

# POLK COUNTY

## North Central Landfill

### Yard Trash Processing Facility Permit Modification Application

WACS Facility ID: 49722  
Current Operation Permit No. 31164-29-SO-01

June 2022

Prepared for:



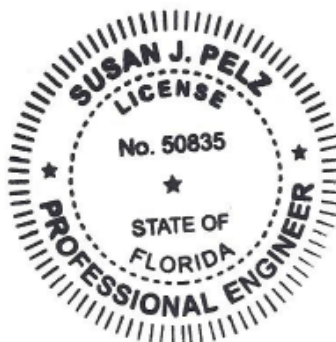
Polk County Waste & Recycling Division  
10 Environmental Loop South  
Winter Haven, FL 33880

Prepared by:



Pelz Environmental Services, Inc.  
PO Box 961, Brandon, FL 33509  
Certificate of Authorization No. 30910

This item has been digitally signed and sealed by Susan J. Pelz, P.E. (FL PE# 50835) on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



# Table of Contents

<b>1. Introduction.....</b>	<b>1</b>
<b>2. Prohibitions [Rule 62-701.300, F.A.C.].....</b>	<b>1</b>
<b>3. Permit Requirements, General [Rule 62-701.320, F.A.C.] .....</b>	<b>8</b>
3.1. <i>Permit requirements.....</i>	8
3.2. <i>Exemptions. ....</i>	8
3.3. <i>Irresponsible applicant. ....</i>	8
3.4. <i>Modification of permit. ....</i>	8
3.5. <i>Permit application. ....</i>	8
3.6. <i>Engineer of record and professional certification.....</i>	8
3.7. <i>Application content and format. ....</i>	8
3.8. <i>Notice of application. ....</i>	9
3.9. <i>Certification of Construction Completion. ....</i>	9
3.10. <i>Permit duration. ....</i>	9
3.11. <i>Permit renewals.....</i>	9
3.12. <i>Permit transfers.....</i>	10
3.13. <i>Identification number.....</i>	10
3.14. <i>Airport safety.....</i>	10
3.15. <i>Other facility permits.....</i>	10
3.16. <i>Operator and spotter training and special criteria.....</i>	10
3.17. <i>Emergency preparedness and response. ....</i>	10

## Attachments

Attachment 1 – History of Enforcement

Attachment 2 – DEP Form 62-701.900(4)

Attachment 3 – Stormwater Permit

## List of Figures

Figure 1 – Reported Subsidence Locations

Figures 2a and 2b – Well Locations

Figure 3 – Wetlands

## Appendices

Appendix A – Operation Plan

## 1. Introduction

This permit modification request is to authorize the operation of an additional yard waste processing area at the Polk County North Central Landfill (NCLF) on the property purchased by Polk County in February 2020 that was formerly owned and operated by Wheelabrator Ridge Energy, Inc. The information required by Chapter 62-701, Florida Administrative Code (F.A.C.) for this permit modification is included herein and is signed and sealed by a registered professional engineer in the State of Florida as required.

The existing North Central Landfill Yard Waste Processing Center (YWPC-south) is located north of the Recycling Facility (Recovered Materials Processing Facility) on Borrow Boulevard as shown in **Operation Plan Figure 1-1**. The proposed additional location (YWPC-north) will be in the northeast portion of the former Wheelabrator property as shown in **Operation Plan Figure 12-1**. Routine yard waste acceptance, processing and management is proposed to occur at both locations.

## 2. Prohibitions [Rule 62-701.300, F.A.C.]

This Section addresses each of the Prohibitions listed in Rule 62-701.300, F.A.C. for the YWPC-north area. The Rule citation is provided in italics, followed by related site-specific information.

*(1) General prohibition.*

*(a) No person shall store, process, or dispose of solid waste except as authorized at a permitted solid waste management facility or a facility exempt from permitting under this chapter.*

This application is for a modification of the landfill Operation permit. Solid waste will not be stored, processed or disposed at the Yard Waste Processing Center (YWPC) area except as authorized by a Florida Department of Environmental Protection (FDEP/ "Department") permit.

*(b) No person shall store, process, or dispose of solid waste in a manner or location that causes air quality standards to be violated or water quality standards or criteria of receiving waters to be violated.*

Solid waste will not be stored, processed or disposed at this facility in a manner or location that causes Department air or water quality standards or criteria to be violated.

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*(2) Siting. Unless authorized by a Department permit or site certification in effect on May 27, 2001, or unless specifically authorized by another Department rule or a Department license or site certification based upon site-specific geological, hydrogeological, design, or operational features, no person shall store or dispose of solid waste:*

*(a) In an area where geological formations or other subsurface features will not provide support for the solid waste;*

The YWPC will manage all wastes in an area of the property formerly used by Wheelabrator for storage of yard waste. In addition, as shown in **Figure 1**, available sinkhole data was reviewed and the closest reported subsidence incident is approximately 1.43 miles away from the proposed YWPC. Based on historic and recent observations, no evidence of unstable subsurface conditions were observed onsite or within 500 feet of the site.

*(b) Potable water wells. See Rule 62-701.300(12)(a), F.A.C. below.*

*(c) In a dewatered pit unless the pit is lined and permanent leachate containment and special design techniques are used to ensure the integrity of the liner;*

The YWPC is not located in a dewatered pit.

*(d) In any natural or artificial body of water including ground water and wetlands within the jurisdiction of the Department. This prohibition also applies to areas where waste may settle into ground water as a result of the maximum expected loads over the waste. This prohibition does not apply to areas of standing water that exist only after storm events, provided that the storage or disposal does not result in objectionable odors or sanitary nuisances;*

The YWPC is not located in a natural or artificial waterbody or groundwater.

*(e) Within 200 feet of any natural or artificial body of water. See Rule 62-701.300(12)(b), F.A.C. below.*

*(f) On the right of way of any public highway, road, or alley.*

The YWPC is not on a right of way and is located in the interior of the NCLF property boundaries.

*(3) Burning. Open burning of solid waste is prohibited except in accordance with Chapter 62-256, F.A.C. Controlled burning of solid waste is prohibited except in a permitted incinerator, or in a facility in which the burning of solid waste is authorized by a site certification order issued under Chapter 403, Part II, F.S.*

No open burning will be conducted at the YWPC.

*(4) Hazardous waste. No hazardous waste shall be disposed of in a solid waste management facility unless such facility is permitted pursuant to Chapter 62-730, F.A.C.*

Hazardous waste will not be knowingly accepted at the YWPC. The management of unacceptable wastes, including hazardous wastes, is described in the landfill Operation Plan.

*(5) PCBs. Disposal of liquids containing a polychlorinated biphenyl (PCB), or non-liquid PCBs in the form of contaminated soil, rags, or other debris, may be restricted or prohibited by 40 CFR Part 761. Persons managing PCBs are advised to consult that federal regulation before attempting to dispose of PCBs in any solid waste disposal unit in this state.*

Liquids containing PCBs will not be knowingly accepted at the YWPC. The management of unacceptable wastes, including hazardous wastes, is described in the landfill Operation Plan.

*(6) Biomedical waste.*

*(a) No biomedical waste shall be knowingly deposited in any solid waste management facility unless:*

- 1. The solid waste facility is specifically permitted to receive untreated biomedical waste,*
- 2. The biomedical waste has been properly incinerated so that little or no organic material remains in the ash residue, or treated by a process approved by the Department of Health, and the provisions in paragraph 62-701.520(5)(d), F.A.C., are complied with, or*
- 3. The biomedical waste is generated by an individual as a result of self-care, or care by a family member or other non-health care provider. However, in order to reduce the chance of exposure to the public, home generators are advised to segregate and package such waste before disposal according to the guidelines for disposal of home-generated biomedical waste available from each county health department.*

*(b) No solid waste, including treated biomedical waste, shall be commingled with untreated biomedical waste unless the solid waste is being managed in the same manner as the untreated biomedical waste.*

*(c) Treated or untreated biomedical waste shall not be allowed to leak into the environment during transport.*

Biomedical waste will not be knowingly accepted at the YWPC. The management of unacceptable wastes is described in the landfill Operation Plan.

*(7) Class I surface waters. The Department shall not issue a construction permit for a landfill within 3,000 feet of Class I surface waters.*

The YWPC is not a landfill.

*(8) Special wastes for landfills.*

*(a) No person who knows or who should know of the nature of such solid waste shall dispose of the following wastes:*

- 1. Lead-acid batteries in any landfill,*
- 2. Used oil in any landfill, except as provided in Chapter 62-710, F.A.C.,*
- 3. Yard trash in a Class I landfill, except as may be allowed pursuant to Section 403.708(12)(c), F.S.; and,*
- 4. White goods in any landfill.*

*(b) Whole waste tires may not be disposed of in any landfill or in any construction and demolition debris disposal facility, except as provided in Chapter 62-711, F.A.C.*

The YWPC is not a landfill. However, if any of the wastes identified in this Rule are observed in the tipped loads, they will be removed and managed with similar wastes at the NCLF. The management of unacceptable wastes is described in the landfill Operation Plan.

*(9) Special wastes for waste-to-energy facilities. No person who knows or who should know of the nature of such solid waste shall dispose of lead-acid batteries, mercury-containing devices, or spent mercury-containing lamps in any waste-to-energy facility.*

The YWPC is not a waste-to-energy facility.

*(10) Liquids restrictions.*

*(a) Noncontainerized liquid waste shall not be placed in solid waste disposal units which accept household waste or construction and demolition debris for disposal unless:*

- 1. The liquid waste is household waste other than septic waste, or*
- 2. The liquid waste is leachate or gas condensate derived from the solid waste disposal unit, or byproducts of the treatment of such leachate or gas condensate, and the solid waste disposal unit is lined and has a leachate collection system.*

*(b) Containers holding liquid waste shall not be placed in a solid waste disposal unit unless:*

- 1. The container is a small container similar in size to that normally found in household waste,*
- 2. The container is designed to hold liquids for use other than storage, or*
- 3. The waste is household waste.*

*(c) Containers or tanks twenty gallons or larger in capacity shall either have one end removed or cut open, or have a series of punctures around the bottom to ensure the container is empty and free of residue. The empty container or tank shall be compacted to its smallest practical volume for disposal.*

The YWPC will not accept liquid wastes.

*(11)(a) Used oil and oily wastes. Except as provided in paragraph (b), of this subsection, no person may mix or commingle used oil with solid waste that is to be disposed of in landfills or directly dispose of used oil in landfills.*

*(b) Oily wastes, sorbents or other materials used for maintenance or to clean up or contain leaks, spills or accidental releases of used oil, and soils contaminated with used oil as a result of spills or accidental releases are not subject to the prohibition in paragraph (a), of this subsection.*

The YWPC will not knowingly accept used oil or oily wastes. Equipment maintenance fluids and oily wastes generated as a result of onsite spills or equipment maintenance will be relocated and managed with similar materials at the NCLF Fleet Maintenance Shop southeast of the NCLF Phase V landfill.

*(12) Yard trash. The prohibitions of this section apply to the storage, processing, or disposal of yard trash, except that paragraphs (2)(b) and (e), of this rule, are modified so that the following setback distances shall apply:*

*(a) 100 feet from off-site potable water wells, no setback required from on-site water wells;*

Available information from the FDEP, Florida Department of Health (FDOH), and the Southwest Florida Water Management District (SWFWMD) regarding the locations and uses of water wells in the area was reviewed. Several wells associated with the NCLF groundwater monitoring system are listed in SWFWMD's well construction permit database, but are not listed below since they are not designated for potable use. **Figures 2a** and **2b** show wells reported to be in the vicinity of the proposed YWPC. As shown in **Figure 2a** the YWPC is in the interior of the property, and any wells located within 100 feet of the YWPC are located within County-owned property.

Three potable water wells are located on the former Wheelabrator site. Two 12-inch diameter wells (SWFWMD Well Construction Permits (WCP) 531985 and 531986) were permitted for industrial use associated with the former Wheelabrator Ridge Generating Station. These existing wells are identified as DID-1 and DID-2 on **Figure 2b** and are currently inactive. These wells may be re-commissioned in the future for fire suppression at the site and/or other uses not associated with the YWPC.

A 4-inch diameter well (WCP 524409) was installed in 1992 to provide public water supply for Wheelabrator facility employees and sanitary uses. In 2010, this well was replaced with a 4-inch diameter deeper public supply well (WCP 806985). This well is identified as DID-4 on **Figure 2b** and is currently inactive.

SWFWMD Water Use Permit (WUP) 20 010631.006 authorizes the use of the two 12-inch diameter industrial wells and the 4-inch diameter public supply well. Additionally, FDOH Permit 53-57-1939824 also authorized use of the Public Supply well. The FDOH permit expired in September 2020, and a new permit will be required to be obtained prior to operation of this well. The yard waste processing center (YWPC) is operated by a vendor under contract with Polk County Waste & Recycling (W&R) Division. The Vendor will provide bottled water for its employees' potable use.

*(b) 50 feet from water bodies.*

Available information regarding the locations of waterbodies near the proposed facility was reviewed. **Figure 3** shows the locations of wetlands in the vicinity of the site. The closest wetland is approximately 180 ft. from the southeast corner of the facility.

The site is existing, largely paved and relatively flat. The stormwater management (ERP) permit is included in **Attachment 3**.

*(13) Tanks. The prohibitions in subsection (2), of this rule, do not apply to the storage or treatment of solid waste in tanks which meet the criteria of Chapter 62-761, or subsection 62-701.400(6), F.A.C. Instead, no such storage tank shall be installed within 500 feet of any existing community water supply system or any existing non-transient non-community water supply system, nor shall any tank be installed within 100 feet of any other existing potable water supply well.*

The storage or treatment of solid waste in tanks is not proposed for the YWPC.

*(14) CCA treated wood. CCA treated wood shall not be incorporated into compost or made into mulch, decorative landscape chips or any other wood product that is applied as a ground cover, soil or soil amendment. CCA treated wood may be ground and used as initial cover on interior slopes of lined solid waste disposal facilities provided it meets the criteria of subsection 62-701.200(53), F.A.C. CCA treated wood shall not be disposed of through open burning or through combustion in an air curtain incinerator.*

An air curtain incinerator will not be constructed or operated at the YWPC. CCA wood will not be accepted at the YWPC. The management of unacceptable wastes is described in the landfill Operation Plan.

*(15) Dust. The owner or operator of a solid waste management facility shall not allow the unconfined emissions of particulate matter in violation of paragraph 62-296.320(4)(c), F.A.C.*

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The unconfined emission of particulate matter (i.e., dust) will not be allowed at the YWPC. Dust will be controlled by watering as needed. Dust control procedures are included in the landfill Operation Plan.

*(16) Indoor storage. The prohibitions in subsection (2), of this rule, do not apply to the storage or processing of solid waste indoors, provided that the indoor storage area has an impervious surface and a leachate collection system. For the purposes of this subsection, an impervious surface means either a poured concrete pad having a minimum thickness of four inches, or an asphalt concrete paving with both a minimum thickness of one and one-half inches and with an additional component to restrict leaching to ground water such as a soil cement sub-base, an epoxy seal or a geomembrane.*

The YWPC is not indoors.

*(17) Storage in vehicles or containers. The prohibitions in subsection (2), of this rule, do not apply to the storage of solid waste in an enclosed or covered vehicle or container, provided that such vehicle or container has either been unloaded or moved over public highways within the previous seven days, and provided also that reasonable efforts have been made to minimize leakage from the vehicle or container.*

As described in this Engineering Report, the YWPC complies with the Prohibitions of Rules 62-701.300(2) and (12), F.A.C.

*(18) Existing facilities. Those portions of facilities which were constructed prior to May 27, 2001, remain subject to the prohibitions that were in effect at the time the permit authorizing construction was issued. Lateral expansions of such facilities remain subject to the prohibitions that were in effect at the time the permit authorizing the lateral expansion was issued. For example, portions of facilities constructed prior to May 19, 1994 were subject to the prohibition against storing or disposing of solid waste within 500 feet of an existing or approved shallow water supply well, but are not subject to the prohibitions of paragraph (2)(b), of this rule. However, lateral expansions of such facilities which occurred after May 19, 1994, are subject to the prohibitions of paragraph (2)(b), of this rule.*

This permit modification is for operation of a new yard waste processing center (YWPC-north). The current YWPC complies with the prohibitions that were in effect at the time of its initial permitting. As described in this Engineering Report, the proposed YWPC complies with the current Prohibitions of Rule 62-701.300(2), F.A.C. (Rule effective date 3/13/16).

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### 3. Permit Requirements, General [Rule 62-701.320, F.A.C.]

#### 3.1. Permit requirements.

This application is to modify the North Central Landfill (NCLF) operation permit to authorize operation of a new yard waste processing center (YWPC-north) on the property formerly owned and operated by Wheelabrator Ridge Energy, Inc.

#### 3.2. Exemptions.

The YWPC-north does not qualify for the exemptions in Rule 62-701.320(2), F.A.C.

#### 3.3. Irresponsible applicant.

A history and description of enforcement actions taken by the Department against Polk County Board of County Commissioners, Waste & Recycling Division (or its predecessors) relating to solid waste management facilities in Florida since 1989 is summarized in **Attachment 1**. (Rules 62-701.320(3), 62-701.320(7)(i), and 62-701.730(2), F.A.C.)

No enforcement actions have been taken by the Department against Polk County Waste & Recycling Division (W&R) related to its solid waste management facilities since 2010.

#### 3.4. Modification of permit.

In the event that changes to permitted facility construction or operational features are desired, W&R will contact the Department to discuss the proposed changes and determine what, if any, permit modifications are required.

#### 3.5. Permit application.

This permit modification application includes DEP Form 62-701.900(4) (**Attachment 2**), and is of sufficient detail to show how the facility will be operated and closed.

#### 3.6. Engineer of record and professional certification.

The plans, reports, and information supporting this application are signed and sealed as required. The engineer of record will make periodic inspections during construction of facility improvements to ensure that design integrity is maintained. Ms. Susan J. Pelz, P.E., FL PE No. 50835, is the Engineer of Record for this solid waste permitting project.

#### 3.7. Application content and format.

This permit modification application includes (except as noted):

- (a) A transmittal letter;
- (b) Completed DEP Form 62-701.900(4);

- (c) The required Permit fee will be provided under separate cover, or submitted electronically through the DEP Business Portal;
- (d) Engineering Report;
- (e) Appendices – (See Table of Contents);
- (f) Plans and drawings – Figures showing the proposed location and configuration of the facility are included in the Operation Plan and this Engineering Report.
- (g) Boundary survey – Previously provided with North Central Transfer Station (NCTS) permit application, not resubmitted<sup>1</sup>.
- (h) Property ownership documentation – Previously provided with NCTS application, not resubmitted<sup>2</sup>.
- (i) History of enforcement actions – See **Attachment 1**

### 3.8. Notice of application.

Not applicable.

### 3.9. Certification of Construction Completion.

The majority of the former Wheelabrator site is paved and graded to drain to the existing stormwater management system. Since yard trash processing facilities are not required to have leachate controls, no construction is proposed or necessary for operation of the YWPC-north area and a Certification of Construction Completion is not applicable.

### 3.10. Permit duration.

Since this application is for a modification of the landfill Operation Permit, it will expire concurrently with the Operation Permit.

### 3.11. Permit renewals.

W&R will submit a timely and sufficient renewal application for the landfill Operation Permit **prior to sixty days before expiration**. The permit renewal application will demonstrate how W&R will comply with any applicable new or revised laws or rules relating to construction, operation, or closure of the facility. The Operation Plan, Contingency Plan and Closure Plan will be updated **at least once every five years** to reflect changes in the facility design and operation.

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<sup>1</sup> Found in OCULUS at:

[https://depedsms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.327585.1\]&\[profile=Permitting\\_Authorization\]](https://depedsms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.327585.1]&[profile=Permitting_Authorization])

<sup>2</sup> Ibid

### 3.12. Permit transfers.

In the event that the facility is sold or transferred, W&R will notify the Department's Tallahassee and Southwest District offices, and will complete the appropriate portion of DEP Permit Transfer Form 62-701.900(8).

### 3.13. Identification number.

The North Central Yard Waste Processing Center (YWPC) is an ancillary activity of the North Central Landfill whose WACS Facility ID number is 49722.

### 3.14. Airport safety.

As provided in Rule 62-701.320(13)(d), F.A.C., airport notifications and setbacks are not applicable to yard trash processing facilities.

### 3.15. Other facility permits.

The YWPC does not include an air curtain incinerator, solid waste combustor, waste tire management facility, soil treatment facility, used oil processing facility or composting facility.

### 3.16. Operator and spotter training and special criteria.

The YWPC will be operated by a vendor under contract with W&R. Although specific spotter or operator training is not required, the vendor has a least one certified Spotter stationed at the Yard Waste Processing Center. As required by Rule 62-709.320(2)(e), F.A.C., the contracted vendor will ensure that solid wastes other than yard trash and bags used to contain yard trash that is received at the YWPC are removed from the incoming loads and containerized prior to processing the yard waste. Unacceptable wastes will be disposed of in the active landfill or managed as special wastes in accordance with the landfill Operations Plan.

### 3.17. Emergency preparedness and response.

The YWPC will follow the NCLF Contingency Plan.

## Attachments

## Attachment 1

### History of Enforcement Actions

North Central Landfill	
ACTION	STATUS
OGC Case No. 90-1920 issued in 1993 for multiple violations on landfill operation, leachate management, and stormwater management.	Compliance Achieved
Warning Letter #WL000187SW53SWD issued on April 8, 1998 for the following: Whole waste tires disposed in the Class I and Class III disposal area. No load checking program in place for the Class III disposal area. Equipment/truck could not access particular areas. Erosion of supporting base around two monitoring wells. Indication of non-compliance with SWFWMD stormwater permit.	Compliance Achieved
Warning Letter WL06-0003SW53SWD issued on February 23, 2006 for proceeding with the Phase III construction prior to the issuance of a permit from Department.  Combined with Warning Letter #WL06-0013SW53SWD, issued on June 29, 2006, below.	Consent Order issued, compliance achieved, and file was closed.
Warning Letter #WL05-0068AS53SWD issued on February 24, 2006 for the following: Several stationary diesel engines listed as unregulated emission units in the application did not coincide with the current Title V permit.  The estimated emissions from one of the diesel engines failed to meet the exemption criteria. One tub grinder engine size incorrectly listed as 550 hp instead of 1,000 hp.  Installation of engines may have required an air construction permit. NMOC emissions report indicated the site-wide emissions exceeded 50 Megagrams per year (Mg/yr) in 1994 to 1995.	OGC File No. 06-0983  Compliance achieved. June 5, 2006 settlement letter accepted and \$3,500 in penalties paid on August 11, 2006. Department closed file.
Warning Letter WL06-0012SW53SWD issued on May 1, 2006 for the following: Initiating construction of the leachate collection and detection sumps and the drop inlets for the Phase III cell.  Failed to complete the annual video inspection of the bioreactor leachate collection/detection system.	OGC File No. 07-150.  Consent Order issued on February 12, 2007; in-kind project of \$45,750 completed. Compliance achieved.

North Central Landfill	
ACTION	STATUS
<p>Warning Letter #WL05-0008SW53SWD issued on May 10, 2005 for the following:</p> <ul style="list-style-type: none"> <li>Leachate discharging outside the limits of the bottom liner from a pipe being installed for the bioreactor construction.</li> <li>Inadequate daily cover on an area at the top of the landfill. Inadequate intermediate cover on an area of the south slope evidenced by erosion and waste exposure.</li> </ul>	<p>Short Form Consent Order issued, fines of \$6,500 paid and mailed to Department on August 18, 2005. Compliance achieved.</p>
<p>Warning Letter #WL07-0009SW53SWD issued on July 25, 2007 for the following:</p> <ul style="list-style-type: none"> <li>Discharge of leachate to an unlined stormwater ditch along the southern side of the Class I, Phase II landfill cell.</li> </ul>	<p>Department settlement offer of August 10, 2007 was accepted by Polk County and fines of \$3,500 were paid. Compliance achieved.</p>
<p>OGC File No. 08-0643</p> <ul style="list-style-type: none"> <li>Unauthorized filling of a 0.7 acre herbaceous wetland and alteration of a surface water management system</li> </ul>	<p>County accepted on 11/13/2008 settlement offer, \$5,000 payment on 12/10/2008. Compliance achieved.</p>
<p>Warning Letter #WL08-0010SW53SWD issued on October 14, 2008 for the following and Proposed Settlement of OGC File No. 09-0044 dated February 4, 2009:</p> <ul style="list-style-type: none"> <li>Discharge of leachate into unlined stormwater ditch along the southern side of the Class I, Phase II landfill cells on 3/24/2008, 4/17/2008 and 4/21/2008.</li> <li>Erosion in the asbestos disposal area exposed waste.</li> <li>Insufficient intermediate cover in Class I Phase III.</li> <li>Gas collection and control system was not installed by April 27, 2008 within the Closed Unlined Cells Nos. 2, 3 and 4.</li> </ul>	<p>Department dropped the issue of gas collection from the Closed Unlined Cells.</p> <p>Executed Short Form Consent Order with Pollution Prevention (P2) Project, July 12, 2010. County paid \$700 and install solar panel for electric power at scale house, as an in-kind service in lieu of \$17,900 payment for fines. Compliance achieved.</p>

North Central Landfill	
ACTION	STATUS
<p>Warning Letter # WL09-0036AS53SWD issued December 12, 2009 for the following:</p> <ul style="list-style-type: none"> <li>Possible permit violation of Specific Condition 16.A of Air Construction Permit No. 1050298-004-AC.</li> <li>Proposed Settlement of OGC File No. 10-2677 dated January 3, 2011: Civil penalties of \$20,000 and Department costs of \$700.</li> <li>Revised Settlement dated March 4, 2011: Civil penalties of \$10,000 and Department costs of \$700.</li> </ul>	<p>County requested on 1/6/11 a meeting with Department; met on 1/13/11.</p> <p>Revised Settlement Penalties were paid by Wheelabrator Ridge Energy.</p> <p>Department closed the subject OGC File on 3/25/2011.</p>
Northeast Landfill	
ACTION	STATUS
OGC Case No. 90-1919 issued in 1993, Notices of Violation dated April 16, 1990, May 1993, and July 19, 1993, for violations on landfill operation, leachate management, and stormwater management.	Compliance Achieved. County paid fines.
Southeast Landfill	
ACTION	STATUS
OGC Case No. 90-1918 issued in 1993, Notice of Violation dated July 19, 1993, and Warning Letter No. WL93- 0014SW53SWD dated November 15, 1993 for violations on landfill operation, leachate management, and stormwater management.	Compliance Achieved. County paid fines.
Warning Letter No. WL96-0005SW53SWD dated June 17, 1996 for operational violations	<p>Compliance Achieved.</p> <p>County provided two in-kind projects totaling \$10,949.22 in lieu of \$6,200 in civil penalties. In-kind services were the Woodland Wonders Project (Environmental Education and Restoration Volunteer Organization) and the Mobile Household Hazardous Waste Collection Project.</p>

## **Attachment 2**

DEP Form 62-701.900(4)



# Florida Department of Environmental Protection

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

DEP Form #: 62-701.900(1), F.A.C.

Form Title: Application to Construct, Operate, Modify, or  
Close a Solid Waste Management Facility

Effective Date: February 15, 2015

Incorporated in Rule: 62-701.330(3), F.A.C.

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

### APPLICATION INSTRUCTIONS AND FORMS

Northwest District  
160 Governmental Street  
Suite 308  
Pensacola, FL 32502-5794  
850-595-8300

Northeast District  
7777 Baymeadows Way West  
Suite 100  
Jacksonville, FL 32256-7590  
904-256-1700

Central District  
3319 Maguire Boulevard  
Suite 232  
Orlando, FL 32803-3767  
407-897-4100

Southwest District  
13051 North Telecom Pkwy  
Temple Terrace, FL 33637  
813-470-5700

South District  
2295 Victoria Ave, Suite 364  
P.O. Box 2549  
Fort Myers, FL 33901-3881  
239-344-5600

Southeast District  
3301 Gun Club Road  
MSC 7210-1  
West Palm Beach, FL 33406  
561-681-6600

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

### I. General

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes (FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A permit application shall be submitted in accordance with the requirements of Rule 62-701.320(5)(a), F.A.C., to the appropriate Department office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

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

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

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

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

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

### III. Application Parts Required for Closure Permits

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

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

### IV. Permit Renewals

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

**V. Application Codes**

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

**VI. Listing of Application Parts**

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

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

Please Type or Print

**PART A. GENERAL INFORMATION**

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

☒ Class I Landfill

☐ Ash Monofill

☒ Class III Landfill

☐ Asbestos Monofill

☐ Industrial Solid Waste

☒ Other (describe):

Yard trash processing facility

**NOTE:** Waste Processing Facilities should apply on Form 62-701.900(4), FAC;  
Yard Trash Disposal Facilities should notify on Form 62-701.900(3), FAC;  
Compost Facilities should apply on Form 62-709.901(1), FAC; and  
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

☐ Construction

☒ Operation

☐ Construction/Operation

☐ Closure

☐ Long-term Care Only

3. Classification of application:

☐ New

☐ Substantial Modification

☐ Renewal

☐ Intermediate Modification

☒ Minor Modification

4. Facility name: Polk County North Central Landfill (Site 201)

5. DEP ID number: SWD/53/49722 County: Polk

6. Facility location (main entrance):

7399 DeCastro Rd, Winter Haven, FL at the intersection with SR 540

(Winter-Lake Rd). Approximately 5 miles east of U. S. Hwy 98

7. Location coordinates:

Section: 30 Township: 28S Range: 25E

Latitude: 28 ° 01 ' 14 " Longitude: 81 ° 50 ' 41 "

Datum: NGVD 29 Coordinate method: NAD 83

Collected by: Hooshang Shoaee Company/Affiliation: Polk County Waste & Recycling

8. Applicant name (operating authority): Waste & Recycling Division, Board of County Commisioners  
Mailing address: 10 Environmental Loop South, Winter Haven, FL 33880  
Street or P.O. Box City State Zip  
Contact person: Ana Wood Telephone: (863) 284-4319  
Title: Director  
anawood@polk-county.net  
E-Mail address (if available)
9. Authorized agent/Consultant: Jones Edmunds & Associates, Inc.  
Mailing address: 37 Third St. SW, Suite 203, Winter Haven, FL 33880  
Street or P.O. Box City State Zip  
Contact person: George Reinhart Telephone: (352) 258-9545  
Title: Project Engineer  
GReinhart@jonesedmunds.com  
E-Mail address (if available)
10. Landowner (if different than applicant): \_\_\_\_\_  
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:  
Unincorporated area of Polk County and 17 incorporated cities /towns  
in Polk County.  
\_\_\_\_\_
12. Population to be served:  
Current: 724,777 (2019 US Census Est) Five-Year Projection: 757,200 (2025)
13. Date site will be ready to be inspected for completion: n/a
14. Expected life of the facility: indefinite years
15. Estimated costs:  
Total Construction: \$ n/a Closing Costs: \$ n/a
16. Anticipated construction starting and completion dates:  
From: n/a To: n/a
17. Expected volume or weight of waste to be received:  
\_\_\_\_\_ yds<sup>3</sup>/day 160 \_\_\_\_\_ tons/day \_\_\_\_\_ gallons/day  
\_\_\_\_\_ yard waste tonnage

**PART B. DISPOSAL FACILITY GENERAL INFORMATION**

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

This application is for a minor modification to relocate the yard waste processing operation from north of the recovered materials processing facility to the NE part of the former Wheelabrator property.

2. Facility site supervisor: Juan San Martin

Title: Landfill Site Manager Telephone: (863) 284-4319

JuanSanMartin@polk-county.net

E-Mail address (if available)

3. Disposal area: Total acres: 230 Used acres: 146 Available acres: 84

4. Weighing scales used: ☒ Yes ☐ No

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

6. Charge for waste received: \_\_\_\_\_ \$/yds<sup>3</sup> 36.50 \_\_\_\_\_ \$/ton

7. Surrounding land use, zoning:

☒ Residential

☒ Industrial

☒ Agricultural

☐ None

☒ Commercial

☐ Other (describe):

8. Types of waste received:

☒ Household

☒ C & D debris

☒ Commercial

☐ Shredded/cut tires

☒ Incinerator/WTE ash

☒ Yard trash

☐ Treated biomedical

☐ Septic tank

☐ Water treatment sludge

☒ Industrial

☐ Air treatment sludge

☐ Industrial sludge

☒ Agricultural

☒ Domestic sludge

☐ Asbestos

☐ Other (describe):

9. Salvaging permitted: ☐ Yes ☒ No

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

11. Trained spotters: ☒ Yes ☐ No      Number of spotters used: 1 or more

12. Site located in: ☐ Floodplain      ☐ Wetlands      ☒ Other (describe):  
uplands

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13. Days of operation: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

14. Hours of operation: Monday-Friday 7am-5pm; Saturday 7:30am-12:30pm

15. Days working face covered: Daily

16. Elevation of water table: 104 ft. Datum Used: NGVD 1929

17. Number of monitoring wells: See Landfill Water Quality Monitoring Plan.

18. Number of surface monitoring points: 2; 1N and 2S in Saddle Creek

19. Gas controls used: ☒ Yes ☐ No      Type controls: ☒ Active ☐ Passive

Gas flaring: ☒ Yes ☐ No      Gas recovery: ☐ Yes ☒ No

20. Landfill unit liner type:

<input checked="" type="checkbox"/> Natural soils	<input checked="" type="checkbox"/> Double geomembrane
<input type="checkbox"/> Single clay liner	<input type="checkbox"/> Geomembrane & composite
<input checked="" type="checkbox"/> Single geomembrane	<input type="checkbox"/> Double composite
<input type="checkbox"/> Single composite	<input type="checkbox"/> None
<input type="checkbox"/> Slurry wall	<input type="checkbox"/> Other (describe):

Double geomembrane in Class I Phases II, III and V; Single and double geomembranes in Phase VI

Single geomembrane in Class I Phase I

Natural soils in Class III, Closed Unlined Class I/III and Closed Class I cells.

21. Leachate collection method:

<input checked="" type="checkbox"/> Collection pipes	<input checked="" type="checkbox"/> Double geomembrane
<input checked="" type="checkbox"/> Geonets	<input type="checkbox"/> Gravel layer
<input type="checkbox"/> Well points	<input type="checkbox"/> Interceptor trench
<input type="checkbox"/> Perimeter ditch	<input type="checkbox"/> None
<input type="checkbox"/> Other (describe):	

sand

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22. Leachate storage method:

☒ Tanks ☒ Surface impoundments

☐ Other (describe):

Aeration and Sedimentation Ponds are the initial treatment units in the Constructed Wetland Leachate Treatment System (CWLTS) and are designed and will be constructed as leachate surface impoundments in accordance with Rule 62-701.400(6), F.A.C.

23. Leachate treatment method:

☐ Oxidation ☐ Chemical treatment

☐ Secondary ☒ Settling

☐ Advanced ☒ None

☒ Other (describe):

Constructed Wetland Leachate Treatment System (CWLTS)

Leachate that is not discharged to the CWLTS is not otherwise treated onsite, but is hauled offsite for disposal

24. Leachate disposal method:

☒ Recirculated ☐ Pumped to WWTP

☒ Transported to WWTP ☒ Discharged to surface water/wetland

☐ Injection well ☐ Percolation ponds

☐ Evaporation ☐ Spray irrigation

☐ Other (describe):

Leachate will be treated in the CWLTS. Treated effluent will be discharged to groundwater via percolation pond permitted in accordance with Chapter 62-620, F.A.C.

25. For leachate discharged to surface waters:

Name and Class of receiving water:

n/a

26. Storm Water:

Collected: ☒ Yes ☐ No

Type of treatment:

Wet retention ponds

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Name and Class of receiving water:

Saddle Creek, Class III

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27. Environmental Resources Permit (ERP) number or status:

ERP Permit: 53-0239488-021-EM.

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**PART C. PROHIBITIONS (62-701.300, FAC) for New Yard Waste Processing Center**

**LOCATION**

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|---|--|---|
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 1. Provide documentation that each of the siting criteria will be satisfied for the facility; (62-701.300(2), FAC)  |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 2. If the facility qualifies for any of the exemptions contained in Rules 62-701.300(12), (13) and (16) through (18), FAC, then document this qualification(s); |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 3. Provide documentation that the facility will be in compliance with the burning restrictions; (62-701.300(3), FAC)  |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 4. Provide documentation that the facility will be in compliance with the hazardous waste restrictions; (62-701.300(4), FAC)                                    |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 5. Provide documentation that the facility will be in compliance with the PCB disposal restrictions; (62-701.300(5), FAC)                                       |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 6. Provide documentation that the facility will be in compliance with the biomedical waste restrictions; (62-701.300(6), FAC)                                   |
| S <input type="checkbox"/> _____                        | N/A <input checked="" type="checkbox"/> N/C <input type="checkbox"/> | 7. Provide documentation that the facility will be in compliance with the Class I surface water restrictions; (62-701.300(7), FAC)                              |
| S <input type="checkbox"/> _____                        | N/A <input checked="" type="checkbox"/> N/C <input type="checkbox"/> | 8. Provide documentation that the facility will be in compliance with the special waste for landfills restrictions; (62-701.300(8), FAC)                        |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 9. Provide documentation that the facility will be in compliance with the liquid restrictions; (62-701.300(10), FAC)  |
| S <input checked="" type="checkbox"/> <u>Egr Report</u> | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 10. Provide documentation that the facility will be in compliance with the used oil and oily waste restrictions; (62-701.300(11), FAC)                          |
| S <input checked="" type="checkbox"/> <u>Op Plan</u>    | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 11. Provide documentation that the facility will be in compliance with the CCA treated wood restrictions; (62-701.300(14), FAC)                                 |
| S <input checked="" type="checkbox"/> <u>Op Plan</u>    | N/A <input type="checkbox"/> N/C <input type="checkbox"/>            | 12. Provide documentation that the facility will be in compliance with the dust control restrictions; (62-701.300(15), FAC)                                     |

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

**LOCATION**

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| <p>S <input checked="" type="checkbox"/> <u>Egr Report</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>        | <p>1. A minimum of one completed electronic application form, all supporting data and reports; (62-701.320(5)(a), FAC)</p>   |
| <p>S <input checked="" type="checkbox"/> <u>Egr Report</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>        | <p>2. Engineering and/or professional certification (signature, date, and seal) provided on the applications and all engineering plans, reports, and supporting information for the application; (62-701.320(6), FAC)</p>  |
| <p>S <input checked="" type="checkbox"/> _____    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>                    | <p>3. A letter of transmittal to the Department; (62-701.320(7)(a), FAC)</p>   |
| <p>S <input checked="" type="checkbox"/> <u>Egr Report, Att 2</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>4. A completed application form dated and signed by the applicant; (62-701.320(7)(b), FAC)</p>  |
| <p>S <input checked="" type="checkbox"/> <u>via Portal</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>        | <p>5. Permit fee specified in Rule 62-701.315, FAC in check or money order, payable to the Department; (62-701.320(7)(c), FAC)</p>   |
| <p>S <input checked="" type="checkbox"/> <u>Egr Report</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>        | <p>6. An engineering report addressing the requirements of this rule and with the following format: a cover sheet, text printed on 8 ½ inch by 11 inch consecutively numbered pages, a table of contents or index, the body of the report and all appendices including an operation plan, contingency plan, illustrative charts and graphs, records or logs of tests and investigations, engineering calculations; (62-701.320(7)(d), FAC)</p> |
| <p>S <input checked="" type="checkbox"/> <u>Egr Report, App A</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>7. Operation Plan and Closure Plan; (62-701.320(7)(e)1, FAC)</p>  |
| <p>S <input checked="" type="checkbox"/> <u>Op Plan</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>           | <p>8. Contingency Plan; (62-701.320(7)(e)2, FAC)</p>   |
| <p>S <input checked="" type="checkbox"/> <u>Op Plan</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>           | <p>9. Plans or drawings for the solid waste management facilities in appropriate format (including sheet size restrictions, cover sheet, legends, north arrow, horizontal and vertical scales, elevations referenced to NGVD 1929) showing: (62-701.320(7)(f), FAC)</p>  |
| <p>S <input type="checkbox"/> _____    N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p>                    | <p>a. A regional map or plan with the project location in relation to major roadways and population centers;</p>   |
| <p>S <input type="checkbox"/> _____    N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p>                    | <p>b. A vicinity map or aerial photograph no more than one year old showing the facility site and relevant surface features located within 1000 feet of the facility;</p>  |
| <p>S <input type="checkbox"/> _____    N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p>                    | <p>c. A site plan showing all property boundaries certified by a Florida Licensed Professional Surveyor and Mapper;</p>  |
| <p>S <input checked="" type="checkbox"/> <u>Egr Report</u>    N/A <input type="checkbox"/> N/C <input type="checkbox"/></p>        | <p>d. Other necessary details to support the engineering report, including referencing elevations to a consistent, nationally recognized datum, and identifying the method used for collecting latitude and longitude data;</p>  |

**LOCATION****PART D CONTINUED**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

10. Documentation that the applicant either owns the property or has legal authority from the property owner to use the site; (62-701.320(7)(g), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

11. For facilities owned or operated by a county, provide a description of how, if any, the facilities covered in this application will contribute to the county's achievement of the waste reduction and recycling goals contained in Section 403.706, FS; (62-701.320(7)(h), FAC)

S ☒ Egr Report, Att 1 N/A ☐ N/C ☐

12. Provide a history and description of any enforcement actions taken by the Department against the applicant for violations of applicable statutes, rules, orders, or permit conditions relating to the operation of any solid waste management facility in the state; (62-701.320(7)(i), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

13. Proof of publication in a newspaper of general circulation of notice of application for a permit to construct or substantially modify a solid waste management facility; (62-701.320(8), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

14. Provide a description of how the requirements for airport safety will be achieved, including proof of required notices if applicable. If exempt, explain how the exemption applies; (62-701.320(13), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

15. Explain how the operator and spotter training requirements and special criteria will be satisfied for the facility; (62-701.320(15), FAC)

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

1. Regional map or aerial photograph no more than five years old showing all airports that are located within five miles of the proposed landfill; (62-701.330(3)(a), FAC)

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

2. Plot plan with a scale not greater than 200 feet to the inch showing: (62-701.330(3)(b), FAC)

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Dimensions;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

b. Locations of proposed and existing water quality monitoring wells;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

c. Locations of soil borings;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

d. Proposed plan of trenching or disposal areas;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

e. Cross sections showing original elevations and proposed final contours which shall be included either on the plot plan or on separate sheets;

**LOCATION****PART E CONTINUED**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

f. Any previously filled waste disposal areas;

g. Fencing or other measures to restrict access;

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

a. Proposed fill areas;

b. Borrow areas;

c. Access roads;

d. Grades required for proper drainage;

e. Cross sections of lifts;

f. Special drainage devices if necessary;

g. Fencing;

h. Equipment facilities;

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

a. The current and projected population and area to be served by the proposed site;

b. The anticipated type, annual quantity, and source of solid waste expressed in tons;

c. Planned active life of the facility, the final design height of the facility, and the maximum height of the facility during its operation;

d. The source and type of cover material used for the landfill;

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

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

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

1. Describe (and show on a Federal Insurance Administration flood map, if available) how the landfill or solid waste disposal unit shall not be located in the 100 year floodplain where it will restrict the flow of the 100 year flood, reduce the temporary water storage capacity of the floodplain unless compensating storage is provided, or result in a washout of solid waste; (62-701.340(3)(b), FAC)

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

2. Describe how the minimum horizontal separation between waste deposits in the landfill and the landfill property boundary shall be 100 feet, measured from the toe of the proposed final cover slope; (62-701.340(3)(c), FAC)

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

Modification is for relocation of yard trash processing facility so this Section is N/A

**LOCATION**

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

1. Describe how the landfill shall be designed so the solid waste disposal units will be constructed and closed at planned intervals throughout the design period of the landfill, and shall be designed to achieve a minimum factor of safety of 1.5 using peak strength values to prevent failures of side slopes and deep-seated failures; (62-701.400(2), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

2. Landfill liner requirements; (62-701.400(3), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

a. General construction requirements; (62-701.400(3)(a), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(1) Provide test information and documentation to ensure the liner will be constructed of materials that have appropriate physical, chemical, and mechanical properties to prevent failure;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(2) Document foundation is adequate to prevent liner failure;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(3) Constructed so bottom liner will not be adversely impacted by fluctuations of the ground water;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

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

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

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

**LOCATION**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐**PART G CONTINUED**

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

- (1) Upper geomembrane thickness and properties;
- (2) Design leachate head for primary leachate collection and removal system (LCRS) including leachate recirculation if appropriate;
- (3) Design thickness in accordance with Table A and number of lifts planned for lower soil component;

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

- (1) Upper and lower geomembrane thickness and properties;
- (2) Design leachate head for primary LCRS to limit the head to one foot above the liner;
- (3) Lower geomembrane sub-base design;
- (4) Leak detection and secondary leachate collection system minimum design criteria ( $k \geq 10$  cm/sec, head on lower liner  $\leq 1$  inch, head not to exceed thickness of drainage layer);

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

- (1) Factory and field seam test methods to ensure all geomembrane seams achieve the minimum specifications;
- (2) Geomembranes to be used shall pass a continuous spark test by the manufacturer;
- (3) Design of 24-inch-thick protective layer above upper geomembrane liner;
- (4) Describe operational plans to protect the liner and leachate collection system when placing the first layer of waste above a 24-inch-thick protective layer;
- (5) HDPE geomembranes, if used, meet the specifications in GRI GM13, and LLDPE geomembranes, if used, meet the specifications in GRI GM17;
- (6) PVC geomembranes, if used, meet the specifications in PGI 1104;

**LOCATION**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐**PART G CONTINUED**

- (7) Interface shear strength testing results of the actual components which will be used in the liner system;
- (8) Transmissivity testing results of geonets if they are used in the liner system;
- (9) Hydraulic conductivity testing results of geosynthetic clay liners if they are used in the liner system;
- e. Geosynthetic specification requirements; (62-701.400(3)(e), FAC)
- (1) Definition and qualifications of the designer, manufacturer, installer, QA consultant and laboratory, and QA program;
- (2) Material specifications for geomembranes, geocomposites, geotextiles, geogrids, and geonets;
- (3) Manufacturing and fabrication specifications including geomembrane raw material and roll QA, fabrication personnel qualifications, seaming equipment and procedures, overlaps, trial seams, destructive and non-destructive seam testing, seam testing location, frequency, procedure, sample size, and geomembrane repairs;
- (4) Geomembrane installation specifications including earthwork, conformance testing, geomembrane placement, installation personnel qualifications, field seaming and testing, overlapping and repairs, materials in contact with geomembranes, and procedures for lining system acceptance;
- (5) Geotextile and geogrids specifications including handling and placement, conformance testing, seams and overlaps, repair, and placement of soil materials and any overlying materials;
- (6) Geonet and geocomposites specifications including handling and placement, conformance testing, stacking and joining, repair, and placement of soil materials and any overlying materials;
- (7) Geosynthetic clay liner specifications including handling and placement, conformance testing, seams and overlaps, repair, and placement of soil materials and any overlying materials;

**LOCATION**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐**PART G CONTINUED**

f. Standards for soil liner components; (62-701.400(3)(f), FAC)

- (1) Description of construction procedures including over-excavation and backfilling to preclude structural inconsistencies and procedures for placing and compacting soil components in layers;
- (2) Demonstration of compatibility of the soil component with actual or simulated leachate in accordance with EPA Test Method 9100, or an equivalent test method;
- (3) Procedures for testing in situ soils to demonstrate they meet the specifications for soil liners;
- (4) Specifications for soil component of liner including at a minimum:
  - (a) Allowable particle size distribution, and Atterberg limits including shrinkage limit;
  - (b) Placement moisture and dry density criteria;
  - (c) Maximum laboratory-determined saturated hydraulic conductivity using simulated leachate;
  - (d) Minimum thickness of soil liner;
  - (e) Lift thickness;
  - (f) Surface preparation (scarification);
  - (g) Type and percentage of clay mineral within the soil component;
- (5) Procedures for constructing and using a field test section to document the desired saturated hydraulic conductivity and thickness can be achieved in the field;

g. If a Class III landfill is to be constructed with a bottom liner system, provide a description of how the minimum requirements for the liner will be achieved;

**LOCATION****PART G CONTINUED**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

## 3. Leachate collection and removal system (LCRS); (62-701.400(4), FAC)

## a. The primary and secondary LCRS requirements; (62-701.400(4)(a), FAC)

- (1) Constructed of materials chemically resistant to the waste and leachate;
- (2) Have sufficient mechanical properties to prevent collapse under pressure;
- (3) Have granular material or synthetic geotextile to prevent clogging;
- (4) Have a method for testing and cleaning clogged pipes or contingent designs for reducing leachate around failed areas;

## b. Other LCRS requirements; (62-701.400(4)(b), (c) and (d), FAC)

- (1) Bottom 12 inches having hydraulic conductivity  $\geq 1 \times 10^{-3}$  cm/sec;
- (2) Total thickness of 24 inches of material chemically resistant to the waste and leachate;
- (3) Bottom slope design to accommodate for predicted settlement and still meet minimum slope requirements;
- (4) Demonstration that synthetic drainage material, if used, is equivalent or better than granular material in chemical compatibility, flow under load, and protection of geomembranes liner;
- (5) Schedule provided for routine maintenance of LCRS.

## 4. Leachate recirculation; (62-701.400(5), FAC)

## a. Describe general procedures for recirculating leachate;

## b. Describe procedures for controlling leachate runoff and minimizing mixing of leachate runoff with storm water;

## c. Describe procedures for preventing perched water conditions and gas buildup;

**LOCATION****PART G CONTINUED**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

d. Describe alternate methods for leachate management when it cannot be recirculated due to weather or runoff conditions, surface seeps, wind-blown spray, or elevated levels of leachate head on the liner;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

e. Describe methods of gas management in accordance with Rule 62-701.530, FAC;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

f. If leachate irrigation is proposed, describe treatment methods and standards for leachate treatment prior to irrigation over final cover, and provide documentation that irrigation does not contribute significantly to leachate generation;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

5. Leachate storage tanks and leachate surface impoundments; (62-701.400(6), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

a. Surface impoundment requirements; (62-701.400(6)(b), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(1) Documentation that the design of the bottom liner will not be adversely impacted by fluctuations of the ground water;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(2) Designed in segments to allow for inspection and repair, as needed, without interruption of service;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(3) General design requirements;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(a) Double liner system consisting of an upper and lower 60-mil minimum thickness geomembrane;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(b) Leak detection and collection system with hydraulic conductivity  $\geq 1$  cm/sec;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(c) Lower geomembrane place on subbase  $\geq 6$  inches thick with  $k \leq 1 \times 10^{-5}$  cm/sec or on an approved geosynthetic clay liner with  $k \leq 1 \times 10^{-7}$  cm/sec;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(d) Design calculation to predict potential leakage through the upper liner;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(e) Daily inspection requirements, and notification and corrective action requirements if leakage rates exceed that predicted by design calculations;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(4) Description of procedures to prevent uplift, if applicable;

**LOCATION**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐**PART G CONTINUED**

(5) Design calculations to demonstrate minimum two feet of freeboard will be maintained;

(6) Procedures for controlling vectors and off-site odors;

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

(1) Describe tank materials of construction and ensure foundation is sufficient to support tank;

(2) Describe procedures for cathodic protection for the tank, if needed;

(3) Describe exterior painting and interior lining of the tank to protect it from the weather and the leachate stored;

(4) Describe secondary containment design to ensure adequate capacity will be provided and compatibility of materials of construction;

(5) Describe design to remove and dispose of stormwater from the secondary containment system;

(6) Describe an overfill prevention system, such as level sensors, gauges, alarms, and shutoff controls to prevent overfilling;

(7) Inspections, corrective action, and reporting requirements;

(a) Weekly inspection of overfill prevention system;

(b) Weekly inspection of exposed tank exteriors;

(c) Inspection of tank interiors when tank is drained, or at least every three years;

(d) Procedures for immediate corrective action if failures detected;

(e) Inspection reports available for Department review;

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

**LOCATION**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐S ☐ \_\_\_\_\_ N/A ☒ N/C ☐**PART G CONTINUED**

(1) Describe materials of construction;

(2) A double-walled tank design system to be used with the following requirements:

(a) Interstitial space monitoring at least weekly;

(b) Corrosion protection provided for primary tank interior and external surface of outer shell;

(c) Interior tank coatings compatible with stored leachate;

(d) Cathodic protection inspected weekly and repaired as needed;

(3) Describe an overfill prevention system, such as level sensors, gauges, alarms, and shutoff controls to prevent overfilling, and provide for weekly inspections;

(4) Inspection reports available for Department review;

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

a. Provide CQA Plan including:

(1) Specifications and construction requirements for liner system;

(2) Detailed description of quality control testing procedures and frequencies;

(3) Identification of supervising professional engineer;

(4) Identify responsibility and authority of all appropriate organizations and key personnel involved in the construction project;

(5) State qualifications of CQA professional engineer and support personnel;

**LOCATION****PART G CONTINUED**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

(6) Description of CQA reporting forms and documents;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

b. An independent laboratory experienced in the testing of geosynthetics to perform required testing;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

7. Soil liner CQA; (62-701.400(8), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

a. Documentation that an adequate borrow source has been located with test results, or description of the field exploration and laboratory testing program to define a suitable borrow source;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

b. Description of field test section construction and test methods to be implemented prior to liner installation;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

c. Description of field test methods, including rejection criteria and corrective measures to insure proper liner installation;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

8. For surface water management systems at aboveground disposal units, provide documentation showing the design of any features intended to convey stormwater to a permitted or exempted treatment system; (62-701.400(9), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

9. Gas control systems; (62-701.400(10), FAC)

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

a. Provide documentation that if the landfill is receiving degradable wastes, it will have a gas control system complying with the requirements of Rule 62-701.530, FAC;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

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

**PART H. HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (62-701.410(2), FAC)**

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

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

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Regional and site specific geology and hydrology;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

b. Direction and rate of ground water and surface water flow including seasonal variations;

**LOCATION**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒**PART H CONTINUED**

c. Background quality of ground water and surface water;

d. Any on-site hydraulic connections between aquifers;

e. Site stratigraphy and aquifer characteristics for confining layers, semi-confining layers, and all aquifers below the site that may be affected by the disposal facility;

f. Description of topography, soil types, and surface water drainage systems;

g. Inventory of all public and private water wells within a one mile radius of the site including, where available, well top of casing and bottom elevations, name of owner, age and usage of each well, stratigraphic unit screened, well construction technique, and static water level;

h. Identify and locate any existing contaminated areas on the site;

i. Include a map showing the locations of all potable wells within 500 feet of the waste storage and disposal areas;

2. Report signed, sealed, and dated by P.E. and/or P.G.

**PART I. GEOTECHNICAL INVESTIGATION REQUIREMENTS (62-701.410(3) and (4), FAC)****LOCATION**

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

1. Submit a geotechnical site investigation report defining the engineering properties of the site including at least the following:

a. Description of subsurface conditions including soil stratigraphy and ground water table conditions;

b. Investigate for the presence of muck, previously filled areas, soft ground, and lineaments;

c. Estimates of average and maximum high water table across the site;

d. Evaluation of potential for fault areas and seismic impact zones;

e. Foundation analysis including:

**LOCATION****PART I CONTINUED**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(1) Foundation bearing capacity analysis;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(2) Total and differential subgrade settlement analysis;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(3) Slope stability analysis;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

f. Evaluation of potential for sinkholes and sinkhole activity at the site that is based upon the investigations required in Rule 62-701.410(3)(f), F.A.C.;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

g. A geotechnical report providing a description of methods used in the investigation, and includes soil boring logs, laboratory results, analytical calculations, cross sections, interpretations, conclusions, and a description of any engineering measures proposed for the site;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

2. Report signed, sealed, and dated by P.E. and/or P.G.

**PART J. VERTICAL EXPANSION OF LANDFILLS (62-701.430, FAC)****Modification is for relocation of yard trash processing facility so this Section is N/A****LOCATION**S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

1. Describe how the vertical expansion shall not cause or contribute to any violations of water quality standards or criteria, shall not cause objectionable odors, or adversely affect the closure design of the existing landfill;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

2. Describe how the vertical expansion over unlined landfills will meet the requirements of Rule 62-701.400, FAC with the exceptions of Rule 62-701.430(1)(c), FAC;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

3. Provide foundation and settlement analysis for the vertical expansion;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

4. Provide total settlement calculations demonstrating that the final elevations of the lining system, gravity drainage, and no other component of the design will be adversely affected;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

5. Minimum stability factor of safety of 1.5 for the lining system component interface stability and for deep stability;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

6. Provide documentation to show the surface water management system will not be adversely affected by the vertical expansion;

S ☐ \_\_\_\_\_ N/A ☒ N/C ☐

7. Provide gas control designs to prevent accumulation of gas under the new liner for the vertical expansion;

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

**LOCATION**

S <input type="checkbox"/> _____	N/A <input checked="" type="checkbox"/> N/C <input type="checkbox"/>	1. Provide documentation that the landfill will have at least one trained operator during operation and at least one trained spotter at each working face; (62-701.500(1), FAC)
S <input checked="" type="checkbox"/> Egr Report, App A	N/A <input type="checkbox"/> N/C <input type="checkbox"/>	2. Provide a landfill operation plan including procedures for: (62-701.500(2), FAC)
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	a. Designating responsible operating and maintenance personnel;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	b. Emergency preparedness and response, as required in subsection 62-701.320(16), FAC;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	c. Controlling types of waste received at the landfill;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	d. Weighing incoming waste;
S <input checked="" type="checkbox"/> Op Plan Fig 12-1	N/A <input type="checkbox"/> N/C <input type="checkbox"/>	e. Vehicle traffic control and unloading;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	f. Method and sequence of filling waste;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	g. Waste compaction and application of cover;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	h. Operations of gas, leachate, and stormwater controls;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	i. Water quality monitoring;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	j. Maintaining and cleaning the leachate collection system;
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	3. Provide a description of the landfill operation record to be used at the landfill, details as to location of where various operational records will be kept (i.e. DEP permit, engineering drawings, water quality records, etc.); (62-701.500(3), FAC)
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	4. Describe the waste records that will be compiled monthly and provided to the Department annually; (62-701.500(4), FAC)
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	5. Describe methods of access control; (62-701.500(5), FAC)
S <input type="checkbox"/> _____	N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/>	6. Describe load checking program to be implemented at the landfill to discourage disposal of unauthorized waste at the landfill; (62-701.500(6), FAC)

**LOCATION****PART K CONTINUED**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

7. Describe procedures for spreading and compacting waste at the landfill that include: (62-701.500(7), FAC)

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Waste layer thickness and compaction frequencies;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

b. Special considerations for first layer of waste placed above the liner and leachate collection system;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

c. Slopes of cell working face and side grades above land surface, and planned lift depths during operation;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

d. Maximum width of working face;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

e. Description of type of initial cover to be used at the facility that controls:

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(1) Vector breeding/animal attraction;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(2) Fires;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(3) Odors;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(4) Blowing litter;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

(5) Moisture infiltration;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

f. Procedures for applying initial cover, including minimum cover frequencies;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

g. Procedures for applying intermediate cover;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

h. Time frames for applying final cover;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

i. Procedures for controlling scavenging and salvaging;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

j. Description of litter policing methods;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

k. Erosion control procedures;

**LOCATION****PART K CONTINUED**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

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

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Leachate level monitoring;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

b. Operation and maintenance of leachate collection and removal system, and treatment as required;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

c. Procedures for managing leachate if it becomes regulated as a hazardous waste;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

d. Identification of treatment or disposal facilities that may be used for off-site discharge and treatment of leachate;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

e. Contingency plan for managing leachate during emergencies or equipment problems;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

f. Procedures for recording quantities of leachate generated in gal/day and including this in the operating record;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

g. Procedures for comparing precipitation experienced at the landfill with leachate generation rates and including this information in the operating record;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

h. Procedures for water pressure cleaning or video inspecting leachate collection systems;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

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

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

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

S ☒ \_\_\_\_\_ N/A ☐ N/C ☒

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

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Sufficient equipment for excavating, spreading, compacting, and covering waste;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

b. Reserve equipment or arrangements to obtain additional equipment within 24 hours of breakdown;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

c. Communications equipment;

**LOCATION****PART K CONTINUED**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

d. Dust control methods;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

e. Fire protection capabilities and procedures for notifying local fire department authorities in emergencies;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

f. Litter control devices;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

g. Signs indicating operating authority, traffic flow, hours of operation, and disposal restrictions;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

12. Provide a description of all-weather access road, inside perimeter road, and other on-site roads necessary for access at the landfill; (62-701.500(12), FAC)

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

13. Additional record keeping and reporting requirements; (62-701.500(13), FAC)

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Records used for developing permit applications and supplemental information maintained for the design period of the landfill;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

b. Monitoring information, calibration and maintenance records, and copies of reports required by permit maintained for at least 10 years;

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

c. Maintain annual estimates of the remaining life of constructed landfills, and of other permitted areas not yet constructed, and submit this estimate annually to the Department;

S ☒ \_\_\_\_\_ N/A ☐ N/C ☒

d. Procedures for archiving and retrieving records which are more than five years old;

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

1. A water quality monitoring plan shall be submitted describing the proposed ground water and surface water monitoring systems, and shall meet at least the following requirements:

S ☐ \_\_\_\_\_ N/A ☐ N/C ☒

a. Based on the information obtained in the hydrogeological investigation and signed, dated, and sealed by the P.G. or P.E. who prepared it; (62-701.510(2)(a), FAC)

**LOCATION**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒**PART L CONTINUED**

b. All sampling and analysis performed in accordance with Chapter 62-160, FAC; (62-701.510(2)(b), FAC)

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

(1) Detection wells located downgradient from and within 50 feet of disposal units;

(2) Downgradient compliance wells as required;

(3) Background wells screened in all aquifers below the landfill that may be affected by the landfill;

(4) Location information for each monitoring well;

(5) Well spacing no greater than 500 feet apart for downgradient wells and no greater than 1500 feet apart for upgradient wells, unless site specific conditions justify alternate well spacings;

(6) Properly selected well screen locations;

(7) Monitoring wells constructed to provide representative ground water samples;

(8) Procedures for properly abandoning monitoring wells;

(9) Detailed description of detection sensors, if proposed;

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

(1) Location of and justification for all proposed surface water monitoring points;

(2) Each monitoring location to be marked and its position determined by a registered Florida land surveyor;

e. Initial and routine sampling frequency and requirements; (62-701.510(5), FAC)

(1) Initial background ground water and surface water sampling and analysis requirements;

**LOCATION****PART L CONTINUED**

- |                                  |  |   |
|----------------------------------|--|---|
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (2) Routine monitoring well sampling and analysis requirements;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (3) Routine surface water sampling and analysis requirements;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | f. Describe procedures for implementing evaluation monitoring, prevention measures, and corrective action as required; (62-701.510(6), FAC)   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | g. Water quality monitoring report requirements; (62-701.510(8), FAC)   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (1) Semi-annual report requirements; (see paragraphs 62-701.510(5)(c) and (d), FAC for sampling frequencies)  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (2) Documentation that the water quality data shall be provided to the Department in an electronic format consistent with requirements for importing into Department databases, unless an alternate form of submittal is specified in the permit; |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (3) Two and one-half year, or annual, report requirements, or every five years if in long-term care, signed dated, and sealed by P.G. or P.E.;  |

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**

- |                                  |  |  |
|----------------------------------|--|--|
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 1. Describe procedures for managing motor vehicles; (62-701.520(1), FAC)                     |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 2. Describe procedures for landfilling shredded waste; (62-701.520(2), FAC)                  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 3. Describe procedures for asbestos waste disposal; (62-701.520(3), FAC)                     |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 4. Describe procedures for disposal or management of contaminated soil; (62-701.520(4), FAC) |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 5. Describe procedures for disposal of biological wastes; (62-701.520(5), FAC)               |

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**

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

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**

- |                                  |  |  |
|----------------------------------|--|--|
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 1. Closure permit requirements; (62-701.600(2), FAC)   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | a. Application submitted to the Department at least 90 days prior to final receipt of wastes;  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | b. Closure plan shall include the following:   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (1) Closure design plan;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (2) Closure operation plan;  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (3) Plan for long-term care;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (4) A demonstration that proof of financial assurance for long-term care will be provided;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | 2. Closure design plan including the following requirements: (62-701.600(3), FAC)  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | a. Plan sheet showing phases of site closing;  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | b. Drawings showing existing topography and proposed final grades;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | c. Provisions to close units when they reach approved design dimensions;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | d. Final elevations before settlement;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | e. Side slope design including benches, terraces, down slope drainage ways, energy dissipaters, and description of expected precipitation effects; |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | f. Final cover installation plans including:   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (1) CQA plan for installing and testing final cover;   |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (2) Schedule for installing final cover after final receipt of waste;  |
| S <input type="checkbox"/> _____ | N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/> | (3) Description of drought resistant species to be used in the vegetative cover;   |

**LOCATION**S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒S ☐ \_\_\_\_\_ N/A ☐ N/C ☒**PART O CONTINUED**

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

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

g. Final cover design requirements;

(1) Protective soil layer design;

(2) Barrier soil layer design;

(3) Erosion control vegetation;

(4) Geomembrane barrier layer design;

(5) Geosynthetic clay liner design, if used;

(6) Stability analysis of the cover system and the disposed waste;

h. Proposed method of stormwater control;

i. Proposed method of access control;

j. Description of the proposed or existing gas management system which complies with Rule 62-701.530, FAC;

3. Closure operation plan shall include: (62-701.600(4), FAC)

a. Detailed description of actions which will be taken to close the landfill;

b. Time schedule for completion of closing and long-term care;

c. Describe proposed method for demonstrating financial assurance for long-term care;

d. Operation of the water quality monitoring plan required in Rule 62-701.510, FAC;

e. Development and implementation of gas management system required in Rule 62-701.530, FAC;

**LOCATION****PART O CONTINUED**

- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 4. Certification of closure construction completion and final reports including: (62-701.600(6), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ a. Survey monuments; (62-701.600(6)(a), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ b. Final survey report; (62-701.600(6)(b), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ c. Closure construction quality assurance report; (62-701.400(7), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 5. Declaration to the public; (62-701.600(7), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 6. Official date of closing; (62-701.600(8), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 7. Justification for and detailed description of procedures to be followed for temporary closure of the landfill, if desired; (62-701.600(9), FAC)

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**

- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 1. Describe how the requirements for use of closed solid waste disposal areas will be achieved; (62-701.610(1), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 2. Describe how the requirements for relocation of wastes will be achieved; (62-701.610(2), FAC)

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

Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

**LOCATION**

- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 1. Maintaining the gas collection and monitoring system; (62-701.620(5), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 2. Stabilization report requirements; (62-701.620(6), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 3. Right of access; (62-701.620(7), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 4. Requirements for replacement of monitoring devices; (62-701.620(8), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 5. Completion of long-term care signed and sealed by professional engineer; (62-701.620(9), FAC)

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

**LOCATION** Modification is for relocation of yard trash processing facility so previously approved information for landfill is still valid

- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 1. Provide cost estimates for closing, long-term care, and corrective action costs estimated by a P.E. for a third party performing the work, on a per unit basis, with the source of estimates indicated; (62-701.630(3) & (7), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 2. Describe procedures for providing annual cost adjustments to the Department based on inflation and changes in the closing, long-term care, and corrective action plans; (62-701.630(4) & (8), FAC)
- S ☐ \_\_\_\_\_ N/A ☐ N/C ☒ 3. Describe funding mechanisms for providing proof of financial assurance and include appropriate financial assurance forms. (62-701.630(5), (6), & (9), FAC)

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

1. Applicant:

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

Ana Wood  
Signature of Applicant or Agent

Ana Wood, Director  
Name and Title (please type)

AnaWood@polk-county.net  
E-Mail Address (if available)

10 Environmental Loop South  
Mailing Address

Winter Haven, FL 33880  
City, State, Zip Code

(863) 284-4319  
Telephone Number

Date: May 17, 2022

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

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

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

Susan J. Pelz, P.E., President  
Signature  
Name and Title (please type)  
Pelz Environmental Services, Inc.

50835  
Florida Registration Number (please affix seal)

PO Box 961  
Mailing Address

Brandon, FL 33509  
City, State, Zip Code

Susan@PelzEnvServices.com  
E-Mail Address (if available)

(813) 447-0054  
Telephone Number

Date: 06/02/2022

## **Attachment 3**

### Stormwater Permit



## Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: [WaterMatters.org](http://WaterMatters.org)

An Equal  
Opportunity  
Employer

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
78 Sarasota Center Boulevard  
Sarasota, Florida 34240-9770  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

April 22, 2022

Polk County Waste & Recycling  
Attn: Ana Wood  
10 Environmental Loop South  
Winter Haven, FL 33880

Subject: **Notice of Intended Agency Action - Approval  
ERP Minor Modification**

Project Name: Wheelabrator Transfer of ERP Permit  
App ID/Permit No: 844126 / 43010070.004  
County: Polk  
Letter Received: March 30, 2022  
Expiration Date: April 22, 2027  
Sec/Twp/Rge: S19/T28S/R25E

Dear Permittee(s):

The Southwest Florida Water Management District (District) has completed its review of the application for Environmental Resource Permit modification. Based upon a review of the information you have submitted, the District hereby gives notice of its intended approval of the application.

The File of Record associated with this application can be viewed at <http://www18.swfwmd.state.fl.us/erp/erp/search/ERPSearch.aspx> and is also available for inspection Monday through Friday, except for District holidays, from 8:00 a.m. through 5:00 p.m. at the District's Tampa Service Office, 7601 U.S. Highway 301 North, Tampa, Florida 33637.

If you have any questions or concerns regarding the application or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

David Kramer, P.E.  
Bureau Chief  
Environmental Resource Permit Bureau  
Regulation Division

cc: Pelz Environmental Services Inc



An Equal  
Opportunity  
Employer

## Southwest Florida Water Management District

2379 Broad Street, Brooksville, Florida 34604-6899  
(352) 796-7211 or 1-800-423-1476 (FL only)  
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)  
On the Internet at: [WaterMatters.org](http://WaterMatters.org)

**Bartow Service Office**  
170 Century Boulevard  
Bartow, Florida 33830-7700  
(863) 534-1448 or  
1-800-492-7862 (FL only)

**Sarasota Service Office**  
78 Sarasota Center Boulevard  
Sarasota, Florida 34240-9770  
(941) 377-3722 or  
1-800-320-3503 (FL only)

**Tampa Service Office**  
7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 or  
1-800-836-0797 (FL only)

April 22, 2022

Polk County Waste & Recycling  
Attn: Ana Wood  
10 Environmental Loop South  
Winter Haven, FL 33880

Subject: **Notice of Agency Action - Approval  
ERP Minor Modification**

Project Name: Wheelabrator Transfer of ERP Permit  
App ID/Permit No: 844126 / 43010070.004  
County: Polk  
Letter Received: March 30, 2022  
Expiration Date: April 22, 2027  
Sec/Twp/Rge: S19/T28S/R25E

Dear Permittee(s):

The Southwest Florida Water Management District (District) is in receipt of your application for the Environmental Resource Permit modification. Based upon a review of the information you submitted, the application is approved.

Your request to modify Permit Nos. 40010070.000 and 40010070.001 authorizes the following:

1. Transfer of ownership to Polk County Waste and Recycling Division.
2. The change of operation and maintenance responsibility to Polk County Waste and Recycling Division.
3. All other terms and conditions of Construction Permit No. 40010070.000, issued August 20, 1992, and entitled, Ridge Generating Station and Permit No. 40010070.001, issued March 10, 1994, and entitled, Ridge Generating Station, apply.

Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action on the permit application described in this letter.

If approved construction plans are part of the permit, construction must be in accordance with these plans. These drawings are available for viewing or downloading through the District's Application and Permit Search Tools located at [www.WaterMatters.org/permits](http://www.WaterMatters.org/permits).

The District's action in this matter only becomes closed to future legal challenges from members of the public if such persons have been properly notified of the District's action and no person objects to the District's action within the prescribed period of time following the notification. The District does not publish notices of agency action. If you wish to limit the time within which a person who does not receive actual written notice from the District may request an administrative hearing regarding this action, you are strongly encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Publishing notice of agency action will close the window for filing a petition for hearing. Legal requirements and instructions for publishing notices of agency action, as well as a noticing form that can be used, are available from the District's website at [www.WaterMatters.org/permits/noticing](http://www.WaterMatters.org/permits/noticing). If you publish notice of agency action, a copy of the affidavit of publication provided by the newspaper should be sent to the District's Tampa Service Office for retention in this permit's File of Record.

If you have any questions or concerns regarding your permit or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

David Kramer, P.E.  
Bureau Chief  
Environmental Resource Permit Bureau  
Regulation Division

Enclosures: Notice of Rights  
cc: Pelz Environmental Services Inc

## Notice of Rights

### **ADMINISTRATIVE HEARING**

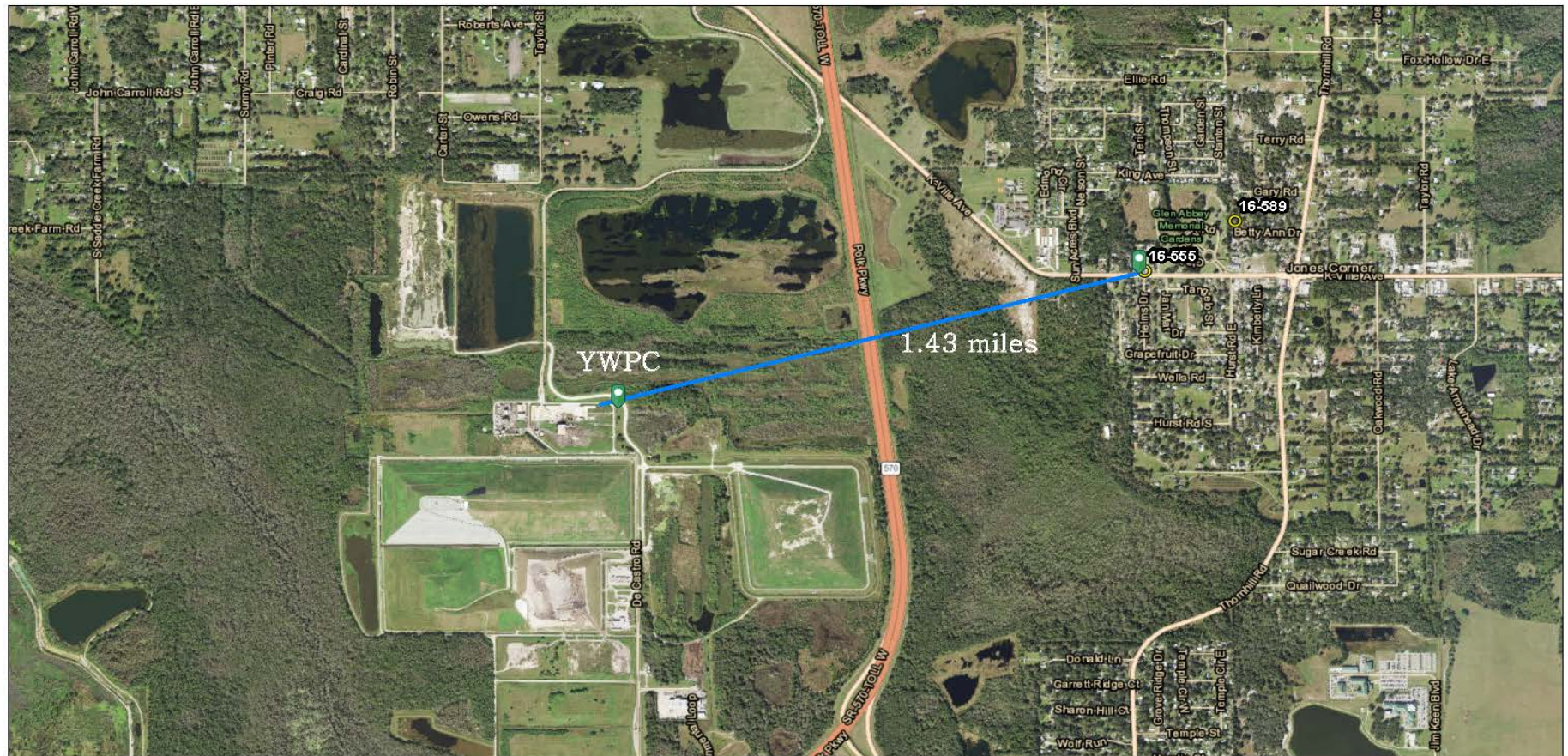
1. You or any person whose substantial interests are or may be affected by the District's intended or proposed action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.
2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of intended or proposed agency action on a consolidated application for an environmental resource permit and use of state-owned submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.
3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.
4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.
5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District intended or proposed action is not available prior to the filing of a petition for hearing.
6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28-106, F.A.C. A request or petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's intended action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C. can be viewed at [www.flrules.org](http://www.flrules.org) or at the District's website at [www.WaterMatters.org/permits/rules](http://www.WaterMatters.org/permits/rules).
7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Tampa Service Office during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 7601 Highway 301 North, Tampa, FL 33637-6759. Faxed filings must be transmitted to the District Agency Clerk at (813) 367-9776. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at [www.WaterMatters.org/about](http://www.WaterMatters.org/about).

## **JUDICIAL REVIEW**


1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by District action may seek judicial review of the District's action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law.
2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency Clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9.110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.

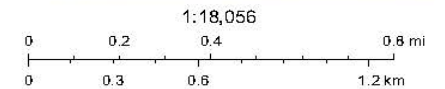
## Figures

## Reported Subsidence Incidents



March 14, 2022

 Subsidence Incident Reports



Esri, HERE, GeoTechnologies, Inc., State of Florida, Maxar, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, FDEP,FGS

Map created by Map Direct, powered by ESRI.  
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Pelz Environmental Services Inc.  
PO Box 961  
Brandon, FL 33509

### Figure 1 – Reported Subsidence Locations

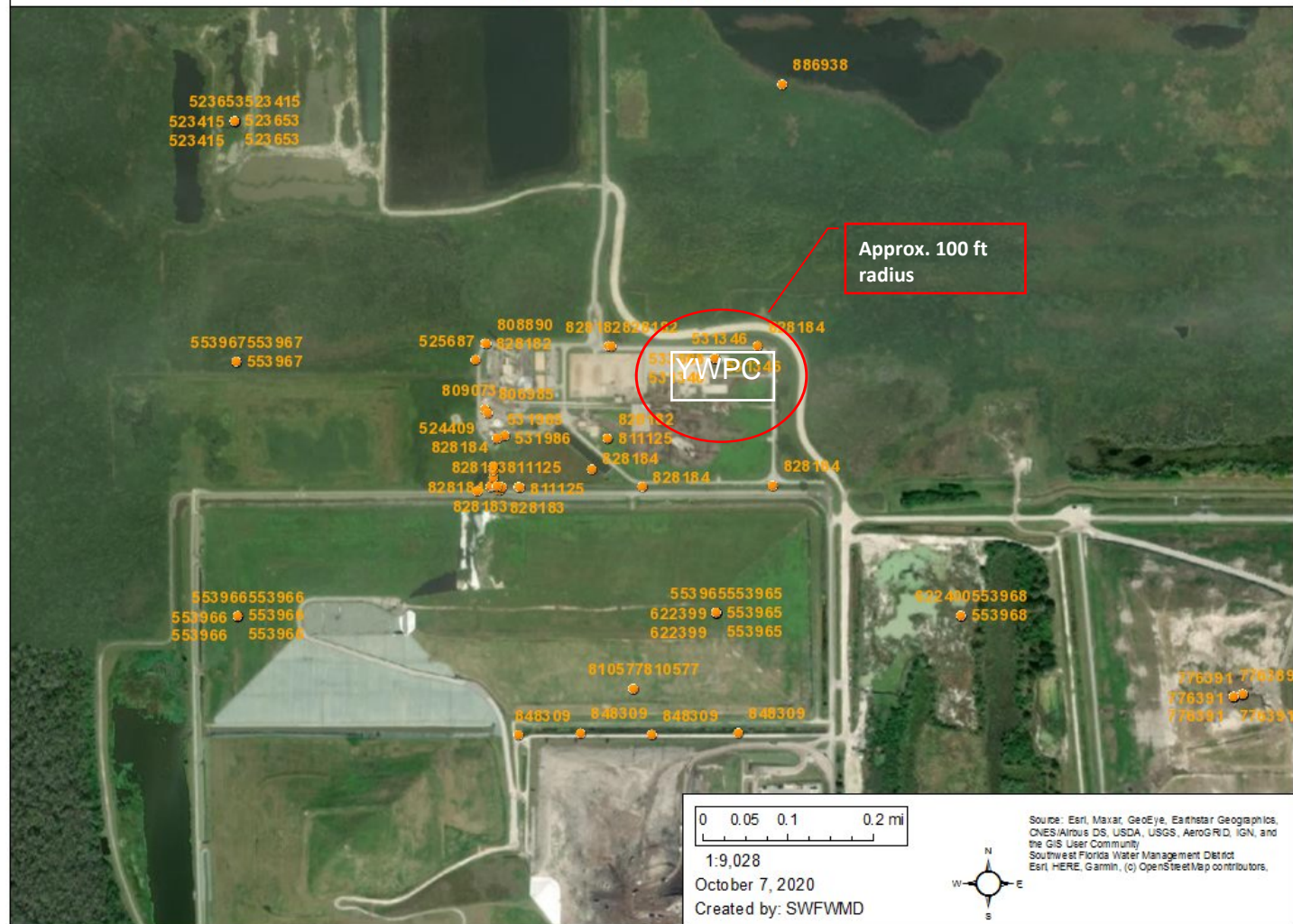
Date: 03/14/22

Scale: as shown

Revision: 0

High Resolution 60cm Imagery

## Well Construction Permits



Pelz Environmental Services Inc.  
PO Box 961  
Brandon, FL 33509

### Figure 2a – Well Locations (WCP)

Date: 03/14/22

Scale: as shown

Revision: 0

High Resolution 60cm Imagery

## Water Use Permits



Pelz Environmental Services Inc.  
PO Box 961  
Brandon, FL 33509

Figure 2b –Well Locations (Water Use Permits)

Date: 03/14/22

Scale: as shown

Revision: 0

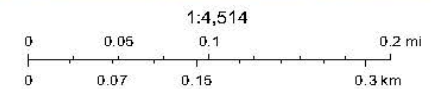
## Wetlands



March 14, 2022

National Wetlands Inventory (areas)

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond



FDEP, DEAR, Esri, HERE, GeoTechnologies, Inc., State of Florida, Maxar, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, FDEP

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Brandon, FL 33509

### Figure 3 – Wetlands

Date: 03/14/22

Scale: as shown

Revision: 0

# Appendix A

## Revised Landfill Operation Plan