



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, FL 33637-0926

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

Ryan E. Matthews  
Interim Secretary

April 20, 2017

## 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:

Pasco County  
WACS # 87895  
Enterprise Class III Landfill

John Arnold, P.E., Engineer  
Angelo's Aggregate Materials, LTD  
855 28<sup>th</sup> Street South  
St. Petersburg, Florida 33712

Attention: John Arnold, P.E., Engineer

DEP File No: 177982-024-SO/T3

Pursuant to Sections 403.061(14) and 403.707, Florida Statutes, the Department hereby issues modification number 177982-024-SO/T3. The following conditions of combined permit number 177982-020-SO/T3 are modified as follows:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Cover Page	Existing	Amended	References to Permit Modification No. 177982-024-SO/T3 added.
Cond. #1.C.	Existing	Amended	Revised to add Cell 16 to facility description.
Cond. #2.C.6.	Existing	Amended	Revised reference to permit drawings..
Cond. #2.C.12.	Existing	Amended	Revised Condition related to leachate management system in Cell 16.
Cond. #2.C.13.	Existing	Amended	Revised link to TREEO training website.
Cond. #2.E.1.	Existing	Amended	Revised reference to permit modification engineering report and revisions to gas monitoring network.

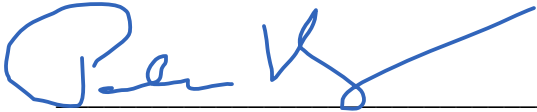
<b>SPECIFIC CONDITIONS</b>	<b>FROM</b>	<b>TO</b>	<b>TYPE OF MODIFICATION</b>
Appendix 2, Para #1.b., #1.d., & #1.e	Existing	Amended	References replacement of Engineering Plan Set, Contingency Plan, and Groundwater Monitoring Plan with those submitted with Permit #177982-024-SO/T3.
Appendix 2, Para #2.b. & #2.c	Existing	Amended	References replacement of parts of Engineering Plan Set and Operations Plan with those submitted with Permit #177982-024-SO/T3.
Appendix 2, Para #3.	-	New	References permitting application documents associated with Permit #177982-024-SO/T3.
Appendix 3, Para #3.	Existing	Amended	Revised to reference revision to Site Monitoring Network.
Appendix 3, Para #4.	Existing	Amended	Revised to reference compliance wells as part of the Site Monitoring Network.
Appendix 3, Para #8.c.	Existing	Deleted	Deleted requirement for sampling of temporary stormwater pond.
Appendix 4.	Existing	Amended	Revised to include general information regarding Cell 16 and to updated references to permit conditions and site drawings.

Attached is Permit Number 177982-020-SO/T3 as modified by this Permit Modification. The attached permit replaces all previous permits and permit modifications for this facility.

Any party to this order (permit) has the right to seek judicial review of the permit under Section 120.68, Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, 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 Notice is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



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

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

April 20, 2017  
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 April 20, 2017 to the listed persons.

  
Clerk

Enclosure: Permit

Copies furnished to:

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

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

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

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# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, FL 33637-0926

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

Ryan E. Matthews  
Interim Secretary

## 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 Renewal Permit – Class III Landfill**

Permit No.: 177982-020-SO/T3  
Includes Permit Modification #177982-022-SO/MM & #177982-024-SO/T3  
Replaces Permit No.: 177982-007-SO/T3

Permit Issued: July 9, 2013  
Permit Modification #177982-022-SO/MM Issued: June 24, 2015  
Permit Modification #177982-024-SO/T3 Issued: April 20, 2017

Permit Renewal Application Due Date: May 8, 2018  
Permit Expires: July 9, 2018

## **Permitting Authority**

Florida Department of Environmental Protection  
Southwest District Office  
13051 N. Telecom Parkway, Suite 101  
Temple Terrace, Florida 33637  
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, Florida Administrative Code 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 16 of the Enterprise Class III Landfill. The primary design features of the landfill are described in the "General Information" table provided in [APPENDIX 4](#).

**Amended: Permit #024-SO/T3.**

### 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.
5. Air Construction Permit Requirements  
Deleted: Permit #022-SO/MM.

### B. Construction Requirements

1. Construction authorized. This Permit does not authorize any construction activities.
2. General Construction Requirements. All construction shall be done in accordance with the approved design, drawings, CQA plan, and specifications proved in Construction Permit #177982-019-SC/T3, or its successors. The Department shall be notified before any changes, other than minor deviations, to the approved design are implemented in order to determine whether a permit modification is required.

### 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 \[APP-2\]](#); 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 [\[ref. APP-2, Para.3.b.\]](#) , 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.
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 [\[ref. Op. Plan, §5.4\]](#)
    - 2) Processed Tires [\[ref. Op. Plan, §5.4\]](#)
    - 3) Asbestos Containing Materials [\[ref. Op. Plan, §5.6\]](#)
    - 4) Yard Trash & Clean Wood [\[ref. Op. Plan, §5.8\]](#)
    - 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 [\[ref. Op. Plan, §5.7\]](#)
4. Unauthorized Waste Types. The facility is not authorized to accept, process, or dispose any waste types not listed in C.3. above and those listed in Section 5.4 of the facility Operations Plan. Any unauthorized waste inadvertently received by the facility shall be managed in accordance with the approved Operations Plan [\[Op. Plan, § 5.3\]](#). Weekly random load checking of incoming waste shall be conducted in accordance with Rule 62-701.500(6)(a), F.A.C. [\[ref. Op. Plan, §5.5\]](#).
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 [\[Op. Plan, § 8.1\]](#).
  - 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 Operations Plan and Sequencing Plans [\[APP-2, Para 3.b. & 3.f.\]](#).
6. Landfill Elevation. The final (maximum) elevation of the Class III Landfill, shall not exceed +175 feet NGVD as shown on [Sheets C2.00 & C2.10 of the Permit Drawings \[APP-2, Para. 3.f.\]](#).

**Amended: [Permit #024-SO/T3](#).**

### C. Operation Requirements (cont.)

7. Initial Waste Placement. The first layer of waste placed above the liner system shall consist of wastes containing no large rigid objects that may damage the liner system.
8. Cover Requirements:
  - a. Initial Cover: Initial cover of weekly cover consisting of six inches of a compacted soil shall be applied at the end of each work 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. [ref. [Op. Plan, § 8.1 & 9.0](#)].
  - b. Intermediate Cover: Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Intermediate shall be applied to areas not expected to receive wastes within 180 days. Soil and mulch mixed in a 50/50 ratio may also be applied as intermediate cover [ref. [Op. Plan, § 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 [ref. [Op. Plan, § 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@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us).  
Amended Permit #022-SO/MM.
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 Section 2, Part E and the facility Operations Plan [ref. [Op. Plan, § 10.1](#)].
12. Leachate Management.
  - a. The permittee shall operate the leachate management system (including the Cell 14 temporary stormwater/leachate pond, Cell 16 toe drain system, and Cell 16 leachate wet well, 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 Permit drawings [ref. [Op. Plan, § 10.2; APP 2, Para. 3.f., Sheets C0.04 & C4.00](#)].
  - b. Routine inspections and maintenance of the leachate management system shall be conducted at least on a weekly basis [ref. [Op. Plan, § 19.1](#)].
  - c. The Cell 16 toe drain system shall be 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.

Amended: Permit #024-SO/T3.



### 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 [ref. [Op. Plan, §5.1 & 15.0](#)]. A trained operator shall be on duty at the facility at all times the facility is operating [ref. [Op. Plan, §15.0](#)]. Approved training courses can be found at the following web site:  
<http://www.treeo.ufl.edu/solid-waste/>  
**Amended: [Permit #024-SO/T3](#).**
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 [April 15th](#). This information shall be reported to the Department through the DEP Business Portal located at: <http://www.fldepportal.com/go>. [ref. [Op. Plan, §19.0](#)].  
b. Estimate of Remaining Life. The permittee shall submit the annual estimate of the remaining life and capacity by [April 15th](#). [ref. [Op. Plan, §19.0](#)]. 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@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) 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 Contingency Plan [ref. [APP-2, Para 3.d.](#)].
16. Stormwater. Leachate shall not be discharged into the stormwater management system. Stormwater or other surface water which comes into contact with or mixes with the solid waste or 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](#).

### E. Gas Management System Requirements

1. Construction Requirements. The gas management system constructed at the [Enterprise Class III Landfill](#) is described in §3.10 of the [Major Permit Modification Engineering Report](#) [ref. [APP-2](#), Para. 3.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:

<u>Ambient Monitoring Point</u>	<u>Location Description</u>
Scale House	Landfill Entrance

- b. Existing and proposed soil monitoring probes are specified for the [Enterprise Class III Landfill](#) at the following locations as depicted on Figure 1 ["[Site Monitoring Network](#)"], prepared by Locklear & Associates, received [February 17, 2017](#) [presented in [APPENDIX 3](#)]:

<u>Probe Number</u>	<u>Location Description</u>	<u>Scheduling Notes</u>
GP-6	Along north boundary (perimeter)	Existing/currently monitored
GP-6R	Along north boundary (perimeter)	Replacement gas probe
GP-7	Near northeast corner (perimeter)	Existing/currently monitored
GP-7R	Near northeast corner (perimeter)	Replacement gas probe
GP-8	Near northeast corner (perimeter)	Existing/currently monitored
GP-8R	Near northeast corner (perimeter)	Replacement gas probe
GP-9R	Along east boundary (perimeter)	Existing/currently monitored
GP-10R	Along east boundary (perimeter)	Existing/currently monitored
GP-11	Near southeast corner (perimeter)	Existing/currently monitored
GP-11R	Near southeast corner (perimeter)	Replacement gas probe
GP-12R	Near southeast corner (perimeter)	Existing/currently monitored
GP-13R	Along south boundary (perimeter)	Existing/currently monitored
GP-14	Along south boundary (perimeter)	Existing/currently monitored
GP-14R	Along south boundary (perimeter)	Replacement gas probe
GP-15	Near southwest corner (perimeter)	Existing/currently monitored

Scheduling Notes:

Existing gas probes GP-6, GP-7, GP-8, GP-11 and GP-14 will be abandoned when Cell 16 is constructed 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 verifying proper abandonment.

Replacement gas probes GP-6R, GP-7R, GP-8R, GP-11R and GP-14R will be installed when Cell 16 is constructed in accordance with the details provided in Table 3.10.1.2 of the [Major Permit Modification Engineering Report](#) [ref. [APP-2](#), Para. 3.a.]. The permittee shall submit a written report to the Department verifying proper installation.

**Amended: [Permit #024-SO/T3](#).**

### **E. Gas Management System Requirements (cont.)**

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

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@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us) and a copy to the address identified in Specific Condition F.1.

### G. Closure Requirements

1. Closure Permit Requirements. Closure of the Enterprise Class III Landfill is not authorized under this permit. 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. The Permittee may submit an application to the Department for a closure permit on Form 62-701.900(1), which application shall include a closure plan. If the landfill is operating under a Department permit, the Permittee may request a modification of the permit to address substantive changes in the closure plan, or the Permittee may demonstrate that the closure plan in the existing operation permit [ref. APP-2, Para 3.h.] includes sufficient detail to provide reasonable assurance of compliance with the provisions for closure. The application or request for modification shall include an updated closure plan which is made up of the following:
  - a. A closure design plan;
  - b. A closure operation plan;
  - c. A plan for long-term care; and,
  - d. 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 the 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.

### H. Long-Term Care Requirements

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

Executed in Hillsborough 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

April 20, 2017  
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.

**GENERAL CONDITIONS: (cont.)**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
- (a) Have access to and copy any records that must be kept under conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
  - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- (a) A description of and cause of noncompliance; and
  - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

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

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.



**GENERAL CONDITIONS: (cont.)**

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. Enterprise Class III Landfill, Pasco County Florida, Operations Permit Renewal Application, (3-ring binder and plan set) dated March 23, 2012 (received March 26, 2012), prepared by Kelner Engineering, as revised, replaced or amended (information inserted into original) received March 20, 2013, April 17, 2013, and April 18, 2013). This information includes, but is not limited to:
  - a. Landfill Engineering Report [Section 3], revised March 2013 (rcvd March 20, 2013),
  - b. 11"x17" Plan Set titled Angelo's Aggregate Materials Enterprise Recycling and Disposal Facility 2012 Permit Renewal Application (18 Sheets) [Section 4], signed and sealed dated March 18, 2013] [replaced by Plan Set referenced in APP-2, Para 3.f., below];
  - c. Operations Plan [Section 3, Appendix 3-A] [ref. Op. Plan] dated March 2013 (rcvd March 20, 2013),
  - d. Contingency Plan [Section 3, Appendix 3-B) dated March 2013 (rcvd March 20, 2013) [replaced by Contingency Plan referenced in APP-2, Para 3.d., below];
  - e. Groundwater Monitoring Plan [Section 5], dated March 2013 (rcvd March 20, 2013), prepared by Locklear & Associates, as revised, replaced or amended by information received April 17, 2013, including but not limited to the following:
    - 1) Figure 2 [Proposed Surficial Aquifer Monitor Well Detail], revised April 2013,
    - 2) Figure 3 [Proposed Floridan Aquifer Monitor Well Detail], revised April 2013.[replaced by Groundwater Monitoring Plan referenced in APP-2, Para 3.g., below];**Amended: Permit #024-SO/T3.**
2. Minor/Intermediate Modification Application for Enterprise Class III Recycling and Disposal Facility, dated March 20, 2015 (received March 25, 2015), prepared by Locklear & Associates, as revised, replaced or amended (information inserted into original) received, May 12, 2015. This information includes, but is not limited to:
  - a. Landfill Engineering Report [Section 3], dated March 2015 (rcvd March 25, 2015) [replaces Engineering Report & Appendix 3-A, Operations Plan referenced in APP-2, Para 1.a., above];
  - b. 2012 Plan Set Replacement Sheets (C-6, C-7, C-8, C-10, C-11, C-12, C-13, C-14, C-15) [Section 4] rcd March 25, 2015, including revised Sheets C-8, C-13, and C-14 rec'd May 12, 2015 [replaces Sheets C-6, C-7, C-8, C-10, C-11, C-12, C-13, C-14, C-15 in Plan Set referenced in APP-2, Para 1.b., above] ] [replaced by Plan Set referenced in APP-2, Para 3.f., below];
  - c. Operations Plan [Section 3, Appendix 3-A] [ref. Op. Plan] dated March 2015 (rcvd March 25, 2015) [replaces Operations Plan referenced in APP-2, Para 1.c., above] [replaced by Operations Plan referenced in APP-2, Para 3.b., below];New: Permit #022-SO/MM; **Amended: Permit #024-SO/T3.**

## APPENDIX 2 – Approved Application Documents (cont.)

3. Angelo's Aggregate Materials, Ltd. Enterprise Road Class III Recycling and Disposal Facility, Pasco County Operations Permit 177982-020-SO/T3 and 177982-019-SC/T3 Modifications Application..., dated March 31, 2016 (received April 6, 2016), prepared by Locklear & Associates, as revised, replaced or amended (information inserted into original) received, August 3, 2016, December 9, 2016 and February 17, 2017. This information includes, but is not limited to:

- a. Major Permit Modification Engineering Report [Section 3], revised February 2017 (rec'd February 17, 2017);
- b. Operations Plan [Section 3, Appendix 3-A] [ref. Op. Plan] dated February 5, 2017 (rec'd February 17, 2017);
- d. Contingency Plan [Section 3, Appendix 3-B] revised July 2016 (rec'd July 31, 2016)
- e. Figures [Section 3, Appendix 3-C] (rec'd March 20, 2013) except for Figure S-1 received August 3, 2016;
- f. Engineering Plan Set titled, Enterprise Road Class III Landfill Recycling & Disposal Facility Landfill Permit Modification (15 Sheets) [Section 4] revised February 3, 2017 (rec'd February 17, 2017);
- g. Groundwater Monitoring Plan [Section 5], dated February 2017 (rec'd February 17, 2017), prepared by Locklear & Associates, including but not limited to the following:
  - 1) Figure 1 [Site Monitoring Network], revised January 2017,
  - 2) Figure 2 [Proposed Surficial Aquifer Monitor Well Detail], revised February 2017,
  - 3) Figure 3 [Proposed Floridan Aquifer Monitor Well Detail], revised May 2016,
  - 4) Figure 4 [Boring Cross Sections], dated July 2016.
- h. Closure and Reclamation Plan [Section 7], revised July 2016 (rec'd August 3, 2016) [replaces Closure and Reclamation Plan in Section 7 of application referenced in APP-2, Para 1., above].

**New: Permit #024-SO/T3.**

### 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 (March 31, 2008) [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.
- 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 A.S.T.M., 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 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, F.A.C., and that the ground water minimum criteria referenced in Rule 62-520.400, 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"] of the Engineering Report [ref. [APPENDIX 2, Para. 3.g.](#)], and the monitor well locations are shown on Figure 1 [titled "[Site Monitoring Network](#)"], prepared by Locklear & Associates, received [February 17, 2017](#) [\[attached\]](#), as follow:

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

#### 3. Ground Water Monitor Well Locations. [continued]

**Wells associated with existing disposal areas: [Cells 1 through 7, Cell 15, temporary stormwater pond]:**

<u>Well #</u>	<u>Scheduling Notes</u>	<u>WACS Testsite #</u>	<u>Aquifer</u>	<u>Well Designation</u>	<u>Location</u>
BW-1A	A	28983	Surficial	Background	See Figure 1
BW-1B	A	28984	Floridan	Background	↓
MW-3	A	19571	Surficial	Detection	↓
MW-3B	A	21964	Floridan	Detection	↓
MW-4	A	19572	Surficial	Detection	↓
MW-4B	A	21965	Floridan	Detection	↓
MW-5A	B	19573	Surficial	Detection	↓
MW-5B	B	19574	Floridan	Detection	↓
MW-6	A	19575	Surficial	Detection	See Figure 1
MW-6B	A	28982	Floridan	Detection	↓
MW-7A	A	19576	Surficial	Detection	↓
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	See Figure 1
MW-10B	A	21325	Floridan	Detection	↓
MW-17B	A	28684	Floridan	Detection	↓
MW-18B	A	28986	Floridan	Detection	↓
MW-19A	A	28987	Surficial	Detection	↓
MW-20B	A	28990	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-4	B	N/A	Surficial	Piezometer	See Figure 1
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	↓

**Wells associated with future disposal area [Cell 16]:**

<u>Well #</u>	<u>Scheduling Notes</u>	<u>WACS Testsite #</u>	<u>Aquifer</u>	<u>Well Designation</u>	<u>Location</u>
MW-5AR	C, X	30178	Surficial	Detection	See Figure 1
MW-5BR	C, X	30179	Floridan	Detection	↓

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

#### 3. **Ground Water Monitor Well Locations.** [continued]

Scheduling Notes:

A = existing well/piezometer; construction details previously provided; results of a ground water "initial sampling event" previously provided [excluding piezometers P-4, P-6, P-8, P-10 and P-11]

B = existing well/piezometer to be abandoned at least 30 days prior to the start of construction of Cell 16; documentation of well/piezometer abandonment shall be submitted in accordance with APPENDIX 3, Para. #6.

C = proposed monitor well to be installed at least 30 days prior to disposal of waste in Cell 16 in accordance with the construction details presented in Table 2 [proposed surficial aquifer well] or Table 3 [proposed Floridan aquifer well] in Section 5 ["Groundwater Monitoring Plan"] of the Engineering Report [ref. APPENDIX 2, Para. 3.g.(2) and Para. 3.g.(3)]; in accordance with Rule 62-701.510(5)(b)1, F.A.C., replacement wells MW-5AR and MW-5BR are exempt from the requirement to conduct a ground water "initial sampling event."

X = documentation of well construction details shall be submitted in accordance with APPENDIX 3, Para. #5.b., and #5.d.

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: Permit #024-SO/T3.**

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, F.A.C., and with the ground water minimum criteria referenced in Chapter 62-520.400, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

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

#### 4. Ground Water Sampling. [continued]

- 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 [APPENDIX 3, Para. #4.b., and #4.c., below](#), at all active monitor wells and piezometers, as listed in [APPENDIX 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 **within 7 days of installation and development** of all new monitor wells for analysis of the following parameters:

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

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 [APPENDIX 3, Para. #3., above](#), these new wells shall be included in subsequent routine ground water sampling events.

- c. The background wells, detection wells, **compliance wells** and the supply well listed in [APPENDIX 3, Para. #3., above](#), shall be sampled **semi-annually** for analysis of the following parameters:

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

**Amended: Permit #024-SO/T3.**

#### 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 all new or replacement monitor wells or piezometers, the permittee shall request and receive Department approval of a minor permit modification in accordance with [Specific Condition #2.A.2.](#), of this permit.



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

5. **Ground Water Monitor Well Construction.** [continued]
  - b. Construction details for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office 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 [APPENDIX 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.
6. **Well Abandonment.** All monitor wells and piezometers not listed in [APPENDIX 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 Solid Waste Section 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 [APPENDIX 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**

Specific conductivity  
pH  
Dissolved oxygen  
Turbidity  
Temperature  
Colors and sheens  
(by observation)

**Laboratory Parameters**

Unionized ammonia	Total organic carbon (TOC)
Total hardness (as mg/L CaCO <sub>3</sub> )	Total nitrogen
Total phosphorus (as mg/L P)	Chemical oxygen demand (COD)
Chlorophyll A	Fecal coliform
Nitrate	Biochemical oxygen demand (BOD <sub>5</sub> )
Iron	Total dissolved solids (TDS)
Mercury	Total suspended solids (TSS)

Those parameters listed in  
40 CFR Part 258, **Appendix I**

- ~~e. Sampling of the temporary stormwater pond (located in Cells 14/16) shall be required in the event that the routine ground water sampling events conducted at the detection wells located in proximity to the temporary stormwater pond (MW 3, MW 3B, MW 4, MW 4B, MW 5A, MW 5B, MW 6 or MW 6B) indicate monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's ground water quality standards or minimum criteria. In this case, surface water sampling in the temporary stormwater pond shall be conducted **within 30 days of receipt of ground water results** in accordance with the Department's SOPs for analysis of the parameters listed in APPENDIX 3, Condition #8.b., above.~~

**Deleted: Permit #024-SO/T3.**

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

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.
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: <http://www.dep.state.fl.us/waste/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@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us)

and to,

Florida Department of Environmental Protection  
Solid Waste Section, MS 4565  
2600 Blair Stone Road  
Tallahassee, Florida, 32399-2400  
[ADaPT.EDDs.and.Reports@dep.state.fl.us](mailto:ADaPT.EDDs.and.Reports@dep.state.fl.us)

**Amended: Permit #022-SO/MM.**

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

**10. Water Quality Reporting Requirements.** [continued]

- 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, Condition #4.b.](#) – results of ground water “initial sampling events” shall be submitted **within 60 days from completion of laboratory analyses**;
  - 2) [APPENDIX 3, Condition #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, Condition #7](#) – results of ground water verification events shall be submitted **within 60 days from completion of laboratory analyses**;
  - 4) [APPENDIX 3, Condition #8.b.](#) – results of surface water “discharge sampling events” shall be submitted **within 60 days from completion of laboratory analyses**; and,
  - 5) [APPENDIX 3, Condition #8.c.](#) – results of surface water sampling events conducted within the temporary storm water pond (Cells 14/16) shall be submitted **within 60 days from completion of laboratory analyses**.

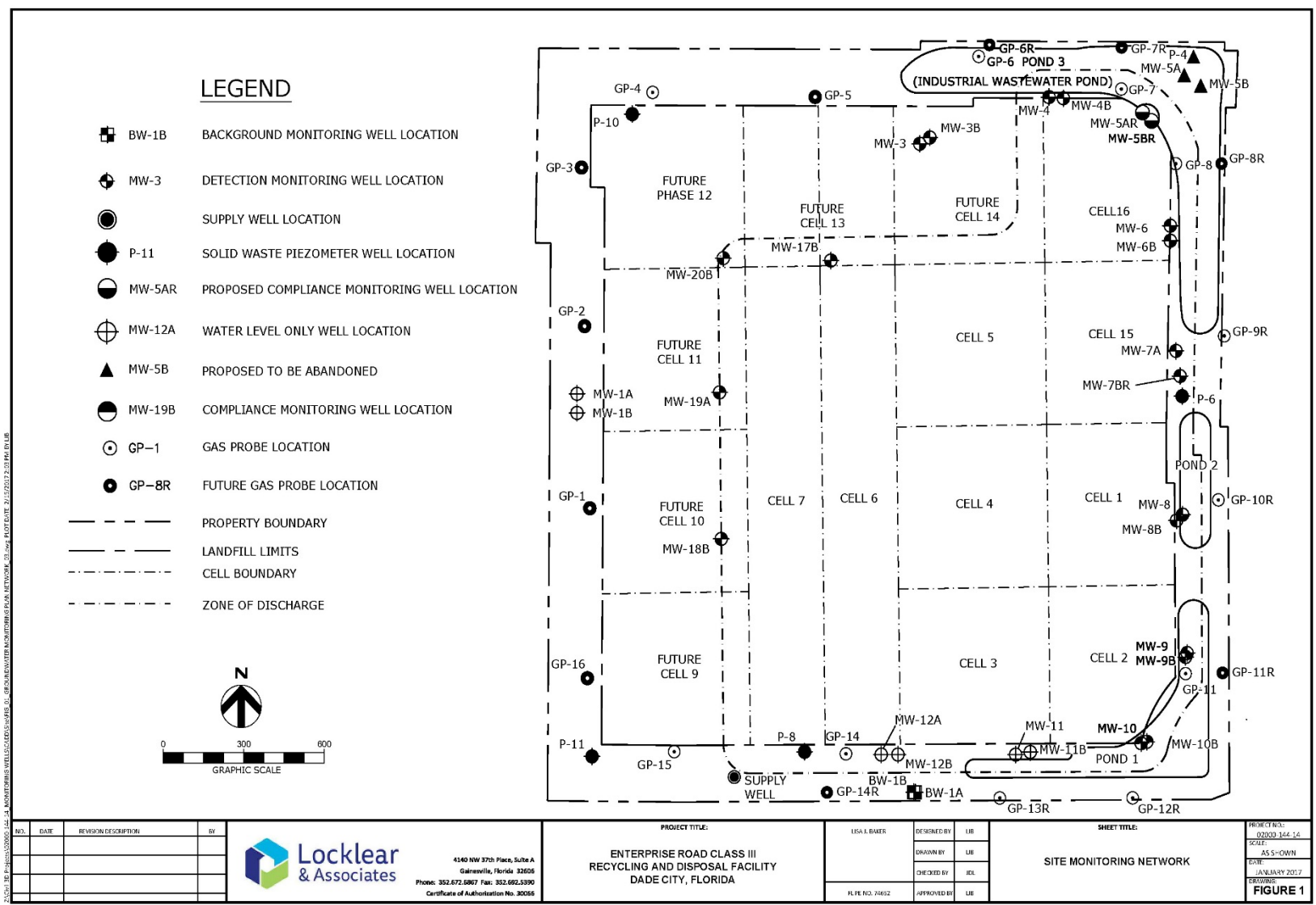
- 11. Monitoring Plan Evaluation.** The permittee shall submit an evaluation of the water quality monitoring data (ground water analyses, ground water flow direction and velocity, and surface water analyses) every two and one-half years as required by Rule 62-701.510(8)(b), F.A.C. The due dates and time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

<u>Monitoring Plan Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
<a href="#">Dec. 1, 2015</a>	Second half 2011	First half 2015
<a href="#">Apr. 1, 2018</a>	Second half 2015	Second half 2017

The evaluations shall include the applicable information as listed in Rule 62-701.510(8)(b), F.A.C., and shall include assessment of the effectiveness of the landfill closure design as related to the prevention of ground water and surface water contamination. 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, [Air & Solid Waste Permitting Section](#)  
13051 North Telecom Parkway, Suite 101  
Temple Terrace, FL 33637-0926

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

<u>General Information:</u>	<u>Class III Landfill</u>
Disposal acres	Approx. 67 acres (Cells 1-7 and 15-16) [ref. <a href="#">APP-2, Para. 3.c.</a> , Sheet C2.00; <a href="#">APP-2, Para. 3.e.</a> ]
Lowest bottom elevation of cells.	+79 ft. NGVD (Cell 16) [ref. <a href="#">APP-2, Para. 3.c.</a> , Sheet C0.04]
Top elevation at final buildout (including cover)	max. +175 feet NGVD [ref. <a href="#">APP-2, Para. 3.c.</a> , Sheets C2.00 & C2.10]
Side slopes max.	3H:1V below elevation +125 ft. NGVD; 4H:1V between el. +125 ft. and +170 ft. NGVD; 1-2% above +170 ft. NGVD [ref. <a href="#">APP-2, Para. 3.c.</a> , Sheet C2.00 & C2.10]
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 w/ clay berms along north and east side of Cell 16 Max. permeability= 1 x10 <sup>-8</sup> cm/sec
LCS drainage system	Cell 1-7 and 15 – leachate drain along cell bottom to temporary stormwater pond in future Cell 14 and to Cell 16. Cell 16 – leachate drains to a toe drain along north berm which slopes west to east. Leachate collected in 6-inch perforated HDPE toe drain pipes and conveyed thorough 6-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. <a href="#">APP-2, Para. 3.b.</a> , §3.7. & §3.10.2; <a href="#">APP-2, Para. 3.c.</a> , Sheets C0.04 & C4.00]
Design Life	13 years (Cells 1-7 and 15 & 16) [ref. <a href="#">APP-2, Para. 3.b.</a> , §3.8.3.]
Closure slopes	3H:1V below elevation +125 ft. NGVD; 4H:1V between el. +125 ft. and +170 ft. NGVD; 1-2% above +170 ft. NGVD [ref. <a href="#">APP-2, Para. 3.c.</a> , Sheet C2.00 & C2.10]

Amended: [Permit #022-SO/MM](#) and [Permit #024-SO/T3](#).

<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	Submit revised cost estimates
	Annually	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; 8.c.	Within 30 days of receipt of ground water results indicating exceedances	Conduct surface water sampling in the temporary storm water pond.
APP-3 10.b.1., 10.b.3., 10.b.4., 10.b.5.	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> <li>- surface water temporary storm water pond sampling.</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 December 1, 2015 and by April 1, 2018	Submit monitoring plan evaluation report.



PERMITTEE NAME: Angelo's Aggregate Materials, LTD  
FACILITY NAME: Enterprise Class III Landfill Operation

PERMIT NO.: 177982-020-SO/T3  
WACS Facility ID: 87895

## **ATTACHMENT 2 - Facility Permit History**

Replaces Permit No.: **177982-007-SO/T3, issued 05/31/2007**

Includes Modification No.: 177982-022-SO/MM, dated June 24, 2015.

**Includes Modification No.: 177982-024-SO/T3, dated April 20, 2017**