



# 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

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Attention: John Arnold, P.E., Engineer

DEP File No: 177982-023-SC/T3

Pursuant to Sections 403.061(14) and 403.707, Florida Statutes, the Department hereby issues modification number 177982-023-SC/T3. The following conditions of combined permit number 177982-019-SC/T3 are modified as follows:

| <b>SPECIFIC CONDITIONS</b> | <b>FROM</b> | <b>TO</b> | <b>TYPE OF MODIFICATION</b>  |
|----------------------------|-------------|-----------|--|
| Cover Page                 | Existing    | Amended   | References to Permit Modification No. 177982-023-SC/T3 added.  |
| Cond. #1.C.                | Existing    | Amended   | Revised to add Cell 16 to facility description.  |
| Cond. #2.B.1               | Existing    | Amended   | Revised to authorize Cell 16 construction.   |
| Cond. #2.B.3               | Existing    | Amended   | Revised to include revised construction certification information required for Cell 16 construction. |
| Cond. #2.B.5               | Existing    | Amended   | Revised to reference Cell 16 construction.   |

| <b>SPECIFIC CONDITIONS</b>    | <b>FROM</b> | <b>TO</b> | <b>TYPE OF MODIFICATION</b>   |
|-------------------------------|-------------|-----------|---|
| Appendix 2, Para #1.b. & #1.c | Existing    | Amended   | References replacement of Engineering Plan Set and Groundwater Monitoring Plan with those submitted with Permit #177982-023-SC/T3.  |
| Appendix 2, Para #2.b.        | Existing    | Amended   | References replacement of parts of Engineering Plan Set with Plan Set submitted with Permit #177982-023-SC/T3.  |
| Appendix 2, Para #3.          | -           | New       | References permitting application documents associated with Permit #177982-023-SC/T3.   |
| Appendix 3, Para #2.c.        | Existing    | Amended   | Permit note added to acknowledge typographic errors in permitting application documents associated with Permit #177982-023-SC/T3 related to maximum hydraulic conductivity of clay liner layer. |
| Appendix 3, Para #3.          | Existing    | Deleted   | Deleted requirement for sampling 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 177982-019-SC/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  
813-470-5700

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 Construction Renewal Permit - Class III Landfill**

Permit No.: 177982-019-SC/T3  
Includes Permit Modifications Nos. 177982-021-SC/IM & #177982-023-SC/T3  
Replaces Permit No.: 177982-008-SC/T3

Permit Issued: July 09, 2013  
Permit Modification #177982-021-SC/IM Issued: June 24, 2015  
Permit Modification #177982-023-SC/IM Issued: April 20, 2017  
Permit Renewal Application Due Date: May 8, 2018  
Permit Expires: July 09, 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 construct 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 construction 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 constructed 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 construction of Cell 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 #023-SC/T3.**

### D. Appendices Made Part of This Permit

APPENDIX 1 - General Conditions

APPENDIX 2 - Approved Application Documents

APPENDIX 3 - Project Specific Closure Construction Conditions

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 construction 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 is valid for construction of **Cell 16** of the Enterprise Class III Landfill and related appurtenances, only. Construction of future Cells 9 through 14 is not authorized by this permit.  
**Amended: Permit #023-SC/T3.**
2. General Construction Requirements. All construction shall be done in accordance with the approved design, drawings, CQA plan, and specifications and the project specific conditions provided in [APPENDIX 3](#). 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.
3. Certification of Construction Completion. Upon completion of construction, 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 done in substantial conformance with the approved construction plans except where minor deviations were necessary. All deviations shall be described in detail and the reasons therefore enumerated. The following documents shall be submitted along with the Certification:
  - a. The final report and record drawings showing that the liner system has been installed in substantial conformance with the plans and specifications for the liner system. The record drawings must include the results of the surveys of the base grade and top of clay grade slopes, and the location of all occurrences of limerock.

### B. Construction Requirements (cont.)

- b. Results of testing of soil components of the liner system.
- c. Revised closing and long-term care estimates for Cell 7 of the Class III facility in accordance with Rule 62-701.630(3) & (7), F.A.C.
- d. Construction details for replacement ground water wells MW-5AR and MW-5BR associated with Cell 16 as required by APPENDIX 3, Para. #3, #5.b., and #5.d., of Operation Permit #177982-020-SO/T3; documentation of abandonment of existing ground water wells MW-5A and MW-5B shall be submitted in accordance with APPENDIX 3, Para. #6., of Operation Permit #177982-020-SO/T3.
- e. Construction details for replacement gas probes GP-6R, GP-7R, GP-8R, GP-11R and GP-14R as required by Specific Condition #2.E.1.b., of Operation Permit #177982-020-SO/T3; documentation of abandonment of existing gas probes GP-6, GP-7, GP-8, GP-11 and GP-14 as required by Specific Condition #2.E.1.b., of Operation Permit #177982-020-SO/T3.

**Amended: Permit #023-SC/T3.**

4. Construction Quality Assurance. The Construction Quality Assurance (CQA) Plan submitted with the permit application shall be followed for preparing the subgrade and installing and testing the liner system and related components. The CQA engineer or the engineer's designee shall be on-site at all times during construction of the liner system to monitor the construction activities including preparation of the subbase, placement of the liner components.
5. Approval of Certification. The permittee shall not begin using Cell 16 at the facility until one of the following has occurred: (1) the Department has stated in writing that it has no objection to the certification of construction completion; or (2) at least 30 days have passed since the certification was submitted and the Department has not responded in writing to the certification.

**Amended: Permit #023-SC/T3.**

### C. Operation Requirements

1. General Operating Requirements. Operation of the Enterprise Class III Landfill is not authorized under this permit. The Permittee shall operate the landfill in accordance with Operation Permit #177982-020-SO/T3, or its successors.
2. 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 #021-SC/IM.

### **D. Water Quality Monitoring Requirements**

1. Water Quality Monitoring Plan. The Water Quality Monitoring Plan for this permit is included in [APPENDIX 3](#) of Operation Permit #177982-020-SO/T3, or its successors.

### **E. Gas Management System Requirements**

1. Landfill Gas Management Requirements. The landfill gas management requirements for this permit are included in [Specific Condition #2.E.](#), of Operations Permit #177982-020-SO/T3.

### **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 and a copy to the address identified in Specific Condition F.1.



### G. Closure Requirements

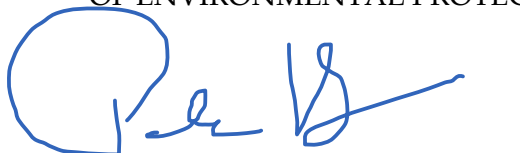
1. Closure Permit Requirements. Closure of the Enterprise Class III Landfill is not authorized under this permit. Prior to initiating closure of a solid waste disposal unit, or part of a solid waste disposal unit, the Permittee must receive authorization from the Department in one of the following manners. 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 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 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 an 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. 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 #023-SC/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] rcvd 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];

New: Permit #021-SC/IM; **Amended: Permit #023-SC/T3.**

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. Liner System Requirements Study Report [Section 2, Part G-1], revised July 2016 (rec'd August 3, 2016);
  - b. Major Permit Modification Engineering Report [Section 3], revised February 2017 (rec'd February 17, 2017);

**APPENDIX 2 - Approved Application Documents (cont.)**

- c. 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);
  - d. 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.
  - e. 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 #023-SC/T3.**

### APPENDIX 3 - Project Specific Construction Conditions

1. Limerock Encountered During Site Mining or Cell Excavation. If limerock is encountered during site mining operations with 10 ft. of the design cell clay layer elevation or during cell construction, the vertical and lateral extent of the limerock shall be investigated and the limerock area over-excavated and backfilled in accordance with the procedures in Section 3.7 of the Engineering Report.
2. Soil Liner Installation.
  - a. Each cell shall be over-excavated to approximately 3 feet below the approved cell bottom grades shown on the permit drawings [ref. APP-2, Para. 1.b., Sheets C-5 & C-7]. A minimum thickness of 3 feet of clayey material, shall be compacted in the bottom and perimeter slopes of each cell. Thickness tests of the clay liner shall be taken at a minimum frequency of two tests per acre per lift [ref. APP-2, Para. 1.a., §3.15]. The clayey material shall have a maximum hydraulic conductivity of  $1 \times 10^{-8}$  cm/sec [ref. APP-2, Para. 1.a., §3.7, 3.10.2]. Hydraulic conductivity tests for the low permeability soil layer shall be conducted in accordance with ASTM D5084.
  - b. The low permeability soil shall be free from organics, roots, rubbish, debris or rocks greater than  $\frac{1}{4}$  inch in any dimension, sticks greater than  $\frac{1}{4}$  inch in diameter, calcareous deposits or any other deleterious material.
  - c. Hydraulic conductivity and % fines tests shall be taken at a frequency of one per acre per lift [ref. APP-2, Para. 1.a., §3.15]. All hydraulic conductivity tests shall have a maximum value of  $1 \times 10^{-8}$  cm/sec\*. Locations which do not meet this requirement shall be reworked and retested to confirm that the area passes. Permeability test locations shall not be covered by subsequent lifts until passing hydraulic conductivity test results are received by the CQA representative.

*\*Permit note: The supporting permit application documents referenced in Appendix 2. Paragraph 3. above contain typographic errors that incorrectly state that the maximum hydraulic conductivity clay liner shall be  $1 \times 10^{-7}$  cm/sec.*

**Amended: Permit #023-SC/T3.**

- ~~3. Leachate collection and removal system. The facility does not have a leachate collection and removal system that meets the design criteria of Rule 62-701.400(4), F.A.C. The bottom clay liner is sloped toward the northeast corner of the site (future disposal Cells 14/16). The system is designed such that leachate that does not percolate through the 3 foot thick clay liner will seep toward the northeast portion of the site and discharge into Cells 14 and 16, where it will be commingled with stormwater runoff. Cells 14/16 are clay lined on the bottoms. In the event that groundwater monitoring in the vicinity of Cells 14 or 16 indicate impacts to groundwater in this area, the Permittee shall sample the stormwater/leachate stored in temporary pond/Cells 14/16 in accordance with APPENDIX 3, Condition #8.c. of Operation Permit #177982-020-SO/T3, or its successors.~~

**Deleted: Permit #023-SC/T3.**



**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)<br>3-foot thick clay layer in bottom of Cell 16 w/clay berms along north and east side of Cell 16<br>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.<br>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 through 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.<br><a href="#">[ref. APP-2, Para. 3.b., §3.7. &amp; §3.10.2; APP-2, Para. 3.c., Sheets C0.04 &amp; C4.00]</a> |
| 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 #023-SC/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 day prior to expiration date of permit.                      | Submit permit renewal application |
| F.2.b.  | Annually, between January 1 <sup>st</sup> and March 1 <sup>st</sup> each year | Submit revised cost estimates     |
|   | Annually  | Submit proof of funding           |

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

PERMIT NO.: 177982-019-SC/T3  
WACS Facility ID: 87895

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

Replaces Permit No.: **177982-008-SC/T3, issued 05/31/2007**

Includes Modification No.: 177982-021-SC/IM, dated June 24, 2015.

**Includes Modification No.: 177982-023-SC/T3, dated April 20, 2017**