



# FLORIDA DEPARTMENT OF Environmental Protection

Southwest District Office  
13051 North Telecom Parkway #101  
Temple Terrace, Florida 33637-0926

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Noah Valenstein**  
Secretary

July 23, 2020

## NOTICE OF PERMIT MODIFICATION

By-Email

[john.phillip.arnold@gmail.com](mailto:john.phillip.arnold@gmail.com)

In the Matter of an  
Application for Permit by:  
Angelo's Aggregate Materials, Ltd.  
855 28th Street South  
St. Petersburg, Florida 33712

Pasco County  
WACS # 87895  
Enterprise Class III Landfill

Attention: John Arnold, Dir. of Engineering & Facilities      DEP File No: 177982-029-SO/IM

Pursuant to Sections 403.061(14) and 403.707, Florida Statutes, the Department hereby issues modification number 177982-029-SO/IM. The following conditions of permit number 177982-028-SO/T3 are modified as follows:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Cover page	existing	amended	Updates permit modification information.
1.C.	existing	amended	Updates facility description to include Cell 17
2.C.2., 2.C.5.c., 2.C.6., 2.E.1.	existing	amended	Revises references.
2.C.12.	existing	amended	Updates discussion of leachate management system.
2.E.1.b.	existing	amended	Revises table to include newly installed gas probes and future gas probe.
APP-2, Para. 3.	new		Refers to the information submitted in support of the Application for Intermediate Modification to Permit #177982-029-SO/IM.
APP-3, Para. 3.	existing	amended	Revises dates and references.
APP-3, Site Map	existing	amended	Revises figure.

Attached is Permit Number 177982-028-SO/T3 as modified by this Order. The attached permit replaces all previous permits and permit modifications for this facility.

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

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

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by other persons must be filed within fourteen days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

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

- (a.) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b.) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c.) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d.) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e.) A statement of the ultimate facts alleged, including a statement of the specific facts which the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f.) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g.) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

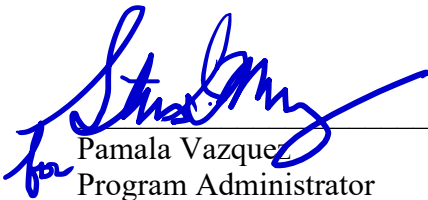
PERMITTEE: Angelo's Aggregate Materials. Ltd.  
FACILITY NAME: Enterprise Class III Landfill

PERMIT #: 177982-029-SO/IM  
WACS Facility ID: 87895

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



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Pamala Vazquez  
Program Administrator  
Permitting and Waste Cleanup Program  
Southwest District Office

PERMITTEE: Angelo's Aggregate Materials. Ltd.  
FACILITY NAME: Enterprise Class III Landfill

PERMIT #: 177982-029-SO/IM  
WACS Facility ID: 87895

### FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to Section 120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

July 23, 2020

Date

### CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on July 23, 2020 to the listed persons.



Clerk

Enclosure: Permit No. 177982-029-SO/IM

Copies furnished to:

John Locklear, Locklear & Associates, [john@locklearconsulting.com](mailto:john@locklearconsulting.com)

Lisa Baker, Locklear & Associates, [lisa@locklearconsulting.com](mailto:lisa@locklearconsulting.com)

Steve Morgan, DEP SWD Permitting, [steve.morgan@floridadep.gov](mailto:steve.morgan@floridadep.gov)

Melissa Madden, SWD DEP, [melissa.madden@floridadep.gov](mailto:melissa.madden@floridadep.gov)

Justin Chamberlain, DEP SWD Permitting, [justin.chamberlain@floridadep.gov](mailto:justin.chamberlain@floridadep.gov)

[SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov)



# FLORIDA DEPARTMENT OF Environmental Protection

**Ron DeSantis**  
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Secretary

Southwest District Office  
13051 North Telecom Parkway #101  
Temple Terrace, Florida 33637-0926

Permit Issued To:

Angelo's Aggregate Materials, LTD  
855 28<sup>th</sup> Street South  
St. Petersburg, Florida 33712  
(813) 477-1719

WACS Facility ID No.: 87895  
Facility Name: Enterprise Class III Landfill  
41111 Enterprise Road  
Dade City, Florida 33525

Contact Person:  
John Arnold, P.E., Engineer  
855 28<sup>th</sup> Street South  
St. Petersburg, Florida 33712  
[john.phillip.arnold@gmail.com](mailto:john.phillip.arnold@gmail.com)  
(813) 477-1719

**Solid Waste Operation Permit – Class III Landfill**  
Permit No.: 177982-028-SO/T3  
**Includes Permit Modification No.: 177982-029-SO/IM**  
Replaces Permit No.: 177982-020-SO/T3

Permit Issued: January 29, 2019  
**Permit Modification No. 177982-029-SO/MM Issued: July 23, 2020**  
Permit Renewal Application Due Date: November 29, 2023  
Permit Expires: January 29, 2024

**Permitting Authority**  
Florida Department of Environmental Protection  
Southwest District Office  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, Florida 33637-0926  
Phone: (813) 470-5700  
Fax: (813) 470-5996

## SECTION 1 - SUMMARY INFORMATION

### A. Authorization

The permittee is hereby authorized to operate the facility described below in accordance with the specific and general conditions of this permit and any documents attached to this permit or specifically referenced in this permit and made a part of this permit.

This solid waste operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), Florida Administrative Code (F.A.C.) Chapters 62-4 and 62-701.

This permit does not relieve the permittee from complying with any other appropriate local zoning or land use ordinances or with any other laws, rules or ordinances. Receipt of any permits from the Department does not relieve the applicant from obtaining other federal, state, and local permits and/or modifications required by law, including those from other Sections within the Department or of the Water Management District.

### B. Facility Location

The facility location is latitude 28° 19' 53" Latitude and Longitude 82° 08' 06" and the physical address is 41111 Enterprise Road, Dade City, Pasco County, Florida.

### C. Facility Description

This facility is classified as a **Class III Landfill and related facilities**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520 and 62-701, Florida Administrative Code. This permit authorizes operation of Cells 1-7 and 15-17 of the Enterprise Class III Landfill. The primary design features of the landfill are described in the "General Information" table provided in APPENDIX 4 (APP-4).

**Amended 177982-029**

### D. Appendices Made Part of This Permit

APPENDIX 1 - General Conditions

APPENDIX 2 – Approved Application Documents

APPENDIX 3 – Water Quality Monitoring Plan

APPENDIX 4 – General Information

### E. Attachments for Informational Purposes Only

ATTACHMENT 1 - Time Sensitive Action Chart

If any of the time deadlines in the Time Sensitive Action Chart are inconsistent with the time deadlines in the permit conditions, the time deadline in the permit condition shall be followed.

ATTACHMENT 2 - Facility Permit History

## SECTION 2 - SPECIFIC CONDITIONS

### A. Administrative Requirements

1. Documents Part of This Permit. The permit application **as revised in final form replaced or amended** in response to the Department's Request(s) for Additional Information are contained in the Department's files and are made a part of this permit. Those documents that make up the complete permit application are listed in APPENDIX 2 (APP-2).
2. Permit Modification. Any change to construction, operation, monitoring, or closure requirements of this permit may require a modification to this permit, in accordance with the provisions of Rule 62-701.320(4), F.A.C.
3. Permit Renewal. In order to ensure uninterrupted operation of this facility, a timely and sufficient permit renewal application must be submitted to the Department in accordance with Rule 62-701.320(10), F.A.C. A permit application submitted at least 61 days prior to the expiration of this permit is considered timely and sufficient.
4. Transfer of Permit or Name Change. In accordance with Rule 62-701.320(11), F.A.C., the Department must be notified by submitting Form 62-701.900(8) within 30 days: (a) of any sale or conveyance of the facility; (b) if a new or different person takes ownership or control of the facility; or (c) if the facility name or permittee's legal name is changed.

### B. Construction Requirements

1. Construction authorized. This permit does not authorize any construction activities.

### C. Operation Requirements

1. General Operating Requirements. The Permittee shall operate the landfill in accordance with the approved permit application documents as listed in APPENDIX 2; such as the, Operation, Monitoring, and Closure Plans, Permit Drawings, and associated documents. The Department shall be notified before any changes, other than minor deviations, to the approved Operation Plan are implemented in order to determine whether a permit modification is required.
2. Operation Plan. A copy of the approved Operation Plan ["Op. Plan" ref. APP-2, Para.2.c.], including the operating record as defined in Rule 62-701.500(3), F.A.C., shall be kept at the facility office and shall be accessible to landfill operators.

**Amended 177982-029**

## SECTION 2 - SPECIFIC CONDITIONS

### C. Operation Requirements (cont.)

3. Authorized Waste Types. The facility is authorized to manage only the following waste types:
  - a. Waste types defined in Rule 62-701.200, F.A.C.:
    - 1) Class III waste [ref. [Op. Plan, Sec. 5.4](#)]
    - 2) Processed Tires [ref. [Op. Plan, Sec. 5.4](#)]
    - 3) Asbestos Containing Materials [ref. [Op. Plan, Sec. 5.6](#)]
    - 4) Yard Trash & Clean Wood [ref. [Op. Plan, Sec. 5.8](#)]
    - 5) Waste Tires [In accordance with Waste Tire Processing Facility Permit #303741-003-WT/02 or its successors]
  - b. Other Wastes Specifically Authorized:
    - 1) Incidental Recyclable Materials [ref. [Op. Plan, Sec. 5.7](#)]
4. Unauthorized Waste Types. The facility is not authorized to accept, process, or dispose any waste types not listed in C.3. above. Any unauthorized waste inadvertently received by the facility shall be managed in accordance with the approved Operation Plan [[Op. Plan, Sec. 5.5](#)]. Weekly random load checking of incoming waste shall be conducted in accordance with Rule 62-701.500(6)(a), F.A.C. [[ref. Op. Plan, Sec. 5.5](#)]
5. Waste Management and Handling
  - a. Solid waste shall be formed into cells to construct horizontal lifts. The working face of the cell, and side grades above land surface, shall be at a slope no greater than three feet horizontal to one-foot vertical rise or as authorized by this permit in accordance with the approved operation plan [[Op. Plan, Sec. 8.1](#)].
  - b. No solid waste shall be disposed of outside of the permitted footprint of the solid waste disposal units.
  - c. The sequence of waste filling shall be as specified in the approved operation plan [[Op. Plan, Sec. 8.1](#)], and as shown on Sheets C1.00 through C2.10 of the Engineering Plan Set [APP-2, Para. 2.b.].

#### **Amended 177982-029**

6. Landfill Elevation. The final (maximum) elevation of the Class III Landfill shall not exceed +220 feet NGVD as shown on Sheets C2.00 and C2.10 of the Permit Drawings [ref. APP-2, Para. 2.b.].

#### **Amended 177982-029**

7. Initial Waste Placement. The first layer of waste placed above the liner and leachate collection system shall be a minimum of four feet in compacted thickness and consist of selected wastes containing no large rigid objects that may damage the liner or leachate collection system.
8. Cover Requirements:
  - a. Initial Cover: Initial cover consisting of six inches of a compacted soil, shall be applied at the end of each working week. The facility may also use a 50/50 soil/mulch mix as initial cover in accordance with Policy Memo #SWM-05-4, dated April 25, 2001. The use of alternate initial covers other than those listed above, and/or those listed in Chapter 62-701, F.A.C., shall require approval by the Department prior to implementation [[ref. Op. Plan, Sec. 9.0](#)].



## SECTION 2 - SPECIFIC CONDITIONS

### C. Operation Requirements (cont.)

- b. Intermediate Cover: Intermediate cover shall be applied and maintained in accordance with Rule 62-701.500(7)(g), F.A.C. Intermediate will be applied to areas not expected to receive wastes within 180 days or within 7 days of cell completion. 12 inches of intermediate cover soil will be placed over areas with 6 inches of initial cover soil. Soil materials, which have been previously used for intermediate cover, may be removed before placing additional waste. [ref. [Op. Plan, Sec. 8.1](#)].
9. Erosion Control: Erosion control measures shall be employed to correct any erosion which exposes waste or causes malfunction of the storm water management system. Such measures shall be implemented within three days of occurrence. If the erosion cannot be corrected within seven days of occurrence, the landfill operator shall notify the Department and propose a correction schedule [Op. Plan, Sec. 8.2].
10. Contingency Plan and Notification of Emergencies. The Permittee shall notify the Department in accordance with the approved Contingency Plan. Notification shall be made to the DEP's Southwest District Office Compliance Assistance Program at (813) 470-5700 or [SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov).
11. Housekeeping. The facility shall be operated to control dust (and other fugitive particulate), vectors, litter and objectionable odors. If objectionable odors are confirmed beyond the landfill property boundary, the owner or operator shall comply with the gas management requirement in facility Operation Plan [Op. Plan, Sec. 10.0 through 10.1.2].
12. Leachate Management.
- a. The permittee shall operate the leachate management system (including the Cell 16/Cell 17 toe drain system, the leachate manhole, etc.), and maintain the system as designed, so that leachate is not discharged from the system except as provided for in the facility's Operations Plan and Sheets C1.00 & C2.00 of the permit drawings [ref. [Op. Plan, Sec. 10.2](#)].
- b. Routine inspections and maintenance of the leachate management system shall be conducted at least on a weekly basis [ref. [Op. Plan, Sec. 19.2](#)].
- c. The Cell 16/17 toe drain system shall be water pressure cleaned or video inspected at least at permit renewal. A summary which includes the method of cleaning, locations of all obstructions shown on a plan sheet, and a plan for corrective actions (if necessary) of the results shall be submitted with the permit renewal application.
- d. Leachate collected in the leachate manhole is transferred via a dedicated pump with float system to Pond 3 for disposal. In the event that the facility proposes to permanently change the permitted method and procedures for leachate disposal, the permittee shall submit a permit modification in accordance with Rule 62-701.320(4), F.A.C. [ref. Spec. Cond. 2.a.2, above].
- 1) The permittee is temporarily permitted to haul leachate to a permitted wastewater treatment facility for disposal. During this temporary interval where leachate cannot be pumped to Pond 3, the leachate will be pumped and collected in a temporary on-site 10,000-gallon storage tank. The level within the storage tank will be checked daily. When the level in the storage tank reaches 6,000 gallons, a tanker truck will be brought to the site to pump the leachate from the storage tank and haul it off-site to a permitted wastewater treatment facility [ref. [Op. Plan, Sec. 10.2](#)]. The permittee shall notify the Department when leachate disposal in Pond 3 resumes [ref. Spec. Cond. 2.C.10, above].

## SECTION 2 - SPECIFIC CONDITIONS

### C. Operation Requirements (cont.)

13. Spotters and Operators. This facility shall have the minimum number of spotters present when waste is accepted as specified in the operation plan, to be located as specified in the operation plan [Op. Plan, Sec. 5.1 & 15.0]. A trained operator shall be on duty at the facility at all times the facility is operating [Op. Plan, Sec. 15.1]. Approved training courses can be found at the following website: <https://treeo.ufl.edu/solid--hazardous-waste>
14. Record Keeping Requirements.
  - a. Waste Quantity Records. Waste records shall be compiled monthly, and copies shall be provided to the Department no less than annually by **February 1<sup>st</sup>**. This information shall be reported to the Department through the DEP Business Portal located at: <http://www.fldepportal.com/go>.
  - b. Estimate of Remaining Life. The permittee shall submit the annual estimate of the remaining life and capacity by **March 1<sup>st</sup>**. The report is required by Rule 62-701.500(13) (c), F.A.C. and must be submitted to the District Office at [SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov) and to:  
Florida Department of Environmental Protection  
Solid Waste Section, MS 4565  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400
15. Hazardous Waste. If any regulated hazardous wastes are discovered to be deposited at the facility, the facility operator shall promptly notify the Department, the person responsible for shipping the wastes to the facility, and the generator of the wastes, if known. The area where the wastes are deposited shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the facility operator shall assure the cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility. In the event that hazardous wastes are discovered they shall be managed in accordance with the procedures provided in facility Operation Plan [Op. Plan, Sec. 5.3].
16. Stormwater. Leachate shall not be discharged into the stormwater management system. Stormwater or other surface water which comes into contact with the landfilled solid waste or mixes with leachate shall be considered leachate and is subject to the requirements of Rule 62-701.500(8), F.A.C.

### D. Water Quality Monitoring Requirements

1. Water Quality Monitoring Plan. The Water Quality Monitoring Plan for this permit is included in APPENDIX 3 (APP-3).

## SECTION 2 - SPECIFIC CONDITIONS

### E. Gas Management System Requirements

1. Construction Requirements. The gas management system constructed at the [Enterprise Class III Landfill](#) is described in Section 3.10 of the [Engineering Report](#) [ref. APP-2, Para. 2.a.]. The Department shall be notified before any changes, other than minor deviations, to the approved Gas Monitoring Plan are implemented in order to determine whether a permit modification is required.
  - a. One ambient monitoring point is specified for the Enterprise Class III Landfill at the following location:

Ambient Monitoring Point	Location Description
Scale House	Landfill Entrance

Existing and proposed soil monitoring probes are specified for the [Enterprise Class III Landfill](#) at the following locations as depicted on the Site Plan [[Sheet C0.03](#)], prepared by Locklear & Associates, received [July 11, 2019](#):

Probe Number	Location Description	Scheduling Notes
GP-4	<a href="#">Beyond north boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-4R	<a href="#">Along north boundary (perimeter)</a>	<a href="#">Future gas probe</a>
GP-5	<a href="#">Along north boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-6R	<a href="#">Along north boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-7R	<a href="#">Near northeast corner (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-8R	<a href="#">Near northeast corner (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-9R	<a href="#">Along east boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-10R	<a href="#">Along east boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-11R	<a href="#">Near southeast corner (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-12R	<a href="#">Near southeast corner (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-13R	<a href="#">Along south boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-14R	<a href="#">Along south boundary (perimeter)</a>	<a href="#">Existing/currently monitored</a>
GP-15	<a href="#">Near southwest corner (perimeter)</a>	<a href="#">Existing/currently monitored</a>

Scheduling Notes:

[Gas probe GP-4 to be abandoned within 60 days of permit issuance. Replacement gas probe GP-4R will be constructed in accordance with Sec. 3.10.1.2 of the Engineering Report \[ref. APP-2, Para. 2.a.\]. The permittee shall submit documentation of probe construction within 30 days of installation.](#)

### **Amended [177982-029](#)**

2. Certification of Construction Completion. After construction is completed the engineer of record shall certify to the Department in accordance with Rule 62-701.320(9)(b), F.A.C., that the permitted construction is complete and was performed in substantial conformance with the approved construction plans except where minor deviations were necessary. All deviations shall be described, and the reasons therefore enumerated.
3. Operational Requirements. Gas controls shall be operated and maintained so that they function as designed.

## SECTION 2 - SPECIFIC CONDITIONS

### E. Gas Management System Requirements

4. Monitoring Requirements. Monitoring for methane gas at the above-listed ambient monitoring point and soil monitoring probes shall be performed quarterly to determine the effectiveness of the gas migration controls. The gas monitoring results shall be reported as a percent of the lower explosive limit (LEL), calibrated to methane. The report shall be submitted to the Department under separate cover no later than 15 days after the end of the period in which the monitoring occurred.
5. Gas Remediation Plan. The facility landfill gas management system shall be operated to prevent the concentration of combustible gases from exceeding 25% of the lower explosive limit in structures, excluding gas control or recovery components, and from exceeding the lower explosive limit at or beyond the property boundary (as measured in the above-listed perimeter soil monitoring probe locations). If either of these limits is exceeded then a gas remediation plan shall be designed and implemented in accordance with Rule 62-701.530(3)(a), F.A.C., including:
  - a. Immediately take all necessary steps to ensure protection of human health and notify the Department,
  - b. Within seven (7) days of detection, submit to the Department for approval a gas remediation plan for the gas releases. The plan shall describe the nature and extent of the problem and the proposed remedy. The remedy may include some or all of the gas management system design contained in Rule 62-701.530(1)(a), F.A.C.,
  - c. The remedy shall be completed within 60 days of detection unless otherwise approved by the Department.
6. Odor Remediation Plan. The facility shall be operated to control objectionable odors in accordance with the Rule 62-701.530(3)(b), F.A.C. and the facility's Operation Plan [[ref. Op. Plan, Sec. 10.1](#)]. If objectionable odors are confirmed beyond the property boundary then upon notification by the Department the permittee shall develop and implement an odor remediation plan in accordance with the requirements of Rule 62-701.530(3)(b), F.A.C.

### F. Financial Assurance and Cost Estimates

1. Financial Assurance Mechanism. The permittee may not receive waste for disposal or storage in any disposal unit for which financial assurance has not been approved. Proof that the financial mechanisms are established and funded in accordance with Rule 62-701.630, F.A.C. shall be submitted to the Department at least sixty (60) days prior to the planned acceptance of solid waste in any disposal unit. When established, the permittee shall maintain, in good standing, the financial assurance mechanisms. Supporting documentation and evidence of increases associated with cost estimate increases shall be submitted within the time frames specified in Rule 62-701.630, F.A.C.

All submittals in response to this specific condition shall be sent to:

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

[Financial.Assurance.Working.Group@dep.state.fl.us](mailto:Financial.Assurance.Working.Group@dep.state.fl.us)

## SECTION 2 - SPECIFIC CONDITIONS

### F. Financial Assurance and Cost Estimates (cont.)

2. Cost Estimates.
  - a. The permittee shall submit closure cost estimates, including annual adjustments for inflation, in accordance with the requirements of Rule 62-701.630(3) and (4), F.A.C., and 40 CFR Part 264.142(a) and .144(a) using Form 62-701.900(28).
  - b. An owner or operator using an escrow account shall submit the annual inflation adjusted estimate(s) between July 1 and September 1. An owner or operator using a letter of credit, guarantee bond, performance bond, financial test, corporate guarantee, trust fund or insurance shall submit the inflation adjusted cost estimate(s) between January 1 and March 1.
  - c. A cost estimate covering disposal units not previously covered by financial assurance mechanisms must be submitted prior to submitting financial assurance for such disposal units.
  - d. All submittals in response to this specific condition shall be sent to the District Office at [SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov) and a copy to the address identified in Specific Condition F.1.

## SECTION 2 - SPECIFIC CONDITIONS

### G. Closure Requirements

1. Closure Permit Requirements. Prior to initiating closure of a solid waste disposal unit, or part of a solid waste disposal unit, the Permittee must receive authorization from the Department in one of the following manners.
  - a. If the landfill is operating under a Department permit that includes a Closure Plan with sufficient detail to comply with the closing requirements of Rule 62-701.600, F.A.C.
    - 1) The Permittee shall notify the Department at least 30 days prior to initiating the closure activities under the approved Closure Plan and receive written approval from the Department prior to beginning the work or,
    - 2) If the landfill is operating under a Department permit that requires substantive changes to the closing activities in the permitted Closure Plan, then the Permittee shall request a modification of the permit to include sufficient design detail to ensure compliance with the closing requirements of Rule 62-701.600, F.A.C., and shall initiate closing only after the permit has been modified.
  - b. If the landfill is operating under a Department permit that does not include a Closure Plan with sufficient detail to comply with the closing requirements of Rule 62-701.600, F.A.C., the Permittee shall submit an application to the Department for a Closure Permit on Form 62-701.900(1) and shall initiate closure activities only after the permit is issued.
  - c. The Closure Permit application or request for modification of the permitted Closure Plan shall include an updated closure plan which is made up of the following:
    - 1) A closure design plan;
    - 2) A closure operation plan;
    - 3) A plan for long-term care; and,
    - 4) A demonstration that proof of financial assurance for long-term care will be provided.
2. Closure Design. All closure construction shall be done in accordance with an approved closure design plan. The Department shall be notified before any changes, other than minor deviations, to the approved closure design are implemented in order to determine whether a permit modification is required.
3. Closure Operation Plan. All closure shall be done in accordance with the approved closure operation plan.
4. Certification of closure construction completion. After closure construction has been completed, the engineer of record shall certify to the Department on Form 62-701.900(2) that the closure is complete and that it was done in accordance with the plans submitted to the Department except where minor deviation was necessary. All deviations shall be described in detail and the reasons therefore enumerated.
5. List of Closed Units Not in Long-Term Care. No cells at the Enterprise Class III landfill have been closed as of the issuance date of this permit.

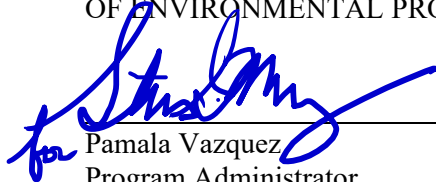
## SECTION 2 - SPECIFIC CONDITIONS

### H. Long-Term Care Requirements

1. No portion of the Enterprise Class III Landfill is closed and in the long-term care period for the facility.

Executed in Orange County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Pamala Vazquez  
Program Administrator  
Permitting & Waste Cleanup Program  
Southwest District

FILED, on this date, pursuant to Section 120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

July 23, 2020  
Date

### APPENDIX 1 – General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - (a) Have access to and copy any records that must be kept under conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:



**APPENDIX 1 – General Conditions (cont.)**

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

- 9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- 10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- 11. This permit or a copy thereof shall be kept at the work site of the permitted activity.
- 12. The permittee shall comply with the following:
  - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
  - 1. the date, exact place, and time of sampling or measurements;
  - 2. the person responsible for performing the sampling or measurements;
  - 3. the dates analyses were performed;
  - 4. the person responsible for performing the analyses;
  - 5. the analytical techniques or methods used;
  - 6. the results of such analyses.
- 13. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

## APPENDIX 2 – Approved Application Documents

1. Angelo's Aggregate Materials, Ltd. Enterprise Road Class III Recycling & Disposal Facility..., dated May 7, 2018 (received May 8, 2018), prepared by Locklear & Associates, Inc., as revised, replaced or amended as received November 20, 2018, November 26, 2018 (received January 23, 2019) and December 21, 2018 (received January 9, 2019). This information includes, but is not limited to:
  - a. Engineering Report [Section 3], dated December 2018 (received January 9, 2019)
  - b. Engineering Plan Set titled Enterprise Road Class III Landfill Recycling & Disposal Facility Landfill Permit Renewal (13 sheets) [Section 4], dated December 20, 2018, signed and sealed December 21, 2018, (received January 9, 2019),
  - c. Operation Plan [Section 3, Appendix 3-A], dated December 20, 2018, signed and sealed December 21, 2018, (received January 9, 2019),
  - d. Contingency Plan [Section 3, Appendix 3-B], dated December 2018, received January 9, 2019
  - e. Figures [Section 3, Appendix 3-C] received January 9, 2019
  - f. Groundwater Monitoring Plan [Section 5], dated December 2018 (received January 9, 2019), signed and sealed December 21, 2018; This plan includes but is not limited to:
    - 1) Site Map (Figure 1), received January 9, 2019
  - g. Cell 16 Monitoring Well Construction Pending Documentation, Monitor Well Survey, dated November 26, 2018, received January 23, 2019
2. Modification Permit Application for the Enterprise Road Class III Recycling & Disposal Facility, dated and received July 11, 2019, prepared by Locklear & Associates, Inc., as revised, replaced or amended October 25, 2019 (received October 30, 2019), February 21, 2020, March 27, 2020, April 17, 2020, April 23, 2020 (received April 24, 2020), May 6, 2020, July 14, 2020 and July 23, 2020. This information includes, but is not limited to:
  - a. Engineering Report [Attachment 2], dated April 24, 2020, [replaces Para. 1.a., above]
  - b. Engineering Plan Set titled Enterprise Road Class III Landfill Recycling & Disposal Facility Operation Plan Modification (14 sheets) [Attachment 3], dated March 2020 (received April 24, 2020) [replaces Para. 1.b., above]
  - c. Operation Plan [Attachment 3], (ref. Op. Plan) dated April 2020, signed and sealed April 24, 2020 (received April 24, 2020) [replaces Para. 1.c., above]
  - d. Contingency Plan [Attachment 2, Appendix 3-B], dated July 2019 (received July 11, 2019) [replaces Para. 1.d., above]
  - e. Groundwater Monitoring Plan [Section 5], dated July 2019 (received July 11, 2019) [replaces Para. 1.f., above], This plan includes but is not limited to:
    - 1) Site Map (Figure 1), dated July 2019 (revised April 24, 2020)
  - f. Closure and Reclamation Plan [Section 7], dated July 2019 (received July 11, 2019)

New 177982-010

### APPENDIX 3 – Water Quality Monitoring Plan

1. Water Quality Monitoring Quality Assurance.

- a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (revised January 2017, effective April 16, 2018) [or as replaced by successor SOPs], as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

NOTE: DEP-SOP-001/01 can be accessed on the Department's web site at:  
<https://floridadep.gov/dear/quality-assurance/content/dep-sops>

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

2. Zone of Discharge.

- a. The zone of discharge for this facility shall extend horizontally 100 feet from the limits of the landfill liner (all active, inactive and closed waste disposal areas), or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.
- b. The permittee shall ensure that the water quality standards for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420(1), F.A.C., and that the ground water minimum criteria referenced in Rule 62-520.400(1), F.A.C., will not be exceeded outside the footprint of the landfill disposal areas.

3. Ground Water Monitor Well Locations. The ground water monitor system constructed at the Enterprise Class III Landfill is described in Section 5 ["Groundwater Monitoring Plan"] [ref. APP-2, Para. 2.e.], and the monitor well locations are shown on Figure 1 [titled "Site Map"], prepared by Locklear & Associates, received July 11, 2019 [attached], as follow:

**Wells Associated with existing disposal areas:**

Well #	Scheduling Notes	WACS Testsite #	Aquifer	Well Designation	Location
BW-1A	A	28983	Surficial	Background	See Figure 1
BW-1B	A	28984	Floridan	Background	
MW-4	A	19572	Surficial	Detection	
MW-4B	A	21965	Floridan	Detection	
MW-5AR	A	30178	Surficial	Compliance	
MW-5BR	A	30179	Floridan	Compliance	
MW-6	A	19575	Surficial	Detection	
MW-6B	A	28982	Floridan	Detection	

### APPENDIX 3 – Water Quality Monitoring Plan (cont.)

#### Wells Associated with existing disposal areas (cont.):

Well #	Scheduling Notes	WACS Testsite #	Aquifer	Well Designation	Location
MW-7A	A	19576	Surficial	Detection	See Figure 1
MW-7BR	A	22592	Floridan	Detection	
MW-8	A	19578	Surficial	Detection	
MW-8B	A	21323	Floridan	Detection	
MW-9	A	19579	Surficial	Detection	
MW-9B	A	21324	Floridan	Detection	
MW-10	A	19580	Surficial	Detection	
MW-10B	A	21325	Floridan	Detection	
MW-18B	A	28986	Floridan	Detection	
MW-19A	A	28987	Surficial	Detection	
MW-20B	A	28990	Floridan	Detection	
MW-21A	A	30530	Surficial	Detection	
MW-22A	A	30532	Surficial	Detection	
MW-22B	A	30533	Floridan	Detection	
MW-23B	A	30535	Floridan	Detection	
MW-24A	A	30607	Surficial	Detection	
MW-24B	A	30608	Floridan	Detection	
Supply Well	A	21326	Floridan	Supply	

MW-1A	A	19567	Surficial	Piezometer	See Figure 1
MW-1B	A	19568	Floridan	Piezometer	
MW-11	A	19581	Surficial	Piezometer	
MW-11B	A	22593	Floridan	Piezometer	
MW-12A	A	19582	Surficial	Piezometer	
MW-12B	A	19583	Floridan	Piezometer	
P-6	A	N/A	Surficial	Piezometer	
P-8	A	N/A	Floridan	Piezometer	
P-10	A	N/A	Floridan	Piezometer	
P-11	A	N/A	Surficial	Piezometer	

#### Scheduling Notes:

A = existing well/piezometer; construction details previously provided; results of the ground water “initial sampling event” previously provided.

All wells and piezometers are to be clearly labeled and easily visible at all times. Bollards or other devices shall be installed to protect the monitor wells located in areas of high traffic flow within the facility. The permittee shall keep all wells and piezometers locked to minimize unauthorized access.

**Amended 177982-029**

### APPENDIX 3 – Water Quality Monitoring Plan (cont.)

4. Ground Water Sampling. The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with the Class G-II ground water standards referenced in Chapter 62-520.420(1), F.A.C., and with the ground water minimum criteria referenced in Chapter 62-520.400(1), F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

- a. Ground water levels shall be measured **semi-annually** (during the periods from [Jan. 1 - June 30, and July 1 – Dec. 31 of each year) at a minimum, including all sampling events described in APP-3, Para. 4.b. and 4.c., below, at all active monitor wells and piezometers, as listed in APP-3, Para. 3., above, to a precision of 0.01 foot. Ground water surface contour maps shall be prepared for each sampling event to include water elevations (using an industry approved datum) calculated for each monitor well and piezometer.
- b. An “initial sampling event” shall be conducted on all new monitor wells prior to waste placement in an associated cell for analysis of the following parameters:

Field Parameters	Laboratory Parameters	
Static Water Level (before purging)	Total Ammonia – N	Iron
Specific Conductivity	Chlorides	Mercury
pH	Nitrate	Sodium
Dissolved Oxygen	Total Dissolved Solids (TDS)	Those parameters listed in 40 CFR Part 258, <b>Appendix II</b>
Turbidity		
Temperature		
Color/sheen (by observation)		

Results of initial sampling shall be submitted **within 60 days of receipt from the analytical laboratory.** Following the completion of the “initial sampling event” at the proposed monitor wells in accordance with the schedule presented in APP-3, Para. 3., above, these new wells shall be included in subsequent routine ground water sampling events.

- c. The background wells and detection wells listed in APP-3, Para. 3., above, shall be sampled **semi-annually** for analysis of the following parameters:

Field Parameters	Laboratory Parameters	
Static Water Level (before purging)	Total Ammonia – N	Iron
Specific Conductivity	Chlorides	Mercury
pH	Nitrate	Sodium
Dissolved Oxygen	Total Dissolved Solids (TDS)	Those parameters listed in 40 CFR Part 258, <b>Appendix I</b>
Turbidity		
Temperature		
Color/sheen (by observation)		

### APPENDIX 3 – Water Quality Monitoring Plan (cont.)

5. Ground Water Monitor Well Construction. The following information is required to be submitted **within 90 days of installation** of all new or replacement monitor wells and piezometers, or as stated below:
  - a. Prior to construction of any new or replacement monitor wells or piezometers not listed in [APP-3, Para. 3., above](#), and not part of the approved Water Quality Monitoring Plan, the permittee shall request and receive Department approval of a minor permit modification in accordance with [Specific Condition 2.A.2.,](#) of this permit.
  - b. Construction details for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office, [Compliance Assurance Program](#) on Department Form #62-701.900(30), Monitoring Well Completion Report [\[attached\]](#).
  - c. **Within one week of well completion and development**, each new monitor well shall be sampled for the parameters listed in [APP-3, Para. 4.b., above](#), to comply with the requirements of Rules 62-701.510(7)(a), and 62-701.510(7)(c), F.A.C.
  - d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)1., F.A.C., showing the location of all monitor wells and piezometers (active and abandoned) horizontally located in degrees, minutes and seconds of latitude and longitude, and the elevation of the top of the well casing to the nearest 0.01 foot, using an industry approved datum. The surveyed drawing shall include the monitor well identification number, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by Florida Licensed Professional Surveyor and Mapper and submitted to the Department's Southwest District Office, [Compliance Assurance Program](#).
6. Well Abandonment. All monitor wells and piezometers not listed in [APP-3, Para. 3., above](#), and not a part of the approved Water Quality Monitoring Plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., and the rules of the Southwest Florida Water Management District. The permittee shall submit a written report to the Department **within 30 days of well/piezometer abandonment** verifying proper abandonment. A written request for exemption to the abandonment of a well/piezometer must be submitted to the Department's Southwest District Office, [Permitting & Waste Cleanup Program](#) for approval.
7. Verification/Evaluation Monitoring. If at any time monitoring parameters are detected at concentrations significantly above background water quality or exceed the Department's ground water quality standards or minimum criteria specified in Chapter 62-520, F.A.C., in any detection well, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department in writing within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring as described in Rules 62-701.510(6)(a) and 62-701.510(6)(b), F.A.C. If monitoring parameters are detected and confirmed at concentrations significantly above background water quality, and exceed the Department's water quality standards or minimum criteria in any compliance well, the Permittee shall notify the Department in writing within 14 days of this finding and shall initiate corrective actions as described in Rule 62-701.510(6)(c), F.A.C.

### APPENDIX 3 – Water Quality Monitoring Plan (cont.)

8. Surface Water Sampling. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). It is not anticipated that the existing stormwater management system will discharge from the property. However, in the event that surface water discharge occurs from the stormwater management system, representative samples of each discharge event shall be collected for analysis of the parameters listed in [APP-3, Para. 8.b., below](#). In the event that any modifications to the stormwater management system associated with future uses of the facility result in periodic surface water discharges from the property, the Department may require the implementation of routine surface water monitoring.
- a. The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional sampling locations and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the surface water criteria established for the individual parameters to demonstrate compliance with Class III surface water (predominantly freshwater) referenced in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.
- b. Surface water sampling shall be conducted per discharge event in accordance with the Department's SOPs to comply with the requirements of Rule 62-701.510(4), F.A.C. The Department's Southwest District office, [Compliance Assurance Program](#) shall be notified of the occurrence of each discharge event within 24 hours of discovery. Surface water samples shall be collected at the point of discharge from the property and shall be analyzed for the following parameters:

Field Parameters
Static Water Level (before purging)
Specific Conductivity
pH
Dissolved Oxygen
Turbidity
Temperature
Color/sheen (by observation)

Laboratory Parameters	
Unionized ammonia	Total Organic Carbon (TOC)
Total Phosphorus (as mg/L P)	Nitrate
Total hardness (as mg/L CaCO <sub>3</sub> )	Chlorophyll A
Biochemical Oxygen Demand (BOD <sub>5</sub> )	Fecal Coliform
Chemical Oxygen Demand (COD)	Iron
Total Dissolved Solids (TDS)	Mercury
Total Suspended Solids (TSS)	Total Nitrogen
Those parameters listed in 40 CFR Part 258, <b>Appendix I</b>	

9. Leachate Sampling. In accordance with the amendments to Chapter 62-701, F.A.C., that are effective on August 12, 2012, the collection of leachate samples for laboratory analyses is not required.



### APPENDIX 3 – Water Quality Monitoring Plan (cont.)

10. Water Quality Reporting Requirements. Required water quality monitoring reports and all ground water and surface water analytical results for sampling events conducted at the Enterprise Class III Landfill shall be submitted electronically (via e-mail, CD, DVD, etc.). Water quality monitoring reports shall be submitted in Adobe pdf format.

- a. The water quality data Electronic Data Deliverable (EDD) shall be provided to the Department in an electronic format consistent with requirements for importing the data into the Department's databases as summarized on the Department's web site at:

<https://floridadep.gov/waste/waste/content/adapt>

Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall include the following:

- 1) Cover letter;
- 2) Summary of exceedances and sampling problems, if any (e.g., variation from SOP field criteria);
- 3) Conclusions and recommendations;
- 4) Ground water contour maps;
- 5) Laboratory report of results, including chain of custody forms;
- 6) Water levels, water elevation table;
- 7) Ground Water Monitoring Certification, using Department Form #62-701.900(31);
- 8) Appropriate sampling information on Form #FD 9000-24 (DEP-SOP-001/01); and,
- 9) Laboratory and Field EDDs and error logs, as applicable.

All water quality reports shall be submitted to:

Florida Department of Environmental Protection  
Southwest District Office, Compliance Assurance Program  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, FL 33637-0926  
[SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov)

and,

All water quality data Electronic Data Deliverable shall be submitted through:

Florida Department of Environmental Protection's  
Business Portal website:  
<http://www.fldepportal.com/go/>

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

- 1) **APPENDIX 3, Para. 4.b.** – results of ground water “initial sampling events” shall be submitted **within 60 days from completion of laboratory analyses**;
- 2) **APPENDIX 3, Para. 4.c.** – results of ground water routine semi-annual sampling events shall be submitted **within 60 days from completion of laboratory analyses and no later than Jan. 15<sup>th</sup>, and July 15<sup>th</sup> of each year for the time periods July 1-Dec. 31, and Jan. 1-June 30, respectively**;
- 3) **APPENDIX 3, Para. 7** – results of ground water verification events shall be submitted **within 60 days from completion of laboratory analyses**; and,
- 4) **APPENDIX 3, Para. 8.b.** – results of surface water “discharge sampling events” shall be submitted **within 60 days from completion of laboratory analyses**.



**APPENDIX 3 – Water Quality Monitoring Plan (cont.)**

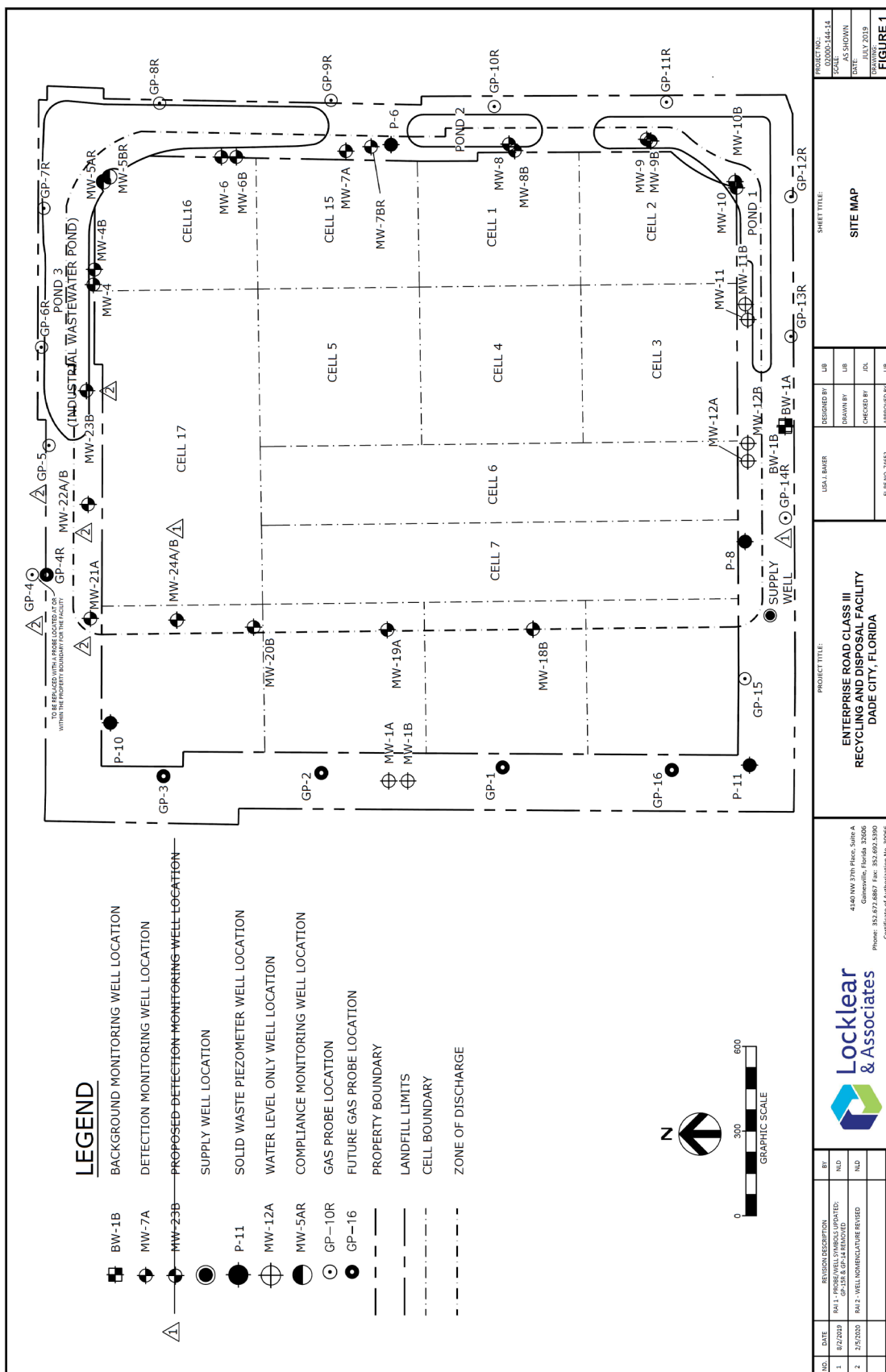
11. Monitoring Plan Evaluation. The permittee shall submit an evaluation of the water quality monitoring data (ground water analyses, ground water flow direction and velocity, and surface water analyses) every two and one-half years as required by Rule 62-701.510(8)(b), F.A.C. The due dates and time periods to be covered by the evaluations are summarized below:

Monitoring Plan Evaluation Due Date	Starting Sampling Event	Ending Sampling Event
January 15, 2021	First half 2018	Second half 2020
Nov. 1, 2023	First half 2021	First half 2023

The evaluations shall include the applicable information as listed in Rule 62-701.510(8)(b), F.A.C. Any ground water contamination that may exist shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(6), F.A.C. The monitoring plan evaluations shall be sent to:

Florida Department of Environmental Protection  
Southwest District Office, Permitting & Waste Cleanup Program  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, FL 33637-0926  
[SWD\\_Waste@FloridaDEP.gov](mailto:SWD_Waste@FloridaDEP.gov)

### APPENDIX 3 – Water Quality Monitoring Plan (cont.)



**APPENDIX 3 – Water Quality Monitoring Plan (cont.)**



**Department of  
Environmental Protection**

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

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

**MONITORING WELL COMPLETION REPORT**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### APPENDIX 3 – Water Quality Monitoring Plan (cont.)

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

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

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

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

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

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

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

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

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

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

#### APPENDIX 4 – General Information

<b><u>General Information:</u></b>	<b><u>Class III Landfill</u></b>
Disposal acres	Approx. 81.4 acres (Cells 1-7 and 15-17) [ref. APP-2, Para. 2.b, Sheet C0.02, APP-2, Para. 2.a., Sec.3.8.3.]
Lowest bottom elevation of cells.	+80 ft. NGVD (Cell 17) [ref. APP-2, Para. 2.b., Sheet C 0.04]
Top elevation at final buildout (including cover)	max. +220 feet NGVD [ref. APP-2, Para. 2.b., Sheet C3.10]
Side slopes max.	3H:1V below elevation +212 ft. NGVD; 2-4% above +212 ft. NGVD [ref. APP-2, Para. 2.b., Sheet C1.10]
Liner system	3-foot-thick clay (bottom only Cells 1-5, and 15; bottom & sides of Cells 6A, 6B, & 7) 3-foot thick clay layer in bottom of Cell 16 and Cell 17 w/clay berms along north side (Cells 16 & 17), east side of Cell 16, and west side of Cell 17 [ref. APP-2, Para. 2.b., Sheet C1.00 and C2.00.]  Max. permeability= 1 x10 <sup>-8</sup> cm/sec
LCS drainage system	Cell 1-7 and 15 – leachate drain along cell bottom to toe drain along north berm in Cell 16 and Cell 17. Cells 16 and 17 – leachate drains to a toe drain along north berm which slopes west to east. Leachate collected in 8-inch perforated HDPE toe drain pipes and conveyed thorough 8-inch solid HDPE pipe via gravity to a 6-foot diameter epoxy-sealed leachate wet well and pumped via dedicated pump system to Pond 3 north and east of Cell 16. [ref. APP-2, Para. 2.b., Sheets C0.04 & C4.00].
Design Life	5 years (Cells 1-7 and 15-17) [ref. APP-2, Para. 2.a., Sec. 3.8.3.]
Closure slopes	3H:1V below elevation +215 ft. NGVD; 2-4% above +215 ft. NGVD [ref. APP-2, Para. 1.b., Sheet C2.10]

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<b>ATTACHMENT 1 – Time Sensitive Action Chart</b>		
<b>Specific Condition</b>	<b>Submittal Due Date</b>	<b>Required Item</b>
Cover page	No later than 61 days prior to expiration date of permit	Submit permit renewal application
E.4.	Quarterly, by January 15 <sup>th</sup> , April 15 <sup>th</sup> , July 15 <sup>th</sup> and October 15 <sup>th</sup> each year	Submit gas monitoring results
F.2	Annually, between January 1 <sup>st</sup> and March 1 <sup>st</sup> each year  Annually	Submit revised cost estimates  Submit proof of funding
APP-3; 4.b.	Within 7 days of new well installation/development	Conduct ground water “initial sampling event.”
APP-3; 4.c.	Semi-annually	Conduct ground water “routine sampling event.”
APP-3; 5.b.	Within 90 days of installation	Submit well construction information.
APP-3; 5.d.	Within 90 days of new or replacement well installation	Submit survey drawing.
APP-3; 6.	Within 30 days of well abandonment	Submit documentation of well abandonment.
APP-3; 7.	Within 14 days of discovery	Submit notification of monitoring parameters significantly above background water quality, or exceeding ground water standards or minimum criteria.
APP-3; 8.b.	Per discharge event from the storm water management system	Conduct surface water sampling at the point of discharge from the property.
APP-3; 10.b.1., 10.b.3., 10.b.4.,	Within 60 days from completion of laboratory analyses	Submit results of: <ul style="list-style-type: none"> <li>- ground water initial sampling;</li> <li>- ground water verification sampling;</li> <li>- surface water discharge sampling; and,</li> </ul>
APP-3; 10.b.2.	Semi-annually by January 15 <sup>th</sup> and July 15 <sup>th</sup> of each year	Submit results of: <ul style="list-style-type: none"> <li>- ground water routine sampling.</li> </ul>
APP-3; 11.	By July 15, 2021 and by November 1, 2023	Submit monitoring plan evaluation report.