



MARION COUNTY
SOLID WASTE

APPENDIX "F"
PERMITS

**BASELINE LANDFILL
TRANSFER STATION
GENERAL PERMIT #SF0103935-08**

Issued: 10-08-2012
Expires: 10-05-2017

2015 STRATEGIC PLAN



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

October 8, 2012

E-Mail

lee.niblock@marioncountyfl.org

Dr. Lee Niblock, County Administrator
Marion County Board of County Commissioners
601 SE 25th Street
Ocala, Florida 34471

OCD-SW-12-394

Marion County – SW WACS #20906
Marion County Baseline Landfill Transfer Station
Notification of Intent to Use a General Permit – Indoor Waste Processing Facility
Permit Application No. SO42-0103935-014 Application Complete

Dear Dr. Niblock:

This letter acknowledges receipt (September 17, 2012) of your Notification of Intent DEP Form 62-701.900(34), Florida Administrative Code (F.A.C.) to Use a General Permit for an Indoor Waste Processing Facility, as provided in rule 62-701.710(10), F.A.C. Based upon review of the application and supporting documentation, the Department does not object to your use of the general permit.

You are required to comply with the rules listed below and all other applicable provisions of the Florida Administrative Code and the Laws of Florida. Copies of the rule citations can be found at: http://www.dep.state.fl.us/waste/quick_topics/rules/default.htm

Chapter 62-4, F.A.C., Permits – Part III Procedures for General Permits

- Rule 62-4.510 Scope of Part III
- Rule 62-4.520 Definition
- Rule 62-4.530 Procedures
- Rule 62-4.540 General conditions for All General Permit


Chapter 62-701, F.A.C., Solid Waste Management Facilities

- Rule 62-701.710(10) General Permit for Indoor Waste Processing Facility
- Rule 62-701.300 Prohibitions [Ref. 62-701.710(10)(a) “...be operated in accordance with the standards and criteria set forth in Rules 62-4.540 and 62-701.300, F.A.C...”]

No work on the site may continue beyond October 5, 2017, unless a timely (not later than September 5, 2017) Notification of Intent to Use a General Permit for an Indoor Waste Processing Facility is received by the Department.

The Department is still working on the charges to our permitting database in order to track transfer station general permits. That database is also used to account for payment of permit fees. When the changes are complete we will be able to refund \$900 from your original \$1,000 renewal application fee because the transfer station general permit fee is only \$100.

Sincerely,


F. Thomas Lubozynski, P.E.
Waste Program Administrator

FTL/ll/jh

cc:

Richard Tedder, P.E. – DEP – Tallahassee richard.tedder@dep.state.fl.us

Michael Sims, mike.sims@marioncountyfl.org

Michele E. Pollman, JEA - MPollman@jonesedmunds.com

Carol G. Sawyer, P.E., JEA – CSawyer@jonesedmunds.com

JONES EDMUNDS

RECEIVED

JUN 28 2012

DEP Central District

June 27, 2012

Tom Lubozynski, Administrator
Solid and Hazardous Waste Division
Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: Marion County Baseline Landfill Transfer Station Permit Renewal Application
Permit Number: SO42-0103935-009
Jones Edmunds Project No.: 13150-193-01

Dear Mr. Lubozynski:

On behalf of Marion County, Jones Edmunds & Associates, Inc., respectfully submits the enclosed Transfer Station Permit Renewal Application package for the Marion County Baseline Landfill Solid Waste Transfer Station. This application pertains to the continued operations of the Baseline Landfill Transfer Station, Marion County, Florida. We have enclosed four signed and sealed copies of the permit application and supporting documentation and the required \$1,000 application fee.

If you have any comments or concerns, please feel free to call me at (352) 377-5821.

Sincerely,



Michele E. Pollman, MS
Project Manager

\\GNV-PROJECTS\projects\13150-MarionCounty\193-01-BaselineTSPermitRenewal\CORR\2012-06-27-LTR-TLubozynski-FDEP-BaselineLF-TransferStationPermitRenewalApplication.CSawyer.doc

Enclosures

xc: Mike Sims, Marion County Solid Waste Director

Donation

**MARION COUNTY
SOLID WASTE TRANSFER STATION
PERMIT RENEWAL APPLICATION**

RECEIVED
JUN 28 2012
DEP Central District

**PERMIT NO.: SO42-0103935-009
WACS FACILITY ID NO.: 20906**

Prepared for:

MARION COUNTY BOARD OF COUNTY COMMISSIONERS
5601 SE 66th Street
Ocala, Florida 34480

Presented to:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-6767

Prepared by:

JONES EDMUNDS & ASSOCIATES, INC.
730 NE Waldo Road
Gainesville, Florida 32641

Certificate of Authorization #1841

June 2012

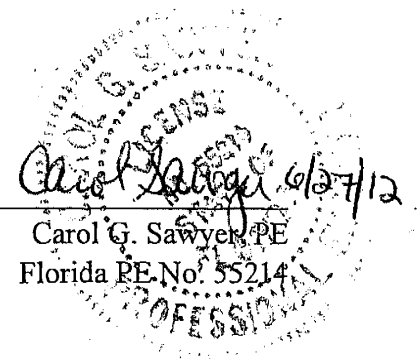

Carol G. Sawyer PE
Florida PE No. 55214
6/27/12

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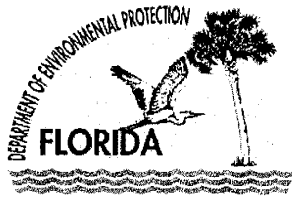
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APPLICATION FORM



Florida Department of Environmental Protection

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

DEP Form #: 62-701.900(4), F.A.C.
Form Title: Application to Construct, Operate, or Modify a Waste Processing Facility
Effective Date: January 6, 2010
Incorporated in Rule: 62-701.710(2), F.A.C.

APPLICATION TO CONSTRUCT, OPERATE, OR MODIFY A WASTE PROCESSING FACILITY

GENERAL REQUIREMENT: Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes (F.S.) and in accordance with Florida Administrative Code (F.A.C.) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315(4), F.A.C., shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP). Complete appropriate sections for the type of facility for which application is made and include all additional information, drawings, and reports necessary to evaluate the facility.

Please Type or Print in Ink

A. GENERAL INFORMATION

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

Transfer Station

Materials Recovery Facility:

C&D Recycling

Class III MRF

MSW MRF

Other Describe: _____

Other Facility That Processes But Does Not Dispose Of Solid Waste On-Site:

Storage, Processing or Disposal for Combustion Facilities (not addressed in another permit)

Other Describe: _____

NOTE: C&D Disposal facilities that also recycle C&D, shall apply on DEP FORM 62-701.900(6), F.A.C.

2. Type of application:

Construction/Operation

Operation without Additional Construction

3. Classification of application:

New

Substantial Modification

Renewal

Intermediate Modification

Minor Modification

4. Facility name: Marion County Baseline Landfill Transfer Station--Waste Processing Facility

5. DEP ID number: _____ County: Marion

6. Facility location (main entrance): 5601 SE 66th Street, Ocala, Florida

7. Location coordinates:
 Section: 1 Township: 16S Range: 22E
 Latitude: 29° 07' 19.88N" Longitude: 82° 03' 46.46W"
 Datum: NAD1983 Coordinate Method: State Plane Florida West
 Collected by: Matt Lake Company/Affiliation: Jones Edmunds & Associates, Inc.
8. Applicant name (operating authority): Marion County Board of County Commissioners
 Mailing address: 5601 SE 66th Street Ocala, FL 34480
 Street or P.O. Box City State Zip
 Contact person: Michael Sims Telephone: (352) 671-8465
 Title: Solid Waste Director mike.sims@marioncountyfl.org
 E-Mail address (if available)
9. Authorized agent/Consultant: Jones Edmunds & Associates, Inc.
 Mailing address: 730 NE Waldo Road Gainesville, FL 32641
 Street or P.O. Box City State Zip
 Contact person: Michelle Pollman Telephone: (352) 377-5821
 Title: Project Manager mpollman@jonesedmunds.com
 E-Mail address (if available)
10. Landowner (if different than applicant): same
 Mailing address: _____
 Street or P.O. Box City State Zip
 Contact person: _____ Telephone: (_____) _____
 E-Mail address (if available)
11. Cities, towns and areas to be served: Marion County--including Cities of Ocala, Belleview, Dunnellon, McIntosh, and the Villages in Marion County.
12. Date site will be ready to be inspected for completion: N/A
13. Estimated costs:
 Total Construction: \$ N/A Closing Costs: \$ N/A
14. Anticipated construction starting and completion dates:
 From: N/A To: N/A
15. Expected volume of waste to be received: _____ yds³/day 250-600(avg) tons/day
16. Provide a brief description of the operations planned for this facility: The Marion County Baseline Landfill

Transfer Station accepts wastes from private residents and commercial haulers. In 2009 the County redirected waste from the transfer station to the Baseline Class I Landfill and continued to use the transfer station as a Citizens Drop-Off Area. In 2015, the transfer station will resume full operations as waste will be disposed off site. The enclosed application is for a permit renewal.

B. ADDITIONAL INFORMATION

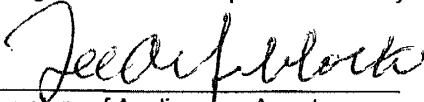
Please attach the following reports or documentation as required.

1. Provide a description of the solid waste that is proposed to be collected, stored, processed or disposed of by the facility, a projection of those waste types and quantities expected in future years, and the assumptions used to make the projections (Rule 62-701.710(2)(a), F.A.C.).
2. Attach a site plan, signed and sealed by a professional engineer registered under Chapter 471, F.S., with a scale not greater than 200 feet to the inch, which shows the facility location, total acreage of the site, and any other relevant features such as water bodies or wetlands on or within 200 feet of the site, potable water wells on or within 500 feet of the site (Rule 62-701.710(2)(b), F.A.C.).
3. Provide a description of the operation and functions of all processing equipment that will be used, with design criteria and expected performance. The description shall show the flow of solid waste and associated operations in detail, and shall include (Rule 62-701.710(2)(c), F.A.C.):
 - a. Regular facility operations as they are expected to occur;
 - b. Procedures for start up operations, and scheduled and unscheduled shut down operations; and
 - c. Potential safety hazards and control methods, including fire detection and control.
4. Provide a description of the loading, unloading, storage and processing areas (Rule 62-701.710(2)(d), F.A.C.).
5. Provide the identification and capacity of any on-site storage areas for recyclable materials, non-processable wastes, unauthorized wastes, and residues (Rule 62-701.710(2)(e), F.A.C.).
6. Provide a plan for disposal of unmarketable recyclable materials and residue, and for waste handling capability in the event of breakdowns in the operations or equipment (Rule 62-701.710(2)(f), F.A.C.).
7. Provide a boundary survey, legal description, and topographic survey of the property (Rule 62-701.710(2)(g), F.A.C.).
8. Provide a description of the design requirements for the facility which demonstrate how the applicant will comply with Rule 62-701.710(3), F.A.C.
9. Provide an operation plan which describes how the applicant will comply with Rule 62-701.710(4), F.A.C. (Rule 62-701.710(2)(h), F.A.C.).
10. Provide a closure plan which describes generally how the applicant will comply with Rule 62-701.710(6), F.A.C. (Rule 62-701.710(2)(i), F.A.C.).
11. Unless exempted by Rule 62-701.710(10)(a), F.A.C., provide the financial assurance documentation required by Rule 62-701.710(7), F.A.C. (Rule 62-701.710(2)(j), F.A.C.).
12. Provide documentation to show that stormwater will be controlled according to the requirements of Rule 62-701.710(8), F.A.C.
13. Provide documentation to show that the applicant will comply with the recordkeeping requirements of Rule 62-701.710(9), F.A.C.
14. Provide a history and description of any enforcement actions by the applicant described in subsection 62-701.320(3), F.A.C. relating to solid waste management facilities in Florida. (Rules 62-701.710(2), F.A.C. and 62-701.320(7)(i), F.A.C.)

C. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

1. Applicant:

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


Signature of Applicant or Agent

601 SE 25th Street
Mailing Address

Dr. Lee A. Niblock, County Administrator
Name and Title (please type)

Ocala, FL, 34471
City, State, Zip Code

lee.niblock@marioncountyfl.org
E-Mail address (if available)

(352) 438-2300
Telephone Number

6/15/2012
Date

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

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

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


Signature

730 NE Waldo Road
Mailing Address

Carol G. Sawyer, PE, Project Engineer
Name and Title (please type)

Gainesville, FL, 32641
City, State, Zip Code

csawyer@jonesedmunds.com
E-Mail address (if available)

55214
Florida Registration Number
(please affix seal)

(352) 377-5821
Telephone Number

6/27/2012
Date

SUPPORTING INFORMATION

PART A
GENERAL INFORMATION

PART A GENERAL INFORMATION

This section summarizes the general information required on the Permit Application Form—FDEP Form 62-701.900(4), Part A.

The Marion County Board of County Commissioners owns the Baseline Landfill Transfer Station. The Transfer Station is operated by the Marion County Solid Waste Department. The Transfer Station began operations in November 2004 and consists of approximately 12 acres including the Transfer Station building, crew building, and surrounding parking and access roads. The facility accepts Class I and Class III waste; recyclables are not pulled from the waste stream (a separate recycling contract is in place). The facility is within the existing Baseline Landfill property at 5601 SE 66th Street, Ocala, Florida. A site location map is attached as Figure 1-1.

In accordance with Permit No.: SO42-0103935-009, the Transfer Station permit will expire on August 29, 2012; Specific Condition 22 requires the permit renewal application to be submitted at least 60 days before expiration. This application package serves as the permit renewal application.

The facility was designed so that the Transfer Station could readily accommodate waste collection vehicle traffic and waste volumes up to a maximum capacity of 1,200 tons per day (tpd). Historical waste rates have shown less than 600 tpd. The Transfer Station facility consists of an elevated collection vehicle unloading area and a lower-level transfer-trailer loading area. Leachate from the transfer-trailer loading area and the tipping floor is collected and pumped to the leachate collection system for the Baseline Landfill.

The initial operations included accepting waste from commercial haulers, private residents, and municipalities. The waste was loaded from the tipping floor into top-loading transfer trailers and transferred to Chesser Island Landfill in Folkston, Georgia. During the 2007 permit-renewal cycle, the County noted their plans to redirect a portion of the waste from the Transfer Station directly to the Baseline Landfill and reduce the operating hours of the Transfer Station. This operation began in June 2007.

In 2011, the Transfer Station operations were modified so that the facility would be used as a Citizens Drop-Off Area. The County revised their Operations Plan in March 2011 to include details of this alternate method of operation. The Citizens Drop-Off Area is used by commercial haulers and private residents that use non-mechanical hauling vehicles. The waste is deposited on the tipping floor, loaded into roll-off containers, and transported to the Baseline Landfill. The operating hours are the same as the landfill: 7:00 a.m. to 5:00 p.m., Monday through Saturday.

In 2015, the County plans to restart full operations at the Transfer Station and dispose of waste off site at a private, permitted Class I landfill in Sumter County, Florida. At that time, Baseline

Landfill will still have disposal capacity of approximately 5 years that will be maintained for emergencies.

This permit renewal application addresses the waste acceptance scenario based on maximum projected I tonnages through the Transfer Station through 2017. Operational procedures can be adjusted to allow for an increase or decrease in the quantity of waste processed at the facility.

ATTACHMENT A.1

**FIGURE 1-1
SITE LOCATION MAP**

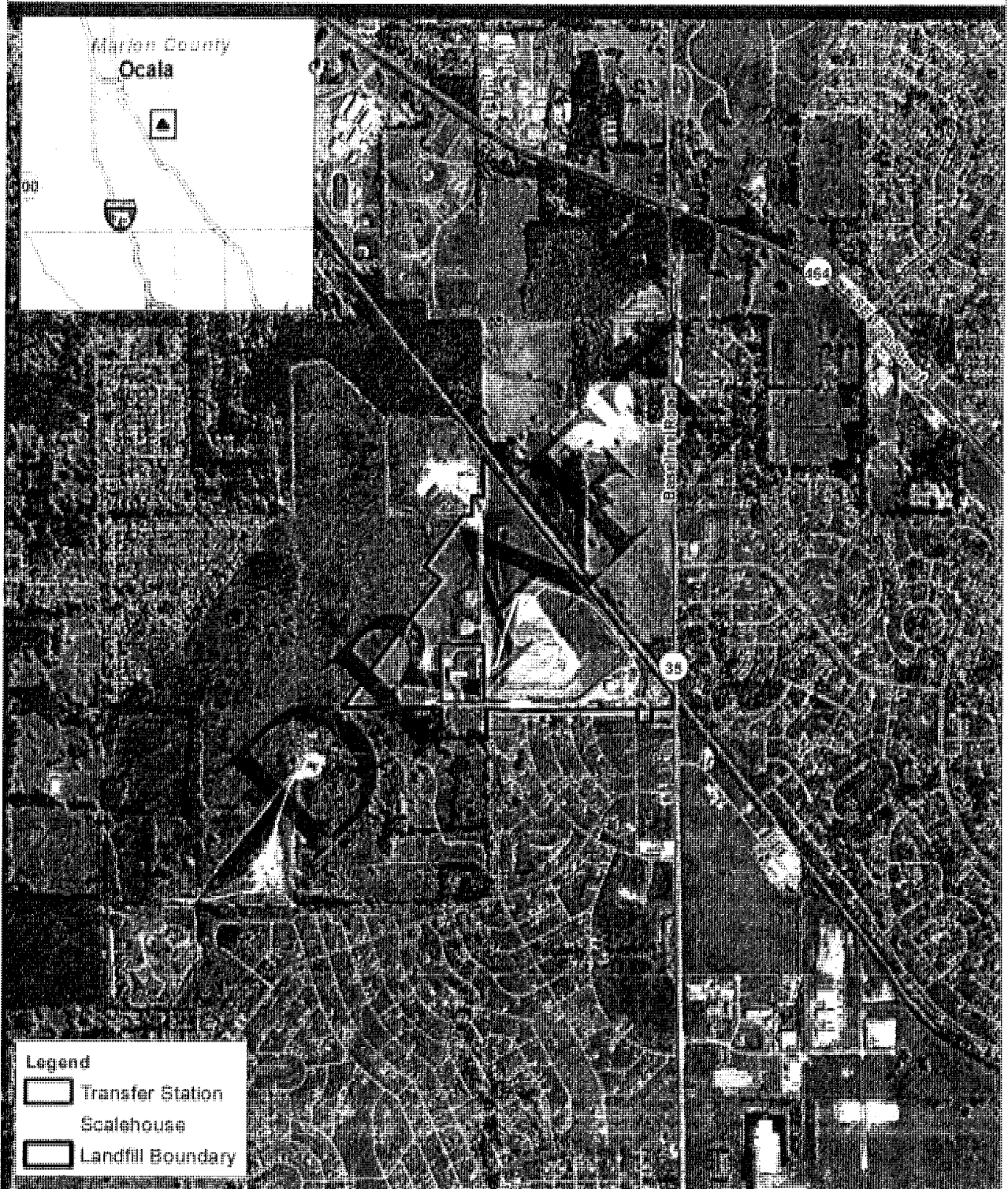
ATTACHMENT A.1

**FIGURE 1-1
SITE LOCATION MAP**

Figure 1-1

Site Location Map

Solid Waste Transfer Station Marion County, FL



JONES
EDMUNDS

PART B
ADDITIONAL INFORMATION

PART B ADDITIONAL INFORMATION

This section presents the additional information required on the Permit Application Form—FDEP Form 62-701.900(4), Part B.

1.0 SOLID WASTE TO BE COLLECTED, STORED, PROCESSED, OR DISPOSED

The following information is provided to meet the requirements of FDEP Rule 62-701.710(2)(a), FAC.

1.1 WASTE DESCRIPTION

The Transfer Station accepts solid waste as defined by FDEP Rule 62-701.200, FAC. The facility accepts Class I, Class III, and incidental construction and demolition debris (C&DD) solid waste. C&DD as a class of waste is not accepted at the facility. Mixed waste is not segregated during handling but is treated as Class I waste. Large recyclable metals, white goods, waste tires, and yard waste are not accepted at the Transfer Station. If unauthorized waste is found at the Transfer Station, it is removed and transferred to the proper disposal area. Refer to Section 5.0 for details on the on-site storage of recyclable materials, non-processable wastes, and unauthorized waste.

1.2 WASTE QUANTITY PROJECTIONS

The Transfer Station was designed for a maximum tonnage rate of 1,200 tons per day (tpd) of solid waste and has been permitted to process up to 600 tpd. Since the facility began operations in 2004, the average daily waste rate has been between approximately 250 and 600 tpd. This range in daily rates reflects periods when waste was diverted from the Transfer Station to the Baseline Landfill.

Based on recent negotiations, Marion County has entered into a contract to dispose of its Class I waste at the privately owned ACMS Class I Landfill in Sumter County. In late 2013 waste collected from the south part of the County will be hauled directly to the ACMS Landfill (approximately 30,000 tons per year or 100 tpd). In late 2015 the remaining County waste will go through the Transfer Station and be hauled to the ACMS Landfill.

Waste projections were calculated based on review of historical tonnages and population projections. Population projections were based on data published by the Bureau of Economic and Business Research, dated March 2012. Projections from 2015 through 2017 conservatively assumed that all waste would go through the Transfer Station. The Transfer Station can adequately handle the projected average daily tonnage rate. The waste projection calculations are provided in Attachment B.1.

2.0 SITE PLAN (SIGNED AND SEALED BY A PROFESSIONAL ENGINEER)

The following information is provided to meet the requirements of FDEP Rule 62-701.710(2)(b), FAC.

A site location map is provided in Part A, Attachment A.1. A full-size signed-and-sealed facility site plan is provided in Attachment B.2. The facility site plan shows relevant features and site details. The total acreage of the Transfer Station facility is approximately 12 acres. No wetlands or surface water bodies are on or within 200 feet of the site. The City of Belleview supplies water and sewer to the Administration Building and water to the Transfer Station. No potable wells are on site or within 500 feet of the site. No community water wells are within 1,000 feet of the site.

3.0 OPERATION AND FUNCTION OF PROCESSING EQUIPMENT

The following information is provided to meet the requirements of FDEP Rule 62-701.710(2)(c), FAC. Regular facility operations refer to the full operations of the Transfer Station. Exceptions are noted for current operations as a citizens' drop-off.

3.1 REGULAR FACILITY OPERATIONS

This section describes regular facility operations to meet requirements of FDEP Rule 62-701.710(2)(c)1, FAC.

The Transfer Station is owned by Marion County and operated by the Marion County Solid Waste Department. The facility is maintained by trained and certified transfer station operators and waste spotters. Trained operators and spotters are on site at all times that waste is received at the Transfer Station. Equipment operators are trained as Transfer Station operators and spotters to perform load inspection and waste-suitability screening and unauthorized waste identification and handling. The Transfer Station operations staff is responsible for safely operating the facility and meeting FDEP regulatory requirements.

Waste is handled on a first-in and first-out basis. Waste entering the Transfer Station is weighed before being unloaded on the tipping floor. The scale house attendant records the vehicle identifications and weights.

Vehicles enter the site at SE 66th Street at Baseline Road and proceed toward the scales. The collection vehicles and citizen vehicles stop at the scale to be weighed and then proceed to the enclosed Transfer Station. Collection vehicles enter the building on the east side; transfer trailers enter the tunnels on the north side of the Transfer Station and exit on the south side. The self-haul vehicles directed to the Transfer Station proceed to the Citizens Drop-Off Area on the south side of the Transfer Station, where waste is passed through a window into the Transfer Station building. Vehicles requiring hand-unloading are not allowed to enter the Transfer Station building. However, when the majority of the waste is being diverted from the Transfer Station

and it is being operated solely for Citizens Drop-Off Area, citizens are allowed in the building to dispose of their waste on the tipping floor.

The collection vehicles back into the tipping floor and dump the waste onto the tipping ramp. The loader operator, who is a trained spotter, observes the waste, spreading it as necessary to spot and remove unauthorized waste. The front-end loader pushes waste from the tipping floor to the transfer trailer by lifting the waste over the push wall. A knuckle-boom excavator assists in loading the trailers and in compacting the waste in the trailer.

When the Transfer Station is operating as a Citizens Drop-Off Area, vehicles back into the tipping floor and unload their waste. The waste is spotted and loaded into roll-off containers stored inside the building. When the containers are full they are transported to the Baseline Landfill for disposal.

The weight of the transfer trailer on the tunnel scale is displayed on the tipping floor to indicate when the transfer vehicle is full. Once filled, the transfer trailers are covered and parked in the trailer parking area north of the Transfer Station. The trucking contractor has the option of driving across the exterior scale while exiting the facility; the transfer vehicles are weighed again when entering the landfill. The trucking contractor delivers the waste to the receiving landfill for disposal. Once the transfer trailer is emptied at the landfill, the vehicle returns to the Transfer Station for re-filling.

3.1.1 Machinery and Equipment

The Transfer Station uses a variety of equipment for daily waste-handling operations. A front-end loader moves the waste from the tipping floor into the transfer trailers or roll-off containers (if operating as a Citizens Drop-Off Area). A wheel-mounted knuckle-boom excavator adjusts trailer payload and distributes waste with the trailer. A yard tractor moves empty and full transfer trailers within the facility. Typically, yard tractors ferry the trailers to and from the parking areas and loading tunnel. A front-end loader, brooms, and reclaimed-water-source hoses clean the tipping floor.

Routine equipment maintenance is performed on site. Major maintenance and repairs (engines, transmissions, and auxiliary drives) are handled at off-site service facilities. Contracts with suppliers are arranged to obtain equipment as needed.

3.1.2 Operating Hours

Waste is accepted at the Transfer Station Monday through Saturday, from 7:00 am to 5:00 pm. The facility is closed on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. Hours of operation may be extended in a natural disaster.

3.2 START-UP AND SHUT-DOWN OPERATIONS

The facility will not shut down unless there is an emergency. Section 3.9 of the Operations Plan (Attachment B.3) provides procedures for general shut-down and start-up. Section 6.0 of the Operations Plan (Attachment B.3) provides contingency procedures for operational and equipment interruptions, release of unauthorized waste, poor weather conditions, accidents, and fires. This section describes the general start-up and shut-down procedures to meet the requirements of FDEP Rule 62-701.710(2)(c)2, FAC.

Start-up Procedures are as follows:

- Inspect the site.
- Check scales for proper operations.
- Check communications equipment.
- Inspect the tipping floor and transfer tunnels for debris or loose materials.
- Coordinate staff to be sure that operators are ready to receive waste.

Shut-Down Procedures are as follows:

- Clean the transfer area, including clearing the unloading area of loose debris or unauthorized materials to appropriate storage areas.
- Cover the transfer trailers that are partially filled and will remain on site.
- Shut down the equipment and scales and store equipment and vehicles in appropriate areas.
- Inspect cleanup of the site and make sure no personnel remain in the facility.
- Lock the facility gates.

Normal operating procedure is to remove all litter and loose debris from the transfer loading tunnel and tipping floor daily or at the time of an unscheduled shut-down. The following Litter Control Procedures are followed to contain and clean up litter debris:

- Collect litter around the building.
- Collect litter on the tipping floor.
- Collect litter on the lower-level transfer loading area.
- Place collected litter in an available transfer trailer or waste container for proper disposal.

If the Transfer Station is shut down, waste is taken to the Baseline Landfill or alternate permitted disposal facilities.

3.3 SAFETY AND CONTROL METHODS

This section describes potential safety hazards and facility controls and procedures to ensure optimum and safe operations to meet requirements of FDEP Rule 62-701.710(2)(c)3, FAC.

3.3.1 Potential Safety Hazards

Detailed safety and control methods and a list of emergency contacts are covered in Section 6.0, Contingency Plan of the Operations Plan (Attachment B.3). The following potential safety hazards are described in detail in the Contingency Plan:

- Operational and equipment interruptions.
- Release of unauthorized waste.
- Poor weather conditions.
- Accidents.
- Fires.

3.3.2 General Safety Procedures

Detailed general safety procedures are covered in Section 7.0, Facility Controls of the Operations Plan (Attachment B.3). The following general facility safety procedures are described in the Operations Plan:

- Litter, Insect, Odor, and Vector Control.
- Building Dust Control.

4.0 DESCRIPTION OF LOADING, UNLOADING, STORAGE, AND PROCESSING AREAS

This section describes the facility areas to meet requirements of FDEP Rule 62-701.710(2)(d), FAC.

Procedures for loading, unloading, storage, and processing are described in Section 3.0, Facility Operations of the Operations Plan (Attachment B.3). The following summarizes the loading, unloading, storage, and processing areas:

- Scale: All vehicles enter the site at the entrance at SE 66th Street at Baseline Road and proceed to the scale for weighing.
- Tipping Floor: Collection vehicles proceed to the enclosed Transfer Station to unload on the tipping floor. Vehicles enter on the east side of the building and back into place on the tipping floor. The collection vehicles unload the waste onto the tipping floor. The loader operator, who is also a trained spotter, observes the waste, spreading it as necessary to spot and remove unauthorized waste. The loader pushes waste from the tipping floor to the transfer trailer by lifting the waste over the push wall.

If the facility is being operated as a Citizens Drop-Off Area, the same general unloading and spotting procedures are followed except that waste is loaded into roll-off containers.

- Tipping Floor Storage Zone: Waste unloaded on the tipping floor may be moved to a storage zone before being loaded into the transfer trailers.
- Unauthorized Waste Storage Zone: Observed unauthorized waste inadvertently unloaded on the tipping floor is pulled out by the loader operator and temporarily stored in the unauthorized waste storage container for later removal and proper disposal. This area is protected from the general operations. Unauthorized waste is not accepted at the Transfer Station; however, if unauthorized waste is inadvertently unloaded on the tipping floor, it is removed from the waste and properly disposed as described in Section 3.11.3 of the Operations Plan, Handling of Unauthorized Waste (Attachment B.3).
- Transfer Trailer Loading Tunnel: Transfer trailers enter the tunnels on the west side of the Transfer Station. Yard trucks are available to move transfer trailers when necessary. Transfer trailers may be stored in the parking area in back of the Transfer Station.

5.0 IDENTIFICATION AND CAPACITY OF ON-SITE STORAGE AREAS FOR RECYCLABLE MATERIALS, NON-PROCESSABLE WASTES, UNAUTHORIZED WASTES, AND RESIDUES

This section describes the facility storage areas to meet requirements of FDEP Rule 62-701.710(2)(e), FAC.

The type of waste brought to the Transfer Station is solid waste as defined by FDEP Rule 62-701.200, FAC. Unauthorized waste includes incidental metals, white goods, waste tires, yard waste, hazardous waste, and electronic waste from businesses or institutions. Unauthorized wastes found in the waste at the Transfer Station tipping floor are segregated from the processed waste and temporarily stored on site in a specified storage area on the tipping floor before being processed and disposed of. Incidental metals, white goods, and waste tires are handled as recyclable or recoverable materials.

Electronic waste from businesses or institutions is not accepted at the Transfer Station and if found in the waste is handled as an unmarketable recyclable waste. Refer to Section 6.1.

Temporary storage containers are emptied when full and are not stored for more than 30 days.

5.1 WHITE GOODS AND RECYCLABLE MATERIALS

White goods are not accepted at the Transfer Station. However, if white goods are found in the waste, they are removed and temporarily stored in an area north of the Transfer Station. The White Goods Storage Area is constructed on an approximately 175-foot-by-200-foot concrete pad that holds white goods and large metal recyclable materials that cannot be processed through the Recycling Center at the adjacent Baseline Landfill.

Marion County contracts with Florida Refrigeration & Equipment, Inc., to remove refrigerants from white goods collected at the Baseline Landfill or the Transfer Station facility. Items that contain refrigerant are stored upright to avoid breaking or puncturing refrigerant lines. After refrigerants are removed, white goods are transferred off site to a contracted scrap metal recycler (Ocala Recycling Inc.).

5.2 WASTE TIRES

Waste tires are not accepted at the Transfer Station. However, if waste tires are found in the waste, they are temporarily stored in accordance with the current Baseline Landfill operations permit. The Waste Tire Storage Area includes an approximately 200-foot-by-175-foot concrete pad surrounded by a concrete curb and is north of the Transfer Station next to the White Goods Storage Area.

5.3 YARD TRASH

Yard trash is not accepted at the Transfer Station. Yard trash is directed to a yard trash processing facility.

5.4 HAZARDOUS WASTE

Hazardous wastes are not processed at the facility and are considered unauthorized waste. Hazardous wastes found in the waste are segregated and transferred to proper containers that are collected and disposed of off site by a licensed company under contract with the County in accordance with applicable regulations.

If any regulated hazardous wastes are discovered to be improperly deposited at the Transfer Station, the operator shall promptly notify FDEP. After such an incident, the operator records the following information:

- Date and time unauthorized waste is discovered.
- Date and time the local health officer and authorities are notified.
- Quantity of waste.
- Origin of waste.
- Name, address, phone number, and permit number of the person(s) who deposited the waste, if known.

- Type of waste discovered.
- Other information concerning the incident that is known by the operator.

6.0 PLAN FOR DISPOSAL OF UNMARKETABLE RECYCLABLE MATERIALS AND RESIDUES AND WASTE-HANDLING IN THE EVENT OF BREAKDOWNS IN OPERATIONS OR EQUIPMENT

This section describes the plan for disposing of materials in the event of breakdowns in operation of equipment to meet requirements of FDEP Rule 62-701.710(2)(f), FAC.

6.1 UNMARKETABLE RECYCLABLE MATERIALS

Unmarketable recyclable materials that are not hazardous or exempt—such as computers, televisions, and other electronic equipment received from residential or household sources—are transported to the disposal facility with the other solid waste. Electronic waste from a business, commercial, institutional, or other non-household source is not accepted at the Transfer Station. Electronic waste is accepted at the County-owned Recycling Center at Baseline Landfill.

6.2 RESIDUES

Residues produced from cleaning the Transfer Station and leachate collection system are disposed of as Class I waste.

6.3 WASTE-HANDLING IN THE EVENT OF BREAKDOWNS

Due to the availability of spare or redundant equipment, disruptions in operation resulting from mechanical failure are unlikely. If the Transfer Station is inoperable or a portion of the Transfer Station is inoperable, several methods of contingency operation can be implemented:

- The collection vehicles may be sent directly to the Baseline Landfill or alternate contracted disposal facility.
- If the transfer trailer tunnel is inoperable, the waste may be deposited on the tipping floor and loaded (lifted by front-end loader) into transfer trailers on the tipping floor.
- If the contracted disposal facility is unable to accept waste, an alternate facility is used.

Sufficient back-up equipment is available to allow continued operations if equipment breaks down and for downtime because of normal routine equipment maintenance. If major equipment fails, the Transfer Station operator uses rental equipment as necessary. Arrangements have been made with contractors and dealers to furnish equipment on short-term notice.

The County or a County-contracted equipment maintenance contractor performs equipment maintenance.

7.0 BOUNDARY SURVEY, LEGAL DESCRIPTION, AND TOPOGRAPHIC SURVEY

No changes have been made to the site boundary, legal description, or topographic survey of the site. The Transfer Station site plan is provided in Attachment B.2.

8.0 DESIGN REQUIREMENTS

This section describes the Transfer Station design to meet requirements of FDEP Rule 62-701.710(3), FAC.

Tipping, processing, sorting, storage, and compaction areas are enclosed in a building with a ventilation system.

The leachate collection and control system is designed to prevent leachate from discharging and mixing with stormwater. Leachate produced from this facility is confined to the tipping floor and the transfer vehicle loading area. The leachate from these areas is collected and pumped to the leachate collection system for Baseline Landfill. The site is also designed with proper drainage to prevent standing water from accumulating in accordance with Environmental Resource Permitting (ERP) requirements (see Section 12.0).

All waste entering the Marion County Solid Waste Facility is weighed at the scale house before being dumped on the tipping floor. County personnel maintain weight records at the scale house.

The Transfer Station was designed to accommodate 120-cubic-yard transfer trailers and to accept up to a maximum of approximately 1,200 tons per day of waste. Storage areas were designed to hold the expected volume of materials until they are transferred for disposal or recycling.

9.0 OPERATIONAL REQUIREMENTS

The Operations Plan (Attachment B.3) is provided to meet the requirements of FDEP Rule 62-701.710(2)(h), FAC.

The Operations Plan describes the facility operations and how facility operations meet requirements of Chapter 62-701.710(4). The Operations Plan includes a General Operations Plan, Operator and Spotter Training Plan, and a Contingency Plan to cover operational procedures in case of interruptions and emergencies. The Operations Plan includes procedures for inspecting waste and handling unauthorized waste. The Operations Plan includes storage requirements and provisions for control of vectors and odors.

The Plan includes operations for when the Transfer Station is operating at its full capacity and when the waste is diverted to the Baseline Landfill and the Transfer Station is used as a Citizens Drop-Off Area.

The Operations Plan is a stand-alone document stored on site and reviewed by all employees. The Operations Plan will be updated as operations change but no less frequently than when the operations permit is renewed.

10.0 CLOSURE PLAN

This section describes the Closure Plan to meet the requirements of FDEP Rule 62-701.710(2)(i) and 62-701.710(6), FAC.

The general procedures for closing the Transfer Station are as follows:

- FDEP will be notified in writing of the date that the facility will receive the last shipment of waste.
- Within 30 days of this date, all waste received, including recyclable materials, will be transported to facilities meeting requirements of FDEP Rule 62-701, FAC.
- The closure will be completed within 180 days of receiving the final shipment of waste. Closure will include removing all recovered materials from the site.
- When closure is completed, the closure will be certified in writing to FDEP.
- FDEP will inspect the facility within 30 days to verify the closure and advise the facility of the closure status.

11.0 FINANCIAL ASSURANCE

According to FDEP Rule 62-701.710(10)(a), FAC, transfer stations that primarily accept household waste, commercial waste, recovered materials, or construction and demolition debris and manage waste on a first-in, first-out basis and store waste for no greater than 7 days are exempt from the requirement to provide financial assurance in FDEP Rule 62-701.710(7), FAC. Thus, closing costs and long-term care costs for this transfer station are not required because the facility operates on a first-in, first-out basis and waste is not store for greater than 7 days. All operations at the facility will cease at closure, and no waste will be present at the time of closure.

12.0 STORMWATER CONTROL

In accordance with FDEP Rule 62-701.710(8), FAC, stormwater is managed and controlled according to the existing ERP 42-019435-002-EM.

13.0 RECORDKEEPING COMPLIANCE

This section documents that the applicant will comply with the recordkeeping requirements of FDEP Rule 62-701.710(9), FAC. Operational records are maintained at the Transfer Station facility and are compiled monthly. Records are retained at the facility for 3 years and are available for inspection by FDEP. Daily operational records include the following for each type of solid waste (Class I and III):

- Log of the quantity of solid waste received, processed, stored, and removed for recycling or disposal and the origin of waste if known.
- Log of unauthorized waste tonnage diverted.
- Log of the quantity of solid waste transported off site via transfer vehicles.

14.0 HISTORY OF ENFORCEMENT ACTIONS

The Transfer Station does not have a history of enforcement actions relating to solid waste management facilities in Florida.

ATTACHMENT B.1

WASTE PROJECTION CALCULATIONS



PROJECT NUMBER: 13150-193-01
 PROJECT NAME: Baseline Transfer Station Permit Renewal
 Marion County
 SUBJECT: Waste and Population Projections
 BY: C.Sawyer Date: 05/08/2012
 CHECKED BY: M.Pollman Date: 05/18/2012

Population and Waste Production Projections 2012 - 2017					
Year	Annual Population Growth Rate ¹ (%)	Projected Population ²	Tonnage Data ^{3,4,5} (tons/year)	Transfer Station Annual Days of Operation ⁶ (days)	Average Daily Waste Rate (tons/day)
2004	--	--	4,885	19	257
2005	--	--	106,914	255	419
2006	--	--	132,858	255	521
2007	--	--	92,621	255	363
2008	--	--	4,181	255	16
2009	--	--	--	--	--
2010	--	331,298	--	--	--
2011	--	331,745	--	--	--
2012	1.5	336,721	--	--	--
2013	1.5	341,772	--	--	--
2014	1.5	346,899	--	--	--
2015	1.5	352,102	119,108	306	389
2016	1.5	357,384	120,895	306	395
2017	1.5	362,744	122,708	306	401

Notes:

1. Estimated population growth rate based on Bureau of Economic and Business Research (BEBR), Projections of Florida Population by County, 2011-2040 (dated March 2012). Projection based on medium growth rates.
2. Projections for 2012 through 2017 based on BEBR published estimated population for 2011 increased at a constant growth rate (calculated at 1.5%).
3. Tonnage data through the transfer station for 2004 through 2008 provided by Marion County Solid Waste Division. No tonnage went through the transfer station in 2009 through 2011. The transfer station will be in full operation starting in 2015.
4. In 2015 all waste will be disposed of at the ACMS Class I landfill. In 2013 a portion of waste from the southern part of the County will be hauled directly to the ACMS Landfill. The remaining waste will go to Baseline Landfill.
5. The projected tonnage for 2015 through 2017 was conservatively calculated assuming all the waste was going through the transfer station. At the calculated tonnage rate the transfer station has more than enough capacity to handle the waste.
6. Transfer station is operated Monday - Saturday
 Transfer station is closed on 6 major holidays
 Total days per year that the transfer station is open: 306

Projections of Florida Population by County, 2011–2040

Stanley K. Smith, Population Program Director
Stefan Rayer, Research Demographer

Florida has been a rapidly growing state for many years. The 2010 Census showed that the permanent resident population grew by more than 2.8 million between 2000 and 2010, an increase of 17.6%. Although this increase was not quite as large as those occurring in the 1970s, 1980s, and 1990s, the numeric increase was still the third largest among the 50 states and the percent increase was the eighth largest. Sixty-five counties gained population during the decade, with four growing by more than 50% and another twenty growing by at least 20%. Only two counties lost population between 2000 and 2010.

Growth rates varied considerably during the decade, not only from county to county but also from year to year. Fueled by an expanding economy and a booming housing market, population increases from 2003–2006 were among the largest in Florida's history. As economic growth slowed and the housing market cooled later in the decade, population growth declined as well, reaching its lowest levels in more than 60 years. Population growth from 2010 to 2011 remained at historically low levels, with Florida's population increasing by less than 104,000.

The collapse of the housing market and the lingering effects of the worst economic crisis since the 1930s are likely to keep the state's population growth at relatively low levels for another year or two. We expect growth to increase thereafter, reaching levels more in line with historical patterns by the middle of the decade. For many counties, however, future increases are likely to be smaller than those occurring during the last several decades. We project Florida's population growth to average approximately 222,000 per year this decade, 255,000 per year from 2020 to 2030, and 228,000 per year from 2030 to 2040.

The dramatic shifts in state and county population growth rates over the past few years illustrate the uncertain nature of population projections. To account for this uncertainty, we publish three series of projections. We believe the medium series is the most likely to provide accurate forecasts in most circumstances, but the low and high series provide an indication of uncertainty surrounding the medium series. These alternative scenarios – along with information from other data sources – should be considered when using projections for planning purposes. It should be noted that these projections refer solely to permanent residents of Florida; they do not include tourists or seasonal residents.

State projections

The starting point for the state-level projections were the 2010 Census counts by age, sex, race, and ethnicity as reported by the U.S. Census Bureau. Projections were made using a cohort-component methodology in which births, deaths, and migration were projected separately for each age-sex group, by race (white, nonwhite) and ethnicity (Hispanic, non-Hispanic). Survival rates were applied to each age-sex-race-ethnicity group to project future deaths in the population. These rates

Note: These revised projections replace the projections published last month. The revisions were based on recent changes in plans to close several state prisons in Florida. They had a substantial impact on the projections for Jefferson County, but little or no impact on the projections for any other county. The revisions had no impact on the state projections.

were based on Florida Life Tables for 2004–2006, calculated by the Bureau of Economic and Business Research using mortality data published by the Office of Vital Statistics in the Florida Department of Health. The survival rates were adjusted upward in 2010, 2015, 2020, 2025, 2030, and 2035 to account for projected increases in life expectancy (U.S. Census Bureau, Population Division Working Paper No. 38, 2000).

Domestic migration rates by age, sex, race, and ethnicity were based on migration data for 1995–2000 as reported in the 2000 Census. Domestic in-migration rates were calculated by dividing the number of persons moving to Florida from other states by the mid-decade population of the United States (minus Florida). Domestic out-migration rates were calculated by dividing the number of persons leaving Florida by Florida’s mid-decade population. In both instances, rates were calculated separately for males and females by race and ethnicity for each five-year age group up to 85+.

These in- and out-migration rates were weighted to account for changes in migration patterns and to provide alternative scenarios of future population growth. For each of the three series, projections of domestic in-migration were made by applying weighted in-migration rates to the projected population of the United States (minus Florida), using the most recent set of national projections produced by the U.S. Census Bureau. Projections of out-migration were made by applying weighted out-migration rates to the Florida population.

Projections of foreign immigration were also based on data from the 2000 Census. For the high series, foreign immigration was projected to exceed the 1995–2000 level by 10% in 2010–2015 and by 25% during each five-year interval thereafter. For the medium series, foreign immigration was projected to remain at the 1995–2000 level in 2010–2015 and to exceed that level by 10% during each five-year interval thereafter. For the low series, foreign immigration was projected to be 10% less than the 1995–2000 level for each five-year interval after 2010. Foreign emigration was assumed to equal 22.5% of foreign immigration for each series of projections. The distribution of foreign immigrants by age, sex, race, and ethnicity was based on the patterns observed between 1995 and 2000.

Net migration is the difference between the number of in-migrants and the number of out-migrants. Reflecting the recent slowdown in migration to Florida, the medium projections imply net migration levels (including both domestic and foreign migrants) of 101,000 per year between 2010 and 2015 and between 206,000 and 214,000 per year thereafter. The high series implies net migration levels of 231,000 per year between 2010 and 2015 and 284,000–296,000 per year thereafter. The low series implies net migration levels of 26,000 per year between 2010 and 2015 and 118,000–147,000 per year thereafter. To put these numbers into perspective,

net migration averaged 260,000–280,000 per year during the 1970s, 1980s, and 1990s and 230,000 per year between 2000 and 2010.

Projections were made in five-year intervals, with each projection serving as the base for the following projection. Projected in-migration for each five-year interval was added to the survived Florida population at the end of the interval and projected out-migration was subtracted, giving a projection of the population age five and older. Births were projected by applying age-specific birth rates (adjusted for child mortality) to the projected female population of each race/ethnicity group. These birth rates were based on Florida birth data for 2004–2006 and imply a total fertility rate of approximately 1.8 births per woman for non-Hispanic whites, 2.3 for non-Hispanic nonwhites, and 2.4 for Hispanics. In the low and medium series, birth rates were projected to remain constant at 2004–2006 levels for non-Hispanic whites and to decline gradually over time for Hispanics and non-Hispanic nonwhites. In the high series, birth rates were projected to remain constant at 2004–2006 levels for all three race/ethnicity groups.

Natural increase is the excess of births over deaths. In Florida, natural increase is currently about 42,000 per year. Our medium projections imply that it will decline slowly over time, reaching 9,000 per year in 2035–2040. Our high projections imply that natural increase will rise to 90,000 per year in 2015–2020 before falling to 66,000 in 2035–2040. Our low projections show natural increase falling steadily over time, reaching -3,000 per year in 2035–2040 (i.e., deaths will exceed births).

As a final step, projections for non-Hispanic whites, non-Hispanic nonwhites, and Hispanics were added together to provide projections of the total population. The medium projection of total population in 2015 was adjusted to be consistent with the most recent state population forecast produced by the State of Florida’s Demographic Estimating Conference. None of the projections after 2015 had any further adjustments.

County projections

The cohort-component method is a good way to make population projections at the state level, but is not necessarily the best way to make projections at the county level. Many counties in Florida are so small that the number of persons in each age-sex-race-ethnicity category is inadequate for making reliable cohort-component projections. Even more important, county growth patterns are so volatile that a single technique based on data from a single time period may provide misleading results. We believe more useful projections of total population can be made by using several different techniques and historical base periods.

For counties, we started with the population estimate produced by the Bureau of Economic and Business Research for April 1, 2011. We made projections for 2015 for each county using five different techniques. After 2015, the projections were made in five-year intervals. The five techniques were:

1. Linear – the population will change by the same number of persons in each future year as the average annual change during the base period.
2. Exponential – the population will change at the same percentage rate in each future year as the average annual rate during the base period.
3. Share-of-growth – each county’s share of state population growth in the future will be the same as its share during the base period.
4. Shift-share – each county’s share of the state population will change by the same annual amount in the future as the average annual change during the base period.
5. Constant population – each county’s population will remain constant at its 2011 value.

For the linear and share-of-growth techniques we used base periods of five, ten, and fifteen years (2006–2011, 2001–2011, and 1996–2011), yielding three sets of projections for each technique. For the exponential and shift-share techniques we used a single base period of ten years (2001–2011), yielding one set of projections for each technique. The constant population technique was based on data for a single year (2011).

This methodology produced nine projections for each county for each projection year (2015, 2020, 2025, 2030, 2035, and 2040). From these we calculated three averages: one using all nine projections, one that excluded the highest and the lowest projection, and one that excluded the two highest and the two lowest projections. In 62 counties the medium projection was based on the average in which the two highest and the two lowest projections were excluded. In Escambia and Okaloosa counties we used an average of projections made with the share-of-growth technique and base periods of 10 and 15 years; in Franklin County we used the share-of-growth technique and a base period of 10 years; in Monroe County we used an average of projections made with the constant population technique and the share-of-growth technique with a base period of 15 years; and in Pinellas County we used an average of projections made with the constant population technique and the share-of-growth technique with a base period of 10 years. In all counties, the projections were adjusted to be consistent with the total population change implied by the state projections.

We also made adjustments in several counties to account for changes in institutional populations such as university students and prison inmates. Adjustments were made only in counties in which institutional populations account for a large proportion of total population or where changes in the institutional population have been substantially different than changes in the rest of the population. In the present set of projections, adjustments were made for Alachua, Baker, Bradford, Calhoun, Columbia, DeSoto, Dixie, Franklin, Gadsden, Gilchrist, Glades, Gulf, Hamilton, Hardee, Hendry, Holmes, Jackson, Jefferson, Lafayette, Leon, Liberty, Madison, Okeechobee, Santa Rosa, Sumter, Suwannee, Taylor, Union, Wakulla, Walton, and Washington counties.

Range of projections

The techniques described above were used to produce the medium series of county projections. This is the series we believe will generally provide the most accurate forecasts of future population change. We also produced low and high projections to provide an indication of the uncertainty surrounding the medium county projections. The low and high projections were based on analyses of past population forecast errors for counties in Florida, broken down by population size and growth rate. They indicate the range into which approximately three-quarters of future county populations will fall, if the future distribution of forecast errors is similar to its past distribution.

The range between the low and high projections varies according to a county’s population size in 2011 (less than 25,000; 25,000 to 199,999; and 200,000 or more), rate of population growth between 2001 and 2011 (less than 20%; 20–39%; and 40% or more), and the length of the projection horizon (mean absolute percent errors grow with the length of the projection horizon). Our studies have found that the distribution of absolute percent errors tends to remain fairly stable over time, leading us to believe that the low and high projections provide a reasonable range of errors for most counties. It must be emphasized, however, that the actual future population of any given county could be above the high projection or below the low projection.

For the medium series of projections, the sum of the county projections equals the state projection for each year (except for slight differences due to rounding). For the low and high series, however, the sum of the county projections does not equal the state projection. The sum of the low projections for counties is lower than the state’s low projection and the sum of the high projections for counties is higher than the state’s high projection. This occurs because potential variation around the medium projection is greater for counties than for the state as a whole.

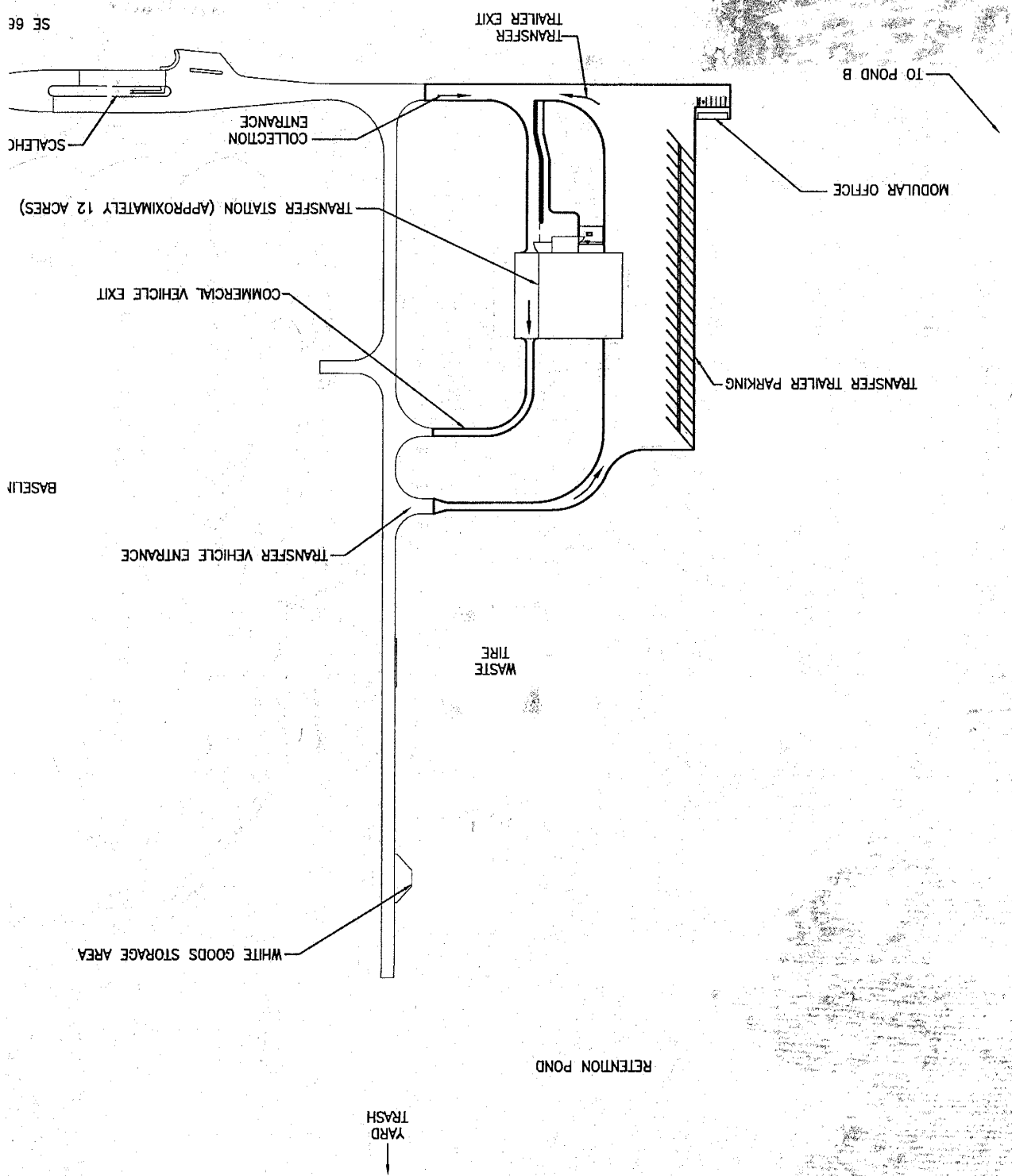
Acknowledgement: Funding for these projections was provided by the Florida Legislature.

Projections of Florida Population by County, 2011--2040 (continued)

County and State	Estimates April 1, 2011	Projections, April 1					
		2015	2020	2025	2030	2035	2040
HOLMES	19,901						
Low		18,600	18,200	17,700	17,200	16,600	16,000
Medium		20,200	20,700	21,100	21,500	21,900	22,300
High		21,800	23,200	24,500	25,800	27,100	28,500
INDIAN RIVER	138,694						
Low		137,500	142,800	146,800	149,400	150,800	151,100
Medium		145,600	158,500	170,900	182,600	193,600	204,100
High		155,000	174,500	194,600	215,000	235,900	257,300
JACKSON	49,964						
Low		47,400	46,200	45,000	43,700	42,400	41,100
Medium		50,500	50,800	51,100	51,500	51,800	52,100
High		53,500	55,400	57,300	59,200	61,100	63,000
JEFFERSON	14,666						
Low		13,800	13,700	13,500	13,300	13,000	12,600
Medium		15,000	15,600	16,100	16,600	17,100	17,600
High		16,200	17,400	18,700	20,000	21,200	22,500
LAFAYETTE	8,752						
Low		8,400	8,400	8,400	8,300	8,200	8,100
Medium		9,100	9,500	10,000	10,400	10,800	11,200
High		9,800	10,700	11,600	12,500	13,400	14,400
LAKE	298,265						
Low		303,900	326,000	344,000	358,100	368,200	374,900
Medium		321,200	361,800	400,800	437,800	472,800	506,400
High		342,700	398,400	456,100	515,300	575,900	638,300
LEE	625,310						
Low		638,900	687,800	727,900	759,300	782,100	797,500
Medium		675,000	763,200	848,000	928,500	1,004,500	1,077,300
High		720,400	840,600	964,900	1,092,700	1,223,300	1,357,900
LEON	276,278						
Low		266,800	269,700	271,400	272,000	271,300	269,600
Medium		283,200	296,200	308,700	320,300	331,100	341,200
High		300,800	323,000	345,500	367,900	390,400	412,900
LEVY	40,767						
Low		40,100	41,600	42,900	43,900	44,600	45,100
Medium		42,500	45,700	48,800	51,800	54,500	57,100
High		45,200	49,900	54,600	59,400	64,200	69,100
LIBERTY	8,370						
Low		8,600	8,700	8,800	8,800	8,800	8,700
Medium		9,300	9,900	10,500	11,100	11,600	12,100
High		10,100	11,100	12,100	13,200	14,400	15,500
MADISON	19,298						
Low		17,900	17,200	16,500	15,800	15,100	14,400
Medium		19,400	19,600	19,700	19,800	19,900	20,000
High		21,000	21,900	22,800	23,700	24,700	25,600
MANATEE	325,905						
Low		322,500	333,900	342,600	348,200	350,900	351,100
Medium		341,600	370,700	398,900	425,500	450,400	474,400
High		363,600	408,100	454,200	501,100	548,800	597,900
MARION	331,745						
Low		332,400	349,800	363,200	373,000	379,400	382,600
Medium		351,800	388,300	423,000	455,900	487,100	516,900
High		374,900	427,500	481,400	536,800	593,400	651,500
MARTIN	146,689						
Low		142,900	146,500	149,300	151,200	152,200	152,500
Medium		151,600	160,900	169,800	178,100	185,800	193,000
High		161,200	175,500	190,000	204,500	219,000	233,600

ATTACHMENT B.2
FACILITY SITE PLAN
(FULL-SIZE)

NO.	DATE	DESCRIPTION



ATTACHMENT B.3
OPERATIONS PLAN

**MARION COUNTY
SOLID WASTE TRANSFER STATION
OPERATIONS PLAN**

Prepared for:

MARION COUNTY BOARD OF COUNTY COMMISSIONERS
5601 SE 66th Street
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Presented to:

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June 2012

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1.0 INTRODUCTION

This Operations Plan for the Marion County Transfer Station was prepared in accordance with applicable sections of Florida Department of Environmental Protection (FDEP) Rule 62-701.710, FAC – Waste Processing Facilities. The following sections provide information required in FDEP Rule 62-701.710(4). Activities at the facility will be performed in general accordance with this Plan, which will be updated as operations change and will be maintained at the facility.

1.1 SITE INFORMATION

The Transfer Station is owned by Marion County and operated by the Marion County Solid Waste Department. The Transfer Station began operations in November 2004 and consists of approximately 12 acres including the Transfer Station building, crew building, surrounding parking and access roads. The facility accepts Class I and Class III waste; recyclables are not pulled from the waste stream (a separate recycling contract is in place). The facility is within the existing Baseline Landfill property at 5601 SE 66th Street, Ocala, Florida. Figure 1.1 is a site location map.

The facility processes residential and commercial solid waste and was designed for a maximum capacity of 1,200 tpd. In 2004 the facility was permitted to accommodate up to 600 tons per day (tpd) of solid waste. In 2007 a portion of the waste was diverted from the Transfer Station to the Baseline Landfill, and the average waste processing rate at the Transfer Station was approximately 360 tpd. In 2011 additional waste was diverted from the Transfer Station to the Baseline Landfill, and the Transfer Station was used primarily as a Citizens Drop-off Area (used by commercial haulers and private residents that use non-mechanical hauling vehicles) with an average waste processing rate of less than 50 tpd.

Based on recent negotiations, Marion County entered into a contract to dispose of its Class I waste at the privately owned ACMS Class I Landfill in Sumter County. In late 2013 waste collected from the south part of the County will be hauled directly to the ACMS Landfill (approximately 30,000 tons per year [tpy] or 100 tpd). In late 2015 the remaining County waste (approximately 100,000 tpy or 425 tpd) will go through the Transfer Station and be hauled to the ACMS Landfill.

The Transfer Station is an open-top transfer system. Solid waste from the collection vehicles and citizens is deposited onto the tipping floor and loaded into transfer vehicles at a level lower than the tipping floor. Figure 1.2 illustrates the open-top technology concept, and Figure 1.3 illustrates the general facility site plan and layout. When the facility is used as a Citizens Drop-Off Area, waste is deposited on to the tipping floor and loaded into roll-off containers and disposed of at the Baseline Landfill. Figure 1.4 illustrates the layout of the Citizens Drop-Off Area.

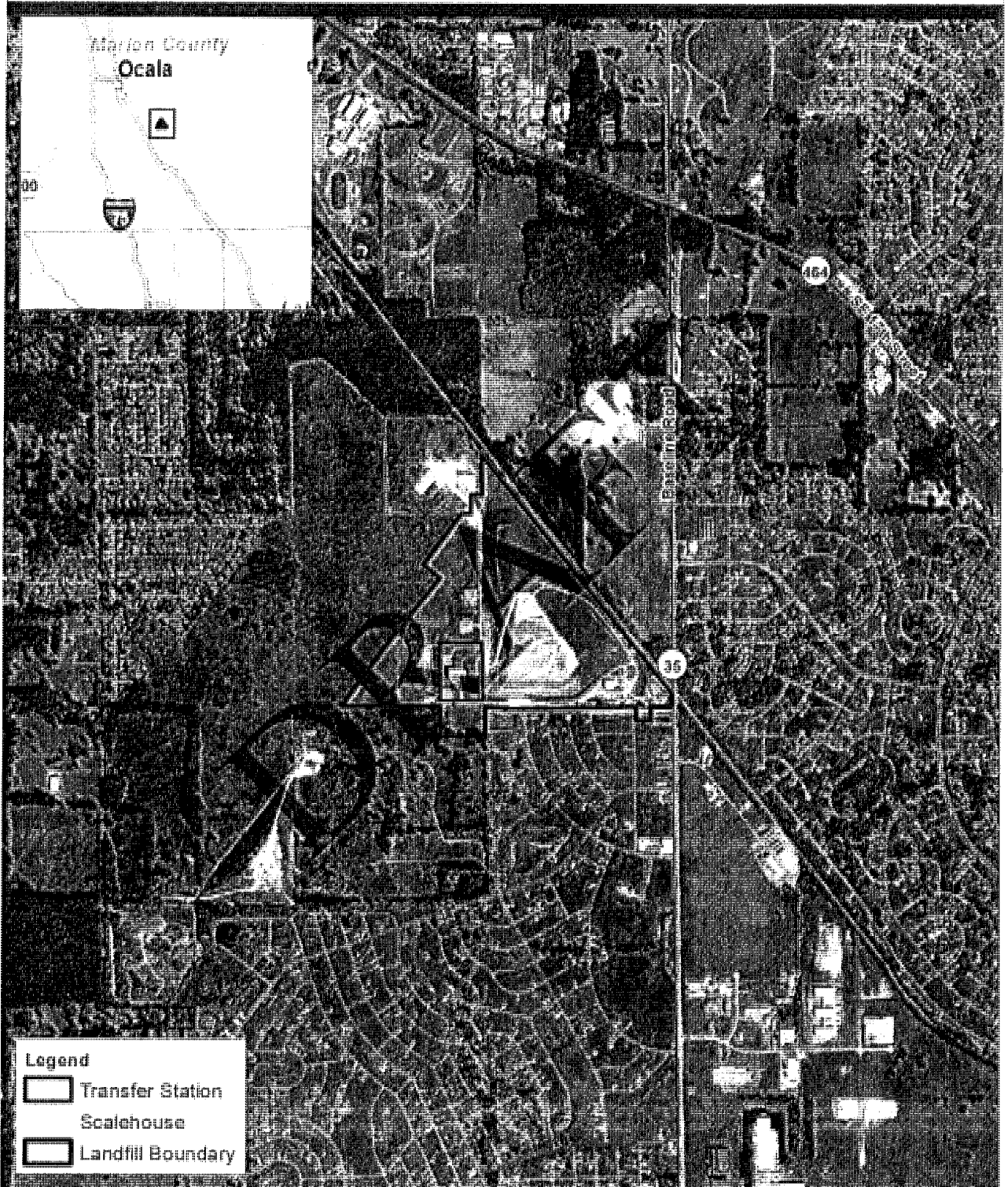
Appropriate signs are used and maintained to provide safety, efficiency, and general information. Signage includes traffic flow, facility name, hours of operation, prohibitions, and conditions of

disposal. Vehicles entering and exiting Baseline Road at SE 66th Street are controlled by a traffic signal. The site has a security fence to prevent unauthorized access. The gate is closed and securely locked when the site is closed.

Figure 1-1

Site Location Map

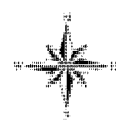
Solid Waste Transfer Station Marion County, FL



Legend

- Transfer Station
- Scalehouse
- Landfill Boundary

0 1,000 2,000
Feet
1:24,000



OPEN-TOP TECHNOLOGY

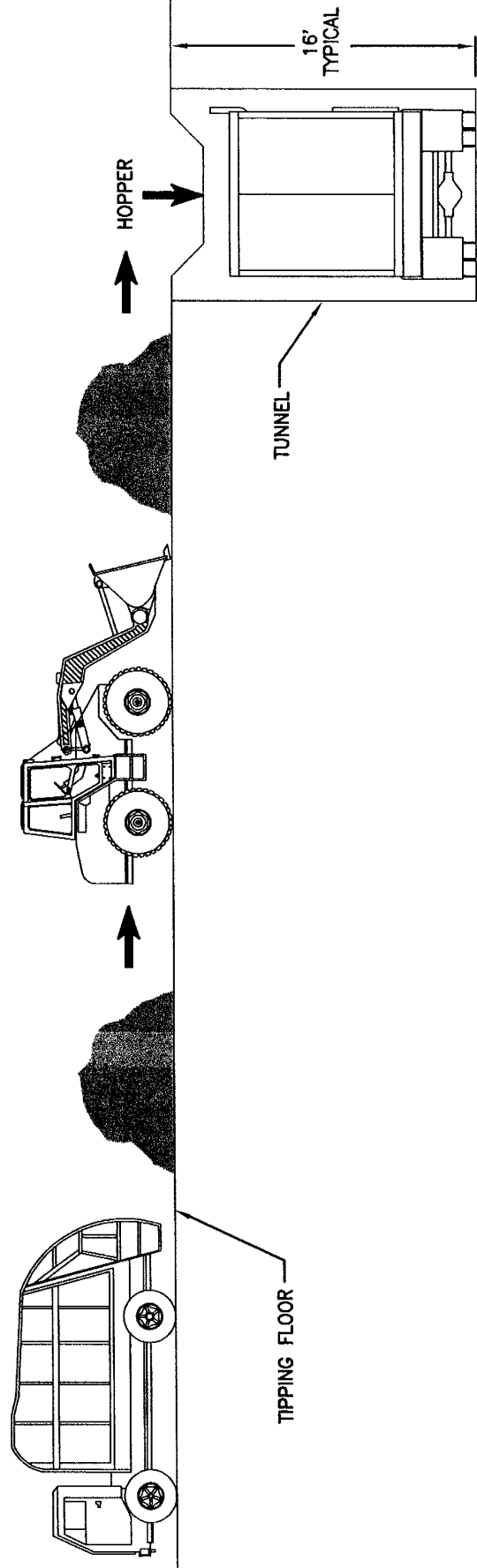
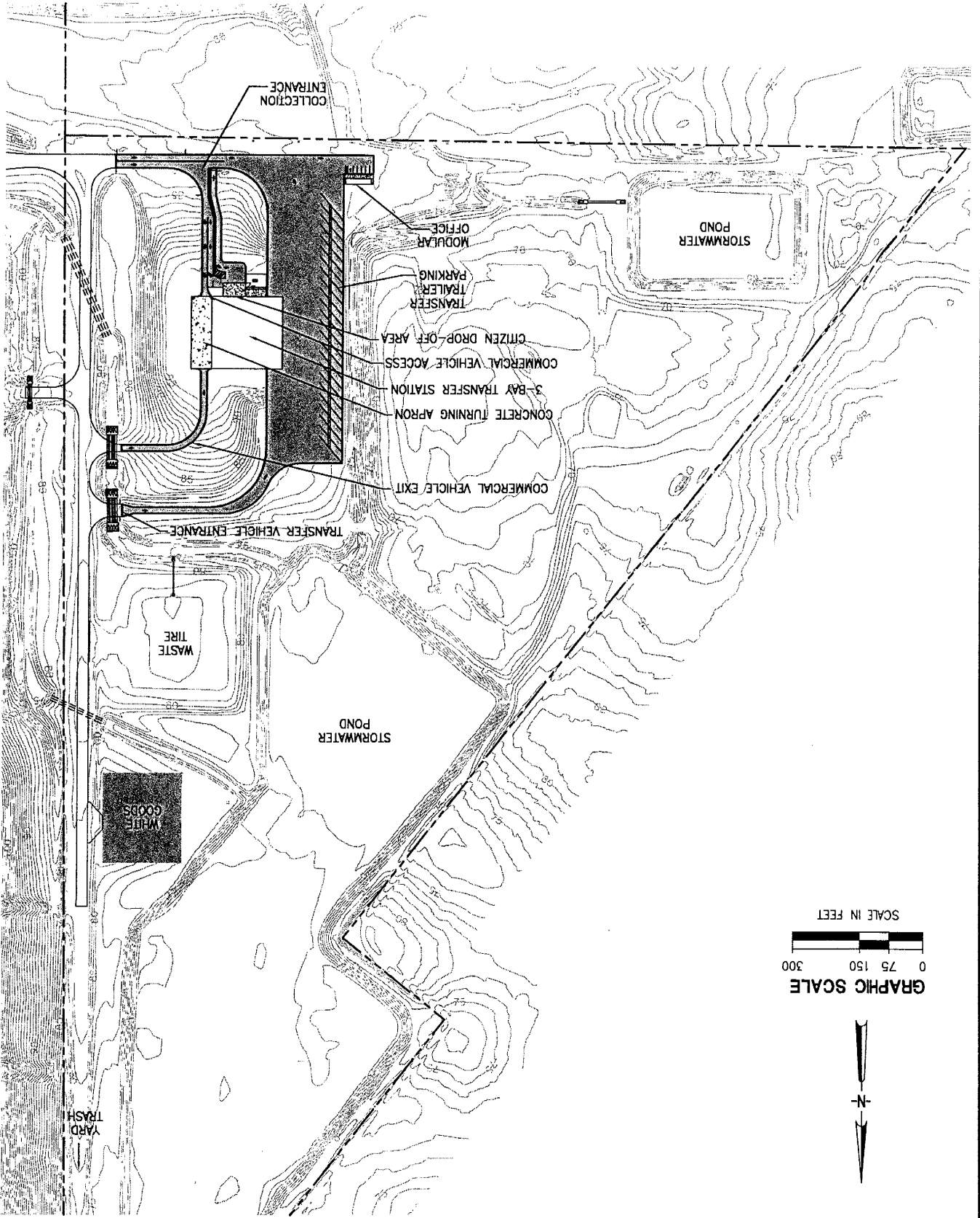
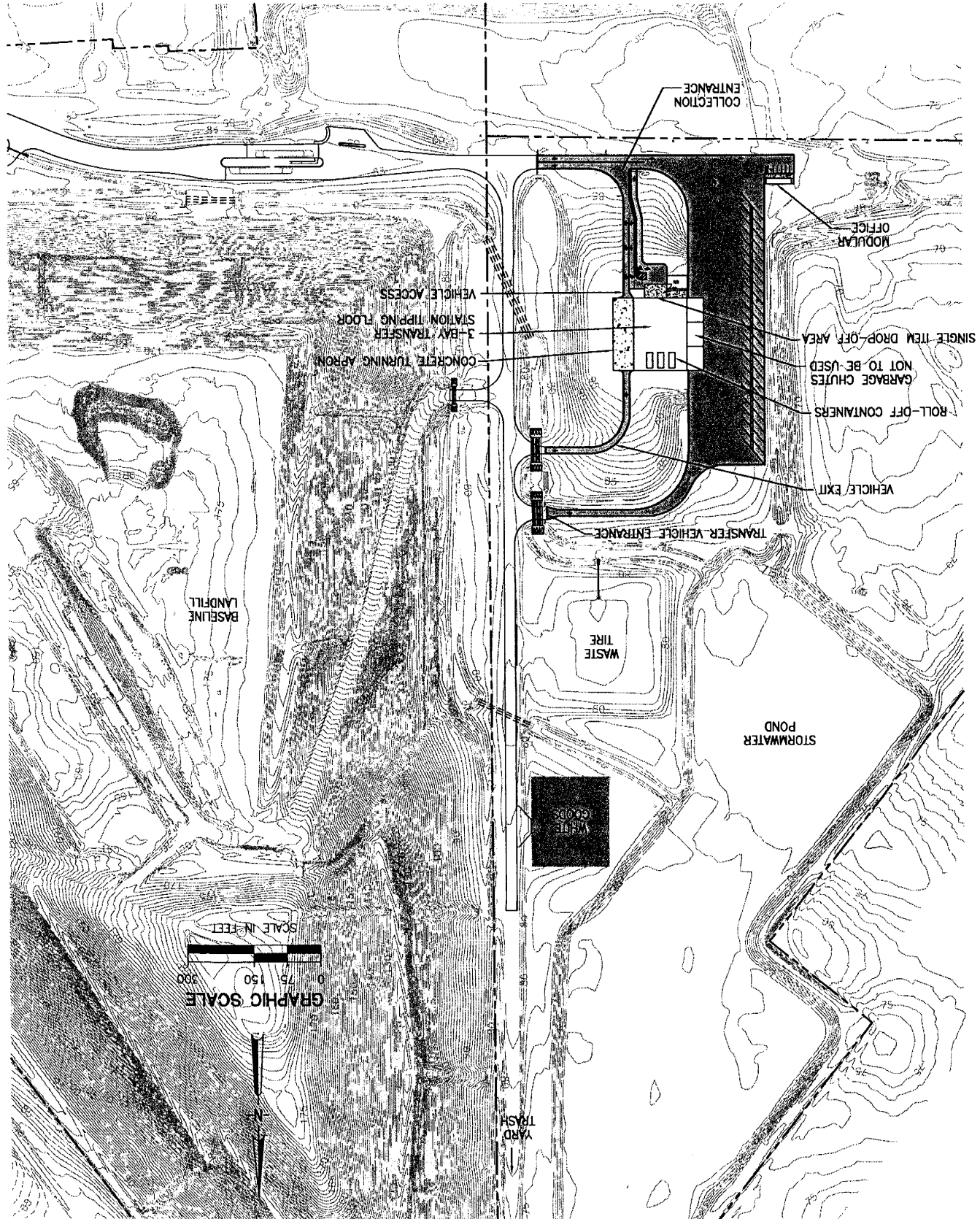


FIGURE 1.2
OPEN-TOP TRANSFER
MARION COUNTY SOLID WASTE
TRANSFER STATION

FIGURE 1.3
SITE PLAN
MARION COUNTY SOLID WASTE
TRANSFER STATION



**FIGURE 1.4
CITIZEN'S DROP-OFF AREA SITE PLAN
MARION COUNTY SOLID WASTE
TRANSFER STATION**

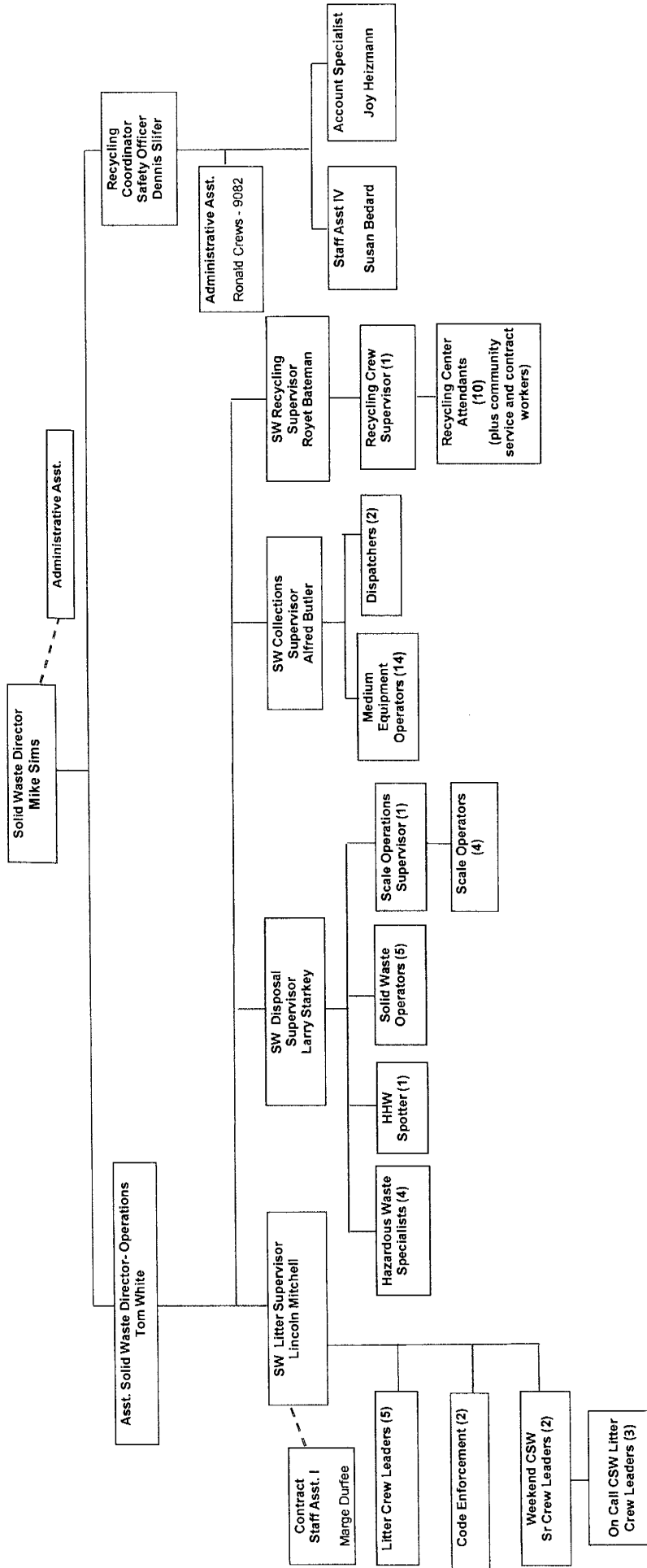


2.0 OPERATIONS STAFF

The Transfer Station is operated by trained and certified staff and has at least two operators during operations: one loading and one excavating. Equipment operators are cross-trained as spotters to perform load inspection and waste-suitability screening. The Solid Waste Director is responsible for successfully managing and operating the Transfer Station; providing a safe work environment for the employees; and ensuring that employees abide by applicable operational, safety, and environmental procedures and rules. Figure 2.1 lists the typical solid waste staffing levels.

Refer to Section 6.0 for emergency contact information.

Figure 2.1 Marion County Solid Waste Department Organizational Chart



3.0 FACILITY OPERATIONS

This section describes the facility operations and how facility operations will meet requirements of FDEP Rule 62-701.710(4), FAC. The Transfer Station will be operated to provide an environmentally sound means of transferring solid waste from collection vehicles to larger transfer vehicles or roll-off containers to transport the waste to a disposal facility. The expected operating life of the facility is 20 years from opening (through approximately 2024).

3.1 OPERATING HOURS

Waste is accepted at the Transfer Station from 7:00 am to 5:00 pm, Monday through Saturday. The facility is closed on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Baseline Landfill, Transfer Station, and Recycling Centers close at 3 pm on Christmas Eve and New Year's Eve. Personnel are on site for additional hours after the facility closes to the public to load trailers, move trailers on site, move trailers off site, and perform maintenance. Hours of operation may be extended in a natural disaster.

3.2 WASTE PROCESSING

The Transfer Station is an open-top transfer system. Solid waste from the collection vehicles and citizens is weighed at the scales, deposited on to the tipping floor, spotted for unauthorized waste, and loaded into transfer vehicles at a level lower than the tipping floor. Unauthorized waste is pulled from waste stream and processed accordingly (refer to Section 3.11.3).

When waste is being disposed of directly at the Baseline Landfill, the Transfer Station is used as a Citizens Drop-Off Area by residents and businesses that use non-mechanical hauling vehicles. Customers unload their waste on the tipping floor and the waste is spotted for unauthorized waste and loaded into 40- cubic yard (CY) roll-off containers stored in the covered facility. When the containers are full, they are transported to the Baseline Landfill.

3.3 WASTE COMPOSITION

The type of waste brought to the Transfer Station includes solid waste as defined by FDEP Rule 62-701.200, FAC. Class I and Class III solid waste and incidental construction and demolition debris (C&DD) are accepted at the facility. C&DD as a class of waste is not accepted. Large recyclable metals, white goods, and waste tires found in the waste at the Transfer Station receiving center are segregated from the waste and temporarily stored before processing and disposal. Electronic waste from businesses and institutions is not accepted at the Transfer Station. Refer to Section 3.11.3 for details regarding handling unauthorized and unacceptable waste. Class I and Class III waste are not segregated during handling; both are treated as Class I waste when mixed.

The waste is received from municipal and unincorporated residential and commercial generators, including residential curbside, residential self-haul, rural drop-off centers, commercial haulers, commercial self-haul, and neighborhood clean-up activities.

3.4 EXPECTED WASTE TONNAGE

The Transfer Station was designed to accept a maximum tonnage rate of 1,200 tpd of solid waste. Since the facility opened, the maximum average waste rate has been approximately 600 tpd. When the facility is operated as a Citizens Drop-off Area, the average waste rate is approximately less than 50 tpd.

Based on recent contract negotiations, in 2013 waste collected in the south part of the County will be hauled directly to the ACMS Class I landfill in Sumter County; the remaining waste will be disposed of in Baseline Landfill. In 2015 the remaining waste will be processed through the Transfer Station and hauled to the ACMS Class I Landfill.

The Transfer Station was designed for loading 120- CY transfer trailers (maximum payload of 22 tons). It is estimated that a trailer can be positioned, loaded, and removed in approximately 30 minutes.

If the Transfer Station elects to maximize its use, the operating hours, number of trailers, number of employees, and number of trucks for any distance of hauling may be adjusted.

3.5 MAXIMUM WASTE STORAGE TIMES

Waste is handled to the extent possible on a first-in, first-out basis. The method of normal operations is to remove solid waste from the tipping floor within 48 hours. When waste is stored overnight, it remains on the tipping floor up to 48 hours under normal operations. If an emergency occurs, waste will be stored no longer than 7 days on the tipping floor and in transfer trailers, if necessary.

3.6 WASTE DISPOSAL FACILITIES

Currently, waste is disposed of at the Baseline Landfill. Based on contract negotiations, in 2013 a portion of waste will be diverted to the ACMS Class I Landfill in Sumter County. In 2015 the remaining waste will be disposed of at this landfill. There will be remaining capacity at the Baseline Landfill for emergencies (approximately 5 years of capacity).

3.7 OPERATIONAL RECORDS

Operational records are compiled monthly and maintained at the Transfer Station for 3 years. Records include the following daily logs for each type of solid waste (Class I and Class III):

- Incoming waste tonnage and origin if known.
- Waste tonnage received, processed, or stored.
- Waste tonnage diverted due to unauthorized waste.
- Waste tonnage of unacceptable waste diverted for off-site processing and disposal.
- Number of waste tires diverted for off-site processing and disposal.

3.8 MACHINERY AND EQUIPMENT

3.8.1 Transfer Station Operation Machinery and Equipment

The Transfer Station uses a variety of equipment for daily waste-handling operations. A front-end loader moves the waste from the tipping floor directly into the transfer trailer. A yard tractor moves empty and full trailers within the facility. Typically, yard tractors ferry the trailers to and from the parking areas and transport trailers to the scales for weighing. A wheel-mounted knuckle-boom excavator adjusts trailer payload and distributes waste within the trailer.

Table 3.1 lists the equipment used at the facility.

Quantity	Description	Manufacturer
Variable ¹	Transfer Trailers	Various
2	Yard Tractor	Rhino or equal
1	Knuckle-boom excavator	Caterpillar M318 or equal
1	Sweeper	
1 ²	Front-end Loader	John Deere 744 or equivalent

¹ Depending on operational conditions, additional trailers are available if needed.
The Transfer Station maintains two transfer trailers to transport waste as necessary.

² Back-up loader available on request.

Routine equipment maintenance is performed on site. Major maintenance and repairs (engines, transmissions, and auxiliary drives) are handled at off-site service facilities. Contracts with suppliers are arranged to obtain equipment as needed.

Shelters and bathroom facilities are in the Crew Building adjacent to the Transfer Station and the Administration Building near Baseline Landfill. First aid supplies are kept at the Transfer Station and Administration Building.

The County does not provide offices, lunch rooms, bathroom facilities, break rooms, etc. for non-County personnel or transfer trailer drivers at the Transfer Station building, though

bathrooms are available for them in the adjacent Crew Building and Administration Building, as previously described.

3.8.2 Citizens Drop-Off Area Machinery and Equipment

A John Deere 744 front-end loader is assigned to the Citizens Drop-Off Area to keep the dumping area clean and to load the open-top roll-off containers to transfer the waste to the landfill. Up to three 40-CY open-top roll-off containers are positioned in the building, and numerous spare containers are available.

3.9 GENERAL START-UP AND SHUT-DOWN PROCEDURES

Start-up Procedures are as follows:

- Inspect the site.
- Check scales for proper operations.
- Check communications equipment.
- Inspect the tipping floor and transfer tunnels for debris or loose materials.
- Coordinate staff to be sure that operators are ready to receive waste.

Shut-Down Procedures are as follows:

- Clean the transfer area, including clearing the unloading area of loose debris or unauthorized materials to appropriate storage areas.
- Cover the transfer trailers that are partially filled and will remain on site.
- Shut down the equipment and scales and store equipment and vehicles in appropriate areas.
- Inspect clean-up of the site and make sure no personnel remain in the facility.
- Lock the facility gates.

3.10 TRANSFER PLAN

The Transfer Station was designed for loading 120- CY transfer trailers (maximum payload of 22 tons). It is estimated that a trailer can be positioned, loaded, and removed in approximately 30 minutes. At a rate of 600 tpd, the frequency of transfer vehicle trips is 30 trips per day, or approximately three vehicles per hour.

3.11 OPERATIONS AND WASTE INSPECTION PROCEDURES

The waste is received from municipal and unincorporated residential and commercial generators including residential curbside, residential self-haul, rural drop-off centers, commercial haulers, commercial self-haul, and neighborhood clean-up activities.

3.11.1 Weighing and Measuring of Incoming Waste

Waste is handled on a first-in and first-out basis. All waste entering the Transfer Station is weighed at the scale house before being unloaded on the tipping floor. The scale house attendant records the vehicle identifications and weights. County personnel maintain the weight records at the scale house.

3.11.2 Transfer Station

After being weighed, the collection vehicles proceed to the enclosed Transfer Station. Collection vehicles enter the building on the east side; transfer trailers enter the tunnels on the north side of the Transfer Station and exit on the south side. The citizen vehicles directed to the Transfer Station proceed to the Citizens Drop-Off Area on the south side of the Transfer Station, where waste is passed through a window in the Transfer Station building. Citizens are not allowed to enter the Transfer Station building. However, when the Transfer Station is operating solely as a Citizens Drop-Off Area, citizens are allowed in the building to dispose of their waste on the tipping floor.

The collection vehicles back into the tipping floor and dump the waste onto the tipping ramp. The loader operator, who is a trained spotter, observes the waste, spreading it as necessary to spot and remove unauthorized waste. The front-end loader pushes waste from the tipping floor to the transfer trailer by lifting the waste over the barrier wall. A knuckle-boom excavator assists in loading the trailers and compacting the waste in the trailer. When the Transfer Station is operating as a Citizens Drop-Off Area, vehicles back into the tipping floor and unload their waste. The waste is spotted and loaded into roll-off containers stored inside the building. The roll-offs are transported to the Baseline Landfill for disposal.

The waste from the tipping floor is dumped over the push wall into the transfer trailers at the loading bay open to the tunnel below. The weight of the transfer trailer on the tunnel scale is displayed on the tipping floor to indicate when the transfer vehicle is full. Once filled, the transfer trailers is covered and parked in the trailer parking area north of the Transfer Station. The trucking contractor has the option to drive across the exterior scale while exiting the facility. The transfer vehicles are weighed again when entering the landfill. The trucking contractor delivers the waste to the receiving landfill for disposal. Once the transfer trailer is emptied at the landfill, the vehicle returns to the Transfer Station for re-filling.

3.11.3 Handling of Unauthorized Waste

Only Class I and Class III solid waste and incidental C&DD are accepted at the facility. C&DD as a class of waste is not accepted at this facility. Unauthorized waste includes incidental metals, white goods, waste tires, yard waste, hazardous waste, and electronic waste from businesses or institutions. Unauthorized wastes found during unloading or in the waste on the Transfer Station tipping floor are segregated from the processed waste and temporarily stored on site in a specified storage area on the tipping floor before being processed and disposed of. Incidental

metals, white goods, and waste tires are handled as recyclable or recoverable materials. While removing this waste, the front-end loader operator maintains a minimum distance of 50 feet from individuals outside their vehicle.

Electronic waste from businesses or institutions is not accepted at the Transfer Station and if found in the waste is handled as an unmarketable recyclable waste. Refer to Section 3.11.3.2, Unmarketable Recyclable Wastes.

Temporary storage containers are emptied when full and are not be stored for more than 30 days.

Before dropping off wastes at the Transfer Station facility, an initial screening for unauthorized waste is performed at the scale house. If an unauthorized waste is identified after a load is deposited on the tipping floor, the waste is reloaded into the hauling vehicle and the hauler is responsible for properly handling the waste.

If waste is identified as unauthorized after being deposited on the tipping floor and the identity of the hauler is uncertain, the Transfer Station personnel separates the waste from the rest of the waste and makes every effort to identify the hauler and originator of the unauthorized waste stream. If the hauler or originator cannot be identified, Transfer Station personnel are responsible for properly handling and disposing of the waste. The spotter notifies the operator of the type of unauthorized waste, and if necessary the operator will obtain the assistance of the local health officer and environmental authorities to assess the nature of the waste and the proper procedure for handling and disposal.

Recyclable materials are stored on site and later transferred off site to contracted recycling facilities.

3.11.3.1 White Goods and Recyclable Materials

White goods are not accepted at the Transfer Station. However, if white goods are found in the waste, they are removed and temporarily stored in an areas north of the Transfer Station. The White Goods Storage Area is constructed on an approximately 175-foot-by-200-foot concrete pad that holds white goods and large metal recyclable materials that cannot be processed through the Recycling Center at the adjacent Baseline Landfill.

Marion County contracts with Florida Refrigeration & Equipment, Inc., to remove refrigerants from white goods collected at the Baseline Landfill or at the Transfer Station. Items that contain refrigerant are stored upright to avoid breaking or puncturing refrigerant lines. After refrigerants are removed, white goods are transferred off site to a contracted scrap metal recycler (Ocala Recycling Inc.).

3.11.3.2 Unmarketable Recyclable Wastes

Unmarketable recyclable materials that are not hazardous or exempt—such as computers, televisions, and other electronic equipment received from residential or household sources—are transported to the disposal facility with the other solid waste. Electronic waste from a business, commercial, institutional, or other non-household source is not accepted at the Transfer Station. If market value for these items increases so that recycling is advantageous, these materials may be temporarily stored next to the Household Hazardous Waste Area and transported daily to the County-owned Recycling Center at Baseline Landfill.

3.11.3.3 Waste Tires

Waste tires are not accepted at the Transfer Station. However, if waste tires are found in the waste, they are temporarily properly stored and processed. In accordance with the current Baseline Landfill Operations Permit, waste tires are stored and processed on site. The Waste Tire Storage Area includes an approximately 200-foot-by-175-foot concrete pad surrounded by a concrete curb and is north of the Transfer Station next to the White Goods Storage Area.

3.11.3.4 Yard Trash

Yard trash is not accepted at the Transfer Station. Yard trash is directed to a yard trash processing facility.

3.11.3.5 Hazardous Waste

Hazardous wastes are not processed at the facility and are considered unauthorized waste. Hazardous wastes found in the waste are segregated and transferred to proper containers that are collected and disposed of off site by a licensed company under contract with the County in accordance with applicable regulations.

If any regulated hazardous wastes are discovered to be improperly deposited at the Transfer Station, the operator shall promptly notify FDEP. After such an incident, the operator records the following information:

- Date and time unauthorized waste is discovered.
- Date and time the local health officer and authorities are notified.
- Quantity of waste.
- Origin of waste.
- Name, address, phone number, and permit number of the person(s) who deposited the waste, if known.
- Type of waste discovered.
- Other information concerning the incident that is known by the operator.

3.11.4 Handling of Approved Waste

If unauthorized waste is not suspected, the equipment operator approves the waste and these procedures are followed:

- The waste is unloaded, and the collection vehicle is directed to exit the Transfer Station.
- The collection vehicle returns to the scale and is weighed.
- The waste in the tipping floor after unloading is inspected by the operator as waste is moved and is either:
 - Consolidated by the loader into a storage pile in the bay.
 - Loaded into the transfer trailer.
- Waste stored on the tipping floor is generally stored for less than 48 hours.
- Waste is loaded into the transfer trailers, and the weight is monitored using the tunnel scale. The operator will not allow the transfer trailer to exceed 22 tons (or 24 tons if approved and permitted).
- After filling the transfer trailer:
 - The trailer is moved off the tunnel scale using the yard tractor.
 - The trailer is covered.
 - The trailer is parked in the trailer parking area on site (for less than 7 days).
 - The tractor is attached to the trailer, and the vehicle is driven directly to the landfill.
 - Tonnage and the vehicle identifications are recorded at the landfill.
 - Sometimes trailers will be loaded with partial loads and, if parked outside, will be covered. Typically, the truck will be brought back into the tunnel to finish loading.

3.11.5 Cleaning Operations

The Transfer Station is cleaned daily to remove wastes and residues, leachate, grease, or chemicals. Drains and traps are also cleaned daily to prevent clogging. The tipping floor is washed weekly. Hoses are on the tipping floor for wash down. Discharges from the tipping floor, truck tunnel, and truck wash are directed to the floor drains and handled as leachate.

4.0 TRAINING PLAN

Standard policies and procedures that comply with all regulatory requirements are followed in staffing the facility. The operator and employee training comply with all pertinent regulations as stated in Rule 62-701.320(15), FAC. In addition to the regulatory training requirements, additional requirements are part of the hiring process.

4.1 TRAINING REQUIREMENTS

The Transfer Station operator ensures that employees are adequately trained in their position responsibilities, regulatory requirements, and the safe operation of their equipment and the transfer station. The operators are properly trained to operate the Transfer Station, and spotters are properly trained to identify and properly manage any hazardous or unauthorized materials that may be received at the transfer station. In addition, equipment operators that haul and process waste may be trained as spotters and/or operators.

Operators and spotters are required to participate in training courses approved by FDEP. All training courses, whether public or in-house, must be approved by FDEP in accordance with Section 403.716, FS, and a third party must administer any examination required by this subsection for an in-house training program. Any other in-house operator training program must be administered by a trained operator, and the training plan and records documenting how the training plan is being implemented are kept at the facility at all times and made available for inspection by FDEP staff.

New employees work under the supervision of a trained operator or trained spotter. When a new employee has, in the opinion of the Supervisor, shown competence in receiving, handling, and inspecting material at the Transfer Station, the new employee may act as an “interim operator” or “interim spotter.” While under the supervision of a trained operator, the interim operator or spotter may perform the duties of an operator or spotter. The facility may employ an interim operator in lieu of a trained operator for no more than 3 consecutive months. An interim operator must become a trained operator within 1 year of employment as an interim operator. An interim spotter must become a trained spotter or trained operator within 3 months of employment as an interim spotter.

4.1.1 Operator Training

Operators are required to have 16 hours of initial training and to pass an examination to operate the facility. Within 3 years of passing the examination and every 3 years after, operators will complete an additional 8 hours of continued training. Training records are provided in Attachment 1.

4.1.2 Spotter Training

Spotters are required to have 8 hours of initial training to identify and properly manage any hazardous, prohibited, or unauthorized materials received at the facility. This approved 8-hour initial course covers the terms and definitions that a spotter needs to be familiar with as a solid waste spotter. The course also discusses unauthorized waste, hazardous waste, special waste, health and safety, types of landfills, and regulations. Within 3 years of the initial training and every 3 years after, spotters will complete an additional 4 hours of continued training. Training records are provided in Attachment 1.

4.2 TRAINING COURSES

Current training programs are implemented by University of Florida Center for Training, Research, and Education for Environmental Occupations (TREEO Center). Training courses may include the following:

- Initial Training Course for Transfer Station Operators and Material Recovery Facilities (16 hours).
- Initial Training for Spotters at Construction and Demolition Sites, Landfills and Transfer Stations (8 hours).
- Spotter Training for Solid Waste Facilities (8 hours).
- Spotter Refresher Training (4 hours).
- Waste Screening Refresher for Supervisors and Managers (4 hours).
- Asbestos Awareness for Landfill Operators (4 hours).
- 40-hour OSHA HazWoper Training Course (40 hours).
- 8-Hour OSHA HazWoper Annual Refresher (8 hours).
- Health and Safety for Solid Waste Workers (4 hours and 8 hours).

Information and documents used as additional training material sources include appropriate FDEP rules and regulations as they pertain to Transfer Station operations and waste transportation. Proof of training is kept on file at the facility and the TREEO Center.

4.3 HIRING REQUIREMENTS

This section describes the requirements for hiring Transfer Station facility staff.

4.3.1 Operators/Site Supervisor

Individuals must have a high school diploma, GED, or higher level of education and possess at least 1 year of experience operating heavy equipment, preferably operating a bucket loader in a 6-yard or greater capacity class. In addition, he/she must have a minimum of 1 year of experience supervising others.

4.3.2 Waste Spotter

The waste spotters should possess a high school education and be capable of performing duties as a skilled laborer.

5.0 STORMWATER AND LEACHATE CONTROLS AND WATER SUPPLY

Two drainage systems are maintained at the Transfer Station—a stormwater system and a leachate collection system.

5.1 STORMWATER SYSTEM

All surface water from the site is collected and treated to meet the requirements of Chapters 373 and 403, FS, before being discharged off site. In accordance with FDEP Rule 62-701.710(8), FAC, stormwater is managed and controlled according to the existing Environmental Resource Permit (ERP) 42-019435-002-EM. The surface water management system prevents surface water flow into waste processing areas and prevents standing water from accumulating within the facility.

5.2 LEACHATE DRAINAGE AND COLLECTION SYSTEM

Leachate is water that comes in contact with waste. Leachate at the Transfer Station is produced from wet solid waste delivered to the tipping floor and daily wash-down procedures. Daily cleaning to remove wastes and residues, leachate, grease, or chemicals is performed, including cleaning drains, and the tipping floor is washed weekly. Hoses are on the tipping floor for wash down.

Leachate produced from this facility is confined to the tipping floor and the transfer vehicle loading area. The tipping floor is enclosed and covered, reducing infiltration of stormwater. The tipping floor drains to a low point away from the collection vehicle entrance. The tipping floor drainage prevents leachate from leaving the tipping floor area. The leachate from the transfer trailer loading area and the tipping floor is collected and pumped to the leachate collection system for Baseline Landfill.

A grit chamber and oil separator is used in the drainage system to prevent clogging. The grit chamber removes grit and debris from the leachate before leachate enters the wet well. The sediment chamber is cleaned as necessary to prevent grit and debris from entering the wet well. Grit, debris, and sediment removed from the leachate drainage system during cleaning are disposed of in a Class I landfill.

5.3 WATER SUPPLY

The City of Belleview supplies water and sewer to the Administration building and water to the Transfer Station.

6.0 CONTINGENCY PLAN

The following describes the procedures for handling operational interruptions and emergencies meeting requirements of FDEP Rule 62-701.320(16), FAC.

The contingency plan for the facility addresses the following potential emergencies:

- Operational and equipment interruptions.
- Release of an unauthorized waste.
- Poor weather conditions.
- Accidents.
- Fires.

Table 6.1 provides the emergency contacts.

Table 6.1 Emergency Contacts		
Title	Name	Phone Number
Solid Waste Director	Mike Sims	352-671-8465
Solid Waste Supervisor	Tom White	352-812-6406
Marion County Emergency Services:		911
FDEP Central District Receptionist:		407-897-4100
FDEP Solid and Hazardous Waste Section:		407-897-4304
FDEP 24-Hr Emergency Response:		800-320-0519

6.1 OPERATIONAL AND EQUIPMENT INTERRUPTIONS

If regular operations are disrupted due to equipment failure, road closures, or scheduled maintenance activities, one or a combination of the following options will be implemented:

- Waste will not be unprocessed for more than 48 hours. However, if operational interruptions require a longer storage time (no longer than 7 days), vectors and odors must be controlled.
- If the transfer trailer tunnel is inoperable, the waste may be deposited on the tipping floor and loaded (lifted by front-end loader) into transfer trailers on the tipping floor.
- Collection vehicles will bypass the transfer station and haul waste directly to the landfill and/or to alternate disposal facilities if the waste cannot be received at the Transfer Station.
- An alternate disposal facility will be used if the regular, contracted landfill is closed.

Due to the design of the facility and availability of spare or redundant equipment, disruptions in operation due to mechanical failure are unlikely. The three tipping hoppers provide full redundancy of the anticipated wasteload.

Sufficient back-up equipment will be provided on site for equipment breakdowns and for downtime because of normal routine equipment maintenance. If major equipment fails, the Transfer Station operator will use previously made arrangements with contractors and rental equipment dealers to furnish equipment on short-term notice. Back-up electrical power is provided for the scale house, emergency lighting, and fire protection system.

The County or an equipment maintenance contractor will perform all equipment maintenance.

6.2 RELEASE OF AN UNAUTHORIZED WASTE

This section describes clean-up procedures if a spill or release of unauthorized waste occurs. Section 3.11.3 provides detailed procedures for identifying and handling unauthorized waste.

The Transfer Station will have adequate supply of absorbent materials and pads to contain spills. The method of control will be appropriate for the type of spill, and the proper protective equipment will be used. The appropriate trained personnel will follow these procedures for handling release situations:

- Promptly notify FDEP.
- Isolate the area—only emergency response personnel will be permitted in the area.
- Approach the area from the upwind direction.
- Identify the hazard.
- Assess the hazard.
- Plan the response procedure.
- Respond appropriately to the situation.
- Clean up the release or remove the waste material according to HazMat procedures.

After such an incident, the operator will record the following information:

- Date and time the release was discovered.
- Date and time the local health officer and authorities are notified.
- Quantity of waste.
- Origin of waste.
- Type of waste.
- Other information concerning the incident that is known by the operator.

6.3 POOR WEATHER CONDITIONS

Unusual operating conditions could result from excessive rainfall and electrical storms; however, since the facility is enclosed, the potential for impact on operations is minimal. During extremely high wind conditions or electrical storms, transfer operations may be temporarily suspended to protect the workers. Transfer operations will be suspended immediately before and during a tornado.

When the Marion County Board of County Commissioners and County Administrator declare a state of emergency due to a natural disaster (hurricane, tornados, etc.), the Emergency Operational Plan will be implemented. A copy of this document is provided in Attachment 2.

If a tropical storm or hurricane occurs, the following procedures will be implemented within 72 hours of the storm's landfall:

- Notify key personnel of approaching tropical storm or hurricane. Update emergency information and home phone numbers.
- Determine the need for a ride-out crew.
- Notify customers of potential operational changes and facility closures.
- Shut down facility when winds preclude safe operation (approximately 40-mph wind gusts).
- If the facility is shut down, waste that cannot be safely loaded into transfer trailers will be left on the tipping floor or in any trailer not already hauled off site.
- The Director or a designated substitute will decide when the facility will re-open after winds subside and the facility has been inspected for safe operation.
- The Director or a designated substitute will inspect the facility and notify FDEP if any damage to the facility may affect compliance with the permit and this Operations Plan.

6.4 ACCIDENTS

These emergency procedures will be followed for the various types of accidents that may occur at the facility. In case of injuries, the injured person will be taken to the nearest hospital, either by personnel or by an ambulance.

6.4.1 Vehicular Accidents

- Determine if personal injury has occurred. If so, call 911.
- Determine if the vehicle(s) can be safely moved under its own power. If so, move the vehicle(s) out of the way of normal traffic flow.
- If the vehicle(s) cannot move under its own power and is interrupting traffic flow, push the vehicle(s) out of the way with site equipment or reroute traffic if serious injuries are involved.
- Notify officials of the details of the accident.

- Arrange to have disabled vehicles towed from the site to maintain operations.

6.4.2 Personal Injury

- Stop all work in the Transfer Station if an emergency occurs on the tipping floor.
- Determine the nature and extent of the injuries.
- If qualified, administer emergency first aid techniques.
- Call 911.
- If injuries require non-emergency medical attention, arrange to transport victim(s) to a place of professional medical care (e.g., hospital emergency room, doctor's office, or clinic) by conventional means.
- Notify the Solid Waste Supervisor immediately. Notify the Solid Waste Director and all other pertinent individuals as soon as possible.
- The Solid Waste Supervisor will fill out a 1001 Accident Report and submit it to Risk Management, the Public Works Safety Coordinator, Department Safety officer, employee clinic if a County employee, and to the Solid Waste Director.

6.5 FIRE

Equipment and vehicles are equipped with fire extinguishers, and personnel are trained to use them. Extinguishers are inspected regularly and repaired or replaced as needed. The Transfer Station is equipped with an overhead fire suppression sprinkler system over the tipping floor area and in the tunnel bay area, as well as fireboxes, and wash-down hoses. Fire hydrants are at the southeast and northeast corners of the Transfer Station building.

These procedures will be followed in case of fire:

- Transfer Station personnel will call 911.
- Waste loads that arrive at the transfer station on fire will be diverted to a separate area of the site.
- If a fire occurs at the facility, the waste that is not burning will be separated from the fire to minimize the size of the fire.
- Operators and spotters trained in the use of fire extinguishers will take appropriate measures to put out the fire and/or contain the fire.
- Crewmembers and vehicles will evacuate as necessary.
- The fire-suppression system will be activated automatically as necessary.

7.0 FACILITY CONTROLS

This section describes the facility controls and procedures to ensure optimum and safe operations.

7.1 LITTER, VECTOR, AND ODOR CONTROL

The perimeter fence provides a barrier to blowing litter. Designated employees periodically collect litter. Transfer trailer loads are tarped immediately when leaving the tunnel area, except in emergency conditions. Exposed garbage creates litter. After loading, weighing, and tarping, the trailer should be hauled to the parking area. Staff perform a routine check for litter around the tunnel area.

Normal operating procedure is to remove all litter and loose debris from the transfer loading tunnel and tipping floor daily or at the time of an unscheduled shut-down. The following Litter Control Procedures are followed to contain and clean up of litter debris:

- Collect litter around the building.
- Collect litter on the tipping floor.
- Collect litter on the lower level transfer loading area.
- Place collected litter in an available transfer trailer or waste container for proper disposal.

Vectors (insects and birds) and odors are not expected to create a nuisance due to the design of the enclosed structure and operating methods. Normal operating procedure is to remove all waste from the tipping floor at the end of each day. The design of the facility minimizes areas where waste can accumulate, such as under and around scales and around hoppers. The areas where litter may accumulate are cleaned as part of daily operations. If vectors are a problem, an exterminator will treat the facility.

Properly maintained and covered waste loads should not present objectionable odor problems. However, while awaiting transport some waste loads may discharge odor; these loads should be given priority and quickly hauled from the site.

7.2 BUILDING DUST CONTROL

Exhaust fans in the Transfer Station building ventilate the tipping and transfer area. This exhaust system ventilates the enclosed areas and controls odors and excessive heat buildup.

ATTACHMENT 1
TRAINING RECORDS

Those names outlined are associated with the transfer station.

Florida DEP Landfill Operators

Company Name: Marion County
All Districts District Only
Printed: 05/10/2012

1. **Hours Required:** The hours needed before the expiration date in order to keep the certification valid.

Butler, Alfred K. - Marion County Solid Waste Department - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	12/08/2006	0	12/07/2012
Construction and Demolition Debris Landfill Operator	12/08/2006	0	12/07/2012
Spotter / Waste Screener	06/24/2011	4	06/23/2014

Chancey, Robert - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	03/24/2006	16	03/23/2015
Construction and Demolition Debris Landfill Operator	03/24/2006	16	03/23/2015
Spotter / Waste Screener	08/23/2006	0	08/22/2012
Transfer Station Operator	02/05/2004	0	02/04/2013

Fields, Bryan - Marion County Solid Waste Department - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Spotter / Waste Screener	06/24/2011	4	06/23/2014

Johnson, Wanda - Marion County Solid Waste - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	02/25/2009	16	02/24/2015
Construction and Demolition Debris Landfill Operator	02/25/2009	16	02/24/2015

Larramore, James - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	02/09/2007	4	02/08/2013
Construction and Demolition Debris Landfill Operator	02/09/2007	4	02/08/2013
Spotter / Waste Screener	08/23/2006	0	08/22/2012
Transfer Station Operator	02/05/2004	0	02/04/2013

Martin, James - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Spotter / Waste Screener	06/21/2006	0	06/20/2012
Transfer Station Operator	02/05/2004	4	02/04/2013

Middleton, Carl Bob - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/17/2006	0	11/16/2012
Construction and Demolition Debris Landfill Operator	11/17/2006	0	11/16/2012
Spotter / Waste Screener	06/24/2011	4	06/23/2014

Mitchell, Lincoln - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	07/15/2005	16	07/14/2014
Construction and Demolition Debris Landfill Operator	07/15/2005	16	07/14/2014
Material Recovery Facility Operator	11/05/2004	8	11/04/2013
Spotter / Waste Screener	02/04/2010	0	02/03/2013
Transfer Station Operator	11/05/2004	8	11/04/2013

Montgomery, James - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	02/24/2006	16	02/23/2015
Construction and Demolition Debris Landfill Operator	02/24/2006	16	02/23/2015
Spotter / Waste Screener	10/20/2011	0	10/19/2014

Moyer, Don - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	02/11/2000	16	02/10/2012
Spotter / Waste Screener	10/25/2006	4	10/24/2012
Transfer Station Operator	02/05/2004	8	02/04/2013

Newbern, Karlene - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/17/2006	0	11/16/2012
Construction and Demolition Debris Landfill Operator	11/17/2006	0	11/16/2012
Spotter / Waste Screener	06/24/2011	4	06/23/2014

Newell, John - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Spotter / Waste Screener	07/07/2004	0	07/06/2013

O'Neal, Mike - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/19/1993	16	11/18/2014
Spotter / Waste Screener	06/21/2006	0	06/20/2012
Transfer Station Operator	02/05/2004	0	02/04/2013

Perry, Lorenda - Marion County Solid Waste - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/19/2010	8	11/18/2013
Construction and Demolition Debris Landfill Operator	11/19/2010	8	11/18/2013
Spotter / Waste Screener	11/19/2008	0	11/18/2014

Porter, Kimberly - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	05/11/2007	4	05/10/2013
Construction and Demolition Debris Landfill Operator	05/11/2007	4	05/10/2013
Spotter / Waste Screener	02/17/2010	0	02/16/2013

Raymond, Benjamin - Marion County Solid Waste Department - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/18/2011	16	11/17/2014
Construction and Demolition Debris Landfill Operator	11/18/2011	16	11/17/2014

Robertson, Dwayne - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Material Recovery Facility Operator	08/12/2003	8	08/11/2012
Transfer Station Operator	08/12/2003	8	08/11/2012

Sims, Mike D. - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/18/2011	16	11/17/2014
Construction and Demolition Debris Landfill Operator	11/18/2011	16	11/17/2014

Slifer, Dennis - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Material Recovery Facility Operator	01/27/2006	8	01/26/2015
Spotter / Waste Screener	10/20/2011	4	10/19/2014
Transfer Station Operator	01/27/2006	8	01/26/2015

Starkey, Larry - Marion County Solid Waste Department - Ocala - Hernando County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	11/18/2005	4	11/17/2014
Construction and Demolition Debris Landfill Operator	11/18/2005	4	11/17/2014
Material Recovery Facility Operator	01/31/2012	8	01/30/2015
Spotter / Waste Screener	06/24/2011	0	06/23/2014
Transfer Station Operator	01/31/2012	8	01/30/2015

Talavera, Albert - Marion County Solid Waste Department - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Spotter / Waste Screener	02/17/2010	0	02/16/2013

Warrick, Raymond - Marion County Solid Waste Department - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	02/24/2006	16	02/23/2015
Construction and Demolition Debris Landfill Operator	02/24/2006	16	02/23/2015
Material Recovery Facility Operator	01/27/2006	4	01/26/2015
Spotter / Waste Screener	10/20/2011	0	10/19/2014
Transfer Station Operator	01/27/2006	4	01/26/2015

Warrington-Bateman, Royet R. - Marion County Solid Waste - Ocala

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	09/02/2005	16	09/01/2014
Construction and Demolition Debris Landfill Operator	09/02/2005	16	09/01/2014
Material Recovery Facility Operator	11/19/2003	4	11/18/2012
Spotter / Waste Screener	10/31/2002	4	10/30/2014
Transfer Station Operator	11/19/2003	0	11/18/2012

White, Tom - Marion County Solid Waste - Ocala - Marion County

Title	Initial Date	Hours Required ¹	Expiration Date
Class I, III Landfill Operator	05/16/1997	0	05/15/2012
Material Recovery Facility Operator	03/29/2002	8	03/28/2014
Spotter / Waste Screener	09/27/2010	0	09/26/2013
Transfer Station Operator	03/29/2002	8	03/28/2014

Florida DEP Solid Waste Management Facility Operator Courses

Butler, Alfred K.
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 12/08/2006 • Current period: 12/08/2009 - 12/07/2012 Hours needed before 12/07/2012: 0 				
Period: 12/08/2006 - 12/07/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	12/08/2006	Initial
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/19/2007	8
367	FDEP/NAHMMA Identification of Unknowns and Chemistry for Non-Chemists Training [12/20/04]	Florida Department of Environmental Protection	05/30/2008	4
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4
500	Excavation and Trenching Safety Procedures	University of Florida - TREEO	06/24/2009	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4
Total:				28
Hours Needed:				0
Period: 12/08/2009 - 12/07/2012				
Course	Course Name	Provider	Completion Date	Hours
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
104	Permit Required Confined Space Entry	University of Florida - TREEO	06/23/2011	8
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	8
Total:				20
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.

- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Butler, Alfred K.
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 12/08/2006 • Current period: 12/08/2009 - 12/07/2012 Hours needed before 12/07/2012: 0 				
Period: 12/08/2006 - 12/07/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	12/08/2006	Initial
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/19/2007	8
367	FDEP/NAHMMA Identification of Unknowns and Chemistry for Non-Chemists Training [12/20/04]	Florida Department of Environmental Protection	05/30/2008	4
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4
500	Excavation and Trenching Safety Procedures	University of Florida - TREEO	06/24/2009	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4
Total:				28
Hours Needed:				0
Period: 12/08/2009 - 12/07/2012				
Course	Course Name	Provider	Completion Date	Hours
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
104	Permit Required Confined Space Entry	University of Florida - TREEO	06/23/2011	8
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	8
Total:				20
Hours Needed:				0
				Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
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- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Butler, Alfred K.
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Spotter / Waste Screener				Status: Current
<ul style="list-style-type: none"> • Initial Date: 06/24/2011 • Current period: 06/24/2011 - 06/23/2014 - (Initial Period) Hours needed before 06/23/2014: 4 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	12/08/2006	4
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/19/2007	4
367	FDEP/NAHMMA Identification of Unknowns and Chemistry for Non-Chemists Training [12/20/04]	Florida Department of Environmental Protection	05/30/2008	4
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4
104	Permit Required Confined Space Entry	University of Florida - TREEO	06/23/2011	4
Total:				Prior
Hours Needed:				
Period: 06/24/2011 - 06/23/2014 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	Initial
Total:				0
Hours Needed:				4
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.

- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Chancey, Robert
 Solid Waste Operator
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 03/24/2006 • Current period: 03/24/2012 - 03/23/2015 Hours needed before 03/23/2015: 16 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	02/05/2004	10
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/08/2005	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	02/24/2006	2
Total:				Prior
Hours Needed:				
Period: 03/24/2006 - 03/23/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	03/24/2006	Initial
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16
Total:				26
Hours Needed:				0
Period: 03/24/2009 - 03/23/2012				
Course	Course Name	Provider	Completion Date	Hours
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	05/07/2009	4
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4

281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8	
				Total:	16
				Hours Needed:	0
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Chancey, Robert
 Solid Waste Operator
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 03/24/2006 • Current period: 03/24/2012 - 03/23/2015 Hours needed before 03/23/2015: 16 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
21	Solid Waste Landfill Operator's Short School	Solid Waste Association of North America (SWANA - Florida Chapter)	11/20/1998	20
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	02/05/2004	10
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/08/2005	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	02/24/2006	2
Total:				Prior
Hours Needed:				
Period: 03/24/2006 - 03/23/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	03/24/2006	Initial
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16
Total:				26
Hours Needed:				0
Period: 03/24/2009 - 03/23/2012				
Course	Course Name	Provider	Completion Date	Hours
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	05/07/2009	4

206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8
Total:				16
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
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Florida DEP Solid Waste Management Facility Operator Courses

Chancey, Robert
 Solid Waste Operator
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Spotter / Waste Screener				Status: Current
<ul style="list-style-type: none"> • Initial Date: 08/23/2006 • Current period: 08/23/2009 - 08/22/2012 Hours needed before 08/22/2012: 0 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	4
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	02/24/2006	2
Total:				Prior
Hours Needed:				
Period: 08/23/2006 - 08/22/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	Initial
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	05/07/2009	4
Total:				6
Hours Needed:				0
Period: 08/23/2009 - 08/22/2012				
Course	Course Name	Provider	Completion Date	Hours
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	4
Total:				4
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:

16 hours Class I II III Landfill / Construction and Demolition Debris

8 hours Transfer Station / Material Recovery Facility

4 hours Spotter

- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Marion County Solid Waste
 5601 SE 66th St.
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Phone: (352) 671-8465

Transfer Station Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 02/05/2004 • Current period: 02/05/2010 - 02/04/2013 Hours needed before 02/04/2013: 0 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
Total:				Prior
Hours Needed:				
Period: 02/05/2004 - 02/04/2007 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	02/05/2004	Initial
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	02/24/2006	2
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	8
Total:				10
Hours Needed:				0
Period: 02/05/2007 - 02/04/2010				
Course	Course Name	Provider	Completion Date	Hours
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	05/07/2009	4
Total:				22
Hours Needed:				0
Period: 02/05/2010 - 02/04/2013				
Course	Course Name	Provider	Completion Date	Hours

206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8
				Total: 12
				Hours Needed: 0
				Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Marion County Solid Waste
 5601 SE 66th St.
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Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 02/09/2007 • Current period: 02/09/2010 - 02/08/2013 Hours needed before 02/08/2013: 4 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	02/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	02/05/2004	10
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/03/2004	8
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/08/2005	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	8
Total:				Prior
Hours Needed:				
Period: 02/09/2007 - 02/08/2010 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	02/09/2007	Initial
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4
500	Excavation and Trenching Safety Procedures	University of Florida - TREEO	06/24/2009	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4
Total:				18
Hours Needed:				0
Period: 02/09/2010 - 02/08/2013				
Course	Course Name	Provider	Completion Date	Hours

463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/15/2012	4
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8
			Total:	12
			Hours Needed:	4
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

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Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 02/09/2007 • Current period: 02/09/2010 - 02/08/2013 Hours needed before 02/08/2013: 4 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
21	Solid Waste Landfill Operator's Short School	Solid Waste Association of North America (SWANA - Florida Chapter)	05/16/1997	20
138	Solid Waste Facility Operations for Landfill Operators	Kohl Consulting, Inc.	12/07/2000	20
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	02/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	02/05/2004	10
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/03/2004	8
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/08/2005	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	8
Total:				Prior
Hours Needed:				
Period: 02/09/2007 - 02/08/2010 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	02/09/2007	Initial
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4
500	Excavation and Trenching Safety Procedures	University of Florida - TREEO	06/24/2009	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4
Total:				18

Period: 02/09/2010 - 02/08/2013				Hours Needed:	0
Course	Course Name	Provider	Completion Date	Hours	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/15/2012	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8	
				Total:	12
				Hours Needed:	4
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Larramore, James
 Solid Waste Operator
 Marion County Solid Waste
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Phone: (352) 671-8465

Spotter / Waste Screener					Status: Current
<ul style="list-style-type: none"> • Initial Date: 08/23/2006 • Current period: 08/23/2009 - 08/22/2012 Hours needed before 08/22/2012: 0 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	02/22/2002	4	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5	
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2	
				Total:	Prior
				Hours Needed:	
Period: 08/23/2006 - 08/22/2009 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	Initial	
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	02/09/2007	4	
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2	
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4	
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4	
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4	
				Total:	18
				Hours Needed:	0
Period: 08/23/2009 - 08/22/2012					
Course	Course Name	Provider	Completion Date	Hours	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/15/2012	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8	
				Total:	12
				Hours Needed:	0
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Ocala, FL 34480

Phone: (352) 671-8465

Transfer Station Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 02/05/2004 • Current period: 02/05/2010 - 02/04/2013 Hours needed before 02/04/2013: 0 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	02/22/2002	4
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
Total:				Prior
Hours Needed:				
Period: 02/05/2004 - 02/04/2007 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	02/05/2004	Initial
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/23/2006	8
Total:				10
Hours Needed:				0
Period: 02/05/2007 - 02/04/2010				
Course	Course Name	Provider	Completion Date	Hours
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	02/09/2007	8
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	05/12/2007	2
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/24/2009	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/25/2009	4
519	Hazardous Waste Regulations for Solid Waste Occupations	University of Florida - TREEO	06/25/2009	4
Total:				22
Hours Needed:				0
Period: 02/05/2010 - 02/04/2013				
Course	Course Name	Provider	Completion Date	Hours

463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/15/2012	4
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8
			Total:	12
			Hours Needed:	0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Solid Waste Supervisor
 Marion County Solid Waste
 5601 SE 66th St.
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Construction and Demolition Debris Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 07/15/2005 • Current period: 07/15/2011 - 07/14/2014 Hours needed before 07/14/2014: 16 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	12/11/2003	8
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/05/2004	10
Total:				Prior
Hours Needed:				
Period: 07/15/2005 - 07/14/2008 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	07/15/2005	Initial
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/15/2007	8
Total:				16
Hours Needed:				0
Period: 07/15/2008 - 07/14/2011				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	02/04/2010	8
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/17/2010	8
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
Total:				20
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.

- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 07/15/2005 • Current period: 07/15/2011 - 07/14/2014 Hours needed before 07/14/2014: 16 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	12/11/2003	8
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/05/2004	10
Total:				Prior
Hours Needed:				
Period: 07/15/2005 - 07/14/2008 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	07/15/2005	Initial
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/15/2007	8
Total:				16
Hours Needed:				0
Period: 07/15/2008 - 07/14/2011				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	02/04/2010	8
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/17/2010	8
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
Total:				20
Hours Needed:				0
				Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.

- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Material Recovery Facility Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 11/05/2004 • Current period: 11/05/2010 - 11/04/2013 Hours needed before 11/04/2013: 8 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	12/11/2003	8
Total:				Prior
Hours Needed:				
Period: 11/05/2004 - 11/04/2007 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/05/2004	Initial
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/15/2007	8
Total:				16
Hours Needed:				0
Period: 11/05/2007 - 11/04/2010				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	02/04/2010	8
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/17/2010	8
Total:				16
Hours Needed:				0
				Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.

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Spotter / Waste Screener				Status: Current
<ul style="list-style-type: none"> • Initial Date: 02/04/2010 • Current period: 02/04/2010 - 02/03/2013 - (Initial Period) Hours needed before 02/03/2013: 0 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	12/11/2003	8
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/05/2004	4
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	4
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/15/2007	8
Total:				Prior
Hours Needed:				
Period: 02/04/2010 - 02/03/2013 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	02/04/2010	Initial
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/17/2010	8
Total:				8
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Mitchell, Lincoln
 Solid Waste Supervisor
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Transfer Station Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 11/05/2004 Current period: 11/05/2010 - 11/04/2013 Hours needed before 11/04/2013: 8 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	12/11/2003	8	
Total:				Prior	
Hours Needed:					
Period: 11/05/2004 - 11/04/2007 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/05/2004	Initial	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	08/15/2007	8	
Total:				16	
Hours Needed:				0	
Period: 11/05/2007 - 11/04/2010					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	02/04/2010	8	
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	02/17/2010	8	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
Total:				20	
Hours Needed:				0	
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.

- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Montgomery, James
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 02/24/2006 Current period: 02/24/2012 - 02/23/2015 Hours needed before 02/23/2015: 16 					
Period: 02/24/2006 - 02/23/2009 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	02/24/2006	Initial	
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16	
				Total:	16
				Hours Needed:	0
Period: 02/24/2009 - 02/23/2012					
Course	Course Name	Provider	Completion Date	Hours	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	8	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4	
				Total:	16
				Hours Needed:	0
					Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Montgomery, James
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
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Phone: (352) 671-8465

Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 02/24/2006 • Current period: 02/24/2012 - 02/23/2015 Hours needed before 02/23/2015: 16 				
Period: 02/24/2006 - 02/23/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	02/24/2006	Initial
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16
Total:				16
Hours Needed:				0
Period: 02/24/2009 - 02/23/2012				
Course	Course Name	Provider	Completion Date	Hours
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	8
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4
Total:				16
Hours Needed:				0
				Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Montgomery, James
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Spotter / Waste Screener				Status: Current
<ul style="list-style-type: none"> Initial Date: 10/20/2011 Current period: 10/20/2011 - 10/19/2014 - (Initial Period) Hours needed before 10/19/2014: 0 				
Period: 10/20/2011 - 10/19/2014 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	Initial
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4
Total:				4
Hours Needed:				0
				Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact dienkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Perry, Lorenda
 Solid Waste Operator
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 11/19/2010 • Current period: 11/19/2010 - 11/18/2013 - (Initial Period) Hours needed before 11/18/2013: 8 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/19/2008	8
Total:				Prior
Hours Needed:				
Period: 11/19/2010 - 11/18/2013 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	11/19/2010	Initial
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8
Total:				8
Hours Needed:				8
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Perry, Lorenda
 Solid Waste Operator
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> Initial Date: 11/19/2010 Current period: 11/19/2010 - 11/18/2013 - (Initial Period) Hours needed before 11/18/2013: 8 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/19/2008	8
Total:				Prior
Hours Needed:				
Period: 11/19/2010 - 11/18/2013 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	11/19/2010	Initial
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8
Total:				8
Hours Needed:				8
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Perry, Lorenda
 Solid Waste Operator
 Marion County Solid Waste
 5601 SE 66th St.
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Phone: (352) 671-8465

Spotter / Waste Screener					Status: Current
<ul style="list-style-type: none"> • Initial Date: 11/19/2008 • Current period: 11/19/2011 - 11/18/2014 Hours needed before 11/18/2014: 0 					
Period: 11/19/2008 - 11/18/2011 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/19/2008	Initial	
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	11/19/2010	4	
Total:				4	
Hours Needed:				0	
Period: 11/19/2011 - 11/18/2014					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	04/27/2012	8	
Total:				8	
Hours Needed:				0	
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Sims, Mike D.
 Solid Waste Director
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 11/18/2011 Current period: 11/18/2011 - 11/17/2014 - (Initial Period) Hours needed before 11/17/2014: 16 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
36	Waste Screening and Identification for Landfill Operators and Spotters	SCS Engineers	04/29/1997	8	
107	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [5/4-6/98]	University of Florida - TREEO	05/06/1998	7	
106	FDEP HHW & Conditionally Exempt SQG Waste Mgmt Mtg [5/6-8/98]	University of Florida - TREEO	05/07/1998	5	
152	Groundwater Issues for Landfill Operators	University of Florida - TREEO	04/12/2000	6	
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
197	16-Hour Initial Training Course for Materials Recovery Facility (MRF) Operators	University of Florida - TREEO	03/29/2002	10	
196	16-Hour Initial Training Course for Transfer Station Operators	University of Florida - TREEO	03/29/2002	10	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5	
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/03/2004	8	
285	Chemical Compatibility and Storage	University of Florida - TREEO	11/15/2005	8	
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America	03/01/2007	30	
				Total:	Prior
				Hours Needed:	
Period: 11/18/2011 - 11/17/2014 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	11/18/2011	Initial	
				Total:	0
				Hours Needed:	16
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Sims, Mike D.
 Solid Waste Director
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator					Status: Current
<ul style="list-style-type: none"> • Initial Date: 11/18/2011 • Current period: 11/18/2011 - 11/17/2014 - (Initial Period) Hours needed before 11/17/2014: 16 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
21	Solid Waste Landfill Operator's Short School	Solid Waste Association of North America (SWANA - Florida Chapter)	11/15/1996	20	
36	Waste Screening and Identification for Landfill Operators and Spotters	SCS Engineers	04/29/1997	8	
107	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [5/4-6/98]	University of Florida - TREEO	05/06/1998	7	
106	FDEP HHW & Conditionally Exempt SQG Waste Mgmt Mtg [5/6-8/98]	University of Florida - TREEO	05/07/1998	5	
152	Groundwater Issues for Landfill Operators	University of Florida - TREEO	04/12/2000	6	
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
197	16-Hour Initial Training Course for Materials Recovery Facility (MRF) Operators	University of Florida - TREEO	03/29/2002	10	
196	16-Hour Initial Training Course for Transfer Station Operators	University of Florida - TREEO	03/29/2002	10	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5	
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/03/2004	8	
285	Chemical Compatibility and Storage	University of Florida - TREEO	11/15/2005	8	
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America	03/01/2007	30	
Total:				Prior	
Hours Needed:					
Period: 11/18/2011 - 11/17/2014 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
442	Initial Training Course for Landfill Operators and C&D Sites - 24 Hour	University of Florida - TREEO	11/18/2011	Initial	
Total:				0	
Hours Needed:				16	

Status: **Current**

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Starkey, Larry
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 11/18/2005 Current period: 11/18/2011 - 11/17/2014 Hours needed before 11/17/2014: 4 					
Period: 11/18/2005 - 11/17/2008 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	University of Florida - TREEO	11/18/2005	Initial	
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2	
500	Excavation and Trenching Safety Procedures	University of Florida - TREEO	06/23/2008	4	
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/23/2008	4	
495	Heavy Equipment Safety	University of Florida - TREEO	06/24/2008	4	
497	Personal Protection Equipment (PPE) and Safety Procedures	University of Florida - TREEO	06/24/2008	4	
Total:				18	
Hours Needed:				0	
Period: 11/18/2008 - 11/17/2011					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	8	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8	
Total:				16	
Hours Needed:				0	
Period: 11/18/2011 - 11/17/2014					
Course	Course Name	Provider	Completion Date	Hours	
443	Initial Training Course for Transfer Station Operators and Material Recovery Facilities - 16 Hour	University of Florida - TREEO	01/31/2012	12	
Total:				12	
Hours Needed:				4	
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility

4 hours Spotter

- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Starkey, Larry
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> Initial Date: 11/18/2005 Current period: 11/18/2011 - 11/17/2014 Hours needed before 11/17/2014: 4 				
Period: 11/18/2005 - 11/17/2008 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	University of Florida - TREEO	11/18/2005	Initial
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2
500	Excavation and Trenching Safety Procedures	University of Florida - TREEO	06/23/2008	4
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/23/2008	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/24/2008	4
497	Personal Protection Equipment (PPE) and Safety Procedures	University of Florida - TREEO	06/24/2008	4
Total:				18
Hours Needed:				0
Period: 11/18/2008 - 11/17/2011				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	8
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8
Total:				16
Hours Needed:				0
Period: 11/18/2011 - 11/17/2014				
Course	Course Name	Provider	Completion Date	Hours
443	Initial Training Course for Transfer Station Operators and Material Recovery Facilities - 16 Hour	University of Florida - TREEO	01/31/2012	12
Total:				12
Hours Needed:				4
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility

4 hours Spotter

- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Starkey, Larry
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
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Phone: (352) 671-8465

Material Recovery Facility Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 01/31/2012 Current period: 01/31/2012 - 01/30/2015 - (Initial Period) Hours needed before 01/30/2015: 8 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2	
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/23/2008	4	
495	Heavy Equipment Safety	University of Florida - TREEO	06/24/2008	4	
497	Personal Protection Equipment (PPE) and Safety Procedures	University of Florida - TREEO	06/24/2008	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	8	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8	
				Total:	Prior
				Hours Needed:	
Period: 01/31/2012 - 01/30/2015 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
443	Initial Training Course for Transfer Station Operators and Material Recovery Facilities - 16 Hour	University of Florida - TREEO	01/31/2012	Initial	
				Total:	0
				Hours Needed:	8
					Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.

- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Starkey, Larry
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Spotter / Waste Screener					Status: Current
<ul style="list-style-type: none"> Initial Date: 06/24/2011 Current period: 06/24/2011 - 06/23/2014 - (Initial Period) Hours needed before 06/23/2014: 0 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2	
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/23/2008	4	
495	Heavy Equipment Safety	University of Florida - TREEO	06/24/2008	4	
497	Personal Protection Equipment (PPE) and Safety Procedures	University of Florida - TREEO	06/24/2008	4	
				Total:	Prior
				Hours Needed:	
Period: 06/24/2011 - 06/23/2014 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	Initial	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	4	
443	Initial Training Course for Transfer Station Operators and Material Recovery Facilities - 16 Hour	University of Florida - TREEO	01/31/2012	4	
				Total:	8
				Hours Needed:	0
					Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.

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Florida DEP Solid Waste Management Facility Operator Courses

Starkey, Larry
 Solid Waste Supervisor
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Transfer Station Operator				Status: Current
<ul style="list-style-type: none"> Initial Date: 01/31/2012 Current period: 01/31/2012 - 01/30/2015 - (Initial Period) Hours needed before 01/30/2015: 8 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
396	SWANA-FL Chapter Annual Road-e-o Safety Training	Solid Waste Association of North America (SWANA - Florida Chapter)	03/24/2006	2
494	Permit Required Confined Space Awareness	University of Florida - TREEO	06/23/2008	4
495	Heavy Equipment Safety	University of Florida - TREEO	06/24/2008	4
497	Personal Protection Equipment (PPE) and Safety Procedures	University of Florida - TREEO	06/24/2008	4
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	06/24/2011	8
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/22/2011	8
Total:				Prior
Hours Needed:				
Period: 01/31/2012 - 01/30/2015 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
443	Initial Training Course for Transfer Station Operators and Material Recovery Facilities - 16 Hour	University of Florida - TREEO	01/31/2012	Initial
Total:				0
Hours Needed:				8
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.

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Florida DEP Solid Waste Management Facility Operator Courses

Warrington-Bateman, Royet R
 Environmental Manager
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8476

Construction and Demolition Debris Landfill Operator Status: **Current**
 • Initial Date: 09/02/2005
 • Current period: 09/02/2011 - 09/01/2014 Hours needed before 09/01/2014: 16

Period: Prior Courses

Course	Course Name	Provider	Completion Date	Hours
63	Hazardous Waste Regulations for Generators	University of Florida - TREEO	03/21/2001	4
69	40-hour OSHA HAZWOPER Training Course	University of Florida - TREEO	04/06/2001	8
49	Landfill Gas and Leachate Systems	University of Florida - TREEO	10/31/2001	8
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
112	U.S. DOT Hazardous Materials/Waste Transportation	University of Florida - TREEO	08/15/2002	6
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/31/2002	8
266	FDEP 8-Hour HazWoper OSHA Refresher [5/5/03, 5/9/03]	Florida Department of Environmental Protection (SQG)	05/05/2003	4
265	FDEP HHW & Conditionally Exempt SQG [5/7-8/03]	Florida Department of Environmental Protection (SQG)	05/08/2003	5
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/19/2003	10
285	Chemical Compatibility and Storage	University of Florida - TREEO	10/26/2004	8
360	FDEP HHW & Conditionally Exempt SQG & NAHMMA Conf [12/2004]	Florida Department of Environmental Protection (SQG)	12/06/2004	5
Total:				Prior
Hours Needed:				

Period: 09/02/2005 - 09/01/2008 - (Initial Period)

Course	Course Name	Provider	Completion Date	Hours
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	09/02/2005	Initial
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/08/2005	8
434	FDEP Household Hazardous Waste Workshop [5/1-3/06]	Florida Department of Environmental Protection	05/03/2006	5
361	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	05/04/2006	4
433	FDEP Annuals SQG Workshop [5/3-5/06]	Florida Department of Environmental Protection	05/05/2006	5
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/14/2006	8
228	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	04/30/2007	4

267	FDEP DOT 4-Hour Awareness Training [5/5/03, 12/04]	Florida Department of Environmental Protection (SQG)	05/04/2007	2	
				Total:	36
				Hours Needed:	0
Period: 09/02/2008 - 09/01/2011					
Course	Course Name	Provider	Completion Date	Hours	
528	NAHAMMA Conference HHW / SQG Workshop - 2009 - General Session	FDEP/NAHMMA - Florida Chapter	05/07/2009	4	
555	HazMat IQ	FDEP/NAHMMA - Florida Chapter	05/07/2009	4	
623	8 Hour HazWoper Refresher Training	Trident Consulting Group	03/31/2010	4	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
				Total:	16
				Hours Needed:	0
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Warrington-Bateman, Royet R
 Environmental Manager
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8476

Class I, III Landfill Operator				Status: Current
<ul style="list-style-type: none"> Initial Date: 09/02/2005 Current period: 09/02/2011 - 09/01/2014 Hours needed before 09/01/2014: 16 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
63	Hazardous Waste Regulations for Generators	University of Florida - TREEO	03/21/2001	4
69	40-hour OSHA HAZWOPER Training Course	University of Florida - TREEO	04/06/2001	8
49	Landfill Gas and Leachate Systems	University of Florida - TREEO	10/31/2001	8
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
112	U.S. DOT Hazardous Materials/Waste Transportation	University of Florida - TREEO	08/15/2002	6
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/31/2002	8
266	FDEP 8-Hour HazWoper OSHA Refresher [5/5/03, 5/9/03]	Florida Department of Environmental Protection (SQG)	05/05/2003	4
265	FDEP HHW & Conditionally Exempt SQG [5/7-8/03]	Florida Department of Environmental Protection (SQG)	05/08/2003	5
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/19/2003	10
285	Chemical Compatibility and Storage	University of Florida - TREEO	10/26/2004	8
360	FDEP HHW & Conditionally Exempt SQG & NAHMMMA Conf [12/2004]	Florida Department of Environmental Protection (SQG)	12/06/2004	5
Total:				Prior
Hours Needed:				
Period: 09/02/2005 - 09/01/2008 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	09/02/2005	Initial
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/08/2005	8
434	FDEP Household Hazardous Waste Workshop [5/1-3/06]	Florida Department of Environmental Protection	05/03/2006	5
361	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	05/04/2006	4
433	FDEP Annuals SQG Workshop [5/3-5/06]	Florida Department of Environmental Protection	05/05/2006	5
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/14/2006	8
228	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	04/30/2007	4

267	FDEP DOT 4-Hour Awareness Training [5/5/03, 12/04]	Florida Department of Environmental Protection (SQG)	05/04/2007	2	
				Total:	36
				Hours Needed:	0
Period: 09/02/2008 - 09/01/2011					
Course	Course Name	Provider	Completion Date	Hours	
528	NAHAMMA Conference HHW / SQG Workshop - 2009 - General Session	FDEP/NAHMMA - Florida Chapter	05/07/2009	4	
555	HazMat IQ	FDEP/NAHMMA - Florida Chapter	05/07/2009	4	
623	8 Hour HazWoper Refresher Training	Trident Consulting Group	03/31/2010	4	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
				Total:	16
				Hours Needed:	0
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Warrington-Bateman, Royet R
 Environmental Manager
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8476

Material Recovery Facility Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 11/19/2003 Current period: 11/19/2009 - 11/18/2012 Hours needed before 11/18/2012: 4 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
63	Hazardous Waste Regulations for Generators	University of Florida - TREEO	03/21/2001	4	
69	40-hour OSHA HAZWOPER Training Course	University of Florida - TREEO	04/06/2001	8	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5	
112	U.S. DOT Hazardous Materials/Waste Transportation	University of Florida - TREEO	08/15/2002	6	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/31/2002	8	
266	FDEP 8-Hour HazWoper OSHA Refresher [5/5/03, 5/9/03]	Florida Department of Environmental Protection (SQG)	05/05/2003	4	
265	FDEP HHW & Conditionally Exempt SQG [5/7-8/03]	Florida Department of Environmental Protection (SQG)	05/08/2003	5	
				Total:	Prior
				Hours Needed:	
Period: 11/19/2003 - 11/18/2006 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/19/2003	Initial	
285	Chemical Compatibility and Storage	University of Florida - TREEO	10/26/2004	8	
360	FDEP HHW & Conditionally Exempt SQG & NAHMMA Conf [12/2004]	Florida Department of Environmental Protection (SQG)	12/06/2004	5	
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	09/02/2005	8	
434	FDEP Household Hazardous Waste Workshop [5/1-3/06]	Florida Department of Environmental Protection	05/03/2006	5	
361	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	05/04/2006	4	
433	FDEP Annuals SQG Workshop [5/3-5/06]	Florida Department of Environmental Protection	05/05/2006	5	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/14/2006	8	
				Total:	43
				Hours Needed:	0
Period: 11/19/2006 - 11/18/2009					

Course	Course Name	Provider	Completion Date	Hours
228	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	04/30/2007	4
267	FDEP DOT 4-Hour Awareness Training [5/5/03, 12/04]	Florida Department of Environmental Protection (SQG)	05/04/2007	2
555	HazMat IQ	FDEP/NAHMMA - Florida Chapter	05/07/2009	4
528	NAHAMMA Conference HHW / SQG Workshop - 2009 - General Session	FDEP/NAHMMA - Florida Chapter	05/07/2009	4
Total:				14
Hours Needed:				0
Period: 11/19/2009 - 11/18/2012				
Course	Course Name	Provider	Completion Date	Hours
623	8 Hour HazWoper Refresher Training	Trident Consulting Group	03/31/2010	4
Total:				4
Hours Needed:				4
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Warrington-Bateman, Royet R
 Environmental Manager
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8476

Spotter / Waste Screener					Status: Current
<ul style="list-style-type: none"> Initial Date: 10/31/2002 Current period: 10/31/2011 - 10/30/2014 Hours needed before 10/30/2014: 4 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
63	Hazardous Waste Regulations for Generators	University of Florida - TREEO	03/21/2001	4	
69	40-hour OSHA HAZWOPER Training Course	University of Florida - TREEO	04/06/2001	4	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5	
				Total:	Prior
				Hours Needed:	
Period: 10/31/2002 - 10/30/2005 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/31/2002	Initial	
266	FDEP 8-Hour HazWoper OSHA Refresher [5/5/03, 5/9/03]	Florida Department of Environmental Protection (SQG)	05/05/2003	4	
265	FDEP HHW & Conditionally Exempt SQG [5/7-8/03]	Florida Department of Environmental Protection (SQG)	05/08/2003	5	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/19/2003	4	
285	Chemical Compatibility and Storage	University of Florida - TREEO	10/26/2004	4	
360	FDEP HHW & Conditionally Exempt SQG & NAHMMA Conf [12/2004]	Florida Department of Environmental Protection (SQG)	12/06/2004	5	
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	09/02/2005	4	
				Total:	26
				Hours Needed:	0
Period: 10/31/2005 - 10/30/2008					
Course	Course Name	Provider	Completion Date	Hours	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/14/2006	4	
228	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	04/30/2007	4	
267	FDEP DOT 4-Hour Awareness Training [5/5/03, 12/04]	Florida Department of Environmental Protection (SQG)	05/04/2007	2	
				Total:	10
				Hours Needed:	0

Period: **10/31/2008 - 10/30/2011**

Course	Course Name	Provider	Completion Date	Hours
555	HazMat IQ	FDEP/NAHMMA - Florida Chapter	05/07/2009	4
528	NAHAMMA Conference HHW / SQG Workshop - 2009 - General Session	FDEP/NAHMMA - Florida Chapter	05/07/2009	4
623	8 Hour HazWoper Refresher Training	Trident Consulting Group	03/31/2010	4
Total:				12
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Warrington-Bateman, Royet R
 Environmental Manager
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8476

Transfer Station Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 11/19/2003 • Current period: 11/19/2009 - 11/18/2012 Hours needed before 11/18/2012: 0 				
Period: Prior Courses				
Course	Course Name	Provider	Completion Date	Hours
63	Hazardous Waste Regulations for Generators	University of Florida - TREEO	03/21/2001	4
69	40-hour OSHA HAZWOPER Training Course	University of Florida - TREEO	04/06/2001	8
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	06/20/2002	5
112	U.S. DOT Hazardous Materials/Waste Transportation	University of Florida - TREEO	08/15/2002	6
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/31/2002	8
266	FDEP 8-Hour HazWoper OSHA Refresher [5/5/03, 5/9/03]	Florida Department of Environmental Protection (SQG)	05/05/2003	4
265	FDEP HHW & Conditionally Exempt SQG [5/7-8/03]	Florida Department of Environmental Protection (SQG)	05/08/2003	5
Total:				Prior
Hours Needed:				
Period: 11/19/2003 - 11/18/2006 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	11/19/2003	Initial
285	Chemical Compatibility and Storage	University of Florida - TREEO	10/26/2004	8
360	FDEP HHW & Conditionally Exempt SQG & NAHMMMA Conf [12/2004]	Florida Department of Environmental Protection (SQG)	12/06/2004	5
160	SWANA-Manager of Landfill Operations (MOLO) Course and Exam	Solid Waste Association of North America (SWANA - Florida Chapter)	09/02/2005	8
434	FDEP Household Hazardous Waste Workshop [5/1-3/06]	Florida Department of Environmental Protection	05/03/2006	5
361	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	05/04/2006	4
433	FDEP Annuals SQG Workshop [5/3-5/06]	Florida Department of Environmental Protection	05/05/2006	5
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	09/14/2006	8
Total:				43
Hours Needed:				0
Period: 11/19/2006 - 11/18/2009				

Course	Course Name	Provider	Completion Date	Hours
228	FDEP 8 Hour HazWoper OSHA Refresher	FDEP [Kenton Brown]	04/30/2007	4
267	FDEP DOT 4-Hour Awareness Training [5/5/03, 12/04]	Florida Department of Environmental Protection (SQG)	05/04/2007	2
555	HazMat IQ	FDEP/NAHMMA - Florida Chapter	05/07/2009	4
528	NAHAMMA Conference HHW / SQG Workshop - 2009 - General Session	FDEP/NAHMMA - Florida Chapter	05/07/2009	4
Total:				14
Hours Needed:				0
Period: 11/19/2009 - 11/18/2012				
Course	Course Name	Provider	Completion Date	Hours
623	8 Hour HazWoper Refresher Training	Trident Consulting Group	03/31/2010	4
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
Total:				8
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Warrick, Raymond
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Spotter / Waste Screener					Status: Current
<ul style="list-style-type: none"> Initial Date: 10/20/2011 Current period: 10/20/2011 - 10/19/2014 - (Initial Period) Hours needed before 10/19/2014: 0 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	01/27/2006	4	
				Total:	Prior
				Hours Needed:	
Period: 10/20/2011 - 10/19/2014 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	Initial	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4	
				Total:	4
				Hours Needed:	0
					Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
- If you have any questions, please contact djenkins@treeo.ufl.edu or mkeilhauer@treeo.ufl.edu or call (352) 392-9570 extensions 227 or 230.

Florida DEP Solid Waste Management Facility Operator Courses

Warrick, Raymond
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Material Recovery Facility Operator				Status: Current
<ul style="list-style-type: none"> • Initial Date: 01/27/2006 • Current period: 01/27/2012 - 01/26/2015 Hours needed before 01/26/2015: 4 				
Period: 01/27/2006 - 01/26/2009 - (Initial Period)				
Course	Course Name	Provider	Completion Date	Hours
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	01/27/2006	Initial
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16
Total:				16
Hours Needed:				0
Period: 01/27/2009 - 01/26/2012				
Course	Course Name	Provider	Completion Date	Hours
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	8
Total:				8
Hours Needed:				0
Period: 01/27/2012 - 01/26/2015				
Course	Course Name	Provider	Completion Date	Hours
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4
Total:				4
Hours Needed:				4
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Warrick, Raymond
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 02/24/2006 Current period: 02/24/2012 - 02/23/2015 Hours needed before 02/23/2015: 16 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	01/27/2006	10	
				Total:	Prior
				Hours Needed:	
Period: 02/24/2006 - 02/23/2009 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	02/24/2006	Initial	
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16	
				Total:	16
				Hours Needed:	0
Period: 02/24/2009 - 02/23/2012					
Course	Course Name	Provider	Completion Date	Hours	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	8	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4	
				Total:	16
				Hours Needed:	0
					Status: Current

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.

- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Construction and Demolition Debris Landfill Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 02/24/2006 Current period: 02/24/2012 - 02/23/2015 Hours needed before 02/23/2015: 16 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	01/27/2006	10	
Total:				Prior	
Hours Needed:					
Period: 02/24/2006 - 02/23/2009 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III and C&D Sites)	Kohl Consulting, Inc.	02/24/2006	Initial	
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16	
Total:				16	
Hours Needed:				0	
Period: 02/24/2009 - 02/23/2012					
Course	Course Name	Provider	Completion Date	Hours	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	8	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4	
Total:				16	
Hours Needed:				0	
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.

- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

Warrick, Raymond
 Solid Waste Operator
 Marion County Solid Waste Department
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Transfer Station Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 01/27/2006 Current period: 01/27/2012 - 01/26/2015 Hours needed before 01/26/2015: 4 					
Period: 01/27/2006 - 01/26/2009 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
225	19-Hour Initial Training Course for Transfer Station Operators and MRF Operators	Kohl Consulting, Inc.	01/27/2006	Initial	
212	Introduction to Electrical Maintenance	University of Florida - TREEO	06/26/2008	16	
Total:				16	
Hours Needed:				0	
Period: 01/27/2009 - 01/26/2012					
Course	Course Name	Provider	Completion Date	Hours	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/20/2011	8	
Total:				12	
Hours Needed:				0	
Period: 01/27/2012 - 01/26/2015					
Course	Course Name	Provider	Completion Date	Hours	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	01/30/2012	4	
Total:				4	
Hours Needed:				4	
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.

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Florida DEP Solid Waste Management Facility Operator Courses

White, Tom
 Assistant Solid Waste Director
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Spotter / Waste Screener					Status: Current
<ul style="list-style-type: none"> Initial Date: 09/27/2010 Current period: 09/27/2010 - 09/26/2013 - (Initial Period) Hours needed before 09/26/2013: 0 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
73	Wet Weather Operations	University of Florida - TREEO	04/29/1998	4	
75	Landfill Compliance Inspections	University of Florida - TREEO	04/29/1998	2	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/14/1999	4	
146	Recycling Disaster Debris [8/6/99]	University of Central Florida/Engineering	08/06/1999	6	
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	4	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	07/20/2002	5	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/25/2006	8	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	4	
Total:				Prior	
Hours Needed:					
Period: 09/27/2010 - 09/26/2013 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	09/27/2010	Initial	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/17/2010	4	
Total:				4	
Hours Needed:				0	
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter

- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Assistant Solid Waste Director
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Material Recovery Facility Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 03/29/2002 Current period: 03/29/2011 - 03/28/2014 Hours needed before 03/28/2014: 8 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/14/1999	4	
110	Fires at Landfills	University of Florida - TREEO	01/14/1999	2	
146	Recycling Disaster Debris [8/6/99]	University of Central Florida/Engineering	08/06/1999	6	
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
				Total:	Prior
				Hours Needed:	
Period: 03/29/2002 - 03/28/2005 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
197	16-Hour Initial Training Course for Materials Recovery Facility (MRF) Operators	University of Florida - TREEO	03/29/2002	Initial	
196	16-Hour Initial Training Course for Transfer Station Operators	University of Florida - TREEO	03/29/2002	8	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	07/20/2002	5	
326	SWANA-FL 2004 Spring Tri-State Conference [4/4-7/04]	Solid Waste Association of North America (SWANA - Florida Chapter)	04/07/2004	12	
				Total:	25
				Hours Needed:	0
Period: 03/29/2005 - 03/28/2008					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/25/2006	8	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8	
				Total:	16
				Hours Needed:	0
Period: 03/29/2008 - 03/28/2011					

Course	Course Name	Provider	Completion Date	Hours
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	09/27/2010	8
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/17/2010	4
Total:				12
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

White, Tom
 Assistant Solid Waste Director
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Class I, III Landfill Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 05/16/1997 Current period: 05/16/2009 - 05/15/2012 Hours needed before 05/15/2012: 0 					
Period: 05/16/1997 - 05/15/2000 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
21	Solid Waste Landfill Operator's Short School	Solid Waste Association of North America (SWANA - Florida Chapter)	05/16/1997	Initial	
73	Wet Weather Operations	University of Florida - TREEO	04/29/1998	4	
75	Landfill Compliance Inspections	University of Florida - TREEO	04/29/1998	2	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/14/1999	4	
110	Fires at Landfills	University of Florida - TREEO	01/14/1999	2	
146	Recycling Disaster Debris [8/6/99]	University of Central Florida/Engineering	08/06/1999	6	
Total:				18	
Hours Needed:				0	
Period: 05/16/2000 - 05/15/2003					
Course	Course Name	Provider	Completion Date	Hours	
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
197	16-Hour Initial Training Course for Materials Recovery Facility (MRF) Operators	University of Florida - TREEO	03/29/2002	10	
196	16-Hour Initial Training Course for Transfer Station Operators	University of Florida - TREEO	03/29/2002	10	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	07/20/2002	5	
Total:				41	
Hours Needed:				0	
Period: 05/16/2003 - 05/15/2006					
Course	Course Name	Provider	Completion Date	Hours	
326	SWANA-FL 2004 Spring Tri-State Conference [4/4-7/04]	Solid Waste Association of North America (SWANA - Florida Chapter)	04/07/2004	12	
229	Landfill Compaction Training School-8 hours	Caterpilla & Ringhaver Equipment	11/03/2004	8	

				Total:	20
				Hours Needed:	0
Period: 05/16/2006 - 05/15/2009					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/25/2006	8	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8	
				Total:	16
				Hours Needed:	0
Period: 05/16/2009 - 05/15/2012					
Course	Course Name	Provider	Completion Date	Hours	
462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	09/27/2010	8	
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4	
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/17/2010	4	
				Total:	16
				Hours Needed:	0
Status: Current					

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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Florida DEP Solid Waste Management Facility Operator Courses

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 Assistant Solid Waste Director
 Marion County Solid Waste
 5601 SE 66th St.
 Ocala, FL 34480

Phone: (352) 671-8465

Transfer Station Operator					Status: Current
<ul style="list-style-type: none"> Initial Date: 03/29/2002 Current period: 03/29/2011 - 03/28/2014 Hours needed before 03/28/2014: 8 					
Period: Prior Courses					
Course	Course Name	Provider	Completion Date	Hours	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/14/1999	4	
146	Recycling Disaster Debris [8/6/99]	University of Central Florida/Engineering	08/06/1999	6	
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	12/06/2000	8	
156	Four Hour Spotter Refresher for Class I, II and III Landfills, Waste Processing Facilities and C&D Facilities	Kohl Consulting, Inc.	01/22/2002	4	
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	01/22/2002	4	
Total:				Prior	
Hours Needed:					
Period: 03/29/2002 - 03/28/2005 - (Initial Period)					
Course	Course Name	Provider	Completion Date	Hours	
196	16-Hour Initial Training Course for Transfer Station Operators	University of Florida - TREEO	03/29/2002	Initial	
197	16-Hour Initial Training Course for Materials Recovery Facility (MRF) Operators	University of Florida - TREEO	03/29/2002	8	
388	Permit Required Confined Space Training	Jones, Edmunds & Associates, Inc.	07/20/2002	5	
326	SWANA-FL 2004 Spring Tri-State Conference [4/4-7/04]	Solid Waste Association of North America (SWANA - Florida Chapter)	04/07/2004	12	
Total:				25	
Hours Needed:				0	
Period: 03/29/2005 - 03/28/2008					
Course	Course Name	Provider	Completion Date	Hours	
248	Spotter Training for Solid Waste Facilities	University of Florida - TREEO	10/25/2006	8	
281	Health and Safety for Solid Waste Workers-8 Hours	University of Florida - TREEO	03/01/2007	8	
Total:				16	
Hours Needed:				0	
Period: 03/29/2008 - 03/28/2011					
Course	Course Name	Provider	Completion Date	Hours	

462	8-Hour Training Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	09/27/2010	8
206	Bird and Wildlife Management for Solid Waste Facilities- 4 Hour	University of Florida - TREEO	10/28/2010	4
463	4-Hour Refresher Course for Spotters at Landfills, C&D Sites and Transfer Stations	University of Florida - TREEO	11/17/2010	4
Total:				16
Hours Needed:				0
Status: Current				

- Continuing Education (CE) Minimum 3 Year Requirements:
 - 16 hours Class I II III Landfill / Construction and Demolition Debris
 - 8 hours Transfer Station / Material Recovery Facility
 - 4 hours Spotter
- **Expired:** If you have exceeded the 3 year training period without achieving the minimum continuing education, you must start over by taking an approved initial course and pass exam. There is not a grace period.
- Initial hours are not counted toward continuing education.
- An Initial course can be taken as a continuing education course only if it was not taken as the operator's or spotter's initial training. No CE credit will be given for the same course taken within the same 3-year period.
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ATTACHMENT 2

SOLID WASTE EMERGENCY MANAGEMENT PLAN

MEMORANDUM



TO: Mike Sims, Marion County Solid Waste Director
FROM: Carol Sawyer, PE
XC: Project File
DATE: June 25, 2012
SUBJECT: Marion County Disaster Debris Management Sites

Marion County has received pre-authorization from the Florida Department of Environmental Protection for the following Disaster Debris Management Sites (DDMS). These sites will be used as temporary debris storage sites. Available figures are attached for reference.

WACS ID: 98033

Intersection of SE 58th Ave and SE 92nd Place Road
Intersection of SE 58th Ave and SE 92nd Place Road, Marion County
Lat 29:5:10.64 / Long 82:3:11.64
Type(s) of Debris Managed: Construction & Demolition debris, Yard Trash

WACS ID: 98034

Intersection of SW 60th Ave and SW 95th Street
NE Corner, Marion County
Lat 29:5:6.04 / Long 82:13:6.02
Type(s) of Debris Managed: Construction & Demolition debris, Yard Trash

WACS ID: 98035

Intersection of NE 47th Ave and NE 35th Street (East of Coe Hadjo Park)
Intersection of NE 47th Ave and NE 35th Street, Marion County
Lat 29:13:22.84 / Long 82:4:25.24
Type(s) of Debris Managed: Construction & Demolition debris, Yard Trash

WACS ID: 98036

NW Debris Management Site
NW 115th St and US 27, Marion County
Lat 29:18:49.9 / Long 82:21:30
Type(s) of Debris Managed: Construction & Demolition debris, Yard Trash

WACS ID: 100739

County Road 315
CR 315 (N of Highway 40), Silver Springs, Marion County
Lat 29:15:41.16 / Long 81:59:49.69
Type(s) of Debris Managed: Construction & Demolition debris, Yard Trash

These sites will be used in accordance with the following information outlined in the pre-authorization letters.

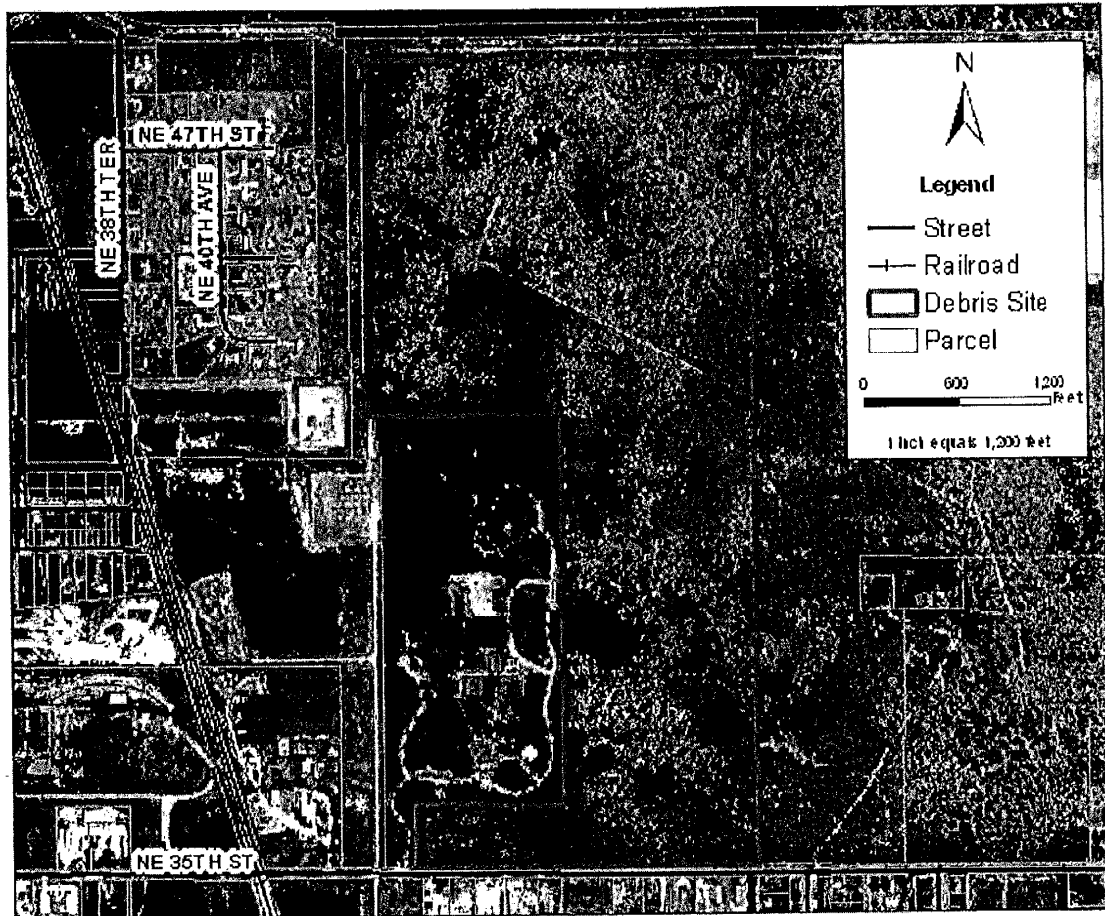
In the event of a major storm event or other disaster which results in the Department issuing an Emergency Final Order (the Order) for your county, you may begin using this temporary DDMS as necessary, while also requesting issuance of a field authorization from the Department. Once activated, a DDMS is subject to the following conditions, in addition to the requirements of the Order and Florida Statute 403.7071:

1. Standing water must not be allowed to accumulate in or within 50 feet of areas used to store or process disaster debris;
2. The Department must be notified in writing when the site is opened and begins accepting debris, and when the site is closed and stops accepting debris;
3. Access must be controlled to prevent unauthorized dumping and scavenging;
4. A DDMS must have spotters to correctly identify and segregate waste types for appropriate management;
5. Once the site is open, a spotter must be located in the area where waste is being deposited in order to spot and remove prohibited waste items;
6. The DDMS is limited to managing the type(s) of debris listed above; any putrescible waste received at the DDMS must be removed from the site within 48 hours; all other types of prohibited waste should be managed in accordance with the guidance document (see link below);
7. Unless otherwise approved by the Department in response to a written request from you, the DDMS must cease operation and all disaster debris must be removed from the sites on or before the expiration date of an Order that has been executed by the Department, unless it is modified or extended by further authorization.

Failure to comply with the conditions of the field authorization, or failure to adequately close a site by the required closure date, may result in enforcement action by the Department.

The Department has also prepared a guidance document on the establishment, operation and closure of a DDMS for disaster debris. This guidance includes recommended practices, which you are expected to follow as much as practicable, as well as additional requirements from the Order. A copy of this guidance document is available on the FDEP website http://www.dep.state.fl.us/mainpage/em/files/debris_guidance.pdf

11.7 NE Debris Management Site (35th Street Site)



Directions from Marion County Transportation Department Located at 412 SE 25th Ave

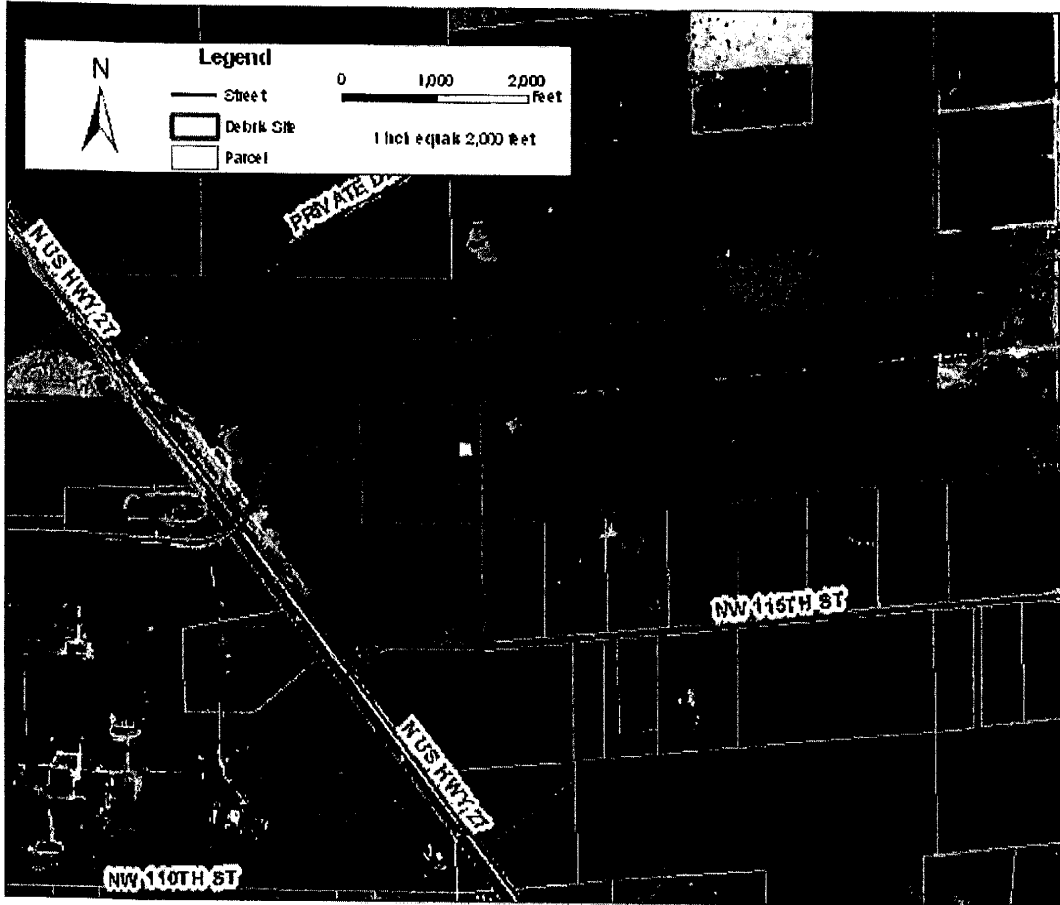
Go north on 25th Ave. to NE 35th St.
Take right on NE 35th St.
Site is property to the east of Coe Hadjo Park

Parcel Number 15855-000-00
221 Acres

Traffic Control

Truck Entering Highway Signs will be posted on NE 35th St., 1000 feet from the entrance of the site for both the east and west lanes of traffic.

11.8 NW Debris Management Site (NW 115th St Site)



Directions from Marion County Transportation Department Located at 412 SE 25th Ave

Go north on 25th Ave. to NE 14th St. Take left.
NE 14th St. turns into Hwy 27.
Take HWY 27 to NW 115th St.

Parcel Number 05816-003-00
2974 Acres

Traffic Control

Truck Entering Highway Signs will be posted on NW 115th St. and HWY 27, 1000 feet from the entrance of the site for both the north and south lanes of traffic.

11.9 SE Debris Management Site (Baseline Site)



Directions from Marion County Transportation Department Located at 412 SE 25th Ave

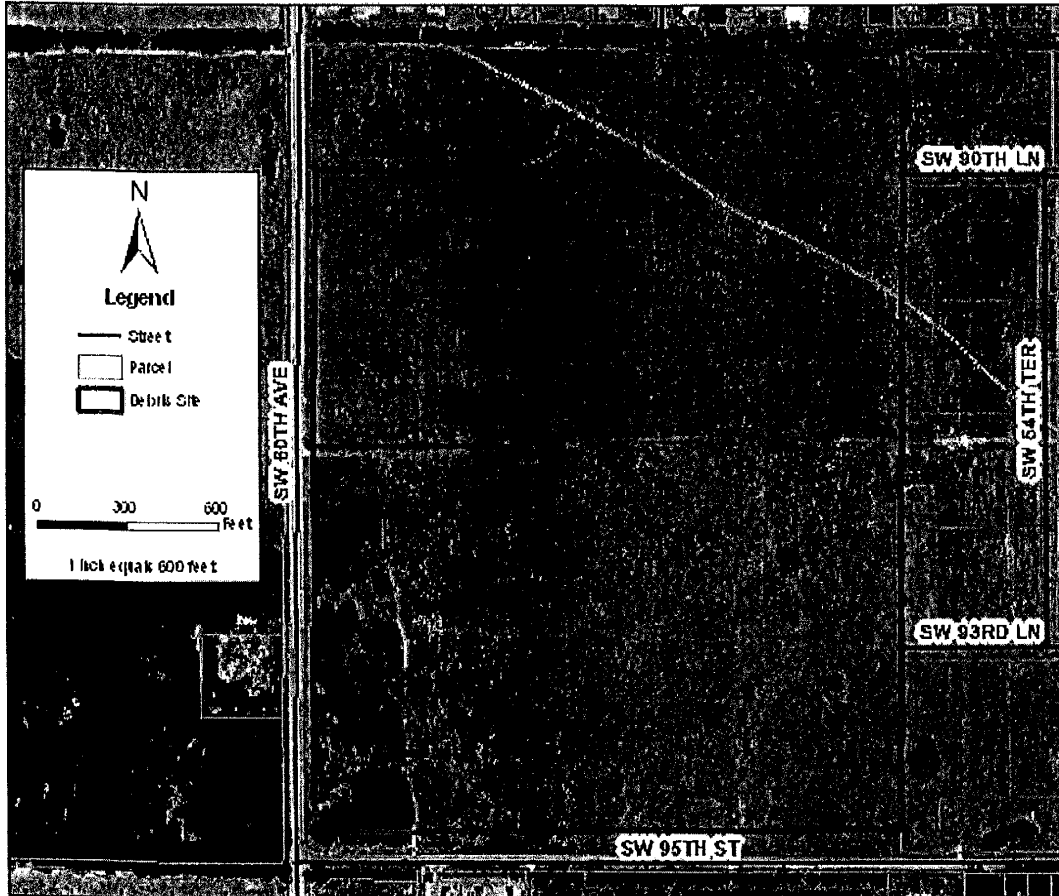
Go south on 25th Ave. to Maricamp road. Take left.
Head South on Maricamp to Baseline Road (SR35). Take right.
Head south on Baseline Rd. (SR35). Site is located directly to the east of SE 92nd Place Rd.

Parcel Number 37515-004-00
61 Acres

Traffic Control

Truck Entering Highway Signs will be posted on SE 92nd Place Rd. and SR35, 1000 feet from the entrance of the site for both the north, south, and east lanes of traffic.

11.10 SW Debris Management Site (95th St. Site)



Directions from Marion County Transportation Department Located at 412 SE 25th Ave

Head south on 25th Ave. to 17th St. (Take Right)
Take 17th St. to SR200. (Take left)
Stay on SR 200 to SW 60th Ave. (Take left)
Site is on the corner of SW 60th Ave. and SW 95th St.

Parcel Number 35699-006-03
35699-006-00

100 Acres

Traffic Control

Truck Entering Highway Signs will be posted on SW 60th Ave. and SW 95th St., 1000 feet from the entrance of the site for both the east, west, north, and south lanes of traffic.

SOLID WASTE EMERGENCY MANAGEMENT PLAN

When the Marion County Board of County Commissioners & County Administrator declare a state of emergency, due to a natural disaster (hurricanes, tornados, etc.), the Emergency Operational Plan will be implemented. The Management structure is:

- Board of County Commissioners
- County Administrator
- Assistant County Administrator, Public Works
- Solid Waste Director
- Risk Management Safety Coordinator
- Solid Waste Safety Coordinator

The Solid Waste Director will implement the Solid Waste Emergency Management Plan after notification from the Assistant County Administrator, Public Works. The Director will instruct the Assistant Solid Waste Director that the Solid Waste Disaster Plan is in effect.

The Solid Waste Director will recommend:

- Changes to the operational hours of the landfill and yard waste areas if necessary.
- If disposal fees should be eliminated by the County Administrator or Board of County Commissioners during the initial phases of the clean-up.
- Special hours of operation for Recycling Centers.
- Hazardous Waste support and response priorities upon request.
- The use of Solid Waste Equipment and Personnel off site to assist in opening of roadways and storm clean-up.

IMPLEMENTATION OF EMERGENCY PLAN

Solid Waste Facilities Preparation

Supervisors are responsible to maintain an updated home telephone list for all Solid Waste Employees and update the Solid Waste Emergency Management Plan first response list semi-annually. The response team will be made up of the following to include:

- Scale Operators
- Solid Waste Operators
- Medium Equipment Operators
- Recycling Center Attendants
- Hazardous Waste
- Litter Crew Leaders

Employees will cover a seven (7) day work schedule if the circumstance warrants. That decision will be made after an initial survey of the damage county wide and the need for Solid Waste staff.

Solid Waste staff will work their normal work schedule and extended hours on a daily basis as needed. Scheduling will ensure that we maintain a high level of productivity and also for staff to have time for personal matters.

Specific responsibilities for Solid Waste Supervisors:

- **A. Solid Waste Disposal Supervisor** - responsible for pre and post storm preparations of all Solid Waste Buildings located at Baseline Disposal Facility, excluding the Hazardous Waste Building. All Landfill Equipment, Pumps and Generators are also included. The purchase of one pallet of bottled 12 oz. or 16 oz. drinking water will be available to employees having un-potable water sources.
1. **Administration Office and Scale House** - If advance storm warnings are received during normal working hours the Administrative and Scale Personnel staff will have responsibility for securing computers, back-up of data and essential paperwork. If there is no advance warning of an impending storm, the Solid Waste Disposal Supervisor will take steps to protect computer data, unplug all non-essential equipment, and secure all pertinent paperwork, blueprints, and billing invoices. Administrative staff will respond to the landfill offices, in the event there was no advance storm warning, during non-working hours when notified by the Director or Assistant Director.
 2. **Transfer Station** - Advanced warning preparations shall consist of the following:
 - Test the generator load for the transfer station, scale house, wet well, and operations crew building and fill with diesel fuel.
 3. **Heavy Equipment (landfill)** - All heavy equipment will be fueled and liquid levels

checked. The fuel truck will fill all diesel, hydraulic and motor oil tanks and top off its fuel tanks. All heavy equipment, except fuel truck, will be parked on the all weather pad in the landfill. The fuel truck will be parked west of the urban cell on landfill road. All doors and windows are to be secured, night lights checked and a flashlight placed in the cab.

4. Landfill Preparations:

- Cover all exposed garbage.
- Prepare yard waste area to accept a large amount of storm debris.
- Check water pumps for oil and fuel. Check all discharge hoses.
- Load loose metal in storage area into open top roll off boxes.
- Secure any items that may become airborne in the Barn area.
- Repair and service all chain saws and have spare blades and oils on hand.
- Check tie downs on Hazardous Waste office and other storage buildings.
- Fill water tanker and park off road west of Urban Cell.
- Purchase spare tarps that can be used to cover damaged roofs if necessary.

5. Scale House

- Back up all computer data.
- Secure all scale tickets and documents.
- Insure all cash banks are in a safe location

B. Household Hazardous Waste Supervisor - responsible for emergency preparations of the Household Hazardous Waste Buildings and the Household Hazardous Waste structures located at the Recycling Centers. All post storm operating procedures and hazardous waste response requests will be supervised by the Environmental Manager.

Hazardous Waste

- Fill leachate tanks above 50% levels.
- Communicate with Aqua Clean about extra loads of Leachate that may need to be transported from the site. The County Utilities Department will be kept aware of excessive Leachate quantities after storm surge and there are any problems transferring Leachate from the site via trucking.
- Check flare, compressor, control console and shed that all is secure.
- Visually inspect landfill gas system.
- Secure all drums, containers, equipment and items that may become airborne.
- Secure all hazardous waste lockers.

Litter

- Notify the weekend Probation and Judicial offices of any schedule changes.
- All vehicles are to be fueled and have liquid levels checked prior to parking. All spare gas cans are to be filled.
- Assist in all pre-storm check lists at Baseline landfill using trustees.

C. Collections Supervisor -

- Park all roll-off and clam bucket trucks, fuel truck, broom tractor, and other non-assigned vehicles west of Urban Cell on service road.
- Have extra hydraulic hoses made for all trucks.
- Have all spare tires repaired and available.
- Have sufficient rakes, shovels and gloves for trucks and drivers.
- Insure all trucks have the proper safety equipment items: hard hats, safety vest, safety glasses, and flags, prior to be dispatched to assist the Road Division.

D. Recycling Supervisor -

- Shut off all power to all sites (including compactors) except flood lights.
- Leave all compactor rams extended into the compaction container and have all recycling container sliding doors closed.
- Secure all items (chairs, umbrellas, signs, etc.) and put in recycling containers.
- Lock all gates and post "Temporarily Closed Due To Emergency" signs on gates.
- Secure all doors and windows at Recycling Centers.

Post Storm Landfill Procedures

Disposal Supervisor

General

- Check Administration building and all other structures for damage and make emergency temporary repairs using trustees.
- Check all buildings for power and report any outage. Remember the landfill is listed as a priority location with Florida Power. The priority number will be distributed to all offices.
- Check entrance gates for downed trees and power lines.
- Check communications (telephones & radio).

- Notify affected shift employees to report to the landfill.
- Visually check all cars, light and heavy trucks parked to the west of Urban Cell for damage.
- If it is necessary to supply food for the employees, during the declared emergency, it will be approved by the Director and provided by Emergency Management.

Landfill

- Check all landfill heavy equipment, on the all weather pad, for damage.
- Check all landfill roads, exterior slopes, retention ponds and drainage ditches for erosion and sink holes.
- Check yard waste area to see if the working area is ready to accept debris. If not, start immediate repairs.
- Check landfill roads and dumping area. Make immediate repairs to receive incoming waste.
- Check 911 Tower for any visible damage and notify the 911 office.
- Do not open the Baseline Facility (landfill) to the public until all roads, dumping areas, buildings, etc. have been checked. The facility will not open until all safety issues are corrected.

Hazardous Specialists

- Check flare and flare operations. If flare is down check that the generator is running and that Progress Energy has been notified. The flare station has a priority number listed with Progress Energy priority.
- Inspect Leachate tanks and tie downs. If sustained winds are below 45 mph start pumping leachate to County, not to exceed our permitted rate of 55 gallons per minute.
- Check all wet wells, both collection and detection, and start pumps if necessary. If there is no power check collection levels routinely.
- Check all stored household hazardous waste for spillage.
- Check all Bio-medical waste Kiosk's at recycling centers for internal water damage and begin decontamination procedures if necessary.
- Check the propane storage tank area. Insure all tanks are properly secured and inspected for damages.
- Coordinate the inspections of all in-coming hospital loads if necessary.
- Notify the weekend Probation and Judicial offices of the resumption of normal schedule.

Litter

- Inspect all trucks for damage and prepare necessary 1001 forms and post storm data entry information.
- Litter employees will be assigned as necessary (driver's, operators, dispatch, etc.) to meet departmental needs.

Recycling Supervisor

- Recycling Supervisors will inspect all recycling centers when the sustained winds decrease to under 45 mph and report any damage, if there are trees down and blocking traffic, or if there is debris blocking the entrance.
- Check entrance gate, road and fences for fallen trees and cordon off any traffic or walkway area.
- Check if power is on. If power is on check the operation of the compactor rams.
- If there is no power do not open the site until authorized or power is repaired.
- Check office building and sheds for damage.
- Any damage to Bio-medical waste Kiosk's structures is to be reported to Household Hazardous Waste as soon as possible. No corrective action is to be taken by any employee other than Household Hazardous Waste Technicians.
- Check household hazardous waste area and see if there has been any spillage.
- Report any severe washouts or flooding conditions.
- Direct the public to the closest debris storage area if activated and **do not** accept wood debris at the recycling center.
- Deliver hand held two way radios if there is no phone service.

Collections Supervisor

- Inspect all trucks for damage and prepare necessary 1001 forms and post storm data entry information.
- The Clam Bucket operators will report to work as soon as the winds fall below forty miles per hour. They will be dispatched to all recycling centers to clear downed trees from the roads inside and out of the centers. Remove any waste left outside the gates when the sites were closed, and report to dispatch if there is storm damage to the center, if power is on, and the general conditions of the various sites.
- The dispatcher and M.E.O.'s will report to work immediately after the Hurricane passes.

- It may be requested that Solid Waste vehicles be used to assist the Transportation Department clearing roads of downed trees and other debris. The authorization will be from the Solid Waste Director.
- Drivers will fuel their trucks at the end of each shift. It may be necessary to use fueling facilities outside of Solid Waste at times.
- Drivers will use extreme caution on roads after the storm, being alert for downed power lines, trees, and debris blown into the roadways, or power outages resulting in traffic signals not operating.

Temporary Debris Storage Sites

All pre-arranged debris storage sites will be opened and manned by the Emergency Recovery Management Contractor for the disposal of limbs, branches, trees, and other storm debris generated from the natural disaster. All sites will have mechanical equipment (front end loaders), provided by the Contractor, to push and stockpile all wood waste received. A list of all sites will be provided by the Solid Waste Safety Coordinator. Transportation (Sign Shop) will fabricate, install and remove all signs at all Temporary Debris Disposal sites.

Solid Waste Staff

- Names
- Positions
- Home Phone Numbers
- Cell Phone Numbers
- Radio Call Numbers
- Recycle Center Phone Numbers
- Contract Employee Home Phone Numbers
- Administrative Vehicles & Radio Numbers
- Disposal Heavy Equipment & Call Numbers
- Collection Vehicles & Assigned Truck Numbers
- Litter Vehicles & Assigned Vehicle Numbers
- Household Hazardous Waste Vehicles & Assigned Numbers

06.11.2012

Cell Numbers	Radio #'s	Administration	Phone Number
816.0672	SW-1	Mike Sims - Director	
812.6406	SW-2	Tom White - Assistant Director	867.0855
266.2963	SW-13	Dennis Slifer - Safety/Recycle Coordinator	236.2963
		Administrative Asst.	
454.8798		Sue Bedard	454.8798
817.0335		Joy Heizmann	
Cell Numbers		Disposal	Home
	SW-6	Larry Starkey	352-563-5314
362.6757	SW-12	Kim Porter	693-4365
426-3447/561-302-1515		Connie Gann	
		Wendy Morris	425.9123
598-7471		Sue Cooper	625-1688
		Linda Harper	352.527.4519
		Lorenda Perry	347-0139
	SW-56	Robert Chauncey	812.0966
	SW-58	James Larrimore	625.2111
	SW-59	Sam Montgomery	624-2951
317.5366	SW-50	Ray Warrick	307.3526
	SW-61	Albert Talavera	362.0986
		Hazardous Waste Specialists	
	SW-14	Warren Hope	875.3379
	SW-16	John Newell	299-5354
	SW-17	Dwayne Robertson	233-5866
	SW-15	Charles Haynes	266-9990
Cell Numbers		Litter	Home
	SW-4	Lincoln Mitchell - Supervisor	867.9756
502.5692	SW-10	Bob Middleton	347-5530
512.8949	SW-11	Wanda Johnson	591.3148
671-8486		Marge Durfee	671.8469
207.6341	CODE-1	Reggie Willis	620.0128
274.3499	CODE-2	Nathan Bogart	274.3499
	SW-40	Lee Wolfe	208-9389
	SW-42	Vern Gardener	288-4663
	SW-45	Jeanne Hurteau	236.1083
	SW-43	Forrest Smith	546.1207
Cell Numbers		Collection	Home
4271673	SW-5	Keith Butler - Supervisor	351-5508
		Matt Kelly	629-6860
	SW-29	Jeff Jerrel	671-3610
	SW-32	James Martin	685.0203
	SW-22	Roger Middleton	245.1692
	SW-21	Don Moyer	347.1409
484.7444	SW-26	Benjamond Raymond	873.6627
	SW-27	Glendiliris Johnson	274.8134
	SW-33	Charles Rogers	687.2161

	SW-31	Patricia Williams	274.5088
812.2517	SW-25	Jeremy Walker	528.9127
	SW-34	Richard Chartier	595.8738
	SW-35	Tim Williams	546.1177
	SW-37	Mike Dykes	347.1022
	SW-38	Ron Harper	347.2572
	SW-23	Melissa Beard	286-4302
	SW-24	Richard Haynes	291-5221
		Recycle	
509-1905	SW-3	Royette Bateman - Supervisor	
812-6409		Karlene Yeager	625-6679
	1	Esther Braden	816-0071
	2	Charles Davis	625-2882
	3	Kenneth Dennis	344-3748
	4	Donald Elston	732-2879
	5	Brian Fields	233-8500
	6	Chester Priest	625-5563
	7	Donald Robson	489-8792
	8	Jerry Sowell	304-6692
	9	Fredrick Whitehead	854-9638
	10	David Wildman	304-6235
		Recycle Center Attendants Fast Track	
05.03.2011			
	Forest Road 86	Stephen Allen	685-2891
	Newton/Baseline	Eric Campbell	239-7758
	Canal	Don Collela	407-595-9674
	Orange Springs	Bill Cook	595-2586
	Rover West Side	Sean Griffin	497-5668
	Orange Lake	Truby English	(239)560-3291
	Blitchton	Steve Foster	622-5956
	Weirsdale	Ram Gulabram	687-3568/653-4043
	Salt Springs/Forest Corners	Danny Hummel	625-35202
	South Forest/Davis	Devaris James	680-9098
	Forest Corners	Robert Johnson	289-4165/817-6258
	Baseline	Douglas Lunsford	272-4769c/323-1753h
	Salt Springs/Ft. McCoy	Andrew McCrane	
		John Rooney	489-0762
		Jeffery Sharp	347-0174
		Gene Smith	236-2728
		David Sullivan	361-7908
		Arthur Swafford	402-9228
		Earl Tatum	390-7624
		Ted Williams	209-9102
		RECYCLE CENTERS	
307-7862		Baseline	
288-3265		Canal	
489-2217		Davis	
821-0111		Dunnellon	
236-1225		South Forest	
625-6530		Fort McCoy	
237-0248		Forest Corners	
622-6953		Martel	
369-2242		Newton	

821-2032		Wright Road	
732-1243		Weirsdale	
591-2546		Blitchton	
873-7961		Orange Lake	
595-2431		Florida Highlands	
546-1089		Citra	
625-6164		Orange Springs	
685-2265		Scrambletown	
685.2265		Salt Springs	
		Lake George	
		Hog Valley	

Solid Waste Equipment & Vehicles

Landfill Equipment - 4230		
Dept. Number	Description	Category
BD-3	JOHN DEERE	850 Dozer
LF-26	RC350	Sweeper
LF-11	JOHN DEERE LOADER	744 JD LOADER
LFGN - 3	CATERPILLAR	GENERATOR
HW-4	JOHN DEERE GATOR	ATV
CP-1	CAT COMPACTOR	826H COMP
LF-48	WASHER	STEAM WASHER
LFGN - 4	GENERAC	GENERATOR
LFGN - 5	CATERPILLAR	GENERATOR
LFGN - 6	CATERPILLAR	GENERATOR
LF-19	LIFT KING	FORKLIFT
TS-11	CATEPILLAR	966H LOADER
LF-49	CATEPILLAR	D6N DOZER
WT-6	FRGHTLINER	TANKER-WATER
BD-1	CATEPILLAR	D6N DOZER

Hazardous Waste Vehicles

Dept. Number	Description	Type
HW-7	03 Dodge PU	Pick-up
HW-8	07 Izusu	Pick-up
HW-9	07 GMC	Pick-up
HW-11	07 GMC	Pick-up
LC-11	02 Ford	Pick-up

Disposal Vehicles

SW-3	2000 Ford Taurus	Sedan
P-171	05 GMC	Pick-up
SW-2	05 GMC	Pick-up
SW-1	05 GMC	Pick-up
SW-5	05 GMC	Pick-up
LC-4	99 Ford	Pick-up
LC-9	99 Ford	Pick-up
LF-47	88 INT. 4700	Fuel/Service Truck
WT-6	98 Freightliner	Water Tanker

Collection Vehicles

SW-80	04 Mack	Roll-Off
SW-81	04 Mack	Roll-Off

SW-82	04 Mack	Roll-Off
SW-83	05 Mack	Roll-Off
SW-84	05 Mack	Roll-Off
SW-85	05 Mack	Roll-Off
SW-86	07 Mack	Roll-Off
SW-87	07 Mack	Roll-Off
SW-88	07 Mack	Roll-Off
SW-89	12 Mack	Roll-Off
SW-91	03 Mack	Clam Bucket
SW-93	03 Mack	Clam Bucket
SW-94	03 Mack	Clam Bucket
SW-95	05 Mack	Clam Bucket
SW-96	11 Mack	Clam Bucket
P-114	08 Chevy	Pick-up

Recycle Vehicles

Dept. Number	Description	
SW-4	02 Ford	Pick-up
SUV-113	04 Jeep Cherokee	Jeep
VN-1	08 Chevy	Van
P-115	08 Chevy	Pick-up

Litter Vehicles

Bus - 1		Bus
VN-4	04 Ford	Van
LC-12	03 Dodge Van	Van
LC-18	06 GMC	Pick-up
LC-19	06 GMC	Pick-up
LC-20	06 GMC	Pick-up
LC-21	07 GMC	Pick-up
LC-22	07 GMC	Pick-up
LC-23	07 GMC	Pick-up
LC-24	07 GMC	Pick-up
LC-25	07 GMC	Pick-up
P-133	07 Chevy	Pick-up
P-177	06 GMC	Pick-up
P-176	06 GMC	Pick-up

Departmental Areas of Responsibility Public Works Emergency Management

HURRICANE ACTIVITIES LIST

TEMPORARY DEBRIS DISPOSAL SITES

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Dennis Slifer		Designate or confirm Temporary Debris Disposal Sites
2	Dennis Slifer		Designate or confirm Residential Drop-off Sites for citizens
3	Sign Shop	Transportation-- Fabricate, install & pickup signs as needed	Provide all signs needed for storm Signs at Temporary Debris Disposal Sites, trucks entering highway, etc.
4	Dennis Slifer		Provide list of Temporary Debris Disposal Sites to FDEP (w/map)
5		Asset Management	Provide map of all Temporary Debris Disposal Sites to Monitors Provide map to whoever is responsible for monitors
6		None	Burn/Mulch permits for Temporary Debris Disposal Sites (US Forestry issues permits) We are NOT BURNING
7		Employees will be determined	Investigate & meet with citizens upset with reduction activities
8	Dennis Slifer	JEA	Order Phase I Environmental Assessments of Temporary Debris Disposal Sites (In JEA contract) Review Phase I Environmental Assessments for approval
9	Dennis Slifer	JEA	Review Site Rehabilitation Inspections (of Disposal Sites) by Monitoring Firm JEA will inspect to make sure sites are cleaned up.
10	JEA	Dennis Slifer	Conduct surveys (for capacity estimate in CY) of Residential Debris Drop-Off Sites & reviewed by County
11		Dennis Slifer	Respond to OSHA complaints at Temporary Debris Disposal Sites
12	JEA Monitor	Dennis Slifer	Track how much of the piles are burned or mulched by percentage
13	Dennis Slifer		Maintain photos provided by Grubbs of Temporary Debris Disposal Sites
14	Dennis Slifer		Inspect new Temporary Debris Disposal Sites as needed & revise maps accordingly (Look at access issues)
15	Contractor	Dennis Slifer	Ask FEMA about reimbursing limerick for access roads to Temporary Debris Disposal Sites
16	Dennis Slifer		Respond to FEMA on air burner issues (e.g. not working properly; citizen complaints)
17	Dennis Slifer		Meet with Risk Management on claims by citizens impacted by reduction of debris (e.g. Mr. & Mrs. Gray)
18	Dennis Slifer	Risk Management	Respond to Attorney's calls regarding Grubbs contract and liability
19	Sign Shop	Transportation-- Fabricate, install & pickup signs as needed	Remove all signs after debris collection cut-off date
20	JEA Monitor	Dennis Slifer	Resolve problem with DOT trucks going to Residential Drop-off Sites (they should be in another pile)
21	Dennis Slifer		Obtain and review Grubbs releases from property owners of disposal sites Want releases before we pay them, Notify DEP for final inspection

SOLID WASTE

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Dennis Slifer	Tom White	Order Sandbags (provide unfilled sandbags to Parks, Transportation & Utilities)
2	Tom White		Remove garbage outside the Recycling Center's gates before the storm
3	Tom White		Remove garbage outside the Recycling Center's gates after the storm
4	Sign Shop	Transportation-- Fabricate, install & pickup signs as needed	Provide signs at Recycling Centers ("Closed due to Emergency" and "Debris Instructions" signs)
5	Sign Shop	Transportation-- Fabricate, install & pickup signs as needed	Provide signs at Public Works and on 25th Avenue
6			Extend Landfill hours before and after the storm
7	Tom White		Bring Recycling Centers back on line after the storm to include repairs to facilities
8	Tom White		Repair erosion to Baseline Landfill side slopes & repair exposed geomembrane tears
9	Tom White		Track yard waste delivered to the Baseline Landfill
10			Call all tree surgeons & tell them to leave yard trash at the curb?
11	Dennis Slifer	Sue Bedard	Flyers with information on storm printed for all Recycling Centers
12		Dennis Slifer	C&D disposal at the Landfill? If so, track the tonnage
13	Mike Sims	Administration	Respond to hauler's request to waive 15% franchise fee
14	Tom White	Animal Control	Position animal control vehicles including Emergency Animal Control Trailer with power
15	Tom White		Coordinate with employees on emergency numbers and who is leaving/staying local
16	Tom White		Supply hand-held radios at Recycling Centers where the power is out
17	Tom White	Facilities	Repair roofs of Solid Waste Office and Operations building
18	Tom White		At Recycling Centers without power, Attendant will be present to direct customers to the closest open
19			Review articles and e-mails on hurricane clean-ups across the state.
20		M. Simms/R. Bateman	Provide one person to assist the PW Special Operations Center (24 hours/day)
21	Dennis Slifer	Transportation-- Storm water Division provide support if needed	Complete after storm inspection of closed landfills noting damage, including storm water retention areas (examine for sink holes)
22	Mike Sims	Royet Bateman	After storm, contact City of Ocala Waste Water Treatment Plant #2, confirm acceptance of leachate, inspection of leachate collection system and disposal pipeline to include vent cabinets along the pipeline
23	Tom White		Complete inspection of the landfill gas collection system, including well heads

GENERAL/COMPLAINTS

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1			Prepare blast fax
2	Parks & Recreation	Transportation-- Deliver sand to distribute- ton Centers identified by Parks Department	Supervise sand bag loading by citizens (provide shovels)
3	BCC		Declare emergency by BOCC (to pay exempt employees overtime)
4	Transportation	Code Enforcement	Start tracking complaints and responses (debris missed, damage to R/W & yards, contractor picking up Non-storm debris, etc.)
5	All Departments		Write storm name on all receipts and state the purpose of the purchase (why is this hurricane expense?) Audrey Doody and Mike Rickman and going to create a list
6			Establish daily hurricane update meetings (Grubbs/Monitor Firm/FEMA/County: Transportation, Solid

			Waste, Purchasing, Finance, Administration, PIO, Code Enforcement, BOCC member)
7	Wm Kaufman		Prepare Departmental Reimbursement Requests (on PW's)
8	Transportation		Respond to contractors (push and shove) asking to help
9	Chad Wicker	Transportation	Video tape daily meetings (make sure minutes are taken) Ask Mr. Thacker if we have to video tape
10	Transportation		Conduct estimate of magnitude of disaster (crews working, cy. of debris, road damaged, homes destroyed, Etc.)
11		Transportation	Presentations to Board on hurricane update (with fact sheet) - Road cleared - Cubic yards of debris collected - Estimated quantities to be picked up & how long to do it
12		PBS&J	Spreadsheet on Date/Crews/Cy/Cumulative CY by PBS&J
13			Coordinate w/SO for traffic control at Grubbs staging area
14	Chad Wicker		Develop list of contact phone numbers
15	Transportation		Investigate citizen allegations of Grubbs crews picking up debris that is not storm related
16			Review meeting minutes
17		Transportation	Coordinate hanger crews working on roads before debris crews?
18			Need a Go-To person for: Dennis Slifer - Temporary Debris Disposal Sites Purchasing - Grubbs contract JEA - Grubbs invoices JEA - Monitoring - General/Complaints
19	Chad Wicker		Forward disputes/lawsuit letters to Purchasing/County Attorney
20			Resolve issues with FEMA like: - Reasonableness of cost (e.g. \$20/cy, stumps, monitors, etc.) - Replacing over-zealous FEMA employees (and document the reasons) - Replacing biased State employees
21	All Departments		Keeping good notes/documentation: e.g. we won the monitor issue because we could show documentation of FEMA's comments in meetings, telephone conversations records, faxes, e-mails, etc.
22			Review progress maps by Grubbs/PBS&J for BOCC presentations
23		Transportation	Resolve Grubbs staging area conflicts: - not enough room (& trucks parking on Baseline Road) - stagger monitors/crew leaders
24	Chad Wicker		Confirm State & FEMA will be at key meetings
25			Review "Guidance" provided by FEMA & incorporate in debris collection operation (e.g. stumps)
26			Refute FEMA claims (e.g. "We'll put a rep in each tower", "we'll inspect each stump").
27		Purchasing	Work with Grubbs to amend their contract as FEMA requires (e.g. stumps, hand-loads at 50%, etc.)
28			Coordinate with Grubbs when Code Enforcement sees Grubbs trucks overloaded or blocking traffic
29	Larry Thacker		Progress report e-mails to Pat Howard
30	All Departments		Conduct post-event review (lessons learned)
31	Code Enforcement	Transportation	Resolve green stuff (not storm debris) being hauled to the road by commercial tree services
32	Transportation		Coordinate close-out of streets as debris collection efforts come to a close.
33			Resolve when to cut back to six (6) days per week
34		Transportation	Grubbs to provide Code Enforcement with maps indicating cleaned streets
35	Solid Waste	Transportation	Collect in County trucks any ineligible debris the Board directs us to pick up
36		Transportation	Maintain list of people "missed" for debris pick-up after the October 31st deadline to put it out

37			Call Chief of Staff (State of Florida) on hurricane issues
38	Transportation		Meet with local contractors upset about Grubbs distribution of work and Grubbs prices
39			Respond to phone calls from other Counties (e.g. Lake) regarding how we are doing things
40			Respond to Florida Association of Counties survey regarding hurricane costs & debris quantities
41	Chad Wicker		Copy of all meeting minutes to FEMA if they request
42			Prepare plaques for Public Works staff
43			Complete FEMA questionnaire on quantities & prices & schedules
44	Purchasing		Manage emergency purchases
45			Designate two (2) "authorized agents"
46	All Departments	Chad Wicker	Set up phone messages that County facilities are closed
47			Research truck capacity/truck certifications to find tickets that should be re-included in PW's
48		Transportation	Research load ticket/form discrepancies to find tickets that should be re-included in PW's
49		Finance	Compare PW's to Total Expenses to ensure we are not missing any eligible reimbursements

MONITORING

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Purchasing		Activate Monitor contract (issue notice to proceed)
2	JEA	Transportation	Supervise Monitors (Debris, Tower, Hanger, Leaner, Residential Drop-off, Ash Removal)
3	JEA	Transportation	Conduct training for all monitors (Debris, Tower, Leaner's, Hangers, Residential Drop-off sites, Removal)
4	JEA		Conduct training for truck certifications
5	Transportation		Conduct 6:00 a.m. meetings with contractors each morning
6			Review Monitor Firm's Recommendation of Payment to Grubbs
7			Review Monitor Firm's invoices
8			Obtain approval signatures for each invoice from Monitor Firm
9	Chad Wicker		Copy of Monitoring Firm's contract to FEMA
10	Transportation		Spot-check monitor's & contractor's tickets in the field and document this (you have to see each type of crew)
11			Conduct interviews with TV 20
12			Enforce monitoring contract (especially as it relates to getting monitors in the field as requested)
13	Transportation		Coordinate monitor activities with PBS&J at 6:00 a.m. meetings (e.g. monitors don't sign if address is not on the ticket; put "hand-load" or "gated" on tickets; put GPS coordinates on tickets) If we can not read tickets do not sign
14	Transportation		Coordinate with Monitor Firm to have about 3 extra monitors than the contractor has crews so we are not the reason all crews can't be dispatched: e.g. Grubbs tells Monitor firm by 3:00 p.m. each day how many Monitors (by type) are needed for the next day, then add three (3) (for potential no shows).
15		Purchasing	Establish payment protocols with the Monitoring Firm that is reviewing the Grubbs invoice (e.g. do we pay W/o a blue ticket if we have a canary copy)?
16	Transportation		Develop list of gated communities
17	Transportation		Review packets of information distributed to PBS&J to monitors & contractor crew leaders
18			Formulate policy on damaged riser boards & recertification of trucks (or % deduct of volume)
19	Transportation		Spot check Tower Monitors estimate of volume (e.g. 90% full)
20		Purchasing	Prepare any amendments to Monitor Firm's contracts
21	JEA	Transportation	If contractors are doing 72 hour push, we'll need Push Monitors
22	JEA		Monitors need to highlight the roads as they're cleaned up
23		All Departments	Respond to errors/inaccuracies FEMA finds (e.g. FEMA disagrees with Tower Monitors estimate (of percent full)

24	JEA	Transportation	Hanger forms need all roads listed (or one road per form)
25		Transportation	Accompany FEMA reps in towers as they inspect tickets (they are not to change our tickets)
26	Staff Assistant		Make copies of any and all tickets (e.g. leaner's and hangers) & provide them to FEMA as requested (this required a minimum of one hour every morning for weeks of Dennis Slifer's time)
27	JEA	Transportation	Ensure monitors are cross-trained to meet daily needs
28	JEA		Keep any City (e.g. Dunnellon) yard debris in separate piles at disposal sites & note "Dunnellon" on tickets
29		JEA	Identify for FEMA who are the: <ul style="list-style-type: none"> - Monitors - Supervisors - Administration & Record Keeping Personnel
30	JEA		On hand-loads, determine if its 50% of total capacity or 50% of the Tower Monitors estimate (Hand loads are 50% of tower estimate)
31			Respond to Tower Monitors observations (e.g. too many hand loaders with not enough mechanized)
32	JEA	Transportation	Resolve hanger questions (e.g. Are they to clear over all the R/W or just over the areas cars would get Dropped on? How about mailbox areas?)
33	PBS&J		Maintain hanger and leaner spreadsheets summarizing cost to date
34	JEA		Monitor ash removal and disposal at Baseline Landfill
		Solid Waste	
35	Transportation	JEA	Review and spot check the Monitoring Firm's GPS coordinates from all tickets and the Monitoring Firms
36	JEA	Transportation	Resolve GPS coordinates/GIS system issues
37	Transportation		Conduct field inspections of stumps with FEMA officials (to locate stumps in the R/W).

GRUBBS CONTRACT

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Purchasing		Activate Grubbs Contract (issue Notice to Proceed)
2		Wm Kaufmann	Interlocal Agreements with: <ul style="list-style-type: none"> - Belleview - MacIntosh - Reddick - Dunnellon - Ocala
3		Purchasing	Prepare any amendments to Grubbs contract
4	Chad Wicker		Prepare agenda items for any amendments to Grubbs contract
5	Purchasing	Transportation	Figure out how to estimate (in cy) stumps as "debris"
	JEA		
6		Chad Wicker	Check with City of Ocala & other counties on: <ul style="list-style-type: none"> - hanger/leaner rates in response to FEMA saying we are paying too much (& document this information)
7			Get quotes on hanger cost from local firms to compare with Grubbs (& document this information) (Ken Whitehead has quotes in his file)
8			Debris collection RFP (at Grubbs 5 year point) Mike Rickman has already started. Mr. Thacker approved. Going in front of the Board in April 06
9	Finance		Respond in writing to Grubbs auditors on Grubbs year end financial statements
10	Purchasing		Prepare new Purchase Order for additional storms
11	Purchasing		Obtain approval from FEMA to use P-card for Grubbs invoices.
12	Chad Wicker	Purchasing	

GRUBBS INVOICE

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1			Receive Grubbs invoices (including revisions and addendums) and forward them to Monitoring Firm
2		Finance	Have Finance sign for invoices & boxes. Label & track all boxes.
3			Obtain approval signatures for each invoice from Grubbs
4			Track (on a spreadsheet) the status of Grubbs & Monitor Firms invoices to include amounts, costs and gated communities
5	Chad Wicker		Copies of all invoices (Grubbs & Monitor Firms) to FEMA (hard copy as they come in & electronic file later)
6	Purchasing		Hold retainage on Grubbs invoices
7			Maintain Grubbs release of liens
8			Obtain and review Grubbs final release of liens
9			Coordinate with Finance, Purchasing & Monitor Firm on any new or revised protocols for Grubbs invoice reviews
9			Continually appraise the Board on how much money we'll lose on: <ul style="list-style-type: none"> - Gated communities - Private roads
10	Finance	Wm Kaufmann	Respond to County Auditor questions
11			Monitor & project how much money the County will spend (daily)

TRANSPORTATION

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Transportation	Direction from board	Get Board's approval to go on private roads and gated communities (Private road list vs. County maintained list)
2	Transportation		Dump loads of sand at Park's sites
3	Transportation	-	Establish Public Works Special Operations Center (designate staff to operate it)
4	Transportation	-	Relocate SOC after 72 hours
4	Transportation	-	Pre-position road crews at shelters
5	Transportation	-	Board up Public Works buildings
6	Transportation		Photograph damage immediately after the storm
7	Transportation		County assigns "Damage Assessment Team" to inspect damage on ROW, roads, retention ponds etc.
8	Transportation		Track damage assessment complaints & responses on a spreadsheet
9	Transportation	Transportation can provide these maps	Federal Aid Highway maps distributed to Monitors and Contractor crew chiefs
10	Code Enforcement	Solid Waste Transportation	Yard trash in DRA's issues (Code Enforcement and Transportation will identify yard trash issues: Grubbs Will remove yard trash with support from Solid waste if needed).
11	Transportation		Meet with FEMA/State to discuss Orphan Road definition Prepare orphan road list , Have County attorney sign Orphan Road List
12	Transportation		Write specifications for Grubbs R/W repairs (Already Completed)
13	Transportation		Research Private Roads to find tickets that should be re-included in PW's
14	Transportation		Research FAS roads to find tickets that should be re-included in PW's
15	All PW Bureau Departments		Update Department Emergency Response / Disaster Relief Plans and SOP's
16	All PW Bureau Departments		Determine if a Joint Damage Reports spreadsheet should be developed to list and track all issues coming into SOC and share in real time with other players (also mapping)

17	All PW Bureau Departments	- -	Update all Personnel information lists, Officials contacts list, Phone/Radio/Nextel contact lists
18	All PW Bureau Departments	- -	Update EM response equipment inventory lists, Traffic signal inventory, traffic control inventories and substations, and Department generator inventory

FLEET MANAGEMENT

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Fleet		Pre-stock Tires
2	Fleet		Repair County vehicles damaged during the storm
3	Fleet		Top off vehicles and generators
4	Fleet		Supply schools with fuel?

UTILITIES

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Utilities	-	Check for proper operation of treatment plants & pump stations
2	Utilities	-	Keep pump stations pumped down
3	Utilities	-	Keep generators fueled
4	Utilities	-	Coordinate with power companies regarding critical facilities
6	Utilities	-	Determine if "Boil Water" notices need to be issued
7	Utilities	-	Prepare "Boil Water" notices and forward to PIO for distribution to the media
		PIO	
8	Utilities	-	Advise FDEP and Health Department of "Boil Water" notices
9	Utilities	-	Collect and transport water samples to lab during "Boil Water" events
10	Utilities	Marion County	Get clearance from Health Department to lift "Boil Water" notices and coordinate with PIO to get
		Health Department	information to the public
11	Utilities	-	Disinfect, stabilize and clean up sewage back-ups or overflows
12	Utilities	-	Report to FDEP any wastewater overflows and follow-up with a written report as required by law
13	Utilities	-	Coordinate with propane gas suppliers to arrange for deliveries to our propane power generators
14	Utilities	-	Clear debris from plant and pump station sites
15	Utilities	RISK Management	Coordinate with Risk Management regarding damage to our facilities
16	Utilities	RISK Management	Coordinate with Risk Management regarding property damage to any of our customers due to water main
		-	breaks or sewage back-ups
17	Utilities	-	Provide a representative to the Utilities Department at SOC
18	Utilities	-	Repair damage to our facilities
19	Utilities	-	Coordinate the schedules of Utility Department staff to provide 24 hour a day service as needed
20	Utilities	Wm Kaufmann	Work with County's designated FEMA representative for reimbursement of damages
21	Utilities	-	Provide progress reports to Bureau Chief

FINANCE

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	Finance	-	Copies of Grubbs adjusted (by the County) invoices to FEMA electronically
2	Administration	Finance	Kick off meeting with FEMA (and Applicant meeting with the State)
3	Administration	Finance	County requests assistance

4	Finance	-	Review FEMA's never-before-seen PW checklist (on 12-10-04)
5	Finance	-	Project Worksheets (including determining what is included on each PW: e.g. stumps, orphan roads, etc.)
6	Finance	-	Revise Project Worksheets to respond to FEMA's requirement to put stumps, hangers, and leaner's on separate PW's
7	Finance	-	Other revisions to PW's included: <ul style="list-style-type: none"> - Revisions after the work was "complete" (i.e. no longer "Projected") - Revisions after the 72 hour window changed - Revisions to reflect changes in Federal Aid Highway List - Revisions to include a cubic yard summary - Revisions to include electronic database and 100% confirmation
8	Finance	-	Create new PW revisions to include tickets incorrectly kicked out in the 100% certification process
9	Finance	-	Respond to FEMA's questions on PW's
		JEA	
10		Finance/Wm Kaufmann	Bi-monthly agenda item for spreadsheet summarizing reimbursement
11	Administration	Finance	Resolve Advance (10.8 million) issues
12		Finance	Meeting with Earth Tec (FEMA's auditor) for Public Assistance Program Assessment Interview
		Wm Kaufmann	
13		Finance	Respond to EarthTech's questions
		Wm Kaufmann	
14	Finance	Wm Kaufmann	Set up FEMA Forms Training
15	Finance	Solid Waste	-
		Transportation	Finish PW revisions for 2004 hurricanes
16	Finance	Transportation	Submit PW with Orphan Road list
		County Attorney	-
17	Finance	Solid Waste	Respond to FEMA's deductions on the stumps PW

CORRESPONDENCE

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1	-	-	Letter to FEMA confirming: <ul style="list-style-type: none"> - FEMA will reimburse for debris reduction of yard trash brought to Residential Drop-off Sites by citizens And county trucks. - DOT is responsible for debris removal on DOT roads - Power companies need to remove debris they cut - Grubbs can burn under this contract at \$5/cy - Reimbursable expenses include County employee overtime and equipment usage
2	When warranted		Letters of commendation for staff & Renee, Scott, etc.
3			Memo to Finance regarding Marion County Contingency Fund budget amendment to cover the cost of the clean-up
4			Memo to file on leaner/hanger tickets for work not properly conducted
5			Memo to other departments requesting monitors?
6			Memo on Bureau Status and Activity Update after Jeanne (dated 9/27/04)
7			Letter to FDOT advising that FEMA has stated that the State is responsible for all FDOT road clearance and debris placed on R/W by residents
8	Bill Kaufmann	Finance, Solid Waste	Memo to Commissioner Harris regarding timeline of PW submittals
9		Mounir Bouyounes	Memo to Pat Howard on "Hurricane Debris Policy" (Ken has Memo)

PSA'S

ITEM NO.	RESPONSIBLE PARTY	SUPPORTING PARTY	
1		Larry Thacker	Note: In some cases, where a PSA is listed, we should put an ad in the paper instead
2		Parks & Recreation	PSA on sandbags
3		Administration	PSA on when the County will close
4		Transportation	Establish hotline and publish PSA with this number & what to do with storm debris
5			PSA on extended Landfill hours
6			PSA updates - 1st pass, C&D
7		Transportation	PSA on gated communities taking yard trash to nearest County R/W?
8			PSA on illegal dumping (Code Enforcement will ticket), especially by commercial operators
9			PSA on when the debris placement (curbside) deadline will be
10			Coordinate efforts/PSA's with City of Ocala
11			PSA on street close-outs and that Code Enforcement will consider illegal dumping if they put debris curbside after that
12			PSA on citizens' options after 12-31-04 deadline (Commercial hauler, or bring to Baseline Landfill, or bring to Recycle Center - 1 cy only)
13			PSA sent out before the storm stating that the Baseline Landfill and Recycling Centers may be closed

Emergency Operations Center

Public Works

**Dennis Slifer
Karlene Newbern**

**266-2963
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06.06.2012

