF CASING ELEVATION (NGVD): \_\_\_\_\_ GROUND SURFACE ELEVATION (NGVD): \_\_\_\_\_

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

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): \_\_\_\_\_

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

REMARKS: \_\_\_\_\_

NAME OF PERSON PREPARING REPORT: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

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

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



# Department of Environmental Protection

DEP Form # 62-709.901(2)  
 Ann. Rep. for a Solid Waste Mgmt. Facil.  
 Form Title Produc. Compost Made from Solid Waste  
 Effective Date February 15, 2010  
 DEP Application No. \_\_\_\_\_  
 (Filled in by DEP)  
 This form is adopted by reference in subsection 62-709.901(2), F.A.C.

## Annual Report for a Solid Waste Management Facility Producing Compost Made from Solid Waste

1. Facility Name: \_\_\_\_\_ Permit No.: \_\_\_\_\_  
 Address: \_\_\_\_\_

2. Year Covered by this Report: \_\_\_\_\_

3. Total Quantity in Tons and Type of Waste Received During Report Year:

	Quantity
Yard Trash	_____
Manure	_____
Other Solid Wastes	_____
Sludge (in tons dry weight)	_____
Other. Type _____	_____

4. Total Quantity in Tons and Type of Waste Processed into Compost During Report Year:

	Quantity
Yard Trash	_____
Manure	_____
Other Solid Wastes	_____
Sludge (in tons dry weight)	_____
Other. Type _____	_____

5. Total Quantity in Tons and Type of Compost Produced During Report Year. Identify type using classification codes specified in Rule 62-709.550, F.A.C.

Type	Quantity
_____	_____
_____	_____
_____	_____

6. Total Quantity in Tons and Type of Compost Removed from Facility for Use or Disposal During Year. Identify type using classification codes specified in Rule 62-709.550, F.A.C. If "used" is circled, include a general description of the market.

Type	Quantity	(circle one)	Market
_____	_____	used / disposed of	_____
_____	_____	used / disposed of	_____
_____	_____	used / disposed of	_____

Person Completing This Form: \_\_\_\_\_  
Name Telephone No.

Northwest District 160 Governmental Center Pensacola, FL 32502-5794 850-595-8300	Northeast District 7825 Baymeadows Way, Ste. B200 Jacksonville, FL 32256-7577 904-807-3300	Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555	Southwest District 13051 N Telecom Parkway Temple Terrace, FL 33637-0926 813-632-7600	South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 239-332-6975	Southeast District 400 N Congress Ave, Ste 200 West Palm Beach, FL 33401 561-681-6600
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