

Enterprise Constr. File
Dept. of Environmental Protection
APR 17 2009
Southwest District

Limerock Observation Log

Enterprise Mining Operations - Prior to Class III Construction

In accordance with Florida Department of Environmental Protection (FDEP) Class III Operation Permit, limerock encountered during mining operations at the Enterprise site will be documented using this Log. Limerock extending below the proposed bottom of the cell will be overexcavated and filled with clay. Clay will be placed and compacted in 12" lifts. This Log will be provided to the FDEP for each area of limerock encounter and continued excavation and/or remediation will begin no sooner than 24 hours after notice, unless otherwise directed by the FDEP.

Facility

Enterprise Class III Landfill and Mine
Pasco County
41111 Enterprise Road
Dade City, FL 33525
Operation Permit: 177982-010-SO

Operator/Owner

Angelo's Recycled Materials
Jeff Rogers, Landfill Manager
Ph. 352.567.7676
Fx. 352.567.9448

Regulatory Authority

Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33673-0926
Contact: Susan Pelz, P.E.

Observer

Signature: [Signature]
Name: John Arnold
Title: Engineer
Date: 4/16/09

Limerock Data (Each Occurrence)

Date Encountered: 4/16/09

Location Encountered: Approximately 100' North and 75' West of the NW Corner of Cell 3

Approximate vertical extent: Approximately 80' - 95' NGVD

Color and Consistency: White/Clean / Green -- weathered w/ clay mantle

Continuity (pinnacle/boulder/etc.): pinnacles -- weathered w/ clay infill

Observed Voids Adjacent or In Formation (No) Yes - Describe Orientation/Extent):

Remediation

1. If limerock is an isolated occurrence above the Cell Bottom Elevation and does not extend below the Cell Bottom Elevation - Remove completely and log occurrence.
- ✓ 2. If limerock extends to Cell Bottom Elevation or Below - Over-excavate (5-feet laterally beyond limerock boundary and 3-feet vertically below the proposed cell bottom elevation) and backfill with clay meeting the specifications in the FDEP Operation/Construct permit. Log lateral extent of limerock at Cell Bottom Elevation.

John Arnold
41111 Enterprise Rd
N. de City, FL 33525

TAMPA FL 335
SAINT PETERSBURG FL
16 APR 2009 PM 3 T



Susan Pelz, P.E.
FDEP
13051 North Telecom Parkway
Temple Terrace, FL 33673-0926

33637+0326





Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

May 31, 2007

CERTIFIED MAIL 7004 1350 0002 5570 7192
RETURN RECEIPT REQUESTED

Angelo's Aggregate Materials, Ltd.
Mr. Dominic Iafrate
P.O. Box 1493
Largo, FL 33779

RE: Enterprise Class III Landfill, Pasco County
Construction permit #177982-008-SC/T3
Operation permit #177982-007-SO/T3

NOTICE OF PERMIT

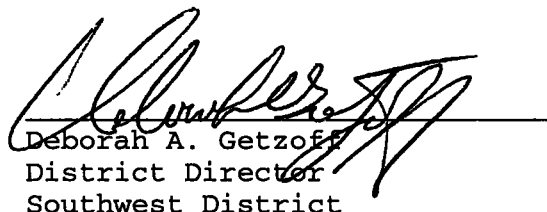
Dear Mr. Iafrate:

Enclosed are **Operation Permit No. 177982-007-SO/T3** and
Construction Permit No. 177982-008-SC/T3, issued pursuant to
Section(s) 403.087(1), Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 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 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on May 31, 2007 to the listed persons.

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant
to Section 120.52(10), Florida
Statutes, with the designated
Department, Clerk, receipt of
which is hereby acknowledged.

Anna Black
Clerk

5/31/2007
Date

DAG/sjp
Attachment

Copies furnished to:

Pasco County Board of County Commissioners
Pasco County Notification List
Donna Huber, Pasco County Development Review, 7530 Little Road, Suite 230, New
Port Richey, FL 34654, w/attachment
John Arnold, P.E., Angelos, PO Box 1493 Largo, FL 33779
Dennis Davis, P.E., Jones Edmunds, 730 NE Waldo Rd, Gainesville, FL 32641
Pat Comer, FDEP OGC
Richard Tedder, P.E., FDEP Tallahassee (email)
William Kutash, FDEP Tampa (email)
Fred Wick, FDEP, Tallahassee
Douglas Hyman, P.E., FDEP Tampa, ERP (email)
Mara Nasca, FDEP Tampa, Air (email)
Permit Notebook



Florida Department of Environmental Protection

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

Charlie Crist
Governor

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Michael W. Sole
Secretary

PERMITTEE

Angelo's Aggregate Materials, Ltd.
Attn: Mr. Dominic Iafrate, President
P.O. Box 1493
Largo, FL 33779

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
Permit No: **177982-008-SC/T3**
Date of Issue: **05/31/2007**
Expiration Date: **05/31/2012**
County: Pasco
Lat/Long: 28°19'53"
82°08'06"
Sec/Town/Rge: 5 & 8/25S/22E
Project: Enterprise Class III
Landfill and Recycling
Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the construction of:

1. Class III Landfill

Disposal acres	Approx. 60.9 acres (Cells 1-8 and 15) [ref. SC#A.2.c, Sheet C-5]
Lowest Bottom elevation of cell	+80 ft. NGVD (Cell 15) [ref. SC#A.2.c, Sheet C-4]
Top elevation at final buildout (entire landfill-including cover)	max. +175 feet NGVD [ref. SC#A.2.c, Sheet C-12; #A.2.a(1), §3.8.1.]
Sideslopes max.	3H:1V below elevation +125 ft. NGVD, 4H:1V above el. +125 ft. NGVD [ref. SC#A.2.d., Sheets 14, 16 and 17 of 27; #A.2.a(1), §3.8]
Liner system	3 foot-thick clay (bottom only Cells 1-5, 7 and 15; bottom & sides of Cells 6, 8, 9, 10, 11), max. permeability= 1×10^{-8} cm/sec [ref. SC#A.2.a(1), §3.10.2.]
LCS drainage system	none
Design life	3 years (Cells 1-8 and 15), 6 years (Cells 1-11 and 15) [ref. SC#A.2.a(1), Table 3.8],

Replaces Permit No.: 177982-001-SC (including modifications)

This permit contains compliance items summarized in Attachment 1 that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

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:

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:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

(a) Determination of Best Available Control Technology (BACT)

(b) Determination of Prevention of Significant Deterioration (PSD)

(c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)

(d) Compliance with New Source Performance Standards

14. 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.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PERMIT NO.: 177982-008-SC/T3
Enterprise Class III Landfill

GENERAL CONDITIONS:

15. 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.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

1. **Facility Designation.** This site shall be classified as a Class III landfill for disposal of construction and demolition debris and Class III wastes only, and shall be constructed in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for construction of fill sequences 1 through 7 (shown on Sheet C-5 [ref. SC#A.2.c]) of the Class III landfill and related systems in accordance with Department rules, and the reports, plans and other information prepared by Tetra Tech HAI (TTHAI) and Jones, Edmunds & Associates (JEA) (unless otherwise specified) as follows:

a. Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application, Pasco County, (one 3-ring binder) dated August 2005 (received August 23, 2005), prepared by TTHAI, as revised, replaced or amended (information inserted into original) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 and April 13, 2007 (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and April 18, 2007). This information includes, but is not limited to:

- 1) *Engineering Report, Section 3,*
- 2) *Operations Plan, Appendix 3-A,*
- 3) *Contingency Plan, Appendix 3-B,*
- 4) *Groundwater Monitoring Plan, Section 5,*
- 5) *Reclamation and Closure Plan (including long-term care plan), Section 7;*

b. Responses to Request for Additional Information... (one 3-ring binder) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 (JEA), and April 13, 2007 (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and April 18, 2007) (replacement pages inserted into original [ref.SC#A.2.a.] as appropriate, other attachments included in this binder);

c. Plan Sheets titled, Angelo's Recycled Materials Enterprise Recycling and Disposal Facility (25 sheets) dated November 2006 (received November 13, 2006), prepared by JEA (note: reduced size set in Attachment 7 of November 2006 submittal by JEA [ref.SC#A.2.b.]);

d. Topographic Surveys (Sheets 1 through 3 of 3, 1 through 6 of 6 and reduced size survey dated March 9, 2006), prepared by Pickett Surveying and Photogrammetry, received November 13, 2006.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

3. Permit Modifications.

a. Any construction, operation or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Any significant changes to the construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit does not authorize construction of disposal Cells 9, 10, 11, 12, 13, 14 or 16. Cells 14 and 16 are authorized to be used as temporary stormwater/leachate control. This permit does not authorize operation.

4. Permit Renewal. No later than October 30, 2011, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10)(b), F.A.C.

5. Professional Certification. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

6. General Conditions. The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

7. Permit Acceptance. By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

8. Regulations. Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

9. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

a. In the event that limestone is encountered during excavation or construction activities, the excavation/construction activities shall cease and the Department shall be notified **within 24 hours of discovery**. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the continued construction and operation of the facility. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b.

d. The lowest cell bottom elevation (Cells 3, 6-11) is approximately **+81.6 feet NGVD** (top of clay in Cell 3). In the event that subsequent groundwater monitoring indicates that the groundwater may adversely impact the clay liner, information that addresses the requirements of Rule 62-701.400(11), F.A.C. shall be submitted for Department review and approval. In the event that corrective actions are required, a permit modification may be required.

SPECIFIC CONDITIONS: PART B - Construction Requirements

1. **Construction.** All construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.

a. This permit authorizes the construction of **Cells 3, 6, 7, and 8** of the Class III disposal facility. This permit does not authorize the **operation** of these Cells. Operation of these Cells shall be in accordance with Operation Permit #177982-007-SO/T3 or its successors.

2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate.

a. **Within sixty (60) days** after the specified construction has been completed, and **prior to the acceptance of waste, for each Cell**, the following activities shall be completed and submitted by the permittee, and shall be approved by the Department:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

2) The permittee shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include, but not be limited to, as-built elevations of the disposal area (surveys), details and elevations of limerock encountered, and other details as appropriate.

3) The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.

4) The professional engineer of record shall submit to the Department a final report to verify conformance with the project specifications including all test results for the development of each cell.

3. **Record Drawings/Documents.**

a. The Record Drawings/Documents shall include, but not be limited to, the following information:

- 1) Location of all occurrences of limerock;
- 2) Daily construction reports;

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.3.a., cont'd)

3) Hydraulic Conductivity and % fines test results for the clay layer, figure showing locations of all tests, and documentation demonstrating that the clay layer is a minimum of 3 feet thick after compaction;

4) Copies of photographs documenting all stages of the construction project; and

5) Surveys of the cell floor grading and top of clay layer [ref. SC#A.2.c., Sheet C-4] for the constructed cell (including sideslopes).

b. The Record Documents shall include as-built surveys which demonstrate that the lowest elevation of the cell floor has been constructed no lower than **the elevations shown on sheet C-4** [ref. SC#A.2.c.], or as otherwise approved by the Department.

4. Pre-Construction Submittals.

a. **At least thirty (30) days prior** to initiation of construction activity for each Cell, unless otherwise specified, the permittee shall notify the Department of commencement of construction.

5. Pre-Construction Meeting Notification. Department Solid Waste Permitting staff shall be notified **at least one (1) week prior** to all pre-construction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on-site and discuss all plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department **within two (2) weeks** of the conference.

6. Construction Schedule and Progress Report.

a. **No later than one (1) week after** all pre-construction meetings, the owner or operator shall submit a construction schedule for each Cell which includes estimated dates/timeframes of the construction (initiation and estimated completion) to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.

b. In the event that the construction activities occur over more than 1 month, an updated construction schedule and progress report shall be submitted to the Department **monthly, by the 15th of each month**. The monthly progress report should be submitted in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project. The monthly progress reports shall include, but not be limited to:

1) A narrative explaining the status (and any delays) of major stages of the construction, including occurrences of limerock, sinkholes, soft zones, etc.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.6.b., cont'd)

2) A summary of submittals and change order requests,

3) Weekly progress meeting minutes, if applicable, and

4) Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction.

7. Construction Tolerances.

a. As-built topographic surveys shall demonstrate that the clay liner was constructed within ± 0.1 ft. (vertical).

b. The sand protective layer shall be constructed to a minimum installed thickness of 12 inches.

8. Laboratory and Field Testing Requirements. Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory, independent of the manufacturer or installer, representing the owner. A qualified field technician representing the owner shall provide full time, on-site inspection during construction. The field technician shall work under the supervision of a professional engineer registered in the State of Florida with experience in landfill liner construction.

9. Construction Quality Assurance.

a. The permittee shall have a construction quality assurance plan for construction of the clay liner to provide personnel with adequate information to achieve continuous compliance with the construction requirements. The Construction Quality Assurance Plan shall be in accordance with the conditions of this permit. The professional engineer or his designee shall be on-site at all times during construction to monitor construction activities.

b. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference.

c. Unsatisfactory, defective or non-conforming work shall be reported to the CQA Consultant and Owner and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained onsite for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.2 and #B.3.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.9., cont'd)

d. Construction activities shall not be carried out in non-daylight hours without prior Department approval. If construction will be conducted during nighttime hours, the Department shall be notified **at least 1 week** in advance to allow for Department observation. This notification shall include a description of the methods which will be used to provide adequate illumination to ensure that the quality of the construction is not compromised.

e. All portions of the clay layer/liner construction shall be observed and documented by the CQA Consultant.

f. CQA daily reports shall include weather conditions (e.g., precipitation, temperature).

g. Runoff from stockpiled soils shall not discharge to surface water bodies or wetlands such that Department surface water standards are violated at the point of discharge.

h. All excavations shall be maintained free from standing water. Except for the stormwater management system construction, no construction, including pipe laying, shall be allowed in water. Groundwater shall be maintained at least 12 inches below excavations. In the event that it appears that the excavation is being impacted by groundwater, the contractor shall take the corrective actions necessary to demonstrate that the groundwater is sufficiently below the bottom of the excavation.

10. Soil Materials.

a. Each cell shall be over-excavated to approximately 3 feet below the approved cell bottom grades shown on Sheet C-4 [ref.SC#2.d]. 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.SC#A.2.a(1), §3.15]. The clayey material shall have a maximum hydraulic conductivity of 1×10^{-8} cm/sec [ref.SC#A.2.a(1), §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 ¼ inch in any dimension, sticks greater than ¼ 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.SC#A.2.a(1), §3.15]. All hydraulic conductivity tests shall have a maximum value of 1×10^{-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.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.10., cont'd)

d. A minimum one-foot thick protective sand layer shall be placed above the clay layer as part of the construction activities.

11. **Geosynthetic Materials.** Geosynthetics are not proposed for this project. In the event that geosynthetics are proposed, a modification of this permit shall be required.

12. **Leachate collection and removal system.**

a. 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 Specific Condition #E.8.c. of Operation permit #177982-007-SO/T3, or its successors.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with Chapter 62-701, F.A.C., and Operation Permit no. #177982-007-SO/T3, or its successors.

b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged to soils, surface water or groundwater during the construction or operation of this facility in any manner that results in violations of Department water quality standards.

2. Operating Personnel. The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.

3. Control of Access. Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C.

4. Monitoring of Waste. No waste shall be accepted in newly constructed Cells until the following requirements have been completed and submitted by the Permittee, and approved by the Department, for the constructed Cell:

a. Certification of Construction Completion requirements of Specific Condition #B.2.,

b. financial assurance requirements of Specific Condition #D.4.c.,

c. construction of groundwater monitoring wells and gas probes as required by Operation Permit no. #177982-007-SO/T3, or its successors, and

d. construction of required portions of the stormwater management system.

5. Control of Nuisance Conditions. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction, operation and closure of this facility so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

6. Facility Maintenance and Repair.

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater/leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.6., cont'd)

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharges, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

c. In the event that any portion of the groundwater monitoring system is damaged, dry, or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

7. Stormwater Management.

a. The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. The stormwater management system shall be inspected for damage and proper operation daily.

SPECIFIC CONDITIONS: PART D - Recordkeeping

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

2. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

3. **Waste Records.** The permittee shall maintain all records required by this permit and the information listed in Specific Condition #A.2., onsite, and shall provide copies to the Department upon request.

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted **annually, by March 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

c. Proof of the initial funding of the financial assurance mechanism shall be submitted **no later than 60 days prior to receipt** of waste in each Cell.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PERM. NO.: 177982-008-SC/T3
Enterprise Class III Landfill

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. **Water Quality Monitoring.** Water quality shall be monitored in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

1. **Landfill Gas - NSPS and Title V Air Requirements.**
 - a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.
 - b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.
 - c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).
2. **Gas Monitoring and Control.** Landfill gas shall be monitored and controlled as required by Operation Permit #177982-007-SO/T3 or its successors.
3. **Gas Monitoring Locations.**
 - a. Gas monitoring probes shall be located as listed in Operation Permit #177982-007-SO/T3 or its successors, and the conditions of this permit.
4. **Gas Remediation.** In the event that the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off of the landfill site, or greater than 100% at the property boundary, the owner shall submit to the Department, **within 7 days of detection**, a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days of detection** unless otherwise approved by the Department.

SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements

1. Closure Requirements.

a. Long-Term Care Requirements.

- 1) The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.620, F.A.C., and the conditions of Operation Permit #177982-007-SO/T3 or its successors.
- 2) Long-term care includes, but is not limited to, water quality monitoring, gas monitoring, maintenance of the final cover system, maintenance of stormwater management system, erosion control, and the prevention of ponding within disposal areas.

b. Closing Requirements.


- 1) **No later than one hundred eight (180) days** prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

2. Use of Closed Landfill Areas. Prior to implementation, the owner or operator shall submit a plan for any proposed uses of closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use, and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate control, clay liner, stormwater management), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval, and may require a permit modification or separate permit.

3. Final Cover. Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.

Executed in Hillsborough County, Florida.

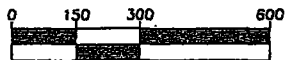
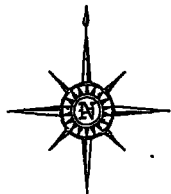
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

ATTACHMENT 1

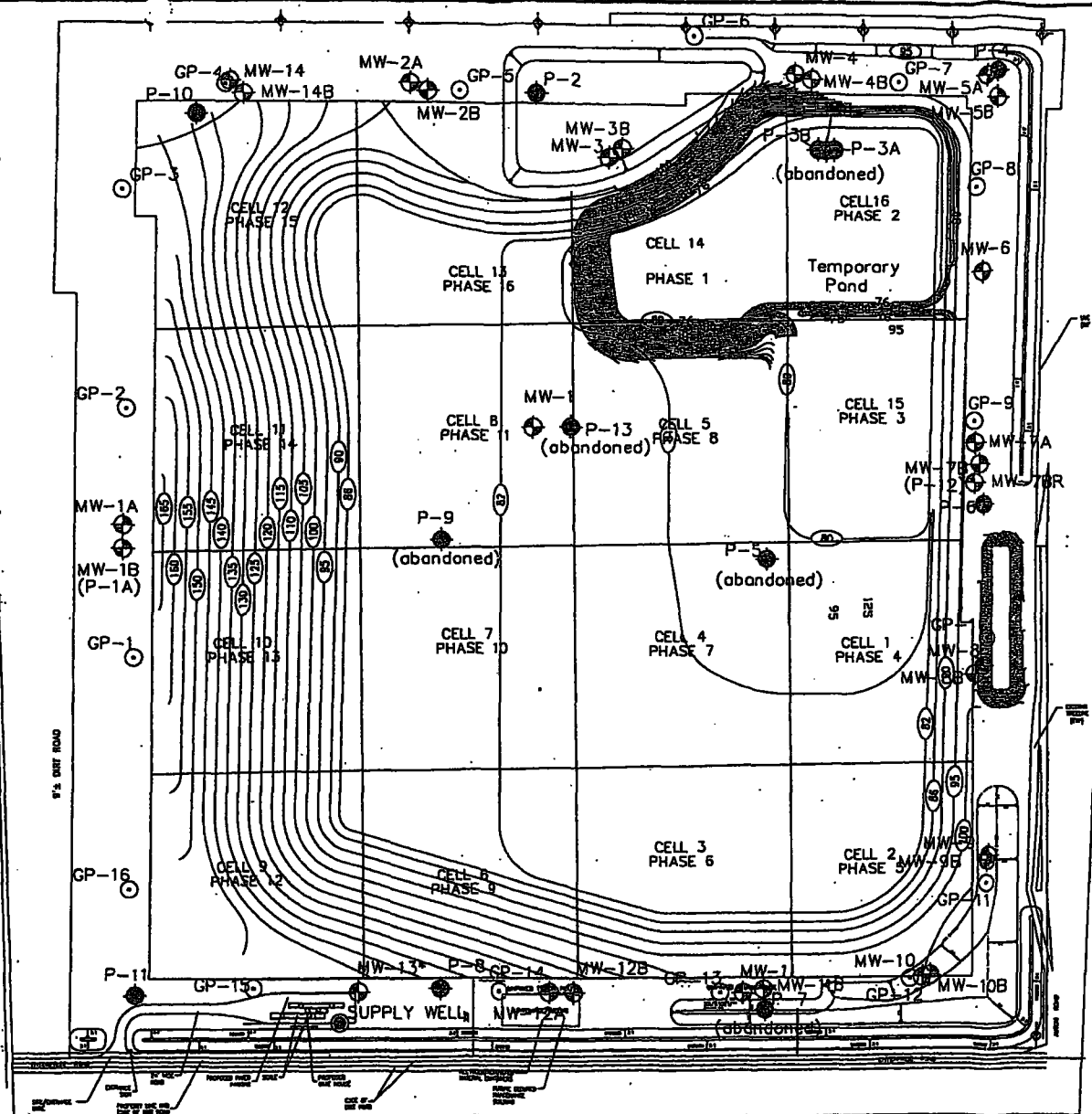
Specific Condition	Submittal Due Date	Required Item
A.4.	180 days prior to permit expiration	Submit permit renewal application
A.9.a.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability Written notification & corrective action plan
B.2.a.	Within 60 days of completion of construction	Submit certification of construction completion, record drawings, etc.
B.4.a.	At least 30 days prior to construction	Notify of construction initiation
B.5.	At least 1 week prior	Notify of preconstruction meeting
B.6.a.	No later than 1 week after pre-construction meeting	Submit meeting minutes
B.6.b.	Monthly, by the 15 th each month	Submit monthly progress report & schedule
B.8.d.	At least 1 week prior	Notify of night work
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for groundwater monitoring system
D.4.a.	Annually, by March 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	No later than 60 days prior to receipt of waste	Submit proof of initial funding

ATTACHMENT 1, cont'd		
Specific Condition	Submittal Due Date	Required Item
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.b(1)	No later than 180 days prior to the date when wastes will no longer be received	Submit Closure Permit application



LEGEND

- MW-1 MONITOR WELL LOCATION
- GP-1 GASPROBE LOCATION
- P-9 PIEZOMETER WELL LOCATION
- SUPPLY WELL



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
NOV 13 2006
SOUTHWEST DISTRICT
TAMPA

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

MONITOR WELL COMPLETION REPORT

DATE: _____

INSTALLATION NAME: _____

DEP PERMIT NUMBER: _____ GMS NUMBER: _____

WELL NUMBER: _____ WELL NAME: _____

DESIGNATION: Background _____ Immediate _____ Compliance _____

LATITUDE/LONGITUDE: _____

AQUIFER MONITORED: _____

INSTALLATION METHOD: _____

INSTALLED BY: _____

TOTAL DEPTH: _____ (bls) DEPTH OF SCREEN: _____ (bls)

SCREEN LENGTH: _____ SCREEN SLOT SIZE: _____ SCREEN TYPE: _____

CASING DIAMETER: _____ CASING TYPE: _____

LENGTH OF CASING: _____ FILTER PACK MATERIAL: _____

TOP OF CASING ELEVATION (MSL): _____

GROUND SURFACE ELEVATION (MSL): _____

COMPLETION DATE: _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): _____

DATE AND TIME MEASURED: _____

REMARKS: (soils information, stratigraphy, etc.): _____

REPORT PREPARED BY: _____
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring
Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name _____
Address _____
City _____ Zip _____
Telephone Number () _____
- (2) The GMS Identification Number _____
- (3) DEP Permit Number _____
- (4) Authorized Representative Name _____
Address _____
City _____ Zip _____
Telephone Number () _____
- (5) Type of Discharge _____
- (6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # _____

Analytical Lab Comp QAP # /HRS Certification # _____

 *Comp QAP # /HRS Certification # _____

Lab Name _____

Address _____

Phone Number () _____

PART III ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: _____

Test Site ID #: _____ Report Period: _____
(year/quarter)

Well Name: _____ Well Purged (Y/N): _____

Classification of Ground Water: _____

Well Type: () Background

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

() Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

*** Attach Laboratory Reports**

Is your RETURN ADDRESS completed on the reverse side?

Enterprise Class III LF Issued Permits #177982-008-SC/T3

- SENDER:** Ord # 177982-007-50/T3
- Complete Items 1 and/or 2 for additional services.
- Complete Items 3, 4a, and 4b.
 - Print your name and address on the reverse of this form so that we can return this card to you.
 - Attach this form to the front of the mailpiece, or on the back if space does not permit.
 - Write "Return Receipt Requested" on the mailpiece below the article number.
 - The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
 - 2. ☐ Restricted Delivery
- Consult postmaster for fee.

3. Article Addressed to:

7004 1350 0002 5570 7192

Mr. Dominic Iafrate, President
Angelo's Aggregate Materials, LTD
P O Box 1493
Largo, FL 33771

4b. Service Type

- ☐ Registered ☒ Certified
- ☐ Express Mail ☐ Insured
- ☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

8. Addressee's Address (Only if requested and fee is paid)

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Dept. of Environmental

Florida Department of Environmental Protection

Southwest District

c/o Susan Pelz – Solid Waste

13051 North Telecom Parkway

Temple Terrace, FL 33637-0926

JUN 05 2007

Southwest District





Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

May 31, 2007

CERTIFIED MAIL 7004 1350 0002 5570 7192
RETURN RECEIPT REQUESTED

Angelo's Aggregate Materials, Ltd.
Mr. Dominic Iafrate
P.O. Box 1493
Largo, FL 33779

RE: Enterprise Class III Landfill, Pasco County
Construction permit #177982-008-SC/T3
Operation permit #177982-007-SO/T3

NOTICE OF PERMIT

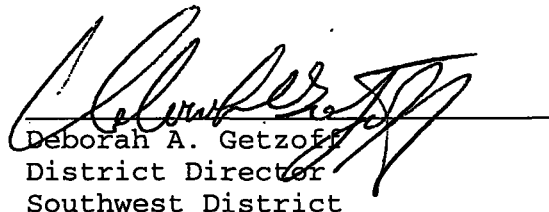
Dear Mr. Iafrate:

Enclosed are **Operation Permit No. 177982-007-SO/T3** and
Construction Permit No. 177982-008-SC/T3, issued pursuant to
Section(s) 403.087(1), Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 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 30 days from the date this Notice is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on May 31, 2007 to the listed persons.

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant
to Section 120.52(10), Florida
Statutes, with the designated
Department, Clerk, receipt of
which is hereby acknowledged.

Anna Blah
Clerk

5/31/2007
Date

DAG/sjp
Attachment

Copies furnished to:

Pasco County Board of County Commissioners
Pasco County Notification List
Donna Huber, Pasco County Development Review, 7530 Little Road, Suite 230, New
Port Richey, FL 34654, w/attachment
John Arnold, P.E., Angelos, PO Box 1493 Largo, Fl. 33779
Dennis Davis, P.E., Jones Edmunds, 730 NE Waldo Rd, Gainesville, Fl. 32641
Pat Comer, FDEP OGC
Richard Tedder, P.E., FDEP Tallahassee (email)
William Kutash, FDEP Tampa (email)
Fred Wick, FDEP, Tallahassee
Douglas Hyman, P.E., FDEP Tampa, ERP (email)
Mara Nasca, FDEP Tampa, Air (email)
Permit Notebook



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE

Angelo's Aggregate Materials, Ltd.
Attn: Mr. Dominic Iafrate, President
P.O. Box 1493
Largo, FL 33779

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
Permit No: **177982-008-SC/T3**
Date of Issue: **05/31/2007**
Expiration Date: **05/31/2012**
County: Pasco
Lat/Long: 28°19'53"
82°08'06"
Sec/Town/Rge: 5 & 8/25S/22E
Project: Enterprise Class III
Landfill and Recycling
Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the construction of:

1. Class III Landfill

Disposal acres	Approx. 60.9 acres (Cells 1-8 and 15) [ref. SC#A.2.c, Sheet C-5]
Lowest Bottom elevation of cell	+80 ft. NGVD (Cell 15) [ref. SC#A.2.c, Sheet C-4]
Top elevation at final buildout (entire landfill-including cover)	max. +175 feet NGVD [ref. SC#A.2.c, Sheet C-12; #A.2.a(1), §3.8.1.]
Sideslopes max.	3H:1V below elevation +125 ft. NGVD, 4H:1V above el. +125 ft. NGVD [ref. SC#A.2.d, Sheets 14, 16 and 17 of 27; #A.2.a(1), §3.8]
Liner system	3 foot-thick clay (bottom only Cells 1-5, 7 and 15; bottom & sides of Cells 6, 8, 9, 10, 11), max. permeability= 1×10^{-8} cm/sec [ref. SC#A.2.a(1), §3.10.2.]
LCS drainage system	none
Design life	3 years (Cells 1-8 and 15), 6 years (Cells 1-11 and 15) [ref. SC#A.2.a(1), Table 3.8],

Replaces Permit No.: 177982-001-SC (including modifications)

This permit contains compliance items summarized in Attachment 1 that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

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:

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:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. 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.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PE. T NO.: 177982-008-SC/T3
Enterprise Class III Landfill

GENERAL CONDITIONS:

15. 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.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

1. **Facility Designation.** This site shall be classified as a Class III landfill for disposal of construction and demolition debris and Class III wastes only, and shall be constructed in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for construction of fill sequences 1 through 7 (shown on Sheet C-5 [ref. SC#A.2.c]) of the Class III landfill and related systems in accordance with Department rules, and the reports, plans and other information prepared by Tetra Tech HAI (TTHAI) and Jones, Edmunds & Associates (JEA) (unless otherwise specified) as follows:

a. Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application, Pasco County, (one 3-ring binder) dated August 2005 (received August 23, 2005), prepared by TTHAI, as revised, replaced or amended (information inserted into original) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 and April 13, 2007 (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and April 18, 2007). This information includes, but is not limited to:

- 1) *Engineering Report, Section 3,*
- 2) *Operations Plan, Appendix 3-A,*
- 3) *Contingency Plan, Appendix 3-B,*
- 4) *Groundwater Monitoring Plan, Section 5,*
- 5) *Reclamation and Closure Plan (including long-term care plan), Section 7;*

b. Responses to Request for Additional Information,... (one 3-ring binder) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 (JEA), and April 13, 2007 (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and April 18, 2007) (replacement pages inserted into original [ref. SC#A.2.a.] as appropriate, other attachments included in this binder);

c. Plan Sheets titled, Angelo's Recycled Materials Enterprise Recycling and Disposal Facility (25 sheets) dated November 2006 (received November 13, 2006), prepared by JEA (note: reduced size set in Attachment 7 of November 2006 submittal by JEA [ref. SC#A.2.b.]);

d. Topographic Surveys (Sheets 1 through 3 of 3, 1 through 6 of 6 and reduced size survey dated March 9, 2006), prepared by Pickett Surveying and Photogrammetry, received November 13, 2006.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

3. Permit Modifications.

a. Any construction, operation or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Any significant changes to the construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit does not authorize construction of disposal Cells 9, 10, 11, 12, 13, 14 or 16. Cells 14 and 16 are authorized to be used as temporary stormwater/leachate control. This permit does not authorize operation.

4. Permit Renewal. No later than October 30, 2011, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10)(b), F.A.C.

5. Professional Certification. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

6. General Conditions. The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

7. Permit Acceptance. By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

8. Regulations. Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

9. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

a. In the event that limestone is encountered during excavation or construction activities, the excavation/construction activities shall cease and the Department shall be notified **within 24 hours of discovery**. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the continued construction and operation of the facility. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b.

d. The lowest cell bottom elevation (Cells 3, 6-11) is approximately **+81.6 feet NGVD** (top of clay in Cell 3). In the event that subsequent groundwater monitoring indicates that the groundwater may adversely impact the clay liner, information that addresses the requirements of Rule 62-701.400(11), F.A.C. shall be submitted for Department review and approval. In the event that corrective actions are required, a permit modification may be required.

SPECIFIC CONDITIONS: PART B - Construction Requirements

1. **Construction.** All construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.

a. This permit authorizes the construction of **Cells 3, 6, 7, and 8** of the Class III disposal facility. This permit does not authorize the **operation** of these Cells. Operation of these Cells shall be in accordance with Operation Permit #177982-007-SO/T3 or its successors.

2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate.

a. **Within sixty (60) days** after the specified construction has been completed, and **prior to the acceptance of waste, for each Cell**, the following activities shall be completed and submitted by the permittee, and shall be approved by the Department:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

2) The permittee shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include, but not be limited to, as-built elevations of the disposal area (surveys), details and elevations of limerock encountered, and other details as appropriate.

3) The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.

4) The professional engineer of record shall submit to the Department a final report to verify conformance with the project specifications including all test results for the development of each cell.

3. **Record Drawings/Documents.**

a. The Record Drawings/Documents shall include, but not be limited to, the following information:

1) Location of all occurrences of limerock;

2) Daily construction reports;

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.3.a., cont'd)

3) Hydraulic Conductivity and % fines test results for the clay layer, figure showing locations of all tests, and documentation demonstrating that the clay layer is a minimum of 3 feet thick after compaction;

4) Copies of photographs documenting all stages of the construction project; and

5) Surveys of the cell floor grading and top of clay layer [ref. SC#A.2.c., Sheet C-4] for the constructed cell (including sideslopes).

b. The Record Documents shall include as-built surveys which demonstrate that the lowest elevation of the cell floor has been constructed no lower than **the elevations shown on sheet C-4** [ref. SC#A.2.c.], or as otherwise approved by the Department.

4. Pre-Construction Submittals.

a. **At least thirty (30) days prior** to initiation of construction activity for each Cell, unless otherwise specified, the permittee shall notify the Department of commencement of construction.

5. Pre-Construction Meeting Notification. Department Solid Waste Permitting staff shall be notified **at least one (1) week prior** to all pre-construction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on-site and discuss all plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department **within two (2) weeks** of the conference.

6. Construction Schedule and Progress Report.

a. **No later than one (1) week after** all pre-construction meetings, the owner or operator shall submit a construction schedule for each Cell which includes estimated dates/timeframes of the construction (initiation and estimated completion) to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.

b. In the event that the construction activities occur over more than 1 month, an updated construction schedule and progress report shall be submitted to the Department **monthly, by the 15th of each month**. The monthly progress report should be submitted in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project. The monthly progress reports shall include, but not be limited to:

1) A narrative explaining the status (and any delays) of major stages of the construction, including occurrences of limerock, sinkholes, soft zones, etc.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.6.b., cont'd)

2) A summary of submittals and change order requests,

3) Weekly progress meeting minutes, if applicable, and

4) Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction.

7. Construction Tolerances.

a. As-built topographic surveys shall demonstrate that the clay liner was constructed within ± 0.1 ft. (vertical).

b. The sand protective layer shall be constructed to a minimum installed thickness of 12 inches.

8. Laboratory and Field Testing Requirements. Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory, independent of the manufacturer or installer, representing the owner. A qualified field technician representing the owner shall provide full time, on-site inspection during construction. The field technician shall work under the supervision of a professional engineer registered in the State of Florida with experience in landfill liner construction.

9. Construction Quality Assurance.

a. The permittee shall have a construction quality assurance plan for construction of the clay liner to provide personnel with adequate information to achieve continuous compliance with the construction requirements. The Construction Quality Assurance Plan shall be in accordance with the conditions of this permit. The professional engineer or his designee shall be on-site at all times during construction to monitor construction activities.

b. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference.

c. Unsatisfactory, defective or non-conforming work shall be reported to the CQA Consultant and Owner and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained onsite for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.2 and #B.3.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.9., cont'd)

d. Construction activities shall not be carried out in non-daylight hours without prior Department approval. If construction will be conducted during nighttime hours, the Department shall be notified **at least 1 week** in advance to allow for Department observation. This notification shall include a description of the methods which will be used to provide adequate illumination to ensure that the quality of the construction is not compromised.

e. All portions of the clay layer/liner construction shall be observed and documented by the CQA Consultant.

f. CQA daily reports shall include weather conditions (e.g., precipitation, temperature).

g. Runoff from stockpiled soils shall not discharge to surface water bodies or wetlands such that Department surface water standards are violated at the point of discharge.

h. All excavations shall be maintained free from standing water. Except for the stormwater management system construction, no construction, including pipe laying, shall be allowed in water. Groundwater shall be maintained at least 12 inches below excavations. In the event that it appears that the excavation is being impacted by groundwater, the contractor shall take the corrective actions necessary to demonstrate that the groundwater is sufficiently below the bottom of the excavation.

10. Soil Materials.

a. Each cell shall be over-excavated to approximately 3 feet below the approved cell bottom grades shown on Sheet C-4 [ref.SC#2.d.]. 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.SC#A.2.a(1),§3.15]. The clayey material shall have a maximum hydraulic conductivity of 1×10^{-8} cm/sec [ref.SC#A.2.a(1),§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 ¼ inch in any dimension, sticks greater than ¼ 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.SC#A.2.a(1),§3.15]. All hydraulic conductivity tests shall have a maximum value of 1×10^{-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.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.10., cont'd)

d. A minimum one-foot thick protective sand layer shall be placed above the clay layer as part of the construction activities.

11. **Geosynthetic Materials.** Geosynthetics are not proposed for this project. In the event that geosynthetics are proposed, a modification of this permit shall be required.

12. **Leachate collection and removal system.**

a. 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 Specific Condition #E.8.c. of Operation permit #177982-007-SO/T3, or its successors.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with Chapter 62-701, F.A.C., and Operation Permit no. #177982-007-SO/T3, or its successors.

b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged to soils, surface water or groundwater during the construction or operation of this facility in any manner that results in violations of Department water quality standards.

2. Operating Personnel. The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.

3. Control of Access. Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C.

4. Monitoring of Waste. No waste shall be accepted in newly constructed Cells until the following requirements have been completed and submitted by the Permittee, and approved by the Department, for the constructed Cell:

a. Certification of Construction Completion requirements of Specific Condition #B.2.,

b. financial assurance requirements of Specific Condition #D.4.c.,

c. construction of groundwater monitoring wells and gas probes as required by Operation Permit no. #177982-007-SO/T3, or its successors, and

d. construction of required portions of the stormwater management system.

5. Control of Nuisance Conditions. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction, operation and closure of this facility so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

6. Facility Maintenance and Repair.

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater/leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.6., cont'd)

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharges, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

c. In the event that any portion of the groundwater monitoring system is damaged, dry, or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

7. Stormwater Management.

a. The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. The stormwater management system shall be inspected for damage and proper operation daily.

SPECIFIC CONDITIONS: PART D - Recordkeeping

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

2. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

3. **Waste Records.** The permittee shall maintain all records required by this permit and the information listed in Specific Condition #A.2., onsite, and shall provide copies to the Department upon request.

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted **annually, by March 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

c. Proof of the initial funding of the financial assurance mechanism shall be submitted **no later than 60 days prior to receipt** of waste in each Cell.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PERMIT NO.: 177982-008-SC/T3
Enterprise Class III Landfill

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. **Water Quality Monitoring.** Water quality shall be monitored in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

1. **Landfill Gas - NSPS and Title V Air Requirements.**
 - a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.
 - b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.
 - c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).
2. **Gas Monitoring and Control.** Landfill gas shall be monitored and controlled as required by Operation Permit #177982-007-SO/T3 or its successors.
3. **Gas Monitoring Locations.**
 - a. Gas monitoring probes shall be located as listed in Operation Permit #177982-007-SO/T3 or its successors, and the conditions of this permit.
4. **Gas Remediation.** In the event that the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off of the landfill site, or greater than 100% at the property boundary, the owner shall submit to the Department, **within 7 days of detection**, a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days of detection** unless otherwise approved by the Department.

SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements

1. Closure Requirements.

a. Long-Term Care Requirements.

- 1) The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.620, F.A.C., and the conditions of Operation Permit #177982-007-SO/T3 or its successors.
- 2) Long-term care includes, but is not limited to, water quality monitoring, gas monitoring, maintenance of the final cover system, maintenance of stormwater management system, erosion control, and the prevention of ponding within disposal areas.

b. Closing Requirements.


- 1) **No later than one hundred eight (180) days** prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

2. Use of Closed Landfill Areas. Prior to implementation, the owner or operator shall submit a plan for any proposed uses of closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use, and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate control, clay liner, stormwater management), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval, and may require a permit modification or separate permit.

3. Final Cover. Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

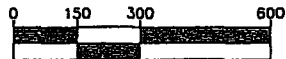
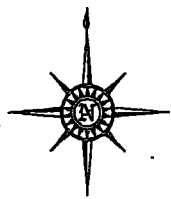


Deborah A. Getzoff
District Director
Southwest District

ATTACHMENT 1

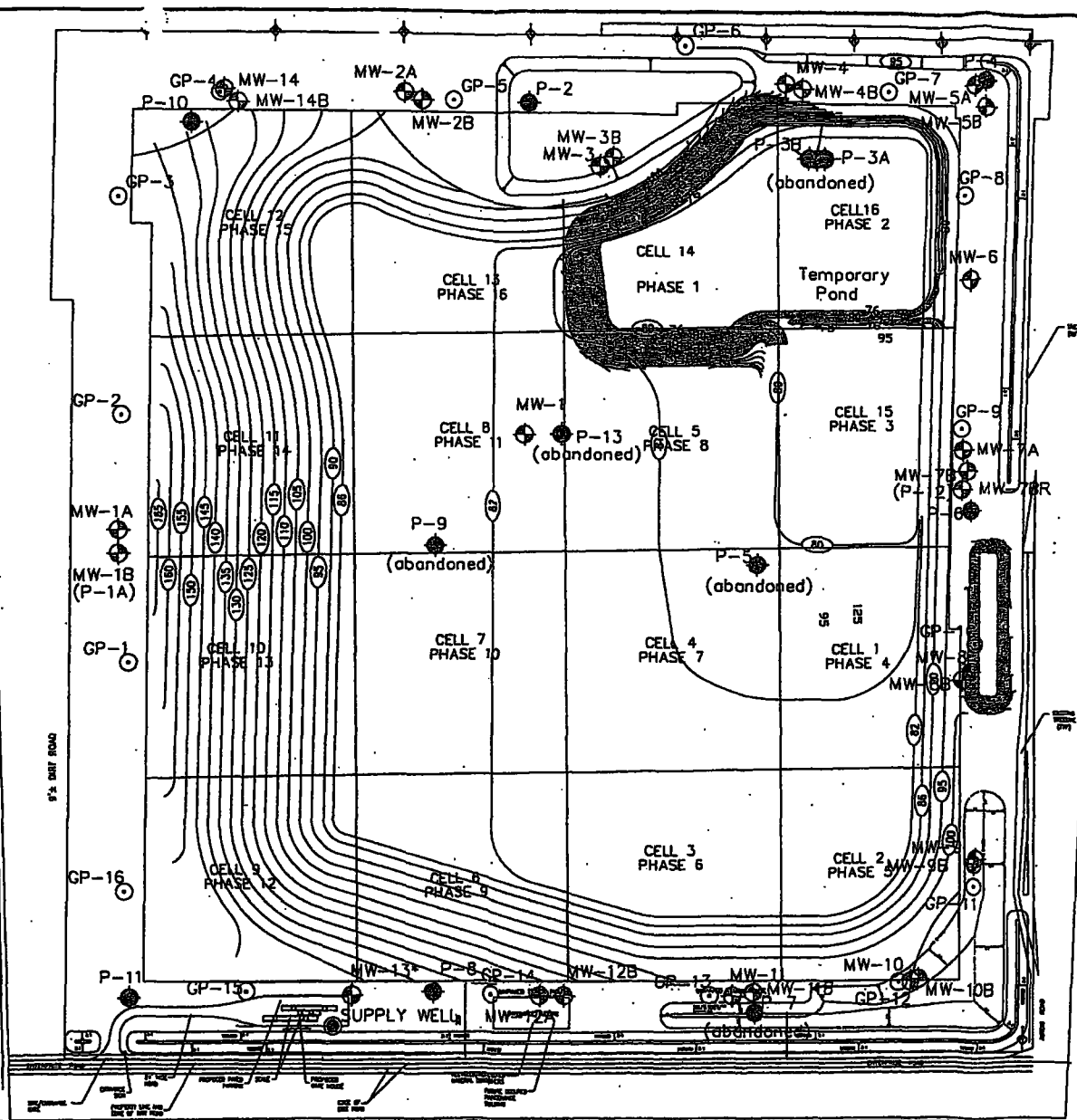
Specific Condition	Submittal Due Date	Required Item
A.4.	180 days prior to permit expiration	Submit permit renewal application
A.9.a.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability Written notification & corrective action plan
B.2.a.	Within 60 days of completion of construction	Submit certification of construction completion, record drawings, etc.
B.4.a.	At least 30 days prior to construction	Notify of construction initiation
B.5.	At least 1 week prior	Notify of preconstruction meeting
B.6.a.	No later than 1 week after pre-construction meeting	Submit meeting minutes
B.6.b.	Monthly, by the 15 th each month	Submit monthly progress report & schedule
B.8.d.	At least 1 week prior	Notify of night work
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for groundwater monitoring system
D.4.a.	Annually, by March 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	No later than 60 days prior to receipt of waste	Submit proof of initial funding

ATTACHMENT 1, cont'd		
Specific Condition	Submittal Due Date	Required Item
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.b(1)	No later than 180 days prior to the date when wastes will no longer be received	Submit Closure Permit application



LEGEND

- MW-1 MONITOR WELL LOCATION
- GP-1 GASPROBE LOCATION
- P-9 PIEZOMETER WELL LOCATION
- SUPPLY WELL



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
NOV 13 2006
SOUTHWEST DISTRICT
TAMPA

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 638-3955 - FAX (407) 638-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

Figure revised 10/06
by Jones Edmunds & Associates

FIGURE
15A
(revised)

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 82-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

MONITOR WELL COMPLETION REPORT

DATE: _____

INSTALLATION NAME: _____

DEP PERMIT NUMBER: _____ GMS NUMBER: _____

WELL NUMBER: _____ WELL NAME: _____

DESIGNATION: Background _____ Immediate _____ Compliance _____

LATITUDE/LONGITUDE: _____

AQUIFER MONITORED: _____

INSTALLATION METHOD: _____

INSTALLED BY: _____

TOTAL DEPTH: _____ DEPTH OF SCREEN: _____ (bls)

SCREEN LENGTH: _____ SCREEN SLOT SIZE: _____ SCREEN TYPE: _____

CASING DIAMETER: _____ CASING TYPE: _____

LENGTH OF CASING: _____ FILTER PACK MATERIAL: _____

TOP OF CASING ELEVATION (MSL): _____

GROUND SURFACE ELEVATION (MSL): _____

COMPLETION DATE: _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): _____

DATE AND TIME MEASURED: _____

REMARKS: (soils information, stratigraphy, etc.): _____

REPORT PREPARED BY: _____
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name _____
Address _____
City _____ Zip _____
Telephone Number () _____
- (2) The GMS Identification Number _____
- (3) DEP Permit Number _____
- (4) Authorized Representative Name _____
Address _____
City _____ Zip _____
Telephone Number () _____
- (5) Type of Discharge _____
- (6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # _____

Analytical Lab Comp QAP # /HRS Certification # _____

 *Comp QAP # /HRS Certification # _____

Lab Name _____

Address _____

Phone Number () _____

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: x DEBORAH A. GETZOFF, District Director

FROM/THROUGH:

William Kutash

Susan Pelz, P.E.

ENVIRONMENTAL ADMINISTRATOR

SOLID WASTE MANAGER

DATE: May 30, 2007

FILE NAME: Enterprise Class III LF

PERMIT #s: 177982-007-SO/T3
177982-008-SC/T3

PROGRAM : Solid Waste

COUNTY : Pasco

TYPE OF PERMIT ACTION:

ISSUE Final permits

PUBLIC NOTICE PERIOD CLOSED? YES PETITION FILED? NO

PERMIT SUMMARY: These permits authorize the renewal of the construction and operation of the Enterprise Class III landfill. The facility accepts Class III waste for disposal.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: The landfill is underlain by a 3-foot, installed clay layer (permeability=1 x 10⁻⁸ cm/sec). The facility has no leachate collection system, but the clay layer is sloped toward the temporary stormwater pond in the northeast corner. In the event that groundwater impacts are observed, the stormwater/leachate pond can be sampled. The applicant has provided the required information and financial assurance.

To 05/31/07: TTH=645 days, TTP=183 days		TTP
Application received	08/23/05	
RAI #1 sent	09/21/05	30
Information rec'd	02/09/06	
RAI #2 sent	03/10/06	30
meeting	03/29/06	
teleconference	06/06/06	
Information rec'd	07/06/06	
RAI #3 sent	08/04/06	30
Information rec'd	11/16/06	
Application complete	11/16/06	
Meeting	02/06/07	83
Waiver rec'd (exp 3/30/07)	02/07/07	
Waiver rec'd (exp 4/20/07)	03/26/07	
Waiver rec'd (exp 4/30/07)	04/13/07	
Additional information received	04/18/07	
Intent sent out (Day 87)	04/27/07	10
Proof of publication rec'd	05/17/07	
Application active	05/31/07	0
Final permit for routing	05/31/07	

DAY 90/30 FOR THIS ACTION IS: ASAP - Day 90=06/02/07

Angelo's Aggregate Materials LTD.

dba Angelo's Recycled Materials
41111 Enterprise Rd
Dade City, FL 33525
Tel: (352)567-7676 Fax: (352)567-9448

May 15, 2007

Ms. Susan Pelz, P.E.
Solid Waste Program Manager
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Dept. of Environmental
Protection

MAY 17 2007

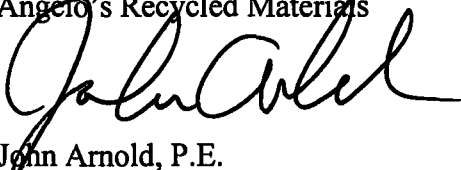
RE: Angelo's Recycled Materials
Class III Facility – Pasco County
Proof of Publication

Southwest District

Dear Ms. Pelz,

The proof of publication required for renewal of the Operations Permit for the referenced facility is enclosed. Please call me at 352-339-1408 if you have any questions.

Sincerely,
Angelo's Recycled Materials



John Arnold, P.E.
Project Manager

xc: Dominic Iafrate, Angelo's Recycled Materials
Jeff Rogers, Angelo's Recycled Materials

The Tampa Tribune

Published Daily

Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough) SS.

Before the undersigned authority personally appeared C. Pugh, who on oath says that she is the Advertising Billing Supervisor of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of the

Dept. of Environmental
Protection

Legal Ads IN THE TT Pasco

In the matter of

Legal Notices

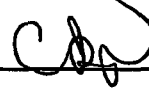
MAY 17 2007

was published in said newspaper in the issues of

05/11/2007

Southwest District

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, this advertisement for publication in the said newspaper.



Sworn to and subscribed by me, this 11 day
of May, A.D. 2007

Personally Known ☒ or Produced Identification ☐
Type of Identification Produced _____



Ana Maria Hodel
Commission #00551367
Expires: MAY 11, 2010
WWW.AARONNOTARY.COM



State of Florida Department of Environmental Protection Notice of Proposed Agency Action on Permit Application

The Department gives notice of its intent to issue a permit to Angelo's Aggregate Materials, LTD., who applied on August 23, 2005 (and submitted additional information on February, July and November 2006 and April 2007), to the Department of Environmental Protection for renewal permits for construction and operation of the existing, Class III landfill, referred to as the Enterprise Class III Landfill, located at 41111 Enterprise Road, Dade City, Pasch County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below, and must be filed (received) in the office of General Counsel of the Department at 3900 Commonwealth Blvd., MS#35, Tallahassee, Florida 32399-3000, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of Department's action, or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the department's action or proposed action; and
- (g) A statement of the relief sought petitioner, stating precisely the action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding. In accordance with the requirements set forth above. Mediation is not available in this proceeding.

Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of this presiding officer upon motion filed pursuant to Rules 62-110.106, 28-106.201, and 28-106.301 F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 13051 N. Telecom Parkway, Temple Terrace, FL 33637-0926.
ZH2126982

5/11/07

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: x DEBORAH A. GETZOFF, District Director

FROM/THROUGH:

William Kutash

Susan Pelz, P.E.

ENVIRONMENTAL ADMINISTRATOR

SOLID WASTE MANAGER

DATE: April 25, 2007

FILE NAME: Enterprise Class III LF

PERMIT #s: 177982-007-SO/T3
177982-008-SC/T3

PROGRAM : Solid Waste

COUNTY : Pasco

TYPE OF PERMIT ACTION:

INTENT to ISSUE

PUBLIC NOTICE PERIOD CLOSED?

PETITION FILED?

PERMIT SUMMARY: These permits authorize the renewal of the construction and operation of the Enterprise Class III landfill. The facility accepts Class III waste for disposal.

PROFESSIONAL RECOMMENDATION: x APPROVE DENY

EVALUATION SUMMARY: The landfill is underlain by a 3-foot, installed clay layer (permeability= 1×10^{-8} cm/sec). The facility has no leachate collection system, but the clay layer is sloped toward the temporary stormwater pond in the northeast corner. In the even that groundwater impacts are observed, the stormwater/leachate pond can be sampled. The applicant has provided the required information and financial assurance.

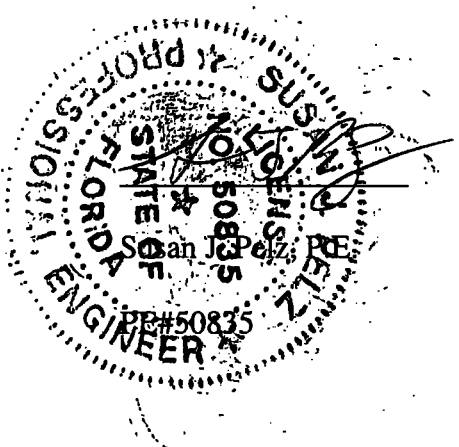
To 04/25/07: TIH=610 days, TTP=181 days		TTP
Application received	08/23/05	
RAI #1 sent	09/21/05	30.
Information rec'd	02/09/06	
RAI #2 sent	03/10/06	30
meeting	03/29/06	
teleconference	06/06/06	
Information rec'd	07/06/06	
RAI #3 sent	08/04/06	30
Information rec'd	11/16/06	
Application complete	11/16/06	
Meeting	02/06/07	83
Waiver rec'd (exp 3/30/07)	02/07/07	
Waiver rec'd (exp 4/20/07)	03/26/07	
Waiver rec'd (exp 4/30/07)	04/13/07	
Additional information received	04/18/07	
Intent routed	04/25/07	8
Proof of publication rec'd		
Application active		
Final permit for routing		

DAY 90/30 FOR THIS ACTION IS: ASAP - waiver expires 4/30/07

CERTIFICATION

Application #177982-008-SC/T3, Enterprise Class III Landfill construction permit renewal

I hereby certify that the engineering features described in the above-referenced application **provide** reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Chapters 62-701, Florida Administrative Code. However, I have not evaluated and I do not certify aspects of the proposal outside my area of expertise (including but not limited to the electrical, mechanical and structural features).



4/25/07
date

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

Dept. of Environmental
Protection

- Print your name, address, and ZIP Code in this box

MAY 07 2003
Florida Department of Environmental Protection
Southwest District
c/o Susan Pelz - Solid Waste
13051 North Telecommunications Parkway
Temple Terrace, FL 33637-0926

Southwest District

R075



7004 1350 0002 5570 7185

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	

Mailed

4-27-2007

Postmark
Here

98

Total Postage

Sent To

Street, Apt. No.,
or PO Box No.
City, State, ZIP

Mr. Dominic Iafrate, President
Angelo's Aggregate Materials, LTD
P O Box 1493
Largo, FL 33771

PS Form 3800, June 2002 See Reverse for Instructions

Intent To Issue Construction and Operation Permits

SENDER: 177982-008-SC/T3 and

- Delete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b. 177982-007-50/T3
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

7004 1350 0002 5570 7185

Mr. Dominic Iafrate, President
Angelo's Aggregate Materials, LTD
P O Box 1493
Largo, FL 33771

4b. Service Type

- ☐ Registered
- ☒ Certified
- ☐ Express Mail
- ☐ Insured
- ☒ Return Receipt for Merchandise
- ☐ COD

5. Date of Delivery

5. Received by: (Print Name)

6. Signature: (Addressee or Agent)

8. Addressee's Address (Only if requested and fee is paid)



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

CERTIFIED MAIL 7004 1350 0002 5570 7185
RETURN RECEIPT REQUESTED

April 27, 2007

Angelo's Aggregate Materials, Ltd.
Mr. Dominic Iafrate
P.O. Box 1493
Largo, FL 33779

RE: Enterprise Class III Landfill, Pasco County
Construction Permit #177982-008-SC/T3
Operation Permit #177982-007-S0/T3

INTENT TO ISSUE

The Department of Environmental Protection hereby gives notice of its Intent to Issue permits (copies attached) for the proposed project as detailed in the application specified above, for the reasons stated below. The applicant, Angelo's Aggregate Materials, Ltd., Mr. Dominic Iafrate, President, applied on August 23, 2005 (and submitted additional information February, July and November 2006 and April 2007), to the Department of Environmental Protection for renewal permits for construction and operation of the existing, Class III landfill, referred to as the Enterprise Class III Landfill, located at 41111 Enterprise Road, Dade City, Pasco County, Florida.

The Department has permitting jurisdiction under 403.707 and 403.861, Florida Statutes, and Rules 62-4 and 62-701, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that site-specific construction and operation permits are required for the proposed work.

The Department intends to issue these permits based on its belief that reasonable assurances have been provided to indicate that the proposed

project will not adversely impact water quality and the proposed project will comply with appropriate provisions of Chapters 62-4, 62-301, 62-330, 62-520, 62-522, and 62-701, F.A.C., subject to the specific conditions attached in the permit. Pursuant to Section 403.815, Florida Statutes and Rule 62-110.106, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on Permit Application. The notice must be published one time only within thirty (30) days of receipt of this intent in the legal ad section of a newspaper of general circulation in the area affected. Proof of publication must be provided to the Department **within seven (7) days** of publication of the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit. The Department will issue the permit with the attached conditions unless petition for administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, Florida Statutes.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any other person must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time

of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

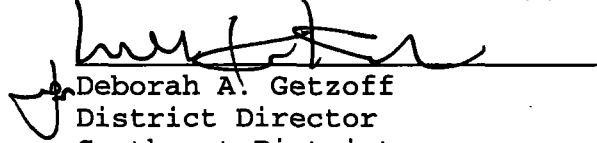
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number, and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take with respect to the action or proposed action addressed in this notice of intent.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation is not available in this

proceeding. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above, and must therefore file their petitions within fourteen days of receipt of this notice of intent.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

DAG/sjp
Attachment

Copies furnished to:

Pasco County Board of County Commissioners
Pasco County Notification List
Donna Huber, Pasco County Development Review, 7530 Little Road, Suite 230, New Port
Richey, FL 34654, w/attachment
John Arnold, P.E., Angelos, PO Box 1493 Largo, FL. 33779
Dennis Davis, P.E., Jones Edmunds, 730 NE Waldo Rd, Gainesville, FL. 32641
Pat Comer, FDEP OGC
Richard Tedder, P.E., FDEP Tallahassee (email)
William Kutash, FDEP Tampa (email)
Fred Wick, FDEP, Tallahassee
Douglas Hyman, P.E., FDEP Tampa, ERP (email)
Mara Nasca, FDEP Tampa, Air (email)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this **NOTICE OF INTENT TO ISSUE** and all copies were mailed before the close of business on April 27, 2007 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to
Section 120.52(11), Florida
Statutes, with the designated
Department Clerk, receipt of which
is hereby acknowledged.

Anna Blach
(Clerk)

04/27/2007
(Date)

State of Florida
Department of Environmental Protection
Notice of Proposed Agency Action on Permit Application

The Department gives notice of its intent to issue a permit to Angelo's Aggregate Materials, Ltd., who applied on August 23, 2005 (and submitted additional information February, July and November 2006 and April 2007), to the Department of Environmental Protection for renewal permits for construction and operation of the existing, Class III landfill, referred to as the **Enterprise Class III Landfill**, located at 41111 Enterprise Road, Dade City, Pasco County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below, and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Blvd., MS#35, Tallahassee, Florida 32399-3000, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitute a waiver any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of Department's action, or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation is not available in this proceeding.

Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rules 62-110.106, 28-106.201, and 28-106.301 F.A.C.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 13051 N. Telecom Parkway, Temple Terrace, Fl. 33637-0926.



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE

Angelo's Aggregate Materials, Ltd.
Attn: Mr. Dominic Iafrate, President
P.O. Box 1493
Largo, FL 33779

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
Permit No: **177982-008-SC/T3**
Date of Issue:
Expiration Date:
County: Pasco
Lat/Long: 28°19'53"N
82°08'06"W
Sec/Town/Rge: 5-6-8/25S/22E
Project: Enterprise Class III
Landfill and Recycling
Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a Class III Landfill subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the construction of:

1. Class III Landfill

Disposal acres	Approx. 60.9 acres (Cells 1-8 and 15) [ref. SC#A.2.c, Sheet C-5]
Lowest Bottom elevation of cell	+80 ft. NGVD (Cell 15) [ref. SC#A.2.c, Sheet C-4]
Top elevation at final buildout (entire landfill including cover)	max. +175 feet NGVD [ref. SC#A.2.c, Sheet C-12; #A.2.a(1), §3.8.1.]
Sideslopes max.	3H:1V below elevation +125 ft. NGVD, 4H:1V above el. +125 ft. NGVD [ref. SC#A.2.d, Sheets 14, 16 and 17 of 27; #A.2.a(1), §3.8]
Liner system	3 foot-thick clay (bottom only Cells 1-5, 7 and 15; bottom & sides of Cells 6, 8, 9, 10, 11), max. permeability= 1×10^{-8} cm/sec [ref. SC#A.2.a(1), §3.10.2.]
LCS drainage system	none
Design life	3 years (Cells 1-8 and 15), 6 years (Cells 1-11 and 15) [ref. SC#A.2.a(1), Table 3.8].

Replaces Permit No.: 177982-001-SC (including modifications)

This permit contains compliance items summarized in Attachment 1 that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

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:

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:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. 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.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PERMIT NO.: 177982-008-SC/T3
Enterprise Class III Landfill

GENERAL CONDITIONS:

15. 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.

DRAFT

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

1. **Facility Designation.** This site shall be classified as a Class III landfill for disposal of construction and demolition debris and Class III wastes only, and shall be constructed in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for construction of fill sequences 1 through 7 (shown on Sheet C-5 [ref. SC#A.2.c]) of the Class III landfill and related systems in accordance with Department rules, and the reports, plans and other information prepared by Tetra Tech HAI (TTHAI) and Jones, Edmunds & Associates (JEA) (unless otherwise specified) as follows:

a. Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application, Pasco County, (one 3-ring binder) dated August 2005 (received August 23, 2005), prepared by TTHAI, as revised, replaced or amended (information inserted into original) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 and April 13, 2007 (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and April 18, 2007). This information includes, but is not limited to:

- 1) *Engineering Report, Section 3,*
- 2) *Operations Plan, Appendix 3-A,*
- 3) *Contingency Plan, Appendix 3-B,*
- 4) *Groundwater Monitoring Plan, Section 5,*
- 5) *Reclamation and Closure Plan (including long-term care plan), Section 7;*

b. Responses to Request for Additional Information,... (one 3-ring binder) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 (JEA), and April 13, 2007 (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and April 18, 2007) (replacement pages inserted into original [ref. SC#A.2.a.] as appropriate, other attachments included in this binder);

c. Plan Sheets titled, Angelo's Recycled Materials Enterprise Recycling and Disposal Facility (25 sheets) dated November 2006 (received November 13, 2006), prepared by JEA (note: reduced size set in Attachment 7 of November 2006 submittal by JEA [ref. SC#A.2.b.]);

d. Topographic Surveys (Sheets 1 through 3 of 3, 1 through 6 of 6 and reduced size survey dated March 9, 2006), prepared by Pickett Surveying and Photogrammetry, received November 13, 2006.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

3. Permit Modifications.

a. Any construction, operation or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Any significant changes to the construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit does not authorize construction of disposal Cells 9, 10, 11, 12, 13, 14 or 16. Cells 14 and 16 are authorized to be used as temporary stormwater/leachate control. This permit does not authorize operation.

4. Permit Renewal. No later than October 30, 2013, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10)(b), F.A.C.

5. Professional Certification. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

6. General Conditions. The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

7. Permit Acceptance. By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

8. Regulations. Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

9. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

a. In the event that limestone is encountered during excavation or construction activities, the excavation/construction activities shall cease and the Department shall be notified **within 24 hours of discovery**. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the continued construction and operation of the facility. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b.

d. The lowest cell bottom elevation (Cells 3, 6-11) is approximately **+81.6 feet NGVD** (top of clay in Cell 3). In the event that subsequent groundwater monitoring indicates that the groundwater may adversely impact the clay liner, information that addresses the requirements of Rule 62-701.400(11), F.A.C. shall be submitted for Department review and approval. In the event that corrective actions are required, a permit modification may be required.

SPECIFIC CONDITIONS: PART B - Construction Requirements

1. **Construction.** All construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.

a. This permit authorizes the construction of **Cells 3, 6, 7, and 8** of the Class III disposal facility. This permit does not authorize the **operation** of these Cells. Operation of these Cells shall be in accordance with Operation Permit #177982-007-SO/T3 or its successors.

2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate.

a. **Within sixty (60) days** after the specified construction has been completed, and **prior to the acceptance of waste, for each cell**, the following activities shall be completed and submitted by the permittee, and shall be approved by the Department:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

2) The permittee shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations. The Record Documents shall include, but not be limited to, as-built elevations of the disposal area (surveys) details and elevations of limerock encountered, and other details as appropriate.

3) The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.

4) The professional engineer of record shall submit to the Department a final report to verify conformance with the project specifications including all test results for the development of each cell.

3. **Record Drawings/Documents.**

a. The Record Drawings/Documents shall include, but not be limited to, the following information:

- 1) Location of all occurrences of limerock;
- 2) Daily construction reports;

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.3.a., cont'd)

3) Hydraulic Conductivity and % fines test results for the clay layer, figure showing locations of all tests, and documentation demonstrating that the clay layer is a minimum of 3 feet thick after compaction;

4) Copies of photographs documenting all stages of the construction project; and

5) Surveys of the cell floor grading and top of clay layer [ref. SC#A.2.c., Sheet C-4] for the constructed cell (including sideslopes).

b. The Record Documents shall include as-built surveys which demonstrate that the lowest elevation of the cell floor has been constructed no lower than the elevations shown on sheet C-4 [ref. SC#A.2.c.], or as otherwise approved by the Department.

4. Pre-Construction Submittals.

a. At least thirty (30) days prior to initiation of construction activity for each Cell, unless otherwise specified, the permittee shall notify the Department of commencement of construction.

5. Pre-Construction Meeting Notification. Department Solid Waste Permitting staff shall be notified at least one (1) week prior to all pre-construction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on-site and discuss all plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department within two (2) weeks of the conference.

6. Construction Schedule and Progress Report.

a. No later than one (1) week after all pre-construction meetings, the owner or operator shall submit a construction schedule for each Cell which includes estimated dates/timeframes of the construction (initiation and estimated completion) to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.

b. In the event that the construction activities occur over more than 1 month, an updated construction schedule and progress report shall be submitted to the Department monthly, by the 15th of each month. The monthly progress report should be submitted in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project. The monthly progress reports shall include, but not be limited to:

1) A narrative explaining the status (and any delays) of major stages of the construction, including occurrences of limerock, sinkholes, soft zones, etc.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.6.b., cont'd)

- 2) A summary of submittals and change order requests,
- 3) Weekly progress meeting minutes, if applicable, and
- 4) Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction.

7. Construction Tolerances.

- a. As-built topographic surveys shall demonstrate that the clay liner was constructed within ± 0.1 ft. (vertical)
- b. The sand protective layer shall be constructed to a minimum installed thickness of 12 inches.

8. Laboratory and Field Testing Requirements. Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory, independent of the manufacturer or installer, representing the owner. A qualified field technician representing the owner shall provide full time, on-site inspection during construction. The field technician shall work under the supervision of a professional engineer registered in the State of Florida with experience in landfill liner construction.

9. Construction Quality Assurance.

- a. The permittee shall have a construction quality assurance plan for construction of the clay liner to provide personnel with adequate information to achieve continuous compliance with the construction requirements. The Construction Quality Assurance Plan shall be in accordance with the conditions of this permit. The professional engineer or his designee shall be on-site at all times during construction to monitor construction activities.
- b. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference.
- c. Unsatisfactory, defective or non-conforming work shall be reported to the CQA Consultant and Owner and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained onsite for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.2 and #B.3.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.9., cont'd)

d. Construction activities shall not be carried out in non-daylight hours without prior Department approval. If construction will be conducted during nighttime hours, the Department shall be notified **at least 1 week** in advance to allow for Department observation. This notification shall include a description of the methods which will be used to provide adequate illumination to ensure that the quality of the construction is not compromised.

e. All portions of the clay layer/liner construction shall be observed and documented by the CQA Consultant.

f. CQA daily reports shall include weather conditions (e.g., precipitation, temperature).

g. Runoff from stockpiled soils shall not discharge to surface water bodies or wetlands such that Department surface water standards are violated at the point of discharge.

h. All excavations shall be maintained free from standing water. Except for the stormwater management system construction, no construction, including pipe laying, shall be allowed in water. Groundwater shall be maintained at least 12 inches below excavations. In the event that it appears that the excavation is being impacted by groundwater, the contractor shall take the corrective actions necessary to demonstrate that the groundwater is sufficiently below the bottom of the excavation.

10. Soil Materials.

a. Each cell shall be over-excavated to approximately 3 feet below the approved cell bottom grades shown on Sheet C-4 [ref. SC#2.d]. 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. SC#A.2.a(1), §3.15]. The clayey material shall have a maximum hydraulic conductivity of 1×10^{-8} cm/sec [ref. SC#A.2.a(1), §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 ¼ inch in any dimension, sticks greater than ¼ 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. SC#A.2.a(1), §3.15]. All hydraulic conductivity tests shall have a maximum value of 1×10^{-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.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.10., cont'd)

d. A minimum one-foot thick protective sand layer shall be placed above the clay layer as part of the construction activities.

11. **Geosynthetic Materials.** Geosynthetics are not proposed for this project. In the event that geosynthetics are proposed, a modification of this permit shall be required.

12. **Leachate collection and removal system.**

a. 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 Specific Condition #E.8.c of Operation permit #177982-007-SO/T3, or its successors.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with Chapter 62-701, F.A.C., and Operation Permit no. #177982-007-SO/T3, or its successors.

b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged to soils, surface water or groundwater during the construction or operation of this facility in any manner that results in violations of Department water quality standards.

2. Operating Personnel. The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.

3. Control of Access. Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C.

4. Monitoring of Waste. No waste shall be accepted in newly constructed Cells until the following requirements have been completed and submitted by the Permittee, and approved by the Department, for the constructed Cell:

a. Certification of Construction Completion requirements of Specific Condition #B.2.,

b. financial assurance requirements of Specific Condition #D.4.c.,

c. construction of groundwater monitoring wells and gas probes as required by Operation Permit no. #177982-007-SO/T3, or its successors, and

d. construction of required portions of the stormwater management system.

5. Control of Nuisance Conditions. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction, operation and closure of this facility so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

6. Facility Maintenance and Repair.

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater/leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.6., cont'd)

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharges, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

c. In the event that any portion of the groundwater monitoring system is damaged, dry, or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

7. Stormwater Management.

a. The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. The stormwater management system shall be inspected for damage and proper operation daily.

SPECIFIC CONDITIONS: PART D - Recordkeeping

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

2. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

3. **Waste Records.** The permittee shall maintain all records required by this permit and the information listed in Specific Condition #A.2., onsite, and shall provide copies to the Department upon request.

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted **annually, by March 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.

c. Proof of the initial funding of the financial assurance mechanism shall be submitted **no later than 60 days prior** to receipt of waste in each Cell.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PERMIT NO.: 177982-008-SC/T3
Enterprise Class III Landfill

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. **Water Quality Monitoring.** Water quality shall be monitored in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

Draft

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

1. Landfill Gas - NSPS and Title V Air Requirements.

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

2. Gas Monitoring and Control. Landfill gas shall be monitored and controlled as required by Operation Permit #177982-007-SO/T3 or its successors.

3. Gas Monitoring Locations.

a. Gas monitoring probes shall be located as listed in Operation Permit #177982-007-SO/T3 or its successors, and the conditions of this permit.

4. Gas Remediation. In the event that the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off of the landfill site, or greater than 100% at the property boundary, the owner shall submit to the Department, **within 7 days of detection**, a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days of detection** unless otherwise approved by the Department.

SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements

1. Closure Requirements.

a. Long-Term Care Requirements.

- 1) The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.620, F.A.C., and the conditions of Operation Permit #177982-007-SO/T3 or its successors.
- 2) Long-term care includes, but is not limited to, water quality monitoring, gas monitoring, maintenance of the final cover system, maintenance of stormwater management system, erosion control, and the prevention of ponding within disposal areas.

b. Closing Requirements.

- 1) **No later than one hundred eighty (180) days** prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

2. Use of Closed Landfill Areas. Prior to implementation, the owner or operator shall submit a plan for any proposed uses of closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use, and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate control, clay liner, stormwater management), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval, and may require a permit modification or separate permit.

3. Final Cover. Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff
District Director
Southwest District


ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	180 days prior to permit expiration	Submit permit renewal application
A.9.a.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability Written notification & corrective action plan
B.2.a.	Within 60 days of completion of construction	Submit certification of construction completion, record drawings, etc.
B.4.a.	At least 30 days prior to construction	Notify of construction initiation
B.5.	At least 1 week prior	Notify of preconstruction meeting
B.6.a.	No later than 1 week after pre-construction meeting	Submit meeting minutes
B.6.b.	Monthly, by the 15 th each month	Submit monthly progress report & schedule
B.8.d.	At least 1 week prior	Notify of night work
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for groundwater monitoring system
D.4.a.	Annually, by March 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	No later than 60 days prior to receipt of waste	Submit proof of initial funding

ATTACHMENT 1, cont'd		
Specific Condition	Submittal Due Date	Required Item
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.b(1)	No later than 180 days prior to the date when wastes will no longer be received	Submit Closure Permit application

Pelz, Susan

From: Dennis Davis [DDavis@jonesedmunds.com]
Sent: Tuesday, April 24, 2007 4:46 PM
To: Pelz, Susan
Cc: john.phillip.arnold@gmail.com
Subject: RE: Enterprise Class III permits
Attachments: 177982-007-SO-T3.doc; 177982-008-SC-T3.doc

4/25/07 1101a
-discussed w/ John Arnold
-change not made
At this time


Susan

Comments are noted as requested. The only issue is the conductivity of the clay. Through the RAI process it was agreed to be 10-8 cm/sec. However, after discussing this with John and reviewing the history of this issue we do not think that this requirement needs to be greater than 10-6 cm/sec. The basis of this requirement is documented below but generally we had a range of conductivities that would be acceptable. We would like to request this one change.

Give me a call if you would like to discuss further. Please let us know your thoughts.

Dennis

- Response to DEP Second Request for Additional Information, June 2006

Response 11.n: To ensure there is a continuous confining layer across the site, a 3-foot compacted clay layer with an average permeability of 1×10^{-8} cm/s is being installed on both the cell floors and exterior cell slopes. The cell bottom will be overexcavated by 3 feet and backfilled with compacted clay up to elevation 80 feet across the cell. The cell floor will not be sloped so the liquid will pond at a constant depth over the cell. This clay layer will act as a continuous clay layer above the foundation soils and limestone to provide a barrier from unimpeded discharge.

A water-balance model was created using Darcy's law to determine the flow through and maximum head of leachate on the clay impedance layer that could occur within a cell (see Attachment 11.n.). Water balance parameters used are consistent with those applied in the HELP model, including runoff, vertical percolation, barrier layer, rainfall, impingement and hydraulic conductivity. To provide a very conservative model it was assumed that the waste is at field capacity and there is no runoff for the first 6 months of operation. From Month 7 of operation through Year 5, filling operations are assumed to take place above grade. Above-grade operations will have weekly and intermediate clay cover, creating runoff with a coefficient of 0.80 and an increased amount of evaporation. After Year 5, when final closure is expected to occur with vegetation, additional evapotranspiration was added to the model. The analysis considered different clay permeability values up to a maximum of 1×10^{-6} cm/s. The lowest permeability investigated was 1×10^{-9} cm/s. With the onsite clays that are used, it is expected that an average permeability of 1×10^{-8} cm/s will be readily achievable and should be the average permeability obtained. The range of acceptable permeability values is 1×10^{-6} cm/s to 1×10^{-9} cm/s based on the maximum head on the cell floor.

The resulting maximum head on the liner was calculated to be 35.55 inches and occurs in Month 6. After clay cover is placed on the side slopes and the active area can be graded to promote runoff and decrease infiltration, the head begins to dissipate over time. No leachate collection and removal is necessary. A minimum 4-foot berm of compacted clay will be constructed between the bottom edge of active working face and the adjacent future cells. This berm is designed to contain the maximum calculated head on the clay layer, allowing at least 1 foot of freeboard, for permeability conditions in the range greater than or equal to 1×10^{-9} cm/s.

See Attachment 11.n for details on the chosen parameters, method of analysis, and results.

Response 11.c: According to the Pasco County Mining Permit, slopes will be excavated at 6H:1V for

5/30/2007

mining purposes until landfill cell construction commences; at which point the slopes will be excavated to 2H:1V. Cell slopes will be at 2H:1V. This inconsistency has been clarified in the revised Engineering Report (Appendix B). Cell slopes are the slopes from where the soil materials are excavated.

A 3-foot-thick clay barrier layer will be placed on the cell bottom and the cell's subsurface side slopes (maximum slope of 2H:1V). The compacted clay layer will have a hydraulic conductivity no greater than 10^{-8} cm/s. Due to the steepness of the slope, clay placement and compaction will require a gradual process consisting of several lifts per cell. The side slopes will be stepped up progressively until the side slope extends to the ground surface and edge of waste. In order to achieve the required compaction and hydraulic conductivity, as well as to achieve a constant 3 feet of clay along the slope, each lift along the cell subsurface side slope may need to exceed 3 feet to accommodate the compacting equipment. Soil in excess of 3 feet can be removed after compaction and testing. Clay on interior side slopes may be removed after contiguous cell bottoms and side slopes are constructed. See Drawing Sheet C-27 for typical disposal area detail.

- Response to DEP Third Request for Additional Information, November 2006

Comment 9.h.2: Response 11.n. indicates that the compacted 3-ft. clay layer will have "an average permeability of 1×10^{-8} cm/sec.... The range of acceptable permeability values is 1×10^{-6} cm/sec to 1×10^{-9} cm/sec...." However, Response #11.c (3) states, "the compacted clay layer will have a hydraulic conductivity no greater than 10^{-8} cm/sec." Please specify the required hydraulic conductivity of the compacted clay layer.

Response 9.h.2: For clarification, the required hydraulic conductivity of the compacted clay shall be no greater than 1×10^{-8} cm/sec. This is due to the revised bottom grade design (see Response 9.h.4). Please disregard the previous statement, "The range of acceptable permeability values is 1×10^{-6} cm/sec to 1×10^{-9} cm/sec."

- Response to DEP Request for Supplemental Information, April 2006

Comment 11: Section 3.7: Provide justification for the permeability of 10^{-6} cm/sec, as opposed to 10^{-8} .

Response 11: As discussed in Response 9.h.2 of the Response to FDEP Third RAI, dated and signed November 8, 2006, the required hydraulic conductivity of the compacted clay shall be no greater than 1×10^{-8} cm/s. Section 3.7 of the Engineering Report has been revised accordingly and is provided as Attachment 9.

From: Pelz, Susan [mailto:Susan.Pelz@dep.state.fl.us]
Sent: Thursday, April 19, 2007 4:58 PM
To: john.phillip.arnold@gmail.com
Cc: Dennis Davis
Subject: Enterprise Class III permits

John,

Please find attached DRAFT operation and construction permits for the Enterprise Class III. Please provide your comments to me via email by COB Tuesday next week (4/24). You can provide a tracked changes version of the word document with your proposed changes along with your comments.

If you have extensive comments, please provide an extension for the waiver so we have time to discuss & resolve any questions.

5/30/2007

Thanks,

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us
<<177982-008-SC-T3.doc>> <<177982-007-SO-T3.doc>>

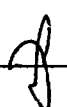
5/30/2007

Memorandum

Florida Department of
Environmental Protection
Solid Waste Section

TALLAHASSEE SOLID WASTE PROGRAM
PERMIT APPLICATION/TECHNICAL SUBMITTAL/DOCUMENT FORWARDING MEMO

TO:	X	Richard Tedder, P.E. Solid Waste Program Administrator
		Lee Martin, P.E., Solid Waste Section, FDEP Tallahassee
		Fred Wick, Solid Waste Section, FDEP Tallahassee
		Jan Rae Clark, Solid Waste Section, FDEP Tallahassee
		Francine Joyal, Solid Waste Section, FDEP Tallahassee
		Chris McGuire, Solid Waste Program Attorney, OGC

DATE: 04/²⁴~~18~~/07 

The following attached permit application/ technical submittal/document(s) are being forwarded from the Southwest District Solid Waste Program to the Tallahassee Solid Waste Program:

DOCUMENT/SUBMITTAL

Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application, prepared by Tetra Tech HAI

1- three-ring binder,
1 set plans
(7 sheets)

DATE
August 2005
(rec'd 8/23/05)

Angelo's Aggregate Materials, Ltd., Enterprise Recycling & Disposal Class III Landfill,... prepared by Tetra Tech HAI

Unbound document,
1 set plans
(5 sheets)

February 8, 2006
(rec'd 2/9/06)

Enterprise Class III Landfill Permit Renewal, Pasco County, Response to DEP Second Request for Additional Information, prepared by Jones Edmunds

1- three-ring binder,
1 set plans
(21 sheets)

June 2006
(rec'd 7/06/06)

Enterprise Class III Landfill Permit Renewal, Pasco County, Response to DEP Third Request for Additional Information, prepared by Jones Edmunds

1- three-ring binder,
1 set plans
(25 sheets),
1 set surveys
(9 sheets)

November 2006
(rec'd 11/13/06)

Angelo's Class III Operations Permit Renewal Request for Supplemental Information, prepared by Jones Edmunds

Unbound document

April 13, 2007
(rec'd April 18, 2007)

COPY/FYI ONLY X

FOR YOUR REVIEW _____

FOR YOUR REVIEW & COMMENT _____ BY _____

Pelz, Susan

From: Pelz, Susan
Sent: Thursday, April 19, 2007 4:58 PM
To: john.phillip.arnold@gmail.com
Cc: Dennis Davis
Subject: Enterprise Class III permits

Attachments: 177982-008-SC-T3.doc; 177982-007-SO-T3.doc

John,

Please find attached DRAFT operation and construction permits for the Enterprise Class III. Please provide your comments to me via email by COB Tuesday next week (4/24). You can provide a tracked changes version of the word document with your proposed changes along with your comments.

If you have extensive comments, please provide an extension for the waiver so we have time to discuss & resolve any questions.

Thanks,
If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, FL 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us



177982-008-S 177982-007-S
-T3.doc (163 KB) -T3.doc (255 KB)

PERMITTEE

Angelo's Aggregate Materials, Ltd.
 Mr. Dominic Iafrate, President
 P.O. Box 1493
 Largo, FL 33779

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
 Permit No: **177982-008-SC/T3**
 Date of Issue:
 Expiration Date:
 County: Pasco
 Lat/Long: 28°19'53"
 82°08'06"
 Sec/Town/Rge: 5 & 8/25S/22E
 Project: Enterprise Class III
 Landfill and Recycling
 Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the construction of:

1. Class III Landfill

Disposal acres	Approx. 60.9 acres (Cells 1-8 and 15) [ref. SC#A.2.c, Sheet C-5]
Lowest Bottom elevation of cell	+80 ft. NGVD (Cell 15) [ref. SC#A.2.c, Sheet C-4]
Top elevation at final buildout (entire landfill-including cover)	max. +170 feet NGVD [ref. SC#A.2.c. Sheet C-12]
Sideslopes max.	3H:1V [ref. SC#A.2.d., Sheets 14, 16 and 17 of 27]
Liner system	3 foot-thick clay, max. permeability= 1×10^{-8} cm/sec [ref. SC#A.2.a(1), §3.10.2.]
LCS drainage system	none
Design life	3 years (Cells 1-8 and 15), 6 years (Cells 1-11 and 15) [ref. SC#A.2.a(1), Table 3.8],

Replaces Permit No.: 177982-001-SC (including modifications)

This permit contains compliance items summarized in Attachment 1 that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

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:

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.
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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:

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:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. 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.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

**PERMIT NO.: 177982-008-SC/T3
Enterprise Class III Landfill**

GENERAL CONDITIONS:

15. 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.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

1. **Facility Designation.** This site shall be classified as a Class III landfill for disposal of construction and demolition debris and Class III wastes only, and shall be constructed in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522, 62-550, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for construction of fill sequences 1 through 7 (shown on Sheet C-5 [ref. SC#A.2.c]) of the Class III landfill and related systems in accordance with Department rules, and the reports, plans and other information prepared by Tetra Tech HAI (TTHAI) and Jones, Edmunds & Associates (JEA) (unless otherwise specified) as follows:

a. Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application, Pasco County, (one 3-ring binder) dated August 2005 (received August 23, 2005), prepared by TTHAI, as revised, replaced or amended (information inserted into original) dated February 8, 2006 (TTHAI), June 2006 (JEA) and November 2006 (JEA) (received February 9, 2006, July 6, 2006, and November 13, 2006). This information includes, but is not limited to:

- 1) *Engineering Report, Section 3,*
- 2) *Operations Plan, Appendix 3-A,*
- 3) *Contingency Plan, Appendix 3-B,*
- 4) *Groundwater Monitoring Plan, Section 5,*
- 5) *Reclamation and Closure Plan (including long-term care plan), Section 7;*

b. Responses to Request for Additional Information, (one 3-ring binder) dated February 8, 2006 (TTHAI), June 2006 (JEA), November 2006 (JEA), and _____ (JEA) (received February 9, 2006, July 6, 2006, November 13, 2006 and _____) (replacement pages inserted into original [ref. SC#A.2.a.] as appropriate, other attachments included in this binder);

c. Plan Sheets titled, Angelo's Recycled Materials Enterprise Recycling and Disposal Facility (25 sheets) dated November 2006 (received November 13, 2006), prepared by JEA (note: reduced size set in Attachment 7 of November 2006 submittal by JEA [ref. SC#A.2.b.]);

d. Topographic Surveys (Sheets 1 through 3 of 3, 1 through 6 of 6 and reduced size survey dated March 9, 2006), prepared by Pickett Surveying and Photogrammetry, received November 13, 2006.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

3. Permit Modifications.

a. Any construction, operation or other activities not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Any significant changes to the construction or operation at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit does not authorize construction of disposal Cells 9, 10, 11, 12, 13, 14 or 16. Cells 14 and 16 are authorized to be used as temporary stormwater/leachate control. This permit does not authorize operation.

4. Permit Renewal. No later than one hundred eighty (180) days before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10)(b), F.A.C.

5. Professional Certification. Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

6. General Conditions. The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

7. Permit Acceptance. By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

8. Regulations. Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

SPECIFIC CONDITIONS: PART A -Solid Waste Facility General Requirements

9. **Prohibitions.** The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

a. In the event that limestone is encountered during excavation or construction activities, the excavation/construction activities shall cease and the Department shall be notified **within 24 hours of discovery**. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the continued construction and operation of the facility. Excavation or construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.

b. In the event that surface depressions or other occurrences which may be indicative of sinkhole activity or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b. The written notification shall include a description of the incident, the location and size of the affected area shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b.

d. The lowest cell bottom elevation (Cells 3, 6-11) is approximately **+81.6 feet NGVD** (top of clay in Cell 3). In the event that subsequent groundwater monitoring indicates that the groundwater may adversely impact the clay liner, information that addresses the requirements of Rule 62-701.400(11), F.A.C. shall be submitted for Department review and approval. In the event that corrective actions are required, a permit modification may be required.

SPECIFIC CONDITIONS: PART B - Construction Requirements

1. **Construction.** All construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.

a. This permit authorizes the construction of **Cells 3, 6, 7, and 8** of the Class III disposal facility. This permit does not authorize the **operation** of these Cells. Operation of these Cells shall be in accordance with Operation Permit #177982-007-SO/T3 or its successors.

2. **Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate.

a. **Within sixty (60) days** after the specified construction has been completed, and **prior to the acceptance of waste, for each Cell**, the following activities shall be completed and submitted by the permittee, and shall be approved by the Department:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

2) The permittee shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include, but not be limited to, as-built elevations of the disposal area (surveys), details and elevations of limerock encountered, and other details as appropriate.

3) The owner or operator shall submit a narrative indicating all changes in plans, the cause of the deviations, and certification of the Record Drawings/Documents by the Engineer to the Department.

4) The professional engineer of record shall submit to the Department a final report to verify conformance with the project specifications including all test results for the development of each cell.

3. **Record Drawings/Documents.**

a. The Record Drawings/Documents shall include, but not be limited to, the following information:

- 1) Location of all occurrences of limerock;
- 2) Daily construction reports;

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.3.a., cont'd)

3) Hydraulic Conductivity and % fines test results for the clay layer, figure showing locations of all tests, and documentation demonstrating that the clay layer is a minimum of 3 feet thick after compaction;

4) Copies of photographs documenting all stages of the construction project; and

5) Surveys of the cell floor grading and top of clay layer [ref. SC#A.2.c., Sheet C-4] for the constructed cell (including sideslopes).

b. The Record Documents shall include as-built surveys which demonstrate that the lowest elevation of the cell floor has been constructed no lower than **the elevations shown on sheet C-4** [ref. SC#A.2.c.], or as otherwise approved by the Department.

4. Pre-Construction Submittals.

a. **At least thirty (30) days prior** to initiation of construction activity for each Cell, unless otherwise specified, the permittee shall notify the Department of commencement of construction.

5. Pre-Construction Meeting Notification. Department Solid Waste Permitting staff shall be notified **at least one (1) week prior** to all pre-construction meetings. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on-site and discuss all plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department **within two (2) weeks** of the conference.

6. Construction Schedule and Progress Report.

a. **No later than one (1) week after** all pre-construction meetings, the owner or operator shall submit a construction schedule for each Cell which includes estimated dates/timeframes of the construction (initiation and estimated completion) to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained.

b. In the event that the construction activities occur over more than 1 month, an updated construction schedule and progress report shall be submitted to the Department **monthly, by the 15th of each month**. The monthly progress report should be submitted in an appropriately labeled three-ring binder of sufficient size to store the monthly progress reports for the entire project. The monthly progress reports shall include, but not be limited to:

1) A narrative explaining the status (and any delays) of major stages of the construction, including occurrences of limerock, sinkholes, soft zones, etc.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.6.b., cont'd)

2) A summary of submittals and change order requests,

3) Weekly progress meeting minutes, if applicable, and

4) Color copies of photographs which are representative of the typical construction activities for the reporting period, and photographs which show overall views and details of major stages of construction.

7. Construction Tolerances.

a. As-built topographic surveys shall demonstrate that the clay liner was constructed within ± 0.1 ft. (vertical).

b. The sand protective layer shall be constructed to a minimum installed thickness of 12 inches.

8. Laboratory and Field Testing Requirements. Field and laboratory testing during the construction activities shall be conducted by a qualified testing laboratory, independent of the manufacturer or installer, representing the owner. A qualified field technician representing the owner shall provide full time, on-site inspection during construction. The field technician shall work under the supervision of a professional engineer registered in the State of Florida with experience in landfill liner construction.

9. Construction Quality Assurance.

a. The permittee shall have a construction quality assurance plan for construction of the clay liner to provide personnel with adequate information to achieve continuous compliance with the construction requirements. The Construction Quality Assurance Plan shall be in accordance with the conditions of this permit. The professional engineer or his designee shall be on-site at all times during construction to monitor construction activities.

b. A complete set of construction drawings and shop drawings, which include daily additions, deletions and revisions, shall be maintained on-site at all times for reference.

c. Unsatisfactory, defective or non-conforming work shall be reported to the CQA Consultant and Owner and shall be corrected, or the reasons for not correcting the work shall be recorded and maintained onsite for reference and inspections. Documentation of the corrections or reasons for not correcting the work shall be submitted with the Record Documents required by Specific Conditions #B.2 and #B.3.

SPECIFIC CONDITIONS: PART B - Construction Requirements

(Specific Condition #B.9., cont'd)

d. Construction activities shall not be carried out in non-daylight hours without prior Department approval. If construction will be conducted during nighttime hours, the Department shall be notified **at least 1 week** in advance to allow for Department observation. This notification shall include a description of the methods which will be used to provide adequate illumination to ensure that the quality of the construction is not compromised.

e. All portions of the clay layer/liner construction shall be observed and documented by the CQA Consultant.

f. CQA daily reports shall include weather conditions (e.g., precipitation, temperature).

g. Runoff from stockpiled soils shall not discharge to surface water bodies or wetlands such that Department surface water standards are violated at the point of discharge.

h. All excavations shall be maintained free from standing water. Except for the stormwater management system construction, no construction, including pipe laying, shall be allowed in water. Groundwater shall be maintained at least 12 inches below excavations. In the event that it appears that the excavation is being impacted by groundwater, the contractor shall take the corrective actions necessary to demonstrate that the groundwater is sufficiently below the bottom of the excavation.

10. Soil Materials.

a. Each cell shall be over-excavated to approximately 3 feet below the approved cell bottom grades shown on Sheet C-4 [ref.SC#2.d.]. A minimum thickness of 3 feet of clayey material, shall be compacted in the bottom and perimeter slopes of each cell. The clayey material shall have a maximum hydraulic conductivity of 1×10^{-8} cm/sec [ref. SC#A.2.a(1), §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 ¼ inch in any dimension, sticks greater than ¼ inch in diameter, calcareous deposits or any other deleterious material.

c. A minimum one-foot thick protective sand layer shall be placed above the clay layer as part of the construction activities.

d. Hydraulic conductivity and % fines tests shall be taken at a frequency of two per acre for each lift. All hydraulic conductivity tests shall have a maximum value of 1×10^{-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.

SPECIFIC CONDITIONS: PART B - Construction Requirements

11. **Geosynthetic Materials.** Geosynthetics are not proposed for this project. In the event that geosynthetics are proposed, a modification of this permit shall be required.

12. **Leachate collection and removal system.**

a. 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 Specific Condition #E.8.c. of Operation permit #177982-007-SO/T3, or its successors.

SPECIFIC CONDITIONS: PART C - Operation Requirements

1. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with Chapter 62-701, F.A.C., and Operation Permit no. #177982-007-SO/T3, or its successors.

b. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged to soils, surface water or groundwater during the construction or operation of this facility in any manner that results in violations of Department water quality standards.

2. Operating Personnel. The owner or operator shall provide adequate personnel for constructing, operating, monitoring and maintaining the facility in an orderly, safe, and sanitary manner.

3. Control of Access. Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C.

4. Monitoring of Waste. No waste shall be accepted in newly constructed Cells until the following requirements have been completed and submitted by the Permittee, and approved by the Department, for the constructed Cell:

a. Certification of Construction Completion requirements of Specific Condition #B.2.,

b. financial assurance requirements of Specific Condition #D.4.c.,

c. construction of groundwater monitoring wells and gas probes as required by Operation Permit no. #177982-007-SO/T3, or its successors, and

d. construction of required portions of the stormwater management system.

5. Control of Nuisance Conditions. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the construction, operation and closure of this facility so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

6. Facility Maintenance and Repair.

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater/leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.6., cont'd)

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharges, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs.

Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence. Routine maintenance does not require notification but shall be noted on daily reports.

c. In the event that any portion of the groundwater monitoring system is damaged, dry, or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

7. Stormwater Management.

a. The site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., and the requirements for management and storage of surface water in accordance with Rule 62-701.500(10), F.A.C., to meet applicable standards of Chapters 62-3, 62-302, and 62-330, F.A.C. The stormwater management system shall be inspected for damage and proper operation daily.

SPECIFIC CONDITIONS: PART D - Recordkeeping

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.
2. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.
3. **Waste Records.** The permittee shall maintain all records required by this permit and the information listed in Specific Condition #A.2., onsite, and shall provide copies to the Department upon request.
4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.
 - a. All costs for closure shall be adjusted and submitted **annually, by March 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.
 - b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, MS#4565, Tallahassee, Florida 32399-2400.
 - c. Proof of the initial funding of the financial assurance mechanism shall be submitted **no later than 60 days prior to receipt of waste in each Cell.**

PERMITTEE: Angelo's Aggregate Materials, Ltd.

**PERMIT NO.: 177982-008-SC/T3
Enterprise Class III Landfill**

SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements

1. **Water Quality Monitoring.** Water quality shall be monitored in accordance with Operation Permit #177982-007-SO/T3, or its successors, or as otherwise approved by the Department.

SPECIFIC CONDITIONS: PART F - Landfill Gas Management

1. Landfill Gas - NSPS and Title V Air Requirements.

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

2. Gas Monitoring and Control. Landfill gas shall be monitored and controlled as required by Operation Permit #177982-007-SO/T3 or its successors.

3. Gas Monitoring Locations.

a. Gas monitoring probes shall be located as listed in Operation Permit #177982-007-SO/T3 or its successors, and the conditions of this permit.

4. Gas Remediation. In the event that the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off of the landfill site, or greater than 100% at the property boundary, the owner shall submit to the Department, **within 7 days of detection**, a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days of detection** unless otherwise approved by the Department.

SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements

1. Closure Requirements.

a. Long-Term Care Requirements.

1) The owner or operator shall perform long-term care for the site in accordance with Rule 62-701.620, F.A.C., and the conditions of Operation Permit #177982-007-SO/T3 or its successors.

2) Long-term care includes, but is not limited to, water quality monitoring, gas monitoring, maintenance of the final cover system, maintenance of stormwater management system, erosion control, and the prevention of ponding within disposal areas.

b. Closing Requirements.

1) **No later than one hundred eight (180) days** prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, in order to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.

2. Use of Closed Landfill Areas. Prior to implementation, the owner or operator shall submit a plan for any proposed uses of closed portions of the landfill to the Department for approval. This plan shall include a description of the proposed use, and evaluation of the impact on the existing landfill systems (e.g. final cover, leachate control, clay liner, stormwater management), engineering designs, calculations and plans as appropriate, etc. The proposed activity shall not be initiated without prior Department approval, and may require a permit modification or separate permit.

3. Final Cover. Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff
District Director
Southwest District

ATTACHMENT 1		
Specific Condition	Submittal Due Date	Required Item
A.4.	180 days prior to permit expiration	Submit permit renewal application
A.9.a.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability Written notification & corrective action plan
B.2.a.	Within 60 days of completion of construction	Submit certification of construction completion, record drawings, etc.
B.4.a.	At least 30 days prior to construction	Notify of construction initiation
B.5.	At least 1 week prior	Notify of preconstruction meeting
B.6.a.	No later than 1 week after pre-construction meeting	Submit meeting minutes
B.6.b.	Monthly, by the 15 th each month	Submit monthly progress report & schedule
B.8.d.	At least 1 week prior	Notify of night work
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for groundwater monitoring system
D.4.a.	Annually, by March 1 st each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding
D.4.c.	No later than 60 days prior to receipt of waste	Submit proof of initial funding

ATTACHMENT 1, cont'd		
Specific Condition	Submittal Due Date	Required Item
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.b(1)	No later than 180 days prior to the date when wastes will no longer be received	Submit Closure Permit application

ANGELO'S RECYCLED MATERIAL'S
41111 ENTERPRISE ROAD
DADE CITY, FL. 33525
PHONE: 352-567-7676
FAX: 352-567-9448 SCALEHOUSE

FACSIMILE TRANSMITTAL SHEET

TO:	Susan Pelz	FROM:	John Arnold
COMPANY:	FOEP	DATE:	4/13/07
FAX NUMBER:	813.632.7665	TOTAL NO. OF PAGES INCLUDING COVER:	2
PHONE NUMBER:		SENDER'S REFERENCE NUMBER:	
RE:		YOUR REFERENCE NUMBER:	352-567-7676

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

WAIVER OF 90 DAY TIME LIMIT
UNDER SECTIONS 120.60(2) AND 403.0876, FLORIDA STATUTES

Permit Application Nos. 177982-008-SC/T3 and 177982-007-
SO/T3, Enterprise Class III landfill

Applicant's Name: Angelo's Recycled Materials

With regard to the above referenced application, the applicant hereby with full knowledge and understanding of the applicant's rights under Sections 120.60(2) and 403.0876, Florida Statutes, waives the right to have the application approved or denied by the State of Florida Department of Environmental Protection within the 90 day time period prescribed by law. Said waiver is made freely and voluntarily by the applicant with full knowledge and without any pressure or coercion by anyone employed by the State of Florida Department of Environmental Protection.

This waiver shall expire on the 30 day of April 2007.

The undersigned is authorized to make this waiver on behalf of the applicant.



Signature.

John Arnold

Name (Please Type or Print)

ANGELO'S RECYCLED MATERIAL'S
41111 ENTERPRISE ROAD
DADE CITY, FL. 33525
PHONE: 352-567-7676
FAX: 352-567-9448 SCALEHOUSE

FACSIMILE TRANSMITTAL SHEET

TO:	Susan Pelz	FROM:	John Arnold
COMPANY:	FNEP	DATE:	3/26/07
FAX NUMBER:	813.632.7665	TOTAL NO. OF PAGES INCLUDING COVER:	2
PHONE NUMBER:		SENDER'S REFERENCE NUMBER:	
RE:		YOUR REFERENCE NUMBER:	352-567-7676

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Enterprise Class III Extension

WAIVER OF 90 DAY TIME LIMIT
UNDER SECTIONS 120.60(2) AND 403.0876, FLORIDA STATUTES

Permit Application Nos. 177982-008-SC/T3 and 177982-007-
SO/T3, Enterprise Class III landfill

Applicant's Name: Angelo's Recycled Materials

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This waiver shall expire on the 20 day of April 2007.

The undersigned is authorized to make this waiver on behalf of the applicant.


Signature

John Arnold
Name (Please Type or Print)

WAIVER OF 90 DAY TIME LIMIT
UNDER SECTIONS 120.60(2) AND 403.0876, FLORIDA STATUTES

Permit Application Nos. 177982-008-SC/T3 and 177982-007-
SO/T3, Enterprise Class III landfill

Applicant's Name: Angelo's Recycled Materials

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This waiver shall expire on the 30 day of March 2007.

The undersigned is authorized to make this waiver on behalf of the applicant.



Signature

John Arnold

Name (Please Type or Print)

Pelz, Susan

From: John Arnold [john.phillip.arnold@gmail.com]
Sent: Wednesday, February 07, 2007 9:56 AM
To: Pelz, Susan
Subject: Angelo's Recycled Materials Class III Landfill

Sue,

As we discussed earlier this week, Angelo's does not expect to construct Cells 9, 10, or 11 of the Class III landfill within the next 15 years. We plan to submit a major permit modification to the FDEP in 2007 that modifies the cell sequence. The modification will propose moving fill operations to the property north of the current fill areas prior to moving west, into cells 9 - 11. We will revise the geotechnical slope stability calculations related to the west slope of cells 9-11 with the major modification package. Please let me know if you have any questions or require any additional information at this time.

Thanks

--

John Arnold, P.E.
Angelo's Recycled Materials
Mob. 352.339.1408
Tel. 813.477.1719
Fax. 352.567.9448

2/7/2007



November 10, 2006

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
NOV 13 2006
SOUTHWEST DISTRICT
TAMPA

Ms. Susan Pelz
Solid Waste Section
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637

RE: Angelo's Recycled Materials Enterprise Class III Landfill
Operation Permit Renewal Application
Response to 3rd Request for Additional Information
Jones Edmunds Project No. 01030-005-01

Dear Ms. Pelz:

This letter has been prepared to transmit to you the response to the FDEP third request for additional information for the Angelo's Recycled Materials Enterprise Class III Landfill permit renewal. Enclosed you will find four copies of the response documents and associated drawings.

Please contact me if you have any questions regarding this submittal package.

Sincerely,

Mark G. Roberts, P.E.
Project Manager

M:\01030-AngelosRecycled\005-01-RAI3ClassIII\2006-11-09-Ltr-SPelz-DEP-RAI3.doc

Enclosures

xc: Dominic Iafrate (Angelo's Recycled Materials)
John Arnold (Angelo's Recycled Materials)

730 NE Waldo Rd
Gainesville, FL 32641

352.377.5821 Phone
352.377.3166 Fax
www.jonesedmunds.com



November 10, 2006

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

NOV 13 2006

SOUTHWEST DISTRICT
TAMPA

Ms. Susan Pelz
Solid Waste Section
Florida Department of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637

RE: Angelo's Recycled Materials Enterprise Class III Landfill
Operation Permit Renewal Application
Response to 3rd Request for Additional Information
Jones Edmunds Project No. 01030-005-01

Dear Ms. Pelz:

This letter has been prepared to transmit to you the response to the FDEP third request for additional information for the Angelo's Recycled Materials Enterprise Class III Landfill permit renewal. Enclosed you will find four copies of the response documents and associated drawings.

Please contact me if you have any questions regarding this submittal package.

Sincerely,

Mark G. Roberts, P.E.
Project Manager

M:\01030-AngelosRecycled\005-01-RA\3ClassIII\2006-11-09-Ltr-SPelz-DEP-RA\3.doc

Enclosures

xc: Dominic Iafrate (Angelo's Recycled Materials)
John Arnold (Angelo's Recycled Materials)

730 NE Waldo Rd
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FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
NOV 13 2006
SOUTHWEST DISTRICT
TAMPA

**ENTERPRISE CLASS III LANDFILL
PERMIT RENEWAL, PASCO COUNTY**

**RESPONSE TO FDEP
THIRD REQUEST FOR
ADDITIONAL INFORMATION**

Prepared for:

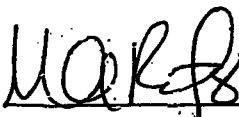
ANGELO'S AGGREGATE MATERIALS, LTD
1755 20th Avenue, S.E.
Largo, Florida 33771

Prepared by:

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

Certificate of Authorization #1841

November 2006

 11/8/06
Mark Roberts, P.E.
Florida P.E. No. 54187

**ENTERPRISE CLASS III LANDFILL
PERMIT RENEWAL, PASCO COUNTY**

**RESPONSE TO FDEP
THIRD REQUEST FOR
ADDITIONAL INFORMATION**

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
NOV 13 2006
SOUTHWEST DISTRICT
TAMPA

Permit Nos.: 177982-007-SO and 177982-008-SC

November 2006

The following information is provided in response to the Florida Department of Environmental Protection (FDEP), request for additional information prepared by Susan J. Pelz, P.E. (dated August 4, 2006) and John R. Morris, P.G. (dated August 3, 2006). Information is provided in the order requested in the referenced correspondence. In each case, the FDEP request is repeated with the response immediately following.

TABLE OF CONTENTS

PART 1 RESPONSES TO COMMENTS FROM SUSAN J. PELZ, P.E.

ATTACHMENT 5.a	REVISED APPLICATION FORM PAGES
ATTACHMENT 6.b	REVISED FIGURES S-1, S-2, S-3, AND S-4
ATTACHMENT 7	REVISED DRAWING SET (FULL-SIZE DRAWINGS PROVIDED UNDER SEPARATE COVER)
ATTACHMENT 9.e	TABLE 3.8B
ATTACHMENT 9.i.1	LINEAMENT STUDY
ATTACHMENT 11.b.1	SIDE SLOPE STABILITY CALCULATIONS AND REFERENCES
ATTACHMENT 11.b.2	EQUIPMENT LOAD CALCULATIONS
ATTACHMENT 13.b	REVISED STORMWATER CHANNEL CALCULATIONS
ATTACHMENT 16	CURRENT TOPOGRAPHIC SURVEY (PROVIDED UNDER SEPARATE COVER)

PART 2 RESPONSES TO COMMENTS FROM JOHN R. MORRIS, P.G.

ATTACHMENT 6.d	REVISED TABLE 5-1b
ATTACHMENT 12.c	DEMONSTRATION ON THE LEVELS OF NATURAL DISSOLVED OXYGEN IN THE GROUNDWATER
ATTACHMENT 12.j.1	REVISED HYDROGEOLOGICAL INVESTIGATION AND GROUNDWATER MONITORING PLAN
ATTACHMENT 12.j.2	REVISED FIGURE 15A
ATTACHMENT 12.j.3	REVISED FIGURE 17C

APPENDICES

APPENDIX A	REVISED ENGINEERING REPORT
APPENDIX B	REVISED OPERATION PLAN
APPENDIX C	REVISED CONTINGENCY PLAN
APPENDIX D	REVISED CLOSURE PLAN

Pelz, Susan

From: Dennis Davis [DDavis@jonesedmunds.com]
Sent: Thursday, November 02, 2006 1:54 PM
To: Pelz, Susan
Cc: Brent Schneider
Subject: Angelos Stormwater Swale Calc Question (History)

Susan

Below are several lines of text from the Angelos Class III permit renewal process. Item 1 below is the original text from 2 Sections of the application. Item 2 is the first RAI with the response. Item 3 is the second RAI with the response. Item 4 is the third RAI question. I have the following questions/comments on this and I hope that you can provide me with some clarification prior to us submitting the RAI response next week so that we can try to answer this question appropriately.

The first RAI question seems to request details (in drawing format) that show how the temporary interior stepwise stormwater management system will be constructed. Tetra Tech did not provide this in the first RAI.

In the second RAI you explain in more detail what you are looking for. In our response we provided you with details of the system however we did not do a sufficient job in identifying exactly what was going on. Additionally we provided swale calculations for these proposed temporary interior swales.

I would like to, as part of this RAI response, withdraw the temporary stormwater swale calculations and just do a better job of depicting these drainage features in our drawings. My reasoning is as follows; the swales that we provided calculations for are temporary facilities that are constantly changing due to waste placement and mining operations. The intent is to provide a means for the stormwater to flow around the cell and to the stormwater facilities. With the bottom of the class III cell being constructed of clay the owner has to maintain proper drainage or equipment will not be able to operate on the cell bottom. Once the cell is floored in there is no need to worry about the drainage below in terms of it affecting the operations. For these reasons I feel that the swale calculations are overkill and I think that we can adequately show the temporary facilities in drawing format.

Please let me know your thoughts as soon as possible.

Dennis

From: Brent Schneider
Sent: Wednesday, November 01, 2006 5:30 PM
To: Dennis Davis
Subject: Stormwater Swale Calc Question (History)

1. Original Permit Application (HAI)

Section 7.1.3

"The stormwater facilities shall be constructed in accordance to the approved Grading and Drainage plan to prevent the occurrence of offsite runoff as a consequence of matching the existing topography of the properties adjacent to the landfill. See Section 6 for storwater designs."

Section 6
ERP Permit

2. RAI #1 (HAI)

11/6/2006

Dear DEP,

These documents (4 binders,
4 rolls of drawings in FDEX box,
4 sets of drawings rubber banded
together) were delivered by
Brent Schneider on behalf of
Jones Edmunds on 11/10/06
at 3:15 pm, to Susan Petz
of FDEP. Please give me a call
at 352-377-5821 (4176) if you
have any questions.

Thank You,
Brent Schneider

BRENT SCHNEIDER, E.I.
ENGINEER INTERN

**JONES
EDMUNDS**

352.377.5821
352.377.3166 Fax

730 NE Waldo Road
Gainesville, FL 32641

bschneider@jonesedmunds.com

7.1.3. Please revise the rules referenced to delete Chapter 62-25 which was replaced by Chapter 62-330, F.A.C. Please provide plans that show and include details for the stormwater designs. This information does not appear to be provided in Section 6.

Response 19.d: This section has been revised as requested. Stormwater pond design information is included on the construction plan sheets. Detailed stormwater calculations have been submitted and approved by the Department's stormwater personnel. A copy of the stormwater permit has been included in Section 6 to replace the approved calculations and demonstrate that a permit has already been obtained.

3. RAI #2 (Jones Edmunds)

Comment 19.d 7.1.3 Please provide plans that show and include details for the stormwater designs. This information does not appear to be provided in Section 6. Response #19.e. indicates that the stormwater design has been reviewed by the Department's ERP section. However, ERP/stormwater management design has been reviewed by the Department's ERP section. However, ERP/stormwater management permits does not generally evaluate or address the stormwater management on the landfill footprint, but are more focused on the stormwater ponds, conveyance and discharges offsite.

Response 19.d: Stormwater design details have been provided in the supplemental drawings provided with this response. Swale volume calculations are provided with this response in Attachment 19.d.

4. RAI #3 (Jones Edmunds)

Comment 13.b Attachment 19.d. Please verify if the runoff coefficient (curve number) in the stormwater calculations is different than that used in the leachate analysis. Please provide revised stormwater calculations that include geometries that are consistent with those shown on Sheet C-27.

Brent Schneider
Engineer Intern
Jones, Edmunds & Associates, Inc.
730 NE Waldo Road, Bldg. A
Gainesville, FL 32641
ph: (352) 377-5821 ext. 4176
fax: (352) 377-3166



Department of Environmental Protection

Class III construction
permit

Jeb Bush
Governor

Southwest District
13051 N. Telecom Pkwy.
Temple Terrace, Florida 33637-0926

Colleen M. Castille
Secretary

DATE: AUGUST 28, 2006 TIME: 1000

LOCATION/CONFERENCE ROOM: #225

SUBJECT: ENTERPRISE CLASS III LF / Class I preapplication mtg

ATTENDEES

<u>NAME</u>	<u>AFFILIATION</u>	<u>TELEPHONE NUMBER</u>
<u>Susan Pelz</u>	<u>DEP SW</u>	<u>813-632-7600 x386</u>
<u>John Morris</u>	<u>DEP SOLID WASTE SECTION</u>	<u>813-632-7600 x336</u>
<u>Dennis Davis</u>	<u>Jones Edmunds</u>	<u>352-377-5821</u>
<u>John Arnold</u>	<u>Angelo's</u>	<u>352-339-1408</u>
<u>Tom Brown</u>	<u>Jones Edmunds</u>	<u>352 377-5821</u>
<u>Mark Roberts</u>	<u>Jones Edmunds</u>	<u>352-377-5821</u>
<u>Steve Laux</u>	<u>Jones Edmunds</u>	<u>352-377-5821</u>

STP
JRM

JOHN ARNOLD - ANGERS
DENNIS DAVIS
MARK ROBSONS
STEVE LUTX
TOM BROWN } JER

JRM NOTES
Pg 1/5

8/28/06

ENTERPRISE MEETING

CLASS III PERMIT RENEWALS

LEACHATE / ERP ISSUES TO BE DISCUSSED

(I)

LEACHATE ISSUES DISCUSSED DURING LAST MEETING

- HIGHLIGHTED DIFFERENCES IN SITE FROM INITIAL SITTING INFO
- APPROACH WAS TO LINE "SIDES" OF THE CELLS & TRY TO SHOW HOW MUCH WATER WILL BE IMPOUNDED IN CELLS (TO ANSWER QUESTION OF WATER IN WASTE)

S.L. - PLAN WATER BALANCE EVALUATION RATHER THAN HELP MODEL EVALUATION;
FELT IT WAS MORE INTUITIVE & DEFENDABLE

STP - JUST ASKED WHY DIDN'T RUN HELP MODEL, NOT THAT IT WAS NEEDED

SL/MR - USED CONSERVATIVE (Worst CASE) VARIABLES - EG, WASTE IS SATURATED

- CLAY VERTICAL PERMEABILITY RANGE DOES ALLOW FLOW OUT THE BOTTOM OF THE LINED FOOTPRINT (ALSO LOOKED AT HOW MUCH WATER RUNS OFF & DOES NOT INFILTRATE)

MR - WATER BALANCE PLOT OF HEAD VS TIME IS PER CELL (PER UNIT AREA)

- THE 36-INCHES OF HEAD REPRESENTS CONDITIONS WHEN THE CELL IS "OPEN"
- WHEN IT GETS INT. COVER OR FINAL COVER ASSUME ^{20%} ~~40%~~ MOD'L INFILTRATION OF RAINFALL
- 100% INFILTRATION WHEN BELOW GRADE
- 30% INFILTRATION WHEN OPEN BUT ABOVE GRADE
- 20% INFILTRATION WHEN HAVE INTERMEDIATE / FINAL COVER INSTALLED

SC - FEELS 3 FT OF SATURATED WASTE WILL NOT BE SIGNIFICANT FOR ODOR / GAS PRODUCTION

ENTERPRISE CLASS III

SOP - EXPERIENCE OF "JET" C&D FACILITIES IS THEY HAVE CHRONIC OODR ISSUES

- DOESN'T FEEL THAT RESPONSE DIDN'T PROVIDE ENOUGH CHARACTERIZATION REGARDING POTENTIAL PROBLEMS OCCURRING IN 36-INCHES OF WATER
- BOTTOM SLOPE ISSUE - DRAIN TO CELL 16 OR FLAT BOTTOM?
- ORIGINAL ~~CONCEPT~~ DRAINAGE TO CELL 16 VIA BOTTOM SLOPE WOULD'VE SEEPED OUT THE SIDES; IF SAMPLE DRAINAGE IN CELL 16 OF 17 METERS GW & SW STDs, THEN CAN PUMP OUT TEMP POND TO STORMWATER PONDS ABOVE GRADE FOR INFILTRATION
- COULD ACCEPT SEMI-ANNUAL SAMPLING OF TEMP. POND TO SEE HOW THE TEMP. POND QUALITY COMPARES TO GW/SW STDs.

JA - SEMI-ANNUAL SAMPLING OF TEMP POND IS OK

- WILL REVISE TO ~~REPAIR~~ RESTORE BOTTOM SLOPE TO DRAIN TO CELL 16

SJP - WOULD NEED TO KEEP TEMP POND FROM FILLING UP SO WASTE BACKS UP INTO WASTE IN CELL 15, 1, 2; COVER THE WASTE OR HAVE TOE BEAMS

- NEED TO CONTROL SEDIMENT ON WEST FACING SLOPES SO IT IS PROPERLY DRAINAGE

II STORMWATER DITCH DESIGN

ML - SEQUENCE DRAWINGS SHOW SIDE SLOPES & SWALES AT TOE OF CELL

JA - BENCH AT ~125 FT ELEV IS CUT INTO WASTE ALONG EAST SLOPES OF CELLS 1/2/15
- BUT IT IS ALL SHEETFLOW DOWN SLOPES, NO INLETS/DRAINCHUTES

ML - HAVE CUT DEEPER DITCH ALONG WEST FACING SLOPES OF CELLS 1/2/15

ML - DETAIL ON DRAWING C-27 SHOWS TEMP STORMWATER SWALE AT TOE

SJP - COMPARING HARTMAN DRAWINGS & JEA DRAWINGS - NOT SURE HOW THE STORMWATER SYSTEM WAS CONSTRUCTED - ARE THE SIDE SLOPES OVER-FILLED?

- FINAL BUILD-OUT DRAWINGS BY JEA SHOW ADD'L WASTE (HIGHER ELEVATIONS)

THAN ON HARTMAN DRAWINGS (CURRENT DRAWINGS THE ERP PERMIT IS BASED ON)

- NEED TO REVISE JEA DRAWINGS TO MOVE FORWARD FROM HERE; A COMPLIANCE ISSUE

ENTERPRISE CLASS III

STORMWATER ISSUES (CONT)

- JA - DETAILS ON TOP OF PLAN SHEET HAVE CHANGED A LOT &
- SJP - MAYBE NEED NEW TOPO TO BETTER REPRESENT SITE CONDITIONS
- SJP - PLAN REVISION TO SHOW Q OF DITCH W/ FLOW LINES & SPOT ELEVATIONS IS OK
- ① - PLANS NEED TO BE CLEARER FROM THIS POINT FORWARD (ELEVATIONS, SLOPES, BENCHES)
- ② - IF FEEL THAT CURRENT TOPO IS CONSISTENT W/ HARTMAN DRAWINGS, NEED TO NOTICE THEIR PITCH TO EXPLAN
- SJP - CONCERN IS THAT W/ LONG LINEAR SLOPES THAT ARE TOO STEEP WILL HAVE LOTS OF EROSION THAT WON'T BE ABLE TO BE MAINTAINED
- ML - 4:1 SLOPES AT BOTTOM TO 125 FT BENCH, THEN 3:1 ABOVE THIS BENCH?
- SL - WOULD DEP USE THE EXIST FACING SLOPES SHOWN ON PLANS AS BASIS FOR ENFORCEMENT?
- SJP - YES

DRAWINGS

TYPICAL STORMWATER BOUND DETAIL

- #C10 - SECTION LINE SHOWN ON DRAWING C-10 SHOULD BE PRESENTED ON BOTTOM GRADING PLAN
- #C11 - "CORNER" AT NE PART OF CELL 1 WHERE ADD'L FILLING FOR CELL 15 TIES IN -
HOW WILL STORMWATER BE HANDLED? SAME AS INSIDE/OUTSIDE CORNERS ON OTHER FILL SEQUENCE DRAWINGS
- BENCHES SLOPED OR FLAT?
- #C13 - FILL SEQ #3 - WEST-FACING SLOPE OF CELL 2 DOESN'T HAVE A BENCH AT 125 FT TO TIE INTO - HOW TO HANDLE?
- DD - SEQ CELLS #5, 4, 3, 6, 7, 8 WILL BE MAINTAINED

ENTERPRISE CLASS III LF

DRAWINGS

- #C-1 - ACTUAL SURVEY LIMITS OF CELL FOOTPRINT
 - NO WAY TO TELL IF FILLED OUTSIDE PERMITTED FOOTPRINT (SE CORNER OF CELL 2 & "BUMP OUT" FOR EAST SIDE OF CELL 15) ; POND 2 NOT BUILT YET
- #C-2 - POND #3 NOT BUILT YET - HOW DOES STORMWATER GET HANDLED?
 - MR - DON'T WANT TO REVISE MINING PLAN
 - SJP - PLAN SHEET SHOWS TOP OF CITY (3 FT OVER-EXCAVATION)
 - CAN PROVIDE FOOTPRINT INFO ON ANOTHER DRAWING (TOP OF CITY CONTOUR SHOWING SLOPE TO CELL 16), CAN ~~REMOVE~~ REMOVE SHEET C-2
- #C-3 - NEEDED?
 - NEED N/S THROUGH CELLS 3/4/5 & THROUGH 6/7/8
E/W 2/3/4 & 1/4/7
 - ✓ } REVISE TO
✓ } SHOW BOTTOM
CELL SLOPE
- #C-4 - NEEDED?
 - SJP - DEP DOESN'T NEED LANDSCAPING PLAN - IT WAS REQUIRED BY PASO COUNTY
 - SJP - LOTS OF CHANGES TO HARTMAN DRAWINGS, THE SITE IS NOT REPRESENTED BY THESE DETAILS - NOT CURRENT CONDITIONS

EW ISSUES DISCUSSED - NO NOTES

ENTERPRISE CLASS I LF

- ON SOUTH SIDE OF ENTERPRISE RD
- ~604 ACRES OF CLASS I ON PASO COUNTY SITE PLAN
- DD - LOOKING AT ~90 ACRE FOOTPRINT w/ 6 CELLS FOR INITIAL DEP PERMIT
 - DESIGN WILL BE SIMILAR TO POLIC NCLF PHASE III (LINER, LEACHATE PUMP STATIONS)
- JA - LEACHATE RECIRCULATION BEING CONSIDERED UP FRONT ; BIO-REACTOR MAYBE LATER
- JA - LEACHATE STORAGE TANKS ; TALKING w/ CITY OF DARE CITY TO EXTEND SEWER LINES
- SJP - NEED AGREEMENTS FOR LEACHATE TREATMENT PRIOR TO OPERATION
- SJP - 90 ACRES FOOTPRINT - WILL THERE BE ENOUGH VOLUME TO JUSTIFY FILLING 90 ACRES IN A 5-YR PERMIT CYCLE ; NEED SOME BASIS FOR WASTE VOLUME ESTIMATES
 - NEED TO LOOK AT A 5-7 YEAR WINDOW FOR FILLING

ENTERPRISE CLASS I (F)

- FINANCIAL WILL HAVE TO BE PUT UP FOR ENTIRE PERMITTED FOOTPRINT
 - STORMWATER - NOTIFY ERP OF PHASED CONSTRUCTION ; WILL BE 100-YR CAPACITY DESIGN
 - STORMWATER SYSTEM WILL HAVE TO BE CONSTRUCTED BEFORE FACILITY TAKES WASTE
 - THERE WILL BE LAND DEDICATION OF PROPOSED CLASS I CELLS
 - LEACHATE STORAGE OPTIONS - ENOUGH STORAGE FOR 3/4 DAYS VOLUME
 - WILL PROBABLY USE PRE-MADE FIBERGLASS TANKS (~30,000 GALLONS) ; WILL END UP W/ TANK FARM
 - MORE LEACHATE STORAGE CAPACITY THAN NEEDED SO CAN TAKE A TANK OUT OF SERVICE FOR MAINTENANCE
 - GAS COLLECTION SYSTEM - CAN FIRST PHASE BE PASSIVE DESIGN ? YES, AS LONG AS DON'T PASS THRESHOLDS FOR AIR RULES TO REQUIRE ACTIVE GAS SYSTEM - TALK W/ D. ZELL
 - LTC PLAN WILL ONLY BE CONCEPTUAL IN NATURE FOR PURPOSES OF EVALUATION
-
- CONSTRUCTION PERMIT ALONE OR CONSTRUCTION/OPERATION PERMIT APPLICATIONS TOGETHER?
 - \$10,000 FEE FOR EACH APPLICATION ; 1 APP. FORM ; ONE-BIG SET OF ENG. REPORT
IF CHOOSE TO SUBMIT BOTH APPLICATIONS TOGETHER UP FRONT
 - SPECIAL WASTE MANAGEMENT AREA (CITIZEN DROP OFF AREA, HOUSEHOLD HAZ WASTE, WHITE GOODS, TILES, ETC)
 - NO SETBACK FOR DEP FOR SCALES/OFFICE BLDG.
 - STORMWATER ^{ON ACCESS} ROAD - ERP WILL NEED TO SEE THAT INFO
 - NEEDS TO BE "ALL WEATHER ACCESS ROAD"
 - BORING PLAN DISCUSSED
 - QA/QC TESTING IN SPECS. NEEDS TO BE DETAILED
 - SOIL COMPONENTS NEED TO BE DETAILED
 - OWNER TO DO GRADING ; CONSIDERING USING ON SITE CLAY AS A BARRIER LAYER INSTEAD OF USING A GCL

Enterprise CIII Revenues

8/25/06

leachate collection

- agree to place continuous clay layer
- didn't use HELP model because water balance was straightforward & conservative



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
Telephone: 813-632-7600

Colleen M. Castille
Secretary

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, FL 33771

August 4, 2006

RE: Enterprise Recycling & Disposal Class III Landfill
Pending Permit Nos.: 177982-007-SO/T3 and
177982-008-SC/T3, Pasco County

Dear Mr. Iafrate:

This is to acknowledge receipt of the additional information dated June 2006 (received July 3, 2006) prepared by Jones, Edmunds & Associates (JEA) to continue construction and operation of an existing Class III landfill and related facilities, referred to as the **Enterprise Class III Landfill**, located at **41111 Enterprise Road, Dade City, Pasco County, Florida**.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit is incomplete. This is the Department's third request for information. It has been 345 days since your application was initially received. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

Please be reminded that in the event that complete and sufficient responses are not received to this request for additional information within the required timeframes, the Department may deny the pending applications. The Department requests that the applicant and applicant's consultant meet with the Department to discuss the remaining issues in order to ensure that the final submittal will be complete and sufficient.

The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

GENERAL:

1. The requested information and comments below do not repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.

2. Please submit 4 copies of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded shaded or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.

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3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.

4. Please be advised that although some comments do not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate. **Please be reminded that all calculations must be signed and sealed by the registered professional engineer (or geologist as appropriate) who prepared them.**

5. **Application form.** [Rule 62-701.320(7), F.A.C.]

a. It is the Department's understanding that Jones Edmunds & Associates (JEA) has replaced Tetra-Tech HAI (TTHAI) as the engineer of record. If this is the case, please provide a supplemental engineering certification (page 40 of 40) of the application form that certifies the information provided for the application after February 2006. Please clarify if the February 8, 2006 submittal from TTHAI was intended to be replaced by the JEA July 2006 submittal.

b. Item E.14. Please provide a revised application form that references the airport information.

6. **Prohibitions.** [Rule 62-701.300, F.A.C.] Please provide documentation that demonstrates that each of the prohibitions will not be violated by the construction or operation of this facility.

a. Please specify the distance to each of the potable wells that are located within 1000 feet of the site (see Egr Rpt, §3.3). Please provide a revised Engineering Report that includes this information. JEA Figure S-1 shows two potable wells to the north of the "future landfill expansion." Please specify the distance of these wells to the "future landfill expansion" cells.

b. JEA Figures S-2 and S-3 do not include the "future landfill expansion" areas as "disposal extent." While the Department acknowledges that the proposed disposal area for the pending 5-year period does not include Cells 12, 13, 14 or 16, the temporary "stormwater" pond (Cells 14/16) receives runoff from uncovered waste as well as leachate seepage from the waste disposal areas and uncontaminated (non-contact) stormwater. Consequently, the prohibitions currently apply to Cells 14 and 16. Please provide revised figures that show the setback distances from potable wells and water bodies that include Cells 14 and 16 as part of the landfill footprint.

7. Please provide plans that meet the requirements of Rule 62-701.320(7)(f), F.A.C. The plans submitted did not clearly show all necessary details.

8. **Airport setbacks/notifications, Rule 62-701.320(12), F.A.C.** Please provide the list of airports used to develop JEA Figure S-4.

9. **Engineering Report [Rule 62-701.320(7)(d), F.A.C.] Please provide a revised Engineering Report that addresses these comments.**

- a. §3.6.3., Effective Barrier. This section indicates that Sheet C-6 shows "an 8-foot high berm" along Enterprise and Auton Roads. However, this berm does not appear to be shown on this sheet.
- b. §3.7, Excavation Operations and Cell Construction. Please provide a figure that details the construction of the 3-foot clay liner on 2H:1V slopes (i.e., the "iterative process or several horizontal lifts"). Please provide a plan sheet that shows the proposed excavation grades. Please be advised that the clay liner on the slopes will be required to be constructed and certified (and the certification approved by the Department) prior to waste disposal in the affected cell.
- c. §3.8, Method of Cell Sequence.
 - 1) Please clarify if the 3H:1V slopes will be maintained below +125 ft. NGVD or +130 ft. NGVD. (see page 3-8)
 - 2) Please provide procedures and plans that show how "stormwater runoff from the interior of the excavation and filling area will be diverted to the onsite temporary storage pond..." (page 3-10) Please provide drawings that show the "drainage ditches constructed to direct water away from the current working area." It does not appear that swales, berms or other methods to divert stormwater to the temporary pond or away from waste disposal areas are adequately shown on the plan sheets. Please provide specific procedures or designs that demonstrate that that erosion will be controlled and intermediate and initial cover will be maintained. See also §3.8.1., §3.10.3, §3.11, §7.1.2., §7.1.3., Comment #13.
 - 3) Please clarify the anticipated design life of each cell. This section indicates approximately 6 months for each cell, but Table 3.8 indicates that each cell will be used for approximately 1 year.
- d. §3.8.2, Erosion control. Please revise this section to indicate that as soon as possible following the construction of the clay liner, "begin to fill against the 2H:1V slope with landfill material."
- e. §3.8.3, Life expectancy. Please clarify if Cell 11 will be constructed and filled in 2011. Sheet C-8 shows Cell 11 being filled within the 5-year permit period.
- f. §3.9, Waste compaction and application of cover. Please clarify the reference to Sheet C-3 for buildout grade and closure detail. Sheet C-3 appears to be a specific cross-section and not a "grading plan." Please show the storage locations of "recycling materials" on the plan sheets.
- g. §3.10.1, Gas monitoring and control. Please provide examples of the "immediate corrective actions" that will be taken to "abate any detected onsite odors."

(Comment #9, cont'd)

h. §3.10.2, Leachate control. Information submitted recently for the Certification of (temporary pond) Cell 14, and previous information submitted for other cell certifications (Cell 15, 16), indicates that limestone has been encountered during construction in some of the disposal areas. Based on this and previous sinkhole occurrence at the site, the original basis for the exemption from liner and leachate collection no longer appears to be valid. Please be advised that the presence of "the continuous 3-foot thick clay layer" is not a sufficient basis for exemption from leachate collection. Please provide information that demonstrates that the exemption from leachate controls in Rule 62-701.400(3) and (4), F.A.C., applies to this facility.

1) The information submitted indicates that the "clay layer and subsurface soils are expected to attenuate and retard any pollutants generated prior to reaching the groundwater." However, calculations supporting this conclusion were not provided.

2) Response #11.n. indicates that the compacted 3-ft. clay layer will have "an average permeability of 1×10^{-8} cm/sec.... The range of acceptable permeability values is 1×10^{-6} cm/sec to 1×10^{-9} cm/sec...." However, Response #11.c(3) states, "the compacted clay layer will have a hydraulic conductivity no greater than 10^{-8} cm/sec." Please specify the required hydraulic conductivity of the compacted clay layer.

3) Response 11.n. states, "the cell floor will not be sloped so the liquid will pond at a constant depth over the cell." This statement does not correlate with the cell floor design shown on Sheet C-2.

4) JEA Attachment 11.n., Water Balance results.

a) Since the facility is located in the Southwest Florida Water Management District, please explain why information from St. John's Water Management District was used.

b) It appears that the purpose of this evaluation is to determine the maximum head over the liner (clay layer). Please explain why a typical HELP Model analysis was not used.

c) This analysis concludes that the maximum head over the liner is approximately 35.55 inches and that the "head begins to dissipate over time. (Response #11.n.)" Please explain how the accumulation of 35.55 inches of leachate over the liner demonstrates that no leachate collection system is needed.

i. §3.14, Foundation analysis. Please provide a revised foundation analysis and lineament study that includes the 2004 subsidence occurrence at the site.

1) Response #11.r states, "based on the lineament study presented by Universal Engineering in their May 2000 report, the sinkhole that occurred in 2004 appears to be close to one of the lineaments shown in the report. An updated lineament study therefore does not appear to be necessary." However, as shown by the Lineament Trace in (provided in the Universal Engineering January 25, 2006 update in Section 4 of this application), Universal Engineering concluded that "no significant lineament(s) traverse the site. (May 2000, page 6)" Further, a figure showing the location of the subsidence from 2004 "close to" the Universal lineaments was not provided. The conclusion drawn in 2000 that the "potential for sinkhole occurrence at the subject site is low" is no longer valid in light of the fact that a sinkhole occurred onsite in 2004.

(Comment #9.i., cont'd)

2) Response #15.a. indicates that the sinkhole that developed in 2004 was a "result of removal of the overlying sand and clay in the area." Since the proposed construction of the disposal cells also requires "the removal of sand and clay in the [cells]," it appears that the proposed construction may also result in the occurrence of sinkholes. Please provide a revised design that will ensure that the prohibitions of Rule 62-701.300(2)(a) and (e), F.A.C., will be met.

10. **Operations Plan (Appendix 3-A).** [Rules 62-701.400(9), 62-701.500, 62-701.520, and 62-701.530, F.A.C.] Please provide a comprehensive Operations Plan that incorporates the responses to these comments. Replacement pages with revisions noted may be provided (deletions may be struckthrough [~~struckthrough~~] and additions may be shaded shaded or a similar method may be used) with each page numbered with the document title and date of revision. This plan will be reviewed in its entirety after responses are received. Information in some sections of the Operations Plan are similar to the information contained in the Engineering Report. In these sections, comments are not reiterated, but responses should include revised Engineering Report and Operations Plan sections as appropriate. Please provide a revised Table of Contents.

a. §5.3. Please specify the maximum quantity and timeframe for storing batteries, paint, chemicals, etc. Please provide details of the storage location for these materials. Please specify the disposal facilities for these materials (see Response #14.c.).

b. §5.7. This section indicates that the Class III landfill does not intend to recycle. However, this section also states, "if metals are collected, they will be transported offsite to a permitted recycling facility." Please specify the maximum quantity, timeframe, storage location and method for metals and "incidental recyclable materials" that are "collected."

c. §14.0. Please provide waste handling procedures in the event of a fire at the landfill. Please revise Appendix 3-B also.

d. §14.1. Please show the storage location for contaminated soils on a plan sheet.

e. §15.0. Since the wood waste acceptance area is remote from the landfill disposal cells, please clarify if a spotter will be present at the wood waste area when loads are being received to remove unacceptable wastes.

f. §17.1. Please provide details (including containment structures) of the used oil and antifreeze storage facility. Please show the location on a plan sheet.

g. §19.2. Please specify the procedures for, and frequency of, "self inspection of landfill conditions."

h. §24.0, History of Enforcement actions. This section was deleted from the Operations Plan. Please provide the information required by Rule 62-701.320(7)(i), F.A.C. in an appropriate section of the application.

(Comment #10, cont'd)

i. Additional figures. Please clarify if Figures 3-17 through 3-20 (sequencing plans) and 3-26 through 3-34 (cross-sections) are intended to be deleted from the submittal. It does not appear that these figures are valid. If these figures are intended to remain in the submittal, please provide the following information: Please provide revised drawings that specify the date of the topographic contours. Please provide north-south and east-west cross-sections for each cell. Please show the appurtenant facilities (e.g., scalehouse, maintenance building, etc.) on all appropriate sheets. Please provide plan sheets that show grades and drainage structures, berms, swales, benches, etc., required for appropriate drainage throughout the operation and closure of the facility. Please provide plans that show the construction and filling (each lift) of each cell.

11. **Section 4, Geotechnical Report.** [Rule 62-701.410, F.A.C.]

a. Please submit an updated geotechnical investigation that considers the subsidence/sinkhole that occurred onsite in 2004. See also Egr Rpt, §3.14, Hydro Report, §5.1.6 and §5.1.7.

b. Slope Stability.

1) Please provide a revised analysis that includes 3H:1V slopes. Please include all printouts, assumptions, figures, references, assumptions, etc., used in support of the analysis. Please explain why the revised slope stability analyses did not include a piezometric surface. Please provide figures that show the configurations modeled, failure planes, and factors of safety. Please specify which borings were used for the soil properties. Please specify the properties for each soil layer and provide references. See also §3.4.

2) Response #15.a(3) indicates that the slope stability analysis considered a seasonal high water table elevation of +73 ft. NGVD. However, routine groundwater monitoring reports submitted to the Department have indicated that the groundwater elevations are as high as +81.27 ft. NGVD. Please provide revised slope stability analysis that considers this groundwater elevation.

3) Attachment 15.a.3. The figures provided are difficult to distinguish each soil and waste layer. Please provide figures that clearly depict each layer in the analysis. Please provide appropriate references that support the equipment loading calculations. Please explain why it is assumed that the equipment that will be used at the site is loaders, and not dozers and/or compactors.

12. **Section 5, Hydrogeological Investigation** [Rule 62-701.410, F.A.C.] Please respond to Mr. John Morris' memorandum dated August 3, 2006, attached.

13. **Section 6, Stormwater Management** [Rule 62-701.400(9), 62-701.500(10), F.A.C.]

a. Please provide revised plan sheets that detail all ditches, berms, swales, benches, downcomer pipes, and other stormwater management devices. See also Comment #9.c.

b. Attachment 19.d. Please verify if the runoff coefficient (curve number) in the stormwater calculations is different than that used in the leachate analysis. Please provide revised stormwater channel calculations that include geometries that are consistent with those shown on Sheet C-27.

14. **Water Quality Monitoring Requirements (Part M).** [Rule 62-701.410 and 62-701.510, F.A.C.] Please respond to Mr. John Morris' memorandum dated August 3, 2006.

15. **Plan Sheets.** [Rules 62-701.320(6), 62-701.320(7)(f), 62-701.500, F.A.C.] Please be advised that the plan sheets will be reviewed in their entirety after receipt of this information.

a. Please provide all drawings, signed and sealed by a registered professional engineer. Although the revised sheets included signature and seal, all sheets in the drawing set were not replaced, and the drawings submitted February 9, 2006 did not include an original signature and seal on sheets C-3, C-4 and C-6. The Department is aware that the applicant has retained a different consultant than the consultant who prepared the original drawings. If signed and sealed drawings cannot be obtained from the original engineer, these drawings should be replaced by signed and sealed drawings from the current consultant.

b. Please provide revised drawings that specify the date of the topographic contours. Please provide north-south and east-west cross-sections for each cell. Please show the appurtenant facilities (e.g., scalehouse, maintenance building, etc.) on all appropriate sheets. Please provide plan sheets that show grades and drainage structures, berms, swales, benches, etc., required for appropriate drainage throughout the operation and closure of the facility. Please provide plans that show the construction and filling (each lift) of each cell.

c. Please provide station numbers on all plan views to reference to the cross-sections provided. Please provide plan sheets that include contours not greater than 1 year old as the "existing" condition.

d. Sheet C-1. Please include the surveyed limits of each cell on this sheet. Please note which ponds are already constructed, and which are proposed. Please specify the date of the contours on this sheet.

e. Sheet C-2. Please provide drawings that include grades that show the drainage noted on Note 2.

f. Sheets C-3, C-4. Please clarify if Sheets C-3 and C-4 have been replaced by other sheets. If not, please explain why the final cover profile on the south side of Cell 6 does not correlate with the final cover profile over Cell 7. Please show the limits of each cell and each lift on a plan sheet. Please provide details of the benches, terraces and berms. Please explain the purpose of the vertical lines located at approximately ref. station 29+00 and 23+00. The "existing grade" on these sheets does not appear to be valid.

g. Sheet C-5. Please explain the purpose of the dashed lines in Cells 6/7/8, and Cell 5. Please clarify the slope of 60H:1V. Please provide details of all stormwater management devices (berms, terraces, downcomers, swales, ponds, etc.), including elevations required for proper drainage. Please provide a detail of the perimeter road. Please provide plan sheets that show grades and drainage structures, berms, swales, benches, etc., required for appropriate drainage throughout the operation and closure of the facility.

h. Sheet C-6. Please clarify if Sheet C-6 has been replaced. It appears that this sheet includes inaccurate information.

i. Sheet G-1. Please reference these details to the appropriate locations on the plan views, and provide revised plan sheets appropriately noted.

(Comment #15, cont'd)

j. Sheet C-8. Please clarify how Cell 11 will be excavated, constructed and filled, and how Cell 10 will be constructed and filled in Sequence 8. This information does not appear to correlate with the Engineering Report or Operations Plan.

k. Sheets C-10 through C-17. Please verify Sections 1/C-27 and 4/C-27. It does not appear that the cross-sections shown on these plan sheets correlate with the information on Sheet C-27. Please explain how the bench at el. +125 ft. NGVD in Cell 15 continues to Cell 1. Please clarify the drainage between Cell 15 and Cell 1.

l. Sheets C-9 through C-18. Please provide station numbers on all plan views to reference to the cross-sections provided.

m. Sheets C-19 through C-25. Please revise these sheets to be consistent with the bottom elevations shown on Sheet C-2 and the "existing" elevations shown on C-10. Please reference the appropriate bench and terrace details on these cross-sections.

n. Sheet C-27. Please provide all dimensions, slopes, etc., for all details noted as "NTS."

16. **Current topographic survey.** [Rule 62-701.330(3)(d), F.A.C.] Please provide a topographic survey of the entire site, that shows all disposal areas, current contours, stormwater ponds, setbacks, etc., at a 1"=100 ft. scale. The survey provided in Attachment 8 is a boundary survey of the property, and is not a current topographic survey.

The following comments are for information only at this time and do not require an immediate response:

1. Please be advised that pursuant to Rule 62-4.070(5), F.A.C., the Department shall take into consideration a permit applicant's violation of any Department rules at any installation when determining whether the applicant has provided reasonable assurances that Department standards will be met.

a. Figure 3-3A, Cell 1 and 2 Topographic Survey, prepared by Foresight Surveyors, Inc., dated June 9, 2005 appears to show that waste has been disposed outside the permitted footprint of Cells 1 and 2 (particularly on the eastern side). Filling outside the permitted footprint is a violation of Specific Conditions #9.b., 9.f., 11. of permit number 177982-002-SO and Rule 62-4.160(2), F.A.C.

b. The Pickett survey dated October 27, 2005 appears to indicate that waste in some areas of Cell 1 has been filled steeper than 3H:1V. This is a violation of Specific Condition #11.d. of permit number 177982-002-SO and Rule 62-701.500(7)(c), F.A.C.

c. A comparison of the Pickett survey dated March 9, 2006 and the permitted final elevations in Cells 1 and 2 indicate that portions of Cells 1 and 2 have been overfilled, e.g., area of +95 ft. contour on the permitted plans (Sheet C-5) is shown with existing elevations at approximately +107 ft. NGVD. Additionally, the existing slopes are approximately 3H:1V, which does not comply with the permitted plans that require 4H:1V slopes. Also the western extent of Cell 1 appears to have expanded beyond the certified limits. Overfilling, filling beyond the limits of the certified cell and not maintaining the required slopes are violations of Specific Conditions #9.b., 9.f. and 11. of permit number 177982-002-SO and Rule 62-4.160(2), F.A.C.

(Informational Comment #1, cont'd)

d. Groundwater monitoring sampling events conducted from 2003 through October 2005 indicate elevated Dissolved Oxygen (DO) in several wells. Since supplemental information required by SOP FS 2212 has not been provided that demonstrates that the elevated DO is due to ambient groundwater conditions, elevated DO in the groundwater samples is a violation of Chapter 62-160, F.A.C., and Rule 62-701.510, F.A.C.

2. **Application form, Items #P.3, P.4.g(6), and P.5.** The application form indicates that the Closure report is "not applicable." The Department agrees that since the applications are for construction and operation that a closure report, final cover slope stability calculations, and closure operation plan are not required for the facility at this time. However, please note that this information shall be required as part of the closure permit application.

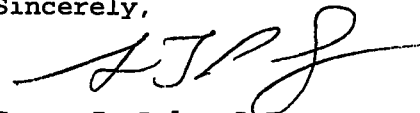
3. **\$7.1.4.. \$7.1.4.1., \$7.1.4.2.** Please be advised that the onsite clayey soils shall meet the borrow source demonstration requirement of Rule 62-701.400(8), F.A.C., in order to be used as the barrier layer in the final cover. This demonstration will be required as part of the closure permit application or permit.

4. **\$7.1.4.5.** Please be advised that a specific closure CQA Plan and technical specifications will be required as part of the closure permit application. Please note that the information provided in this section does not meet the requirements of Rule 62-701.400(8), F.A.C.

Please respond **within 60 days** after you received this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than **60 days** to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available.

You are requested to submit your responses to this letter together, as one complete package. Please contact me at (813)632-7600 ext. 386 to schedule the requested meeting.

Sincerely,



Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

sjp

Attachment

cc: Mark Roberts, P.E., JEA, 730 NE Waldo Rd., Gainesville, FL 32641
Donna Huber, Pasco County Development Review, 7530 Little Road, Suite 230, New Port Richey, FL 34654, w/attachment
Richard Tedder, P.E., FDEP Tallahassee (email)
William Kutash, FDEP Tampa (email)
Fred Wick, FDEP, Tallahassee
Douglas Hyman, P.E., FDEP Tampa, ERP (email)
Mara Nasca, FDEP Tampa, Air (email)
Steve Morgan, FDEP Tampa, SW (email)
John Morris, P.G., FDEP Tampa, SW (email)

Florida Department of Environmental Protection

Memorandum

TO: Susan Pelz, P.E. *JP*
FROM: John R. Morris, P.G. *JRM*
DATE: August 3, 2006
SUBJECT: Enterprise Class III Landfill Permit Renewal, Pasco County
Class III Landfill Operation Renewal Application, Pending Permit 177982-007-SO
Class III Landfill Construction Renewal Application, Pending Permit 177982-008-SC
Environmental Monitoring Review Comments (Responses to RAI #2)

I have reviewed portions of the materials submitted to the Department in support of the referenced applications for renewal of the operation and construction permits for the Enterprise Class III Landfill that were prepared by Jones Edmunds & Associates, Inc. (JEA) on behalf of Angelo's Aggregate Materials, Ltd., received July 6, 2006. The submittals provided responses to the review comments presented in the Department's letter dated March 10, 2006. The portions of the submittals that were reviewed included:

- Transmittal letter prepared by JEA dated July 5, 2006:
- Part 1 – Responses to Comments from John R. Morris, P.G., dated July 3, 2006 ("response letter")
 - Attachment 6.d. – Document entitled "Enterprise Class III Landfill, Permit Renewal, Pasco County, Landfill Hydrogeological Investigation and Ground Water Monitoring Plan" (HIGWMP), dated June 2006

My review focused on the hydrogeologic and environmental monitoring aspects of the construction and operation permit applications and supporting submittals. Additional information is needed to evaluate the adequacy of the monitoring plan.

Please have the applicant address all of the review comments that do not include the phrase: **"No additional information is requested"**. Please have the applicant submit responses to the following review comments that provide revised submittals, or replacement pages to the submittals, that use a ~~strike-through~~ and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised pages (text, figures, tables, appendices, forms and site plans).

The review comment numbers presented below are consistent with my previous memoranda dated September 21, 2005, and March 10, 2006. To facilitate the review process, those comments that were fully addressed by previous submittals have been deleted from this memorandum. The information requests have been referenced to sections of the permit application form and are also referenced to the sections of the supporting documents where appropriate, as presented below:

DEP FORM NO. 62-701.900(1), SOLID WASTE MANAGEMENT FACILITY PERMIT FORM SECTION I – HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (Rule 62-701.410(1), F.A.C.)

6. I.1.b.:

- d. The response letter provided revised Section 5.2.2 of the HIGWMP that referenced Table 5-1A (ground water elevations recorded between June 2003 and October 2004) and referenced new Table 5-1B (ground water elevations recorded during the April 2005 sampling event). Please note that the HIGWMP included a Table 5-1A that provided ground water elevations recorded on May 29, 2005. Please submit additional revisions to the HIGWMP to provide Table 5-1B with a notation that the ground water elevations were recorded on April 29, 2005.

- e. Please submit additional revisions to Section 5.2.2, Table 5-2 and Appendix 5-C of the Hydrogeological Investigation as appropriate to address the following items:
- 2) The response letter indicated no raw data was available to defend the slug out test conducted at P-3a. Table 5-2 of the HIGWMP was revised to delete the hydraulic conductivity result for the slug out test at this location. **No additional information is requested.**
 - 3) The response letter indicated Table 5-2 was included in the HIGWMP. **No additional information is requested.**
 - 4) The response letter indicated Table 5-2 was included in the HIGWMP. **No additional information is requested.**
- f. The HIGWMP provided revisions to the surficial aquifer ground water velocity calculations in Section 5.2.2 and new Tables 5-2A and 5-2C, and indicated the locations where hydraulic gradients were calculated on new Figures 5-1a and 5-1c. **No additional information is requested.**
- i. The HIGWMP provided new Figure 5-1b that revised the ground water surface contours for the Floridan aquifer wells using the elevations measured July 17, 2003 excluding the water level reported at piezometer P-11. The HIGWMP included revisions to Section 5.2.4 and Section 5.3.1 regarding the predominantly southward direction of ground water flow in the Floridan aquifer at the facility. **No additional information is requested.**
- j. The HIGWMP provided new Figures 5-1a through 5-1d that indicated the locations where hydraulic gradients were calculated that were referenced in revised Section 5.2.4. **No additional information is requested.**
- k. The HIGWMP provided revisions to the Floridan aquifer ground water velocity calculations in Section 5.2.4 and new Tables 5-2A and 5-2C, and indicated the locations where hydraulic gradients were calculated on new Figures 5-1b and 5-1d. **No additional information is requested.**

SECTION M – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS

(Rule 62-701.510, F.A.C.)

8. M.1.c.(1):

a. The HIGWMP provided construction details, locations and phasing schedule for new proposed Floridan aquifer wells MW-3B, MW-4B, MW-11B and MW-14B in Section 5.3.1, revised Figure 15A and new Figure 17C. Please note that the proposed “contingent” sampling of individual Floridan aquifer wells based on the occurrence of sufficient ground water to collect a sample from the adjacent surficial aquifer well is not consistent with Rule 62-701.510(3)(d)4, F.A.C., that well screens shall be located to readily detect representative ground water samples within the saturated thickness of the uppermost aquifer within the zone of discharge. Based on the results of routine monitoring events conducted at the facility, it appears that the Floridan aquifer represents the uppermost aquifer and that the surficial aquifer is more limited in areal extent and seasonal persistence than described in the original HIGWMP. Accordingly, it is the Department’s intention to prepare Specific Conditions in the new operating permit that require routine sampling of the Floridan aquifer wells, with supplemental sampling of the existing surficial aquifer wells when sufficient water is present to allow sample collection. This comment is provided for informational purposes and does not require a response. **No additional information is requested.**

9. M.1.c.(6): The HIGWMP provided construction details, locations and phasing schedule for new proposed Floridan aquifer wells MW-3B, MW-4B, MW-11B and MW-14B in Section 5.3.1, revised Figure 15A and new Figure 17C. **No additional information is requested.**

10. **M.1.f.(3):** Based on the revisions to Sections 5.2.2 and 5.2.4 of the HIGWMP that provided maximum ground water velocity calculations for the surficial and Floridan aquifers, respectively, the Department does not object to the proposed semi-annual frequency for routine ground water sampling. **No additional information is requested.**

12. **M.1.h.(2):** The response to comment #12 states that revision of the document entitled "Water Quality Evaluation Report" (WQER), prepared by Tetra Tech HAI, dated February 2, 2006 "is not within the scope of this RAI response." This statement is inconsistent with Rule 62-701.510(9)(b), F.A.C., that requires the technical report that summarizes and interprets water quality results and water level measurements be submitted every two years and shall be updated at the time of permit renewal. However, to minimize the inconvenience to the applicant by requiring the document prepared by Tetra Tech HAI to be revised by JEA, please provide responses to the following comments that are referenced to sections of the WQER:

2.0 Ground Water Monitoring Plan

a. The response letter indicated that wells MW-8B, MW-9B and MW-10B were installed and developed by April 15, 2006. **No additional information is requested.**

3.0 Field Parameters

b. The response letter provided a summary of pH results during purging of well MW-7B. **No additional information is requested.**

c. The reference in the response letter to FS 2212, Section 3.2 of the Department's SOPs regarding alternate purging criteria for dissolved oxygen if the conditions in FS 2212, Section 3.1 cannot be met is noted. However, the response letter did not address nor provide all the supplemental documentation items listed in FS 2212, Section 3.2 (bullet items on the bottom of page 9/top of page 10). Please conduct dissolved oxygen measurements within the screened interval of each of the monitor wells with a downhole dissolved oxygen probe and submit the results as part of the responses to this review comment to characterize if elevated dissolved oxygen values are naturally occurring or related to sample collection.

4.0 Detections and Exceedances of Sampling Parameters

d. The response letter referred to new Table 5-6 that summarized the results of the sampling events conducted between July 2003 and April 2005, including the resampling event conducted at well MW-7B during November 2003. **No additional information is requested.**

e. The response letter clarified which sampling events included the analysis of total phenolics and speculated that the results reported for well MW-7B may be related to leaching of plasticizers from the PVC pipe due to interaction with caustic, grout-contaminated water. **No additional information is requested.**

5.0 Comparison of Up-Gradient and Down-Gradient Wells

f. The response letter indicated field measured dissolved oxygen has been variable in upgradient and downgradient wells. **No additional information is requested.**

6.0 Comparison Between Surficial and Floridan Aquifer Zones

g. The response letter indicated field measured dissolved oxygen has been variable in surficial and Floridan aquifer wells. **No additional information is requested.**

8.0 Interpretation of Ground Water Flow

h. (Please note this comment was incorrectly referenced as #8.f., in the memorandum dated March 10, 2006). The response letter referred to new Figure 5-1b in the HIGWMP. **No additional information is requested.**

- i. (Please note this comment was incorrectly referenced as #8.g., in the memorandum dated March 10, 2006). The response letter referred to revised ground water velocity calculations provided in Table 5-2A of the HIGWMP. **No additional information is requested.**

11.0 Conclusion

- j. (Please note this comment was incorrectly referenced as #8.h., in the memorandum dated March 10, 2006). The response letter indicated it was possible that aggressive well development may remove residual grout from around the screen of well MW-7B so it will yield representative ground water samples, however it was also indicated that it was anticipated that the well would need to be replaced. Please conduct the proposed redevelopment activities and submit an evaluation of the potential for well MW-7B to provide representative ground water samples as part of the responses to this review comment. Please also submit the technical justification of construction details for the proposed replacement well in the event that it is determined the redevelopment of well MW-7B is not sufficient. If a replacement for well MW-7B is recommended, please submit appropriate revisions to the HIGWMP (including Sections 5.3.1. and 5.3.2., Figure 15A, and Figure 17C, at a minimum), and designate an unique identification number.

SECTION P – LANDFILL FINAL CLOSURE REQUIREMENTS (Rule 62-701.600, F.A.C.)

13. **P.2.b.(5):** The response letter referred to revisions to Sections 7.2 of the Landfill Closure and Reclamation Plan provided in Appendix A. **No additional information is requested.:**

I can be contacted at (813)-632-7600, extension 336, to discuss the comments in this memorandum.

jrm

JONES EDMUNDS

Dept. of Environmental
Protection

JUL 06 2006

Southwest District

July 5, 2006

Ms. Susan J. Pelz, P.E.
Solid Waste Section, Southwest District
Florida Department of Environmental Protection
13051 N Telecom Parkway
Temple Terrace, FL 33637-0926

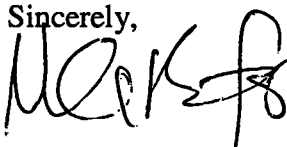
RE: Enterprise Recycling & Disposal Class III Landfill
Response to 2nd Request for Additional Information
Permit Renewal
DEP Permit No. 177982-007-SO and 177982-008-SC
Jones Edmunds Project No. 01030-002-01

Dear Ms. Pelz:

Enclosed are four (4) copies of the Enterprise Recycling & Disposal Class III Landfill Response to the Request for Additional Information (RAI) dated March 10, 2006.

Please call me if you have any questions regarding the permit renewal application.

Sincerely,



Mark Roberts, P.E.
Project Manager

M:\01030-AngelosRecycled\002 - RAI Class III-Enterprise RDF\Consult\CORR\2006.07.05.Ltr.SPelz.RAI2Response.doc

xc: Dominic Iafrate, Angelo's Aggregate Materials, Ltd

730 NE Waldo Rd
Gainesville, FL 32641

352.377.5821 Phone
352.377.3166 Fax
www.jonesedmunds.com

Dept. of Environmental
Protection

JUL 06 2006

ENTERPRISE CLASS III LANDFILL
PERMIT RENEWAL, PASCO COUNTY

RESPONSE TO DEP
SECOND REQUEST FOR
ADDITIONAL INFORMATION

Southwest District

Prepared for:

ANGELO'S AGGREGATE MATERIALS, LTD
1755 20th Avenue, S.E.
Largo, Florida 33771

Prepared by:

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

Certificate of Authorization #1841

June 2006

Mark Roberts 6/7/06

Mark Roberts, P.E.
Florida P.E. No. 54187

**ENTERPRISE CLASS III LANDFILL
PERMIT RENEWAL, PASCO COUNTY**

**RESPONSE TO DEP
SECOND REQUEST FOR
ADDITIONAL INFORMATION**

Permit Nos.: 177982-007-SO and 177982-008-SC

June 2006

The following information is provided in response to the Florida Department of Environmental Protection (DEP), request for additional information prepared by John R. Morris, P.G. (dated March 10, 2006) and Susan J. Pelz, P.E. (dated March 10, 2006). Information is provided in the order requested in the referenced correspondence. In each case, the DEP request is repeated with the response immediately following. In addition, a supplemental drawing set consisting of Drawings C-7 through C-27 is provided.

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PART 1	RESPONSES TO COMMENTS FROM JOHN R. MORRIS, P.G.
ATTACHMENT 6.d	REVISED SECTION 5, HYDROGEOLOGICAL INVESTIGATION, AND ADDENDUM
PART 2	RESPONSES TO COMMENTS FROM SUSAN J. PELZ, P.E.
ATTACHMENT 6.b	PROOF OF PUBLICATION
ATTACHMENT 8	BOUNDARY SURVEY
ATTACHMENT 9	NOTIFICATIONS TO PUBLIC OFFICIALS
ATTACHMENT 11.g	LIFE EXPECTANCY CALCULATIONS
ATTACHMENT 11.n	WATER BALANCE RESULTS
ATTACHMENT 11.o.1	ENVIRONMENTAL RESOURCE PERMIT
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ATTACHMENT 14.g	YARD TRASH PROCESSING FACILITY REGISTRATION PROGRAM
ATTACHMENT 14.m	TRAINING RECORDS
ATTACHMENT 14.p	INSPECTION FORM
ATTACHMENT 15.a.3	REVISED SLOPE STABILITY CALCULATIONS
ATTACHMENT 19.d	STORMWATER DESIGN DETAILS
ATTACHMENT 19.g	FINANCIAL ASSURANCE DOCUMENTS

APPENDICES

APPENDIX A	RECLAMATION AND CLOSURE PLAN
APPENDIX B	ENGINEERING REPORT

6/6/06 @ 1020

STEVE LUX
JAMIE MUIR } JEA
MARK MOOTS }



ENTERPRISE CLASS III RENEWALS - RFI #1 - TELECOM

11.N - LINER/LEACHATE COLLECTION SYSTEM EXEMPTION COMMENT

- CONSTRUCTED 3-FT CLAY BOTTOM WAS "ACCOMMODY" TO L.S. PINNACLES
S.L. - DON'T WANT TO CONSTRUCT CLAY LINER w/ LEACHATE COLLECTION; ITS A
NEW SITE, A GOOD SITE, NO GW CONTAMINATION

SJP - COMMENT #11N IS INDICATING THE SITE HYDROGEOLOGY IS NOT
AS INITIALLY PORTRAYED - SO BASIS FOR LINER/LEACHATE COLLECTION

SL - HANITMAN HYDROGEO REPORT - ZONE SHOWS MODIFICATIONS TO
REPORTS TO ACCOMMODATE INSTALLATION OF CLAY LAYER TO
ADDRESS VARIABILITY (LIMESTONE OCCURRENCE / SANDY SOILS)

SJP - CLAY BOTTOM NEEDS TO BE BROUGHT UP THE SIDES

- THEN HAVE A BOWL THAT GETS LEACHATE STAGED - HOW TO HANDLE?

~~REVISIONS TO RFI #1~~

SL - ANGELO/DOMINICK AREN'T OPPOSED TO LINER, BUT DON'T WANT TO
DEAL w/ LEACHATE COLLECTION

SJP - IF HAVE REVISED DESIGN INCLUDING 3-FT MIN ENPIECED
CLAY BOTTOM & CLAY ON SIDES, THEN WILL HAVE TO
DEAL w/ ODR ISSUES IF THEY DEVELOP AT A LATER DATE
- ACCEPT CHANGES FROM TETRA TECH - THAT & SHOW REVISIONS
PROVIDED BY JEA IN RESPONSE TO RFI #1

Enterprise LF

3/29/06

What cells will be filled in next 5 years?
we need sequence

Installed MW3, MW4 shallow wells had no water
- surficial flows eastward
- MW-3D, 4D just installed deep

direction of flow generally eastward, but one event surficial going west

Floridan - 1 event going SW

Is there a surficial that is seasonally persistent?

East Pasco has deep/shallow pins

slug tests from original - only 1 in Floridan

Response will be submitted by ~~_____~~

- they will let me know w/in 1 wk what extension they need

JOHN ARNOLD...
JIMME MILLER
ALLAN BUDDECOMB } JEA
SJP D. HANAN
BTG

JTM NOTES
Pg 1/2

3/29/06 ENTERPRISE CITIES III LANDFILL - RATE #2 MEETING

J. ARNOLD - SOME FAMILIARITY W/ ENTERPRISE LF, MEETING TODAY IS TO COME UP TO SPEED W/ ISSUES
SO JEA CAN RESPOND TO RATE #2 FOR RENEWALS

SJP - RECOMMENDED REVIEW OF ORIGINAL 2001 SID LIAISON SUBMITTALS

- EXEMPTION FROM LINDER/LITERATURE COLLECTION IS CURRENTLY OF CONCERN THAT CONCLUSIONS SUBMITTED FOR ORIGINAL GEOTECH/HYDROGEO INVESTIGATION MAY NOT BE VALID BASED ON MORE RECENT DATA OBTAINED AS CELLS GOT EXCAVATED

- 3 FT CITY BOTTOM IS + GOOD FIRST STEP - DO THEY NEED TO GO FURTHER?

J. ARNOLD - BOTTOM CELL ELEVATIONS REVIEWED - CAN IT BE MORE SLOPED TO DRAIN TO A LINED POND TO SEE IF LITERATURE OUTPUT REQUIRES COLLECTION/HANDLING

- LOCAL MINING PERMIT IN ADVANCE OF SOLID WASTE PERMIT

SJP - SLOPES UNKNOWN IN RENEWAL/RESPONSES TO RATE #1 - 2:1/3:1/6:1 SLOPES NOT CLEARLY IDENTIFIED; DON'T CARE ABOUT EXCAVATION SLOPES FOR MINING, BUT CAN'T DISPOSE OF WASTE STEEPER THAN 3:1

- SEQUENCING OF EXCAVATION IS NOT IMPORTANT TO US; SEQUENCING OF CONSTRUCTION OF NEXT CELLS IS IMPORTANT - NEEDS TO BE IN ACCORDANCE W/ PERMIT

- FACILITY NEEDS TO FOLLOW SEQUENCE THAT THEY SUBMIT IN RENEWAL

RATE LETTER

SJP - SCHEDULE FOR SEQUENCE - EXCAVATION/FILLING/CLOSING CAN'T BE ESTIMATED BASED ON MARKET CONDITIONS
- NEED TO HAVE SCHEDULE TO INDICATE WHAT CELLS WILL BE FILLED IN NEXT 5 YRS

D.H - POND 1 BUILT/POND 2 NOT CONSTRUCTED YET - RATE LETTER OUT TO ADDRESS PERMIT EXTENSION FOR STORMWATER POND

- RADII OF INFLUENCE FOR POND 1 NEEDED? TO CHARACTERIZE POTENTIAL FOR ^{DEPT} POND TO IMPACT SUFFICIENT AQUIFER

GROUNDWATER ISSUES/WELL LOCATIONS/SAMPLING FREQUENCY DISCUSSED AT LENGTH - NO NOTES TAKEN

ENTERPRISE CLASS III MEETING

SJP - PROOF OF PUBLICATION LRD SINCE RAI LETTER WAS SUBMITTED (SJP TO CHECK)

- NOTIFICATION OF PUBLIC OFFICIALS NOT REC'D

John Angelo - CELL SEQUENCE WILL BE BASED ON TOWNHALLS REC'D AT FACILITY

- EXEMPTIONS FROM LINER/LEACHATE COLLECTION PRESENTED IN RAI LETTER IN A FEW COMMENTS

SJP - IF HAVE TO GO DEEPER TO PROVIDE MORE SCOPE ON BOTTOM CELL DESIGN ELEVATIONS WILL HAVE TO REVISE THE GEOTECH ANALYSIS

John Angelo - MAYBE THE SOLUTION WILL BE TO RAISE THE BOTTOM ELEVATION OF FUTURE CELLS? THEY WILL INVESTIGATE

John Angelo - FINANCIAL ASSURANCE ISSUES? SEPARATE LETTER TO RESPOND TO FIN RAI FOR FINANCIAL

- RAI #2 DATED 3/10/06

- DUE DATE IS 4/10/06 - LOTS OF ITEMS TO RESPOND TO - NEED ADD'L TIME TO RESPOND TO ALL REVIEW COMMENTS

SJP - DON'T WANT PARTIAL RESPONSE TO RAI #2

- TALK W/ ANGELO'S & COME BACK W/ ESTIMATED SCHEDULE FOR RE-SUBMITAL OF RESPONSE TO RAI #2

J-ANGELO - LOOKING AT ~30 DAYS BEYOND REQUESTED DUE DATE AT THIS TIME

SJP - OVER 180 DAYS ALREADY

- WANT TO WRAP UP ISSUES W/ THE RESPONSE TO RAI #2; NOT LIKELY TO GO TO RAI #3

- ADVISED FOR TIME EXT W/ REASONS FOR EXT. W/CN NEXT WEEK

- IF GET BOGGED DOWN ON PARTICULAR ISSUES, WILL NOT GO W/ ADD'L RAI LETTERS, WILL GO FOR DENIAL

J-ANGELO - PLANS MAY HAVE JEA REPLACEMENT PAGES TO FIT INTO HANDBOOK PLAN SET

SJP - NEW SECTION T OF APP. FORM W/ JEA SIGN/SEAL

JATME - RECYCLING ISSUES IN RAI LETTER

SJP - RECYCLING CAN BE IN LANDFILL PERMIT, BUT HAVE TO INCLUDE ADEQUATE INFO. TO ADDRESS RULE REQUIREMENTS FOR RECYCLING (IN APPLICATION & O.S. PLAN)

3-29-06

-Bret's Copy

(1) Enterprise

(a) So far only clay going to be placed on bottom.

1. Sinkhole S.E. corner of cell 16 (2004)

2. Limestone detected during construction

3. Excavation slopes should be @ 6:1, whereas we are at w/ 2:1's

(b) Submittal:

(1) A schedule for excavation/filling/closing of cells needed.

(a) what cells will be filled in next five yrs?

(2) Needed to address MW's [added 8, 9, 10 D] ; 3D; 4D were just installed.

(3) Is there a surficial that is persistent

(a) If there isn't a surficial, then Floridan is probably being affected

(a) they are asking for a 5 yr. extension on the ^{water} permit

(b) may have to install wells on S. side ; move background wells on west side.

(c) Steve's Financial Letter has to be responded to

P.A. (c) Asking For an extension

↳ waiting for a reply w/in 1-2 weeks (30 days)

↳ usually not going past RA #3

(d) Need a new part/supplemental Engineer of Record



TETRA TECH HAI

Mark A. Rynning, PE, M.B.A.
James E. Christopher, PE
Charles W. Drake, PG
William D. Musser, PE, P.H.
Lawrence E. Jenkins, P.S.M.
Jon D. Fox, PE
Jill M. Hudkins, PE

Roderick K. Cash, PE
Douglas P. Duffresne, PG
Daniel M. Nelson, PE

Andrew T. Woodcock, PE, M.B.A.
John P. Toomey, PE
Jennifer L. Woodall, PE
Valerie C. Davis, PG
Charles M. Shultz, PE
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, PG
James R. Warner, PE

LETTER OF TRANSMITTAL

To:	Mr. Steve Morgan	Date: 03/09/06	Tt HAI# 99.0331.025, 12.0
	Florida Department of Environmental Protection, Southwest District	Fr: Jennifer L. Deal, P.E.	
	13051 N. Telecom Parkway	Re: Angelo's Aggregate Materials, Ltd.	
	Temple Terrace, Florida 33637	Enterprise Road Landfill, Pasco County, Florida	

We are Sending You ☒ Attached ☐ Under separate cover:

Via ☐ UPS Ground ☒ UPS Overnight ☐ U.S. Mail

☐ Shop Drawings ☐ Prints ☐ Plans ☐ Reports ☐ Specifications
☐ Copy of letter ☐ Change Order ☐

COPIES	DATE	NO.	DESCRIPTION
1	01/23/06		Proof of Publication

DEP

MAR 10 2006

SOUTHWEST DISTRICT

THESE ARE TRANSMITTED as checked below:

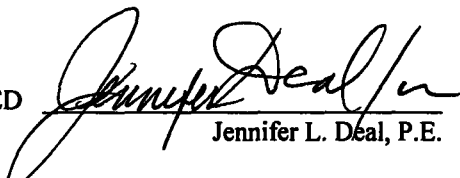
<input type="checkbox"/> For approval	<input type="checkbox"/> Approved as submitted	<input type="checkbox"/> Resubmit ___ copies for approval
<input checked="" type="checkbox"/> For your use	<input type="checkbox"/> Approved as noted	<input type="checkbox"/> Submit ___ copies for distribution
<input type="checkbox"/> As requested	<input type="checkbox"/> Returned for corrections	<input type="checkbox"/> Return ___ corrected prints
<input type="checkbox"/> For review and comment		
<input type="checkbox"/> FOR BIDS DUE: _____		

REMARKS: Steve,

On behalf of Angelo's, Tetra Tech HAI is submitting the proof of publication of the notice of application for the Enterprise Recycling and Disposal Facility. The ad was published on January 23, 2006 in the Pasco Times. Thank you.

cc: file

SIGNED


Jennifer L. Deal, P.E.

IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFY US AT 407-839-3955

PASCO 'TIMES

An Edition of the St. Petersburg Times

Published Daily

Port Richey, Pasco County, Florida

STATE OF FLORIDA
COUNTY OF PASCO:

Before the undersigned authority personally appeared Jessica Attard who on oath says that she is Legal Clerk of the Pasco Times a daily newspaper published at Port Richey, in Pasco County, Florida: that the attached copy of advertisement, being a Legal Notice in the matter of
RE: Notice of Application

_____ in the _____ Court
was published in said newspaper in the issues of
January 23, 2006 _____.

Affiant further says the said Pasco Times is a newspaper published at Port Richey, in said Pasco County, Florida, and that the said newspaper has heretofore been continuously published in said Pasco County, Florida, each day and has been entered as second class mail matter at the post office in Port Richey in said Pasco County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Jessica Attard
Signature of Affiant

Sworn to and subscribed before me this 23rd day
of January, 2006.

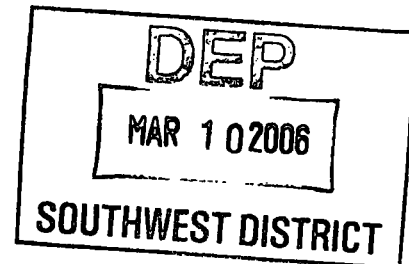


Mary Ellen Heighton
Commission # DD503972
Expires January 4, 2010
Bonded Trs. Fan Insurance Inc 800-385-7019

Mary Ellen Heigton
Signature of Notary Public

Personally known ☒ or produced identification

Type of identification produced



**State of Florida
Department of Environmental
Protection
Notice of Application**

The Department announces the receipt of an application for permit from Angelo's Aggregate materials, Ltd., Mr. Dominic Istrate, President, for construction and operation of a Class III landfill, referred to as the Enterprise Class III Landfill, located at 4111 Enterprise Rd., Dade City, Pasco County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m. Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318. (001)824931 01/23/06

Pelz, Susan

From: Pelz, Susan
Sent: Monday, March 13, 2006 7:51 AM
To: Jennifer L. Deal (E-mail)
Cc: Tedder, Richard; McGuire, Chris; Kutash, William; Wick, Fred; Hyman, Douglas; Nasca, Mara; Morgan, Steve; Morris, John R.
Subject: Enterprise CIII Operation & Construction permits RAI #2

Jennifer,

Please find attached RAI #2. Hard copies were mailed.

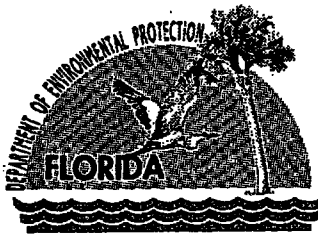
If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us



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Jeb Bush
Governor

Department of Environmental Protection

Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
Telephone: 813-632-7600

Colleen M. Castille
Secretary

Mr. Dominic lafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

March 10, 2006

RE: Enterprise Recycling & Disposal Class III Landfill
Pending Permit Nos.: 177982-007-SO/T3 and 177982-008-SC/T3, Pasco County

Dear Mr. lafrate:

This is to acknowledge receipt of the additional information dated February 8, 2006 (received February 9, 2006) submitted in support of your permit application, dated August 18, 2005 (received August 23, 2005), prepared by Tetra Tech HAI [HAI], to continue construction and operation of an existing Class III landfill and related facilities, referred to as the **Enterprise Class III Landfill**, located at **41111 Enterprise Road, Dade City, Pasco County, Florida**.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit is incomplete. This is the Department's second request for information. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

Please note that much of the information in the February 8, 2006 submittal was non-responsive to the Department's September 21, 2005 request for information. Consequently, those comments for which substantive responses were not received have been repeated in *italic font*. Additional requests and clarification based on the information received February 9, 2006 may also follow each of these comments. Please be reminded that in the event that complete and sufficient responses are not received to this request for additional information, the Department may deny the pending applications.

The following comments are numbered the same as the Department's September 25, 2005 letter. Additional comments have been added based on the responses and information provided in the February 8, 2006 submittal. The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

GENERAL:

1. The requested information and comments below do not repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.
2. Please submit **4 copies** of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded ~~shaded~~ or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.

"More Protection, Less Process"

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3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.

4. Please be advised that although some comments do not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate. **Please be reminded that all calculations must be signed and sealed by the registered professional engineer (or geologist as appropriate) who prepared them.**

5. **Application form, Items marked N/C.** No additional information is requested for this item.

6. **Application form.** [Rule 62-701.320(7), F.A.C.]

a. Item #B.11. No additional information is requested for this item.

b. Item #E.13. Please provide proof of publication of the attached Notice of Application. [Rule 62-701.320(8), F.A.C.]

7. **Prohibitions.** [Rule 62-701.300, F.A.C.] Please provide documentation that demonstrates that each of the prohibitions will not be violated by the construction or operation of this facility.

a. Please specify the distance to each of the potable wells that are located within 1000 feet of the site (Egr Report, §3.3). Please provide a revised Engineering Report that includes this information.

8. Please provide plans that meet the requirements of Rule 62-701.320(7)(f), F.A.C. The plans submitted did not clearly show all necessary details. See also Comments #11.t and 20.

9. Please provide proof of notification of local elected officials required by Rule 62-701.320(8), F.A.C. Response #9 states, "The requirement to notify local officials pertains to new application or applications to substantially modify a landfill." However, Rule 62-701.320(8)(b), F.A.C., states, "An applicant for permit to construct or substantially modify a Class I, II or III landfill shall mail a notice of application to the Chair of the BOCC, the highest ranking official of the municipality, and each State Senator and Representative serving the jurisdiction in which the project is located. This Notice shall be mailed within 14 days of submittal of the application to the Department." Based on Response #9, it appears that these notices have not been mailed to the appropriate officials as required by this Rule.

10. Please provide documentation that demonstrates that the setback requirements of Rule 62-701.320(12), F.A.C., are not violated by the proposed construction and operation of the facility. Although Response #10 indicates that this information is provided on Figure 3-1 in the Engineering Report, Figure 3-1 does not indicate the presence of airports (it is titled "Site Location Map") and the map is not of sufficient scale (1 inch=2,500 ft.) to show locations 5 miles from the site.

11. **Engineering Report** [Rule 62-701.320(7)(d), F.A.C.] Please provide a revised Engineering Report that addresses these comments.

a. §3.4, Topography. See Comment #11.t. below.

b. §3.4.1, 100-year flood prone areas. Please provide information or a figure from SWFWMD (or the FEMA floodplain map) that shows the floodplain and the facility boundaries. Response #11.b. indicates that Figure 3-4 includes this information. However, Figure 3-4 does not appear to have been generated by FEMA or SWFWMD, appears to only show the "100-year flood extent," and the source for the flood prone areas is not specified.

(Comment #11, cont'd)

c. §3.7. Excavation Operations and Cell Construction.

- 1) *Please provide (or reference) the figure that shows the "excavation setback of 200 feet and... restoration slope of 6H:1V."* Response #11.c. indicates that Sheet C-2 shows the 200-ft. setback. However, the setback does not appear to be shown on this sheet.
- 2) *Please provide a Figure 3-7 (Sheet C-2) that shows the excavation sequence as indicated in this section of the Engineering Report.*
- 3) *The first paragraph in this section indicates that the landfill excavation slope will be 2H:1V. However, the next paragraph states, "excavation slopes will not exceed 6H:1V." Please clarify this inconsistency.* Response #11.c. states, "once ready for use, the cell slopes would be cut back to 2H:1V prior to waste filling operations." Please clarify if the "cell slopes" are the slopes where the soil materials were excavated. *Please provide procedures for placing the clay on 2H:1V slopes.*
- 4) *Please show the "working face and the 6H:1V excavation slope of the adjacent cell... [and] berm and conveyance..." on the drawings. Please show the 6-foot wide berm used to "prevent stormwater from entering the working face" on the drawings.* This information has been deleted from the application (Engineering Report and Operations Plan). Response #11.c. indicates that the references to the 50-ft. overcut, swale and 6H:1V excavation slope have been deleted since "their construction has not been necessary for operation of the facility." Please explain how runoff from the sideslopes is controlled and drainage is managed. Please explain how stormwater is prevented from running onto waste disposal areas.
- 5) *Please provide a table that includes the schedule for excavation, construction, waste disposal and closing for each cell.*
- 6) *Response #11.c. states, "Section 3.8 best describes the sequence of operations for the facility. Each cell is excavated immediately prior to certification and waste disposal." [emphasis added] However, during a recent site inspection, the facility operator insisted to the Department that the excavation sequence is not mandated by the facility's operation plan, engineering report or other permit documents. Please clarify if Section 3.8 "best describes" the sequence of construction of the facility.*

d. §3.8. Method of Cell Sequence.

- 1) *The information indicates that completion of cells 14, 16 and portions of 5 will include building up the pond bottom with "clean soil" to elevation +80 ft. NGVD. Please specify the type of soil proposed to be used. Please be advised that the soils specified must correlate with the soils used in the slope stability analyses.*
- 2) *Please provide a table that includes the schedule for excavation, construction, waste disposal and closing for each cell.*
- 3) **No additional information is requested for this item.**

(Comment #11.d., cont'd)

- 4) *Please provide procedures and plans that show how "stormwater will be diverted to the onsite temporary storage pond until the latter part of the landfill life when Cells 14 & 16 begin to accept waste." (page 3-9) This information may be submitted as part of the Operations Plan. Response #11.d(4) indicates that "the natural topography of property directs stormwater to the temporary pond in the northeast corner. In addition, drainage ditches constructed on the property direct water away from the current working area to the pond." However, the as shown on the predevelopment surveys submitted with the previous permit applications, and the topographic survey provided as Figure 3-3C in this submittal, the topography of the site has been substantially changed and the "natural topography" no longer exists in the eastern portion of the site. Please provide drawings that show the "drainage ditches constructed to direct water away from the current working area."*
- e. §3.8.1, Vertical expansion. *Please show the "series of swales and other stormwater conveyance[s]" that will be used to prevent side slope erosion. Please clarify "interior temporary sideslopes" and show them on an appropriate Figure or plan sheet.*
- f. §3.8.2, Erosion control. This Section states, "the outer edge slope will first receive waste." However, this appears to conflict with the Method of Cell Sequence in Section 3.8. Please submit revisions as appropriate.
- g. §3.8.3, Life expectancy. Please provide copies of the site-specific data that was used to calculate the design life of the facility. Please provide Table 1. Please provide the tonnage received and airspace used for each year of operation for the Enterprise Landfill. Since the facility has site-specific data, this data should be used in determining the design life. Please explain the basis and provide references and calculations supporting the information submitted. [Rule 62-701.330(3)(e), F.A.C.] Please provide copies of the waste records required by Rule 62-701.500(4), F.A.C. Please specify which cells will be constructed and filled within the next 5 year permit period.
- h. §3.9, Waste compaction and application of cover. Please clarify which wastes will be "reduced as appropriate by the chipper/crusher." It does not appear that Sheet C-1 provides an "illustration of the cell closure sequence." Please provide this information. Please be advised that the final cover shall meet the requirements of Rule 62-701.400(7) and (8), F.A.C., as well as Rule 62-701.600, F.A.C. Please revise this section accordingly. Please specify how long the eastern half of the landfill will be "temporarily closed." Please show the storage locations of "recycling materials" on the plan sheets.
- i. §3.10.1, Gas monitoring and control. Please clarify if the facility operation (as well as design) will prevent the contact of surface and groundwater with wastes. Please provide examples of the "immediate corrective actions" that will be taken to "abate any detected onsite odors." Please explain how mulch or crushed concrete will abate landfill odors.
- j. §3.10.1.1, Gas probe locations. Please specify how many gas probes are existing and how many are proposed. Please clarify if the probes will be installed and certified as part of the certifications of construction completion for the cells listed in this section.
- k. §3.10.1.3, Methane gas measurement. No additional information is requested for this item.
- l. §3.10.1.4, Gas contingency plan. No additional information is requested for this item.
- m. §3.10.1.5, Passive gas vents. No additional information is requested for this item.

(Comment #11., cont'd)

n. §3.10.2, Leachate control. Please explicitly describe the "strict method of controlling wastes disposed." The information submitted in the application does not appear to be extraordinarily strict, but appears to represent typical industry practice. Please be advised that "rainwater runoff flowing through the fill material" is leachate by definition (see Rule 62-701.200(66), F.A.C.). Information submitted recently for the Certification of (temporary pond) Cell 14, and previous information submitted for other cell certifications (Cell 15, 16), indicates that limestone has been encountered during construction in some of the disposal areas. Based on this and previous sinkhole occurrence at the site, the original basis for the exemption from liner and leachate collection that "a consistent confining layer above the limestone... across the site" no longer appears to be valid. Please provide a revised design that not only includes a clay liner on the cell bottoms, but also includes a clay liner on the sideslopes, and includes leachate collection and removal.

o. §3.10.3, Stormwater controls.

1) Please clarify how stormwater is controlled by "percolation into the soil or by overland flow to the temporary stormwater pond." It does not appear that swales, berms or other method are shown on the plan sheets to divert stormwater to the temporary pond. Please provide a copy of the stormwater management permit that includes the modifications to Pond 2.

2) **No additional information is requested for this item.**

p. §3.11, Erosion control. Since the facility is designed to fill above grade, please explain how "the site's inherent design as an excavation pit will prevent stormwater from leaving the property." See also Comment #11.o. The plans do not appear to include berms, swales, etc., that direct stormwater away from the waste disposal areas. Please provide specific procedures or designs that demonstrate that that erosion will be controlled and intermediate and initial cover will be maintained.

q. §3.13, Setbacks and visual buffers. Please clarify if the "boundary lines" are the property boundaries.

r. §3.14, Foundation analysis. Please provide a revised foundation analysis and lineament study that includes the 2004 subsidence occurrence at the site. See also Comment #15. The information provided by Universal Engineering does not indicate that the subsidence that occurred onsite in 2004 was considered in their evaluation.

s. §3.15, Certification. **No additional information is requested for this item.**

t. Figures. Please provide revised figures and plan sheets that are consistent and include all revisions requested by this comment and Comment #20.

1) Boundary and Topographic Survey of the Pasco County Landfill for Sid Larkin & Son, Inc., dated June 5, 2000. Please provide a signed and sealed copy of this plan sheet. Please specify the date of the contours on this sheet. Response #11.t(2) indicates that the property ownership has not changed since the date of this survey. However, this survey appears to have been prepared for Sid Larkin & Sons and is dated June 5, 2000. Since the permit was not transferred to the current permittee until January 2002, it appears that ownership of the property changed since the date of this survey.

2) Enterprise Recycling and Disposal Facility Cell 1 and 2 Topographic Survey, dated July 27, 2005. This sheet appears to show that the facility may have filled outside the permitted footprint. Please provide a topographic survey of the entire site, that shows all disposal areas, current contours, stormwater ponds, setbacks, etc. See also Comments ##11.t(9), #13, and #20.

(Comment #11.t., cont'd)

- 3) **No additional information is requested for this item.** Comments regarding Sheets C-1 through C-6 and G-1 are listed below.
- 4) Figures 3-13, 3-15, 3-19, 3-20. See Comment #20, below.
- 5) Figure 3-17. See Comment #20, below.
- 6) *Figure 3-18. Please show all benches and terraces on the sequencing plans.*
- 7) *Sequencing plans (Figures 3-17, 3-18, 3-19, 3-20). Please provide a revised figure that utilizes cross-sectional arrows to show the direction of view for each cross-section. Please provide east-west cross-sections for each cell. See Comment #20, below.*
- 8) *Figures 3-26, 3-27, 3-28, 3-29, 3-30. Please provide details of the benches. Please provide details of the stormwater control system that will manage stormwater that runs off the landfill slopes. Please provide details of the features that will prevent erosion of the landfill cover soils and will adequately control stormwater at the toe of the landfill.*
- 9) *Figure 3-3C. Please show the surveyed cell boundaries on this survey. Please show the locations and distances of the residential wells within 500 feet of the site on this sheet.*

12. **Vicinity map. No additional information is requested for this item [Rule 62-701.330(3)(a), F.A.C.].**

13. **Current topographic survey.** See Comment #11.t(9), above. [Rule 62-701.330(3)(d), F.A.C.]

14. **Operations Plan (Appendix 3-A).** [Rules 62-701.400(9), 62-701.500, 62-701.520, and 62-701.530, F.A.C.] Please provide a comprehensive Operations Plan that incorporates the responses to these comments. Replacement pages with revisions noted may be provided (deletions may be struckthrough [~~struckthrough~~] and additions may be shaded ~~shaded~~ or a similar method may be used) with each page numbered with the document title and date of revision. This plan will be reviewed in its entirety after responses are received. Information in some sections of the Operations Plan are similar to the information contained in the Engineering Report. In these sections, comments are not reiterated, but responses should include revised Engineering Report and Operations Plan sections as appropriate. Please provide a revised Table of Contents. The Table of Contents provided appears to have errors based on repagination of the revised Operations Plan.

a. **§4.0. No additional information is requested for this item.**

b. **§5.1.**

1) The information provided in the "Rejected Load Logs" indicates that loads containing oil containers and chemicals/solvents were rejected. Please clarify if these loads were rejected prior to, or after being dumped, and specify the final disposal location of the materials. Please provide contact information for these waste generators if known.

2) *Please provide examples of unacceptable wastes items that have been discovered by the video camera and scalehouse personnel and have been subsequently prohibited from disposal in 2004 and 2005. Response #14.b. states, "waste items specifically identified using the video camera at the scalehouse were not tracked." Since the effectiveness of the video system is not known, please explain how the video camera at the scalehouse can be concluded to support the liner and leachate collection exemption.*

c. **§5.3. Please specify the maximum quantity and timeframe for storing batteries, paint, chemicals, etc. Please provide details of the "secured maintenance building."**

(Comment #14., cont'd)

- d. **§5.4. No additional information is requested for this item.**
- e. **§5.5.** The information provided in the "Rejected Load Logs" indicates that loads containing oil containers and chemicals/solvents were rejected. Please clarify if these loads were rejected prior to, or after being dumped, and specify the final disposal location of the materials. Please provide contact information for these waste generators if known.
- f. **§5.6. No additional information is requested for this item.**
- g. **§5.7.** *Please be advised that waste processing and recycling requires a separate permit unless the activity is incidental to the disposal operation. Based on the description in the Operations Plan, it does not appear that the recycling activity is incidental to the operation. Please provide all information required by Rule 62-701.710, F.A.C. concerning incidental materials recovery and recycling at this site. Please note that if the applicant's intention is to accept loads of "primarily recyclable products," then a separate waste processing facility permit will be required. Please be advised that whole waste tires are not acceptable for disposal in a landfill. Please explain how waste tires would be "reused" onsite.*
- h. **§5.7.1. No additional information is requested for this item.**
- i. **§8.0, 8.2, 8.3, 9.0, 10, 10.1, 10.1.1, 10.1.2, 10.2, 10.3, 20.0., 23.0.** *Please see Comment #11.*
- j. **§13.0.** Please provide a litter control plan that meets the requirements of Rule 62-701.500((7)(i), F.A.C.
- k. **§14.0.** See Comment #14.l.
- l. **§14.1.** Since the determination of what constitutes Class III waste is largely based on visual inspection, please explain how a load that is on fire and then is *"immediately covered with earth"* can be spotted and unacceptable wastes removed. Please clarify what *"spills from waste vehicles"* are not anticipated. Please specify the disposal facility for contaminated soils.
- m. **§15.0.** Please provide page 2 of 2 for the training printout for Mickey Hazellief. Please verify if Alfredo Martinez completed training in February 2006. *Since only 1 equipment operator, 1 landfill operator and 1 spotter are expected to be at the facility at any time, please explain how the projected approximately 6000 cy/day (2,142,000 cy/year divided by 360 days/year) can be adequately spotted, unacceptable wastes removed and waste compacted during lunch breaks, vacations or in the event of personnel illness. Since the wood waste acceptance area is remote from the landfill disposal cells, please clarify if a spotter will be present at the wood waste area when loads are being received to remove unacceptable wastes (formerly in Comment #14.n).*
- n. **§17.0** Please clarify if a concrete crusher will be used at the site.
- o. **§17.1.** Please specify where oil and antifreeze is stored.
- p. **§19.2.** *Please specify the procedures for, and frequency of, "self inspection of landfill conditions."*
- q. **§21.0. No additional information is requested for this item.**
- r. **Appendix A.** *Please explain why Mr. Jon Larkin is the 24-hour contact for the facility.*

(Comment #14., cont'd)

s. Appendix 3-B. Please provide procedures in the event that hazardous waste is received at the site. Please provide procedures that must be followed in the event of a fire. Please explain how sorbent material is expected to absorb spills since most of the site is not paved. Please provide procedures for waste handling in the event of fire, inadequate personnel, or other interruptions in operations. Please specify the equipment rental companies that will be used to obtain reserve equipment.

15. **Section 4, Geotechnical Report.** [Rule 62-701.410, F.A.C.]

a. Please submit an updated geotechnical investigation that considers the subsidence/sinkhole that occurred onsite in 2004.

1) **No additional information is requested for this item.**

2) Since the facility has been operating for several years, the actual unit weight on waste/cover soil should be available to be used in the foundation analyses (settlement, bearing capacity, slope stability). Please provide revised analyses that include actual bulk density information from the site.

3) **Slope Stability.** Please provide a revised analysis that includes 3H:1V slopes. Please include all printouts, assumptions, figures, references, assumptions, etc., used in support of the analysis. Please explain why the revised slope stability analyses did not include a piezometric surface. Please provide figures that show the configurations modeled, failure planes, and factors of safety. Please specify which borings were used for the soil properties. Please specify the properties for each soil layer and provide references.

4) §3.4. Since there was an occurrence of a sinkhole onsite during the construction of Cell 15/16, please provide an updated sinkhole and lineament investigation.

5) Boring B-03A. **No additional information is requested for this item.**

6) Test method for vertical permeability. **No additional information is requested for this item.**

16. **Section 5, Hydrogeological Investigation** [Rule 62-701.410, F.A.C.]

a. Please respond to Mr. John Morris' memorandum dated March 10, 2006, attached.

b. §5.1.6, 5.1.7. Please submit an updated geotechnical investigation (settlement, bearing capacity, slope stability) that considers the subsidence/sinkhole that occurred onsite in 2004. See Comment #15 above.

17. **Section 6, Stormwater Management** [Rule 62-701.400(9), 62-701.500(10), F.A.C.]

a. **No additional information is requested for this item.**

b. Please provide revised plan sheets that detail all ditches, berms, swales, benches, downcomer pipes, and other stormwater management devices.

18. **Water Quality Monitoring Requirements (Part M).** [Rule 62-701.410 and 62-701.510, F.A.C.]
Please respond to Mr. John Morris' memorandum dated March 10, 2006, attached.

19. **Section 7, Reclamation and Closure Plan.** [Rules 62-701.320(7)(e)1., 62-701.600, 62-701.610, 62-701.620, F.A.C.]

a. Please provide a table that includes the schedule for excavation, construction, waste disposal and closing for each cell.

(Comment #19., cont'd)

- b. §7.1.1. *Please explain why the operator would be placing waste on a "completed cell." Please specify the actions that are included in "reclamation and closure."*
 - c. §7.1.2. *Please provide plans that show and include details for the "drainage enhancements."*
 - d. §7.1.3. *Please provide plans that show and include details for the stormwater designs. This information does not appear to be provided in Section 6. Response #19.e. indicates that the stormwater design has been reviewed by the Department's ERP section. However, ERP/stormwater management permits does not generally evaluate or address the stormwater management on the landfill footprint, but are more focused on the stormwater ponds, conveyances and discharges offsite.*
 - e. Table 1. *Please include dates or timeframes on this table. See also Comment #19.a.*
 - f. *Please respond to Mr. John Morris' memorandum dated March 10, 2006, attached.*
 - g. Appendix 7-A. Financial Assurance Requirements [Rule 62-701.630, F.A.C.] *Please respond to the Department's letter dated September 21, 2005 concerning financial assurance cost estimates (sent under separate cover). Although Response #19.g. indicates that responses to these items were included in the February 8, 2006 submittal, it does not appear that the responses to the financial assurance comments were provided.*
20. **Plan Sheets.** [Rules 62-701.320(6), 62-701.320(7)(f), 62-701.500, F.A.C.]
- a. *Please provide all drawings, signed and sealed by a registered professional engineer. Although the revised sheets included signature and seal, all sheets in the drawing set were not replaced, and the original set did not include a signature and seal.*
 - b. *Please provide revised drawings that specify the date of the topographic contours. Please provide north-south and east-west cross-sections for each cell. Please show the appurtenant facilities (e.g., scalehouse, maintenance building, etc.) on all appropriate sheets. Please provide plan sheets that show grades and drainage structures, berms, swales, benches, etc., required for appropriate drainage throughout the operation and closure of the facility. Please provide plans that show the construction and filling (each lift) of each cell.*
 - c. Sheet C-1. *Please include the surveyed limits of each cell on this sheet. Please note which ponds are already constructed, and which are proposed.*
 - d. Sheet C-2. *Please reference the correct date for the contours shown on this sheet. Please provide a detail for the 6H:1V mine slope and 2H:1V slopes. Please provide drawings that include grades that show the drainage noted on Note 2.*
 - e. Sheets C-3, C-4. *Please include reference station numbers on plans view sheets. Please explain why the final cover profile on the south side of Cell 6 does not correlate with the final cover profile over Cell 7. Please show the limits of each cell and each lift on a plan sheet. Please provide details of the benches, terraces and berms. Please explain the purpose of the vertical lines located at approximately ref. station 29+00 and 23+00.*
 - f. Sheet C-4. **No additional information is requested for this item.**
 - g. Sheet C-5. *Please reference the correct date for the contours shown on this sheet. Please explain the purpose of the dashed lines in Cells 6/7/8, and Cell 5. Please clarify the slope of 60H:1V. Please provide details of all stormwater management devices (berms, terraces, downcomers, swales, ponds, etc.), including elevations required for proper drainage. Please provide a detail of the perimeter road. Please provide plan sheets that show grades and drainage structures, berms, swales, benches, etc., required for appropriate drainage throughout the operation and closure of the facility.*

(Comment #20., cont'd)

- h. Sheet G-1. Please reference these details to the appropriate locations on the plan views, and provide revised plan sheets appropriately noted.

The following comments are for information only at this time or are editorial in nature and do not require an immediate response:

1. **Application form, Items #P.3, P.4.g(6), and P.5.** The application form indicates that the Closure report is "not applicable." The Department agrees that since the applications are for construction and operation that a closure report, final cover slope stability calculations, and closure operation plan are not required for the facility at this time. However, please note that this information shall be required as part of the closure permit application.
2. Please be advised that although the facility is exempt from a liner and leachate collection at this time, this exemption is based on the following conditions: construction of a 3-foot thick, 1×10^{-5} cm/sec clay layer below the proposed disposal footprint (including exterior slopes); strict waste screening and adequate unacceptable wastes removal; the absence of groundwater contamination at the site; and subsurface conditions that provide adequate support for the landfill and will not result in the direct discharge of leachate into groundwater. In the event that the Department receives information that shows that any of these conditions is no longer applicable, then the Department may withdraw approval of the exemption and require a liner and/or leachate collection and removal system.
3. **§7.1.4.. §7.1.4.1., §7.1.4.2.** Please be advised that the onsite clayey soils shall meet the borrow source demonstration requirement of Rule 62-701.400(8), F.A.C, in order to be used as the barrier layer in the final cover. This demonstration will be required as part of the closure permit application or permit.
4. **§7.1.4.5.** Please be advised that a specific closure CQA Plan and technical specifications will be required as part of the closure permit application. Please note that the information provided in this section does not meet the requirements of Rule 62-701.400(8), F.A.C.
5. Response #20.f. indicates that construction of the 6H:1V slopes "has not been feasible and the cells have been constructed as needed for waste disposal (i.e., approximately 2H:1V slopes)." Please be advised that this change may require a modification of the Pasco County development permit.

Please respond **within 30 days** after you received this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 30 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available. You are requested to submit your responses to this letter together, as one complete package. Please contact me at (813)632-7600 ext. 386 if you have any questions.

Sincerely,



Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp
Attachment

cc: Jennifer Deal, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, FL 32801, w/attachment
Donna Huber, Pasco County Development Review, 7530 Little Road, Suite 230, New Port Richey, FL 34654,
w/attachment
Richard Tedder, P.E., FDEP Tallahassee (email)
Chris McGuire, FDEP OGC (email)
Fred Wick, FDEP, Tallahassee
Douglas Hyman, P.E., FDEP Tampa, ERP (email)
Mara Nasca, FDEP Tampa, Air (email)
Steve Morgan, FDEP Tampa, SW (email)
John Morris, P.G., FDEP Tampa, SW (email)

Memorandum

Florida Department of Environmental Protection

TO: Susan Pelz, P.E. *SP*
FROM: John R. Morris, P.G. *JRM*
DATE: March 10, 2006
SUBJECT: Enterprise Class III Landfill Permit Renewal, Pasco County
Class III Landfill Operation Renewal Application, Pending Permit 177982-007-SO
Class III Landfill Construction Renewal Application, Pending Permit 177982-008-SC
Environmental Monitoring Review Comments (Responses to RAI #1)

I have reviewed portions of the materials submitted to the Department in support of the referenced applications for renewal of the operation and construction permits for the Enterprise Class III Landfill that were prepared by Tetra Tech HAI (TTH) on behalf of Angelo's Aggregate Materials, Ltd., received February 9, 2006. The submittals associated with the renewal applications include the following:

- Letter prepared by TTH dated February 8, 2006 providing responses to the Department's letter dated September 21, 2005 ("Response Letter"), including:
 - Revised pages to DEP Form No. 62-701.900(1), pages 4, 6 and 8, undated
 - Revised Engineering Report, dated January 2006
 - Revised Hydrogeological Investigation, dated January 2006
 - Revised Closure Plan, dated January 20, 2006
 - NSPS/Title V Information
 - Responses from Universal Engineering Sciences, dated January 25, 2006
- Construction Drawings for the Enterprise Recycling & Disposal Facility, drawing Nos. C-1, C-2, C-5 and G-1, signed/sealed February 8, 2006
- Document entitled "Water Quality Evaluation Report" (WQER), dated February 2, 2006

My review focused on the hydrogeologic and environmental monitoring aspects of the construction and operation permit applications. Additional information is needed to evaluate the adequacy of the monitoring plan. Please have the applicant address all of the review comments that do not include the phrase: **"No additional information is requested"**.

Please have the applicant submit responses to the following review comments that provide revised submittals, or replacement pages to the submittals, that use a ~~strike through~~ and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised pages (text, figures, tables, appendices, forms and site plans).

The review comment numbers presented below are consistent with my previous memorandum dated September 21, 2005. The information requests have been referenced to sections of the permit application form and are also referenced to the sections of the supporting documents where appropriate, as presented below:

DEP FORM NO. 62-701.900(1), SOLID WASTE MANAGEMENT FACILITY PERMIT FORM **SECTION A – GENERAL INFORMATION**

1. **A.5.:** Revised page 4 of the application form for this item was submitted that indicates the facility identification number assigned to this facility (SWD/51/87895). **No additional information is requested.**

SECTION B – DISPOSAL FACILITY GENERAL INFORMATION

2. **B.7.:** Revised page 6 of the application form for this item was submitted that reflects the adjacent residential and industrial land uses. **No additional information is requested.**

3. **B.12.:** Revised page 6 of the application form for this item was submitted that provides the facility location information. **No additional information is requested.**
4. **B.27.:** Revised page 8 of the application form for this item was submitted that provides stormwater management information. **No additional information is requested.**
5. **B.28.:** Revised page 8 of the application form for this item was submitted that describes the ERP permit information. **No additional information is requested.**

SECTION I – HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (Rule 62-701.410(1), F.A.C.)

6. **I.1.b.:**
 - a. Revised page 5-7 of the Hydrogeological Investigation was submitted that indicates piezometer P-13 was abandoned during October 2003. **No additional information is requested.**
 - b. Revised page 5-8 of the Hydrogeological Investigation was submitted that references Table 5-1. Revised Table 5-1 of the Hydrogeological Investigation was submitted that presents the ground water elevation data measured on March 26, 2001 and May 7, 2001. **No additional information is requested.**
 - c. Revised pages 5-8 and 5-9 of the Hydrogeological Investigation were submitted that reference the direction of ground water flow in the surficial aquifer during the sampling events conducted between July 2003 and April 2005, and reference that the surficial aquifer has been shown to be generally dry in the southeast portion of the property. **No additional information is requested.**
 - d. Please submit revisions to the fifth paragraph of Section 5.2.2 of the Hydrogeological Investigation to refer to Table 5-1A. Please submit revisions to Table 5-1A to include the water levels measured at all wells, piezometers and the staff gauge in the temporary stormwater pond during the April 2005 sampling event.
 - e. Please submit additional revisions to Section 5.2.2, Table 5-2 and Appendix 5-C of the Hydrogeological Investigation as appropriate to address the following items:
 - 1) Revised slug test results were submitted with legible hand-written comments. **No additional information is requested.**
 - 2) Although indicated in the Response Letter, the result for the slug out test conducted at P-3a was not included in the materials received February 9, 2006. It is noted that the response to review comment No. 6.e.(4) indicates that a slug out test was not conducted at P-3a. Please review this apparent inconsistency and submit revisions as appropriate.
 - 3) Although indicated in the Response Letter, the revised Table 5-2 was not included in the materials received February 9, 2006. Please submit a copy of the omitted information.
 - 4) Although indicated in the Response Letter, the revised Table 5-2 was not included in the materials received February 9, 2006. Please submit a copy of the omitted information.
 - f. Please submit revisions to the ground water velocity calculations provided on revised page 5-10 of the Hydrogeological Investigation to include a range of ground water velocities calculated using the maximum/minimum values for hydraulic conductivity and hydraulic gradient. Please submit additional revisions to Section 5.2.2 of the Hydrogeological Investigation to reference ground water contour maps prepared for the sampling events conducted between July 2003 and April 2005 and indicate on these contour maps what points were used to calculate the hydraulic gradients. Please note that the steepest hydraulic gradient for each contour map should be included in the range of ground water velocity calculations to represent the most conservative conditions.

- g. Revised pages 5-12 and 5-13 of the Hydrogeological Investigation were submitted that provide an updated calculation of vertical ground water velocity. **No additional information is requested.**
- h. The Response Letter and revised page 5-15 of the Hydrogeological Investigation were submitted that reference the supplemental slug tests that were conducted at wells MW-5B, MW-7B and MW-10B. The Response Letter indicates that the results of the slug tests were intended to be inserted into Appendix 5-C of the Hydrogeological Investigation. **No additional information is requested.**
- i. Please submit a revised ground water surface contour map for the Floridan aquifer wells using the elevations measured July 17, 2003 excluding the water level reported at piezometer P-11 to be consistent with the contour maps for subsequent sampling events. Please submit additional revisions to the fourth paragraph of Section 5.2.4 and the fourth paragraph of Section 5.3.1 of the Hydrogeological Investigation to describe the direction of ground water flow in the Floridan aquifer consistent with the contour maps for the sampling events conducted between July 2003 and April 2005.
- j. Please submit additional revisions to the range of hydraulic gradients measured on the contour maps for the sampling events conducted between July 2003 and April 2005 to be consistent with the response provided to review comment No. 6.i., above, as appropriate.
- k. Please submit revisions to the ground water velocity calculations provided on revised page 5-15 of the Hydrogeological Investigation to include a range of ground water velocities calculated using the maximum/minimum values for hydraulic conductivity and hydraulic gradient. Please submit additional revisions to the fourth paragraph of Section 5.2.4 of the Hydrogeological Investigation to reference ground water contour maps prepared for the sampling events conducted between July 2003 and April 2005 and indicate on these contour maps what points were used to calculate the hydraulic gradients. Please submit a revised ground water surface contour map for the Floridan aquifer wells using the elevations measured July 17, 2003 excluding the water level reported at piezometer P-11 to be consistent with the contour maps for subsequent sampling events. Please note that the steepest hydraulic gradient for each contour map should be included in the range of ground water velocity calculations to represent the most conservative conditions.

SECTION M – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS
(Rule 62-701.510, F.A.C.)

- 7. **M.1.b.:** Revised pages 5-21 and 5-24 of the Hydrogeological Investigation were submitted that reference sampling collection in accordance with the Department's SOPs and that the laboratory used for sample analyses will hold the appropriate certificates from the Florida Department of Health, Environmental Laboratory Certification Program. **No additional information is requested.**
- 8. **M.1.c.(1):**
 - a. Based on the inability to collect representative ground water samples from newly installed wells MW-3 and MW-4, please submit revisions to the well phasing schedule to include wells MW-3B and MW-4B. Please submit revisions to Figures 15A and 17 to include the locations of and proposed construction details for proposed wells MW-3B and MW-4B. Please submit additional revisions to Section 5.3.1 of the Hydrogeological Investigation to discuss the need to install Floridan aquifer monitor wells adjacent to proposed surficial aquifer monitor wells for future cells (Cell 3 – MW-11B and Cell 8 – MW-14B).
 - b. The Response Letter indicated that well MW-1 will remain in the monitor well network until excavation of Cell 8 commences. **No additional information is requested.**
- 9. **M.1.c.(6):** In the event that the response to review comment No. 8.a., above, includes the proposed installation of additional Floridan aquifer monitor wells, please submit additional revisions to Section 5.3.2 and Figures 15A and 17 of the Hydrogeological Investigation, as appropriate.

10. **M.1.f.(3):** Please note that the appropriateness of the semi-annual ground water sampling frequency referenced in Section 5.4.5 of the Hydrogeological Investigation will be evaluated up review of the response to review comment Nos. 6.f., and 6.k., above.

11. **M.1.g.:** Revised page 5-24 of the Hydrogeological Investigation was submitted that references "evaluation monitoring" and the 30-day period to conduct confirmatory sampling at detection wells. **No additional information is requested.**

12. **M.1.h.(2):** Please submit responses to the following review comments referenced to the WQER:

2.0 Ground Water Monitoring Plan

a. Please submit revisions to this section to indicate that wells MW-8B, MW-9B and MW-10B were installed prior to the April 2005 sampling event.

3.0 Field Parameters

b. Please submit revisions to Table 1 to be consistent with the reports of results for the routine sampling events that were submitted to the Department:

- pH was measured at 5.36 S.U. at the end of purging at well MW-7B during the April 2004 sampling event.

c. Please submit revisions to the second paragraph of this section to compare the field measurements of dissolved oxygen with the purging criterion (<20% saturation) presented in the Department's Standard Operating Procedure FS 2200. Please include a discussion of the variability in concentrations of dissolved oxygen that have been reported for the routine sampling events. Please note that the Department's Standard Operating Procedure (DEP-SOP-001/01, FS 2200 – Ground Water Sampling) provides criteria to determine when well purging is complete, including dissolved oxygen no greater than 20 percent of saturation (FS 2212, Section 3.1). Documentation of site conditions to demonstrate why this field parameter has exceeded the purging criterion in this SOP have not been provided in the reports for the sampling events.

4.0 Detections and Exceedances of Sampling Parameters

d. Please submit revisions to Table 2 to be consistent with the reports of results for the routine sampling events that were submitted to the Department:

- Please include the results for the resampling event conducted at well MW-7B during November 2003;
- Ammonia was reported at 0.5 mg/L at well MW-7B during the April 2004 sampling event; and,
- Phenol analysis was limited to the initial sampling events conducted during July 2003 (wells MW-1, MW-1B, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-8 and MW-10) and April 2005 (wells MW-8B, MW-9B and MW-10B), and the resampling event conducted at well MW-7B during November 2003. Please submit revisions to Table 2 to indicate that phenol was not analyzed during the sampling events conducted during April 2004, October 2004 and April 2005 (excluding the initial sampling event analyses conducted at wells MW-8B, MW-9B and MW-10B, as indicated above).

e. Please submit revisions to the seventh paragraph of this section to clarify which sampling events included the analysis of phenol (see the third bullet item in review comment No. 12.d., above). Please include a discussion of the results reported for phenol during the resampling event conducted at well MW-7B (November 2003).

5.0 Comparison of Up-Gradient and Down-Gradient Wells

f. Please submit revisions to the first paragraph of this section to be consistent with the response provided to review comment No. 12.c, above, regarding the variability reported for field-measured dissolved oxygen and compliance with SOP FS 2200 regarding the purging criterion for dissolved oxygen.

6.0 Comparison Between Surficial and Floridan Aquifer Zones

g. Please submit revisions to the third paragraph of this section to be consistent with the response provided to review comment No. 12.c., and 12.f., above, regarding the variability reported for field-measured dissolved oxygen and compliance with SOP FS 2200 regarding the purging criterion for dissolved oxygen.

8.0 Interpretation of Ground Water Flow

f. Please submit a revised ground water surface contour map for the Floridan aquifer wells using the elevations measured July 17, 2003 excluding the water level reported at piezometer P-11 to be consistent with the contour maps for subsequent sampling events. Please submit revisions to the first paragraph of this section to discuss the direction of ground water flow indicated on this revised map.

g. Please submit revisions to the ground water velocity calculations provided in the second paragraph of this section to include the range of ground water velocities calculated using the maximum/minimum values for hydraulic conductivity and hydraulic gradient. Please submit revised ground water contour maps for the sampling events presented in Tables 3 and 4 to indicate what points were used to calculate the hydraulic gradients. Please note that the steepest hydraulic gradient for each contour map should be included in the range of ground water velocity calculations to represent the most conservative conditions.

11.0 Conclusion

h. Please submit revisions to the first paragraph of this section to provide recommendations for further investigation in the event that the proposed redevelopment of well MW-7B (Section 5.0, first paragraph) does not resolve the elevated pH concentrations.

SECTION P – LANDFILL FINAL CLOSURE REQUIREMENTS (Rule 62-701.600, F.A.C.)

13. **P.2.b.(5):** The rationale presented in the "Response Letter" that an updated Closure Plan shall be required as part of a future closure permit application for the facility is correct. However, sufficient details regarding the conceptual Closure Plan and related long-term care activities and frequencies are required at this time to allow the Department to verify that the financial assurance cost estimates provided for these activities are adequate. As previously requested, please submit revisions to Section 7.2 of the Reclamation and Closure Plan to address the following requirements of Rule 62-701.600(5)(f)4, F.A.C., for monitoring, maintenance, correction of deficiencies/problems and replacement of monitoring devices, including their frequency of implementation:

- final cover condition (regrading areas that have settled);
- vegetative cover condition (reseeding or sodding areas that have been regraded, and fertilization);
- ground water monitoring system (monitor well and piezometer maintenance and repair/replacement);
- landfill gas management system (gas vent maintenance and repair/replacement);
- access control;
- stormwater drainage features condition (retention pond maintenance); and,
- contingency plan for emergencies (fires, severe weather events).

I can be contacted at (813)-632-7600, extension 336, to discuss the comments in this memorandum.

jrm



TETRA TECH HAI

Mark A. Rynning, PE, M.B.A.
James E. Christopher, PE
Charles W. Drake, PG
William D. Musser, PE, P.H.
Lawrence E. Jenkins, P.S.M.
Jon D. Fox, PE
Jill M. Hudkins, PE

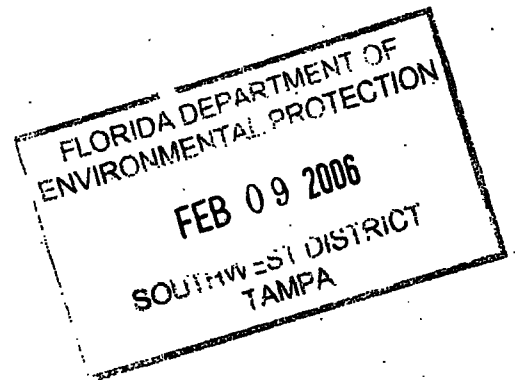
Roderick K. Cashie, PE
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Daniel M. Nelson, PE

Andrew T. Woodcock, PE, M.B.A.
John P. Toomey, PE
Jennifer L. Woodall, PE
Valerie C. Davis, PG
Charles M. Shultz, PE
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, PG
James R. Warner, PE

February 8, 2006

Via UPS Overnight

Mr. Steve Morgan
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637



**Subject: Angelo's Aggregate Materials, Ltd.
Enterprise Recycling & Disposal Class III Landfill
Pending Permit Nos.: 177982-007-SC and 177982-008-SO
Pasco County**

Dear Mr. Morgan:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI is submitting for your review responses to the Department's comments, dated September 21, 2005, regarding the above referenced pending permits. Revised documents are attached as necessary to be inserted in the previously submitted application books. For your ease of review, the Department's comments are stated first with our responses following.

GENERAL:

1. The requested information and comments below do not repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.

Response: Acknowledged.

2. Please submit 4 copies of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded ~~shaded~~ or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.

Response: Four copies of the revise documents are included in this submittal.

3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same

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Mark A. Rynning, PE, M.B.A.
James E. Christopher, PE
Charles W. Drake, PG
William D. Musser, PE, PH
Lawrence E. Jenkins, PSM

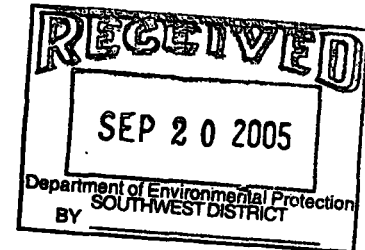
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Charles M. Shultz, PE
Sean M. Parks, AICP, QEP
W. Bruce Lalenz, PG
Alexis K. Stewart, PE
Christopher W. Hardin, PE
James R. Warner, PE

September 19, 2005

Via UPS Overnight

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619



**Subject: Cell 14 Confining Layer Certification
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida**

Tt HAI #99.0331.023
File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is submitting this certification for the confining layer in Cell 14 at the above referenced facility. Confining layer construction activities were completed in May 2005. The certification form is included in Appendix A.

Specific Condition 9.c of the facility construction permit #177982-001-SC, in part, states "The maximum hydraulic conductivity below or as part of each cell floor shall be less than 1×10^{-6} cm/sec in a continuous layer of at least 36 inches in thickness, unless otherwise approved in writing by the Department."

Confining Layer Construction

Construction of the confining layer in Cell 14 was performed in concurrence with raising the cell floor elevation in Cell 15, in accordance with FDEP stormwater permit #51-0172489-007. A representative of Universal Engineering Sciences (UES) was on-site to document construction activities and verify that the work was performed to Tt HAI's criteria. This included verification of the use of appropriate confining material and compaction equipment, coordination with Foresight Surveyors, Inc. (Foresight) for documentation of the excavation and fill elevations, and on-site soil testing and permeability test sample collection. Angelo's used a track hoe to excavate the cell. Foresight verified the excavation grades to ensure that the appropriate base elevation was achieved. Surveys of the constructed areas were also completed to ensure the appropriate cell floor grades and confining material thickness were achieved. Copies of the excavation and fill as-built surveys, including the cell boundaries, are attached for your review in Appendix B.

(See Bond Document)



TETRA TECH HAI

Ms. Susan Pelz, P.E.
September 19, 2005
Page 2

Clay material excavated from Cell 14 was used for construction of the confining layer. To be acceptable for confining layer construction in Cell 14, Tt HAI required the material compaction to achieve 95% of the maximum density, as evaluated by the laboratory proctor test. The result of the Wash 200 test on the material was 53.4%. The optimum moisture content for the material to achieve maximum compaction was 19.5%. The results of the proctor test, provided by UES, are attached for your review in Appendix C.

The designated confining material was spread in three lifts, at least 12-inches in thickness, and compacted by multiple passes with a loaded articulating dump truck (ADT). The ADT compacted the material in the bottom of the excavation and into the cell side slopes. A representative of UES was on-site to document the confining layer construction activities and dates of testing, and to conduct in-place density testing on the confining layer lifts and to obtain soil samples for confirmation laboratory permeability testing. A copy of UES's construction summary and test results are provided in Appendix D.

Field CQA and Permeability Testing

In-place density testing of the confining material lifts was performed by UES using a Speedy Moisture Content device in accordance with ASTM D2937-00e1, Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method, to test each compacted lift to ensure the proper density and moisture content were achieved. Field test results were reviewed by Tt HAI and demonstrate that appropriate compaction was achieved during construction.

Shelby tube samples were collected for laboratory confirmation testing for permeability at a frequency of one sample, per acre, per lift, as previously requested by the Department. Permeability samples were collected in accordance with ASTM D1587, Standard Practice for Thin-Walled Tube Geotechnical Sampling of Soils. Eighteen permeability samples were collected from Cell 14 and correspond to the locations and depths of the in-place density tests. Please see the location plans in Appendix E, provided by UES, for reference. Permeability testing was completed by UES, in accordance with ASTM D5084-00e1, Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter. Permeability test results, along with UES's Permeability Test Location Plans, are included in Appendix E. The permeability sample test dates will not necessarily correspond with the sample collection dates. This is due to sample preparation and limited laboratory equipment to run all of the collected samples concurrently.

Permeability tests were collection from locations 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 2-2, 2-4, 2-5, 2-6, 2-8, 2-9, 3-1, 3-2, 3-3, 3-4, 3-5, and 3-6, in substantial accordance with the pre-approved test locations. In-place density tests were taken at all permeability test locations with the exception of 3-1, 3-4, and 3-5. However, other in-place density tests were taken in the proximity of these locations. Additional locations indicated on the Foresight As-built Survey, Cell 14 Test Locations were locations of supplemental in-place density tests.



TETRA TECH HAI

Ms. Susan Pelz, P.E.

September 19, 2005

Page 3

Initially, three of the test locations, 2-4, 3-3, and 3-4 did not pass the permeability requirements. The permeability results did not seem comparable with the material descriptions. Since all three tests were performed by a subcontracted laboratory, UES resampled these locations and performed the permeability testing. The samples tested by UES met the permeability requirements. The retest results are included in Appendix D.

Photographs of some construction activities, provided by UES, are included on a CD in Appendix E along with Photograph Location Plans.

Field Inspection

A representative of Tt HAI performed a field inspection to observe the completed construction. At the time of the inspection, the cell floor appeared to be constructed properly and in accordance with the requirements previously discussed with the Department, and included in the modified construction permit. Photographs (#4-11) from this site visit are included in Appendix F. The general locations and directions of the photographs have been hand-entered on a copy of the Foresight As-built Survey, Cell 14 Test Locations. This is also provided in Appendix F.

We trust this submittal will satisfy the Department's certification requirements. Please call me if you have any questions or require additional information.

Very truly yours,

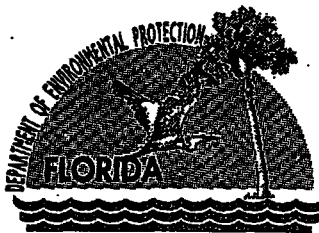
Tetra Tech HAI

Jennifer L. Deal, P.E.

7/19/05 Project Manager

JLD/cr/99.0331.023/corresp/Cell 14 cert.jld
Attachments

cc: Jeff Rogers, Angelo's



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

September 21, 2005

RE: Enterprise Recycling & Disposal Class III Landfill
Pending Permit Nos.: 177982-007-SC and 177982-008-SO, Pasco County

Dear Mr. Iafrate:

This is to acknowledge receipt of your permit application and supporting information, dated August 18, 2005 (received August 23, 2005), prepared by Tetra Tech HAI [HAI], to continue construction and operation of an existing Class III landfill and related facilities, referred to as the **Enterprise Class III Landfill**, located at **41111 Enterprise Road, Dade City, Pasco County, Florida**.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit is incomplete. This is the Department's first request for information. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received. The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

The following information is needed in support of the solid waste applications [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

GENERAL:

1. The requested information and comments below do not repeat the information submitted by the applicant. However, every effort has been made to concisely refer to the section, page, drawing detail number, etc. where the information has been presented in the original submittal.
2. Please submit 4 copies of all requested information. Please specify if revised information is intended to supplement or replace previously submitted information. Please submit all revised plans and reports as a complete package. For revisions to the narrative reports, deletions may be struckthrough (~~struckthrough~~) and additions may be shaded ~~shaded~~ or similar notation method. This format will expedite the review process. Please include revision date on all revised pages.
3. Please provide a summary of all revisions to drawings, and indicate the revision on each of the applicable plan sheets. Please use a consistent numbering system for drawings. If new sheets must be added to the original plan set, please use the same numbering system with a prefix or suffix to indicate the sheet was an addition, e.g. Sheet 1A, 1B, P1-A, etc.

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4. Please be advised that although some comments do not explicitly request additional information, the intent of all comments shall be to request revised calculations, narrative, technical specifications, QA documentation, plan sheets, clarification to the item, and/or other information as appropriate. **Please be reminded that all calculations must be signed and sealed by the registered professional engineer (or geologist as appropriate) who prepared them.**
5. Several items have been noted on the application form as "N/C." For all items marked "N/C," please provide the specific title, date, preparer and location of the information in the document referenced, including subsequent revisions. Please be advised that if the referenced documents are not currently located in the Department's files, copies of these documents may be requested to verify that the information referenced is still valid. [Rules 62-701.320(10)(c) and 62-701.320(5)(b), F.A.C.]
6. **Application form.** [Rule 62-701.320(7), F.A.C.]
 - a. Item #B.11. This item indicates that two spotters are used at the facility. It appears that the facility will receive approximately 6000 cy/day (2,142,000 cy/year divided by 360 days/year). Please provide calculations that demonstrate that two spotters are adequate for this waste acceptance rate.
 - b. Item #E.13. Please provide proof of publication of the attached Notice of Application. [Rule 62-701.320(8), F.A.C.]
7. **Prohibitions.** [Rule 62-701.300, F.A.C.] Please provide documentation that demonstrates that each of the prohibitions will not be violated by the construction or operation of this facility.
 - a. Please specify the distance to each of the potable wells that are located within 1000 feet of the site (Egr Report, §3.3).
8. Please provide plans that meet the requirements of Rule 62-701.320(7)(f), F.A.C. The plans submitted did not include a cover sheet and clearly show all necessary details. See also Comments #11.t and 20.
9. Please provide proof of notification of local elected officials required by Rule 62-701.320(8), F.A.C.
10. Please provide documentation that demonstrates that the setback requirements of Rule 62-701.320(12), F.A.C., are not violated by the proposed construction and operation of the facility.
11. **Engineering Report** [Rule 62-701.320(7)(d), F.A.C.]
 - a. §3.4, Topography. Please clarify which figure is intended to be Figure 3-3. Sheets titled, "Boundary and Topographic Survey of the Pasco County Landfill for Sid Larkin & Son, Inc," dated June 5, 2000, "Enterprise Recycling and Disposal Facility Cell 1 and 2 Topographic Survey," dated July 27, 2005, and "Cell 15 As Built Survey," dated June 14, 2005 were provided after Figure 3-2. However, none of these sheets is annotated as Figure 3-3.
 - b. §3.4.1, 100-year flood prone areas. Please provide information or a figure from SWFWMD (or the FEMA floodplain map) that shows the floodplain and the facility boundaries.

(Comment #11, cont'd)

c. §3.7, Excavation Operations and Cell Construction. Please provide (or reference) the figure that shows the "excavation setback of 200 feet and... restoration slope of 6H:1V." Please provide Figure 3-7. The first paragraph in this section indicates that the landfill excavation slope will be 2H:1V. However, the next paragraph states, "excavation slopes will not exceed 6H:1V." Please clarify this inconsistency. Please clarify the reference to Cell 1 being used as "the original temporary stormwater pond." Please provide procedures for placing the clay on 2H:1V slopes. Please show the "working face and the 6H:1V excavation slope of the adjacent cell... [and] berm and conveyance..." on the drawings. Please explain the reference to "the current working cell shall be overcut by 50 feet..." Please show the 6-foot wide berm used to "prevent stormwater from entering the working face" on the drawings. Please provide a table that includes the schedule for excavation, construction, waste disposal and closing for each cell.

d. §3.8, Method of Cell Sequence.

1) The information indicates that completion of cells 14, 16 and portions of 5 will include building up the pond bottom with "clean debris" or "clean fill" to elevation +80 ft. NGVD. Please clarify if the "clean debris" or "clean fill" proposed to be used is soil or may include concrete rubble. It does not appear that the slope stability analyses have included concrete rubble in the calculations. In the event that concrete rubble is proposed, additional geotechnical investigation and/or calculations may be required.

2) Please provide a table that includes the schedule for excavation, construction, waste disposal and closing for each cell. It appears that the excavation Phases do not correlate with the proposed landfill sequencing. For example, although the landfill Sequence 2 indicates that a portion of Cell 5 (Phase 8) is the next cell to be filled after Cell 15, the excavation sequence indicates that Phase 6 (Cell 3) would be the next area to be excavated (assuming a sequential excavation plan).

3) Please specify which "ponds constructed for completed cells within the buffer areas will approximately replace the... northeast temporary pond."

4) Please provide procedures and plans that show how "stormwater will be diverted to the onsite temporary storage pond until the latter part of the landfill life when Cells 14 & 16 begin to accept waste." (page 3-9) This information may be submitted as part of the Operations Plan.

e. §3.8.1, Vertical expansion. Please provide Figure 3-10. Please show the "series of swales and other stormwater conveyance[s]" that will be used to prevent side slope erosion. Please clarify "interior temporary sideslopes" show them an appropriate Figure or plan sheet.

f. §3.8.2, Erosion control. Please explain the references to excavation to "6H:1V sidewall slopes" and "2H:1V slope for outer cell boundaries." Please show the "outer edge slopes" on the plan sheets. Please explain how the "fill should be placed to a height of one-half the vertical height of the slope" on the western slope.

(Comment #11, cont'd)

g. §3.8.3, Life expectancy. Please specify the "similar landfill" whose "quarterly reports" provided the basis for the design life. Please provide Table 1. Please provide the tonnage received and airspace used for each year of operation for the Enterprise Landfill. Since the facility has site-specific data, this data should be used in determining the design life. Please provide the basis for assuming 2,142,000 cy/year will be received at the facility. Please explain the basis and provide references and calculations supporting the information submitted. [Rule 62-701.330(3)(e), F.A.C.]

h. §3.9, Waste compaction and application of cover. Please specify which wastes are "bulky [and] incompressible." Please clarify which wastes will be "reduced as appropriate by the chipper/crusher." Please be advised that since this facility is unlined, the Department does not authorize the acceptance of shredded/chipped/grinded or otherwise size-reduced mixed wastes for disposal at this facility. It does not appear that Sheet C-1 provides an "illustration of the cell closure sequence." Please provide this information. Please be advised that the final cover shall meet the requirements of Rule 62-701.400(7) and (8), F.A.C., as well as Rule 62-701.600, F.A.C. Please revise this section accordingly.

i. §3.10.1, Gas monitoring and control. Please provide procedures for the "daily surveys of the landfill" (this may be included in the Operations Plan). Please clarify how landfill gas will be "surveyed" by the site manager. Please include DEP in notifications of gas exceedances. Please clarify if the facility operation (as well as design) will prevent the contact of surface and groundwater with wastes. Please provide examples of the "immediate corrective actions" that will be taken to "abate any detected onsite odors."

j. §3.10.1.1, Gas probe locations. Please specify how many gas probes are existing, how many are proposed and a schedule for installation.

k. §3.10.1.3, Methane gas measurement. Please clarify the reference to "landfill closure permits." Please revise this section to specify that the action level for methane in structures is 25% of the LEL.

l. §3.10.1.4, Gas contingency plan. Please specify the frequency that methane will be monitored in "nearby structures" if the levels in the probes are greater than 100% LEL. Please include DEP in the notifications that gas in structures is greater than 25% LEL.

m. §3.10.1.5, Passive gas vents. Please provide documentation from the Department's Air Section that indicates that NSPS and/or Title V permits are not required.

n. §3.10.2, Leachate control. Please explicitly describe the "strict method of controlling wastes disposed." The information submitted in the application does not appear to be extraordinarily strict, but appears to represent typical industry practice. Please be advised that "rainwater runoff flowing through the fill material" is leachate by definition (see Rule 62-701.200(66), F.A.C.).

(Comment #11, cont'd)

o. §3.10.3, Stormwater controls.

1) Please clarify how stormwater is controlled by "percolation into the soil or by overland flow to the temporary stormwater pond." It does not appear that swales, berms or other method are shown on the plan sheets to divert stormwater to the temporary pond. §3.10.2 states, "no liner or leachate control system is required... based on an existing natural clay layer underlying the landfill." Since there is an underlying clay layer, it is not clear how stormwater is controlled by "percolation." Please clarify.

2) Please note that Department staff observed water leaving the property on the northeast corner of the site during its inspection in August 2005. Similarly, the Department received complaints concerning the discharge of water from the Enterprise facility during summer 2004. Please provide a current topographic survey that shows the north and east property boundaries, all disposal areas, berms, and swales used to control stormwater, to demonstrate that stormwater does not discharge from the property.

p. §3.11, Erosion control. Since the facility is designed to fill above grade, please explain how "the site's inherent design as an excavation pit will prevent stormwater from leaving the property." See also Comment #11.o.

q. §3.13, Setbacks and visual buffers. Please clarify if the "boundary lines" are the property boundaries. Please clarify if the landscaping has been completed.

r. §3.14, Foundation analysis. Please provide a revised foundation analysis and lineament study that includes the 2004 subsidence occurrence at the site. See also Comment #15.

s. §3.15, Certification. Please specify the testing frequency for the density tests for each lift of the clay layer.

t. Figures. Please provide revised figures and plan sheets that are consistent and include all revisions requested by this comment and Comment #20.

1) *Boundary and Topographic Survey of the Pasco County Landfill for Sid Larkin & Son, Inc., dated June 5, 2000.* Please provide a signed and sealed copy of this plan sheet. Please specify the date of the contours on this sheet.

2) *Enterprise Recycling and Disposal Facility Cell 1 and 2 Topographic Survey, dated July 27, 2005.* Please provide a Figure # on this sheet. This sheet appears to show that the facility may have filled outside the permitted footprint. Please provide a topographic survey of the entire site, that shows all disposal areas, current contours, stormwater ponds, setbacks, etc. See also Comments #13, and #20.

3) Please provide Figures 3-6 through 3-10 and Figures 3-21 through 3-25.

4) Figures 3-13, 3-15, 3-19, 3-20 do not appear to show the current configuration of the site (e.g., scalehouse, septic tank location, etc.). Please provide revised figures that show the as-built configuration of the site.

(Comment #11.t., cont'd)

- 5) Figure 3-17 does not clearly distinguish between the proposed excavation contours and sequence elevation contours. Please revise accordingly.
 - 6) Figure 3-18. Please show all benches and terraces on the sequencing plans. Please explain Phase 5A. This Phase does not appear to be described in the sequence narrative or shown on the plan sheets. Please explain the discontinuity in the 95 ft. contour line near Pond 2. Please include the dashed line type in the legend.
 - 7) Sequencing plans (Figures 3-17, 3-18, 3-19, 3-20). Please provide a revised figure that utilizes cross-sectional arrows to show the direction of view for each cross-section. Please provide east-west cross-sections for each cell.
 - 8) Figures 3-26, 3-27, 3-28, 3-29, 3-30. Please specify the top slope of each lift such that the lift will drain appropriately. Please clarify Note 1 on Figures 3-28 and 3-29 that indicates that the lifts will be "graded slightly to promote stormwater runoff to the swale." There does not appear to be a swale shown on these figures. Please provide details of the benches.
12. Please provide a vicinity map (not more than a year old) that shows the one-mile radius around the landfill site, clearly identifies nearby roads, water bodies and other significant features and includes a legend identifying the land use associated with the various codes shown on the figures. Please note that all significant features shall be labeled [Rule 62-701.330(3)(a), F.A.C.].
13. Please provide a current topographic survey. [Rule 62-701.330(3)(d), F.A.C.]
14. **Operations Plan (Appendix 3-A).** [Rules 62-701.400(9), 62-701.500, 62-701.520, and 62-701.530, F.A.C.] Please provide a comprehensive Operations Plan that incorporates the responses to these comments. Replacement pages with revisions noted may be provided (deletions may be struckthrough [~~struckthrough~~] and additions may be shaded ~~shaded~~ or a similar method may be used) with each page numbered with the document title and date of revision. This plan will be reviewed in its entirety after responses are received. Information in some sections of the Operations Plan are similar to the information contained in the Engineering Report. In these sections, comments are not reiterated, but responses should include revised Engineering Report and Operations Plan sections as appropriate.
- a. §4.0. Please specify the "two working pieces of equipment" that are required for "all stages of landfill operation."
 - b. §5.1. Please specify how many loads and the hauler/generator for all loads "turned away" in 2004 and 2005. Please provide examples of unacceptable wastes items that have been discovered by the video camera and scalehouse personnel and have been subsequently prohibited from disposal in 2004 and 2005. Please specify who will remove the unacceptable wastes and when.
 - c. §5.3. Please specify the maximum quantity and timeframe for storing batteries, paint, chemicals, etc. Please provide details of the "secured maintenance building."

(Comment #14, cont'd)

d. §5.4. Please clarify if industrial wastes and excavated wastes (from old dumpsites or landfills) are considered to be unacceptable wastes. Please revise this section as appropriate.

e. §5.5. Please clarify if random load checks will be conducted once per day. Please clarify if unauthorized materials that are "immediately... reloaded onto the customer's vehicle for removal from the site" are logged before reloading. Please provide a list (name of hauler/generator, type of unacceptable waste) of all loads rejected and reloaded onto customers' trucks in 2004 and 2005.

f. §5.6. Please clarify if asbestos loads are received at pre-arranged times/days.

g. §5.7. Please be advised that waste processing and recycling requires a separate permit unless the activity is incidental to the disposal operation. Please provide all information required by Rule 62-701.710, F.A.C. concerning incidental materials recovery and recycling at this site. Please note that if the applicant's intention is to accept loads of "primarily recyclable products," then a separate waste processing facility permit will be required. Please be advised that whole waste tires are not acceptable for disposal in a landfill.

h. §5.7.1. Please clarify if recovered materials report will also be provided to DEP quarterly.

i. §8.0, 8.2, 8.3, 9.0, 10, 10.1, 10.1.1, 10.1.2, 10.2, 10.3, 20.0., 23.0. Please see Comment #11.

j. §13.0. Please provide the criteria for determining that blowing litter has become "a problem."

k. §14.0. Please provide waste handling procedures in the event of a fire.

l. §14.1. Please explain how a hot load that is "immediately covered with earth" can be spotted and unacceptable wastes removed. Please clarify what "spills from waste vehicles" are not anticipated. Please specify the disposal facility for contaminated soils.

m. §15.0. Please provide training certificates for all site personnel. Please explain how "the driver [will] reload the [unacceptable] waste into the vehicle." Since only 1 equipment operator, 1 landfill operator and 1 spotter are expected to be at the facility at any time, please explain how the projected approximately 6000 cy/day (2,142,000 cy/year divided by 360 days/year) can be adequately spotted, unacceptable wastes removed and waste compacted during lunch breaks, vacations or in the event of personnel illness.

n. §17.0 Please specify the frequency for the processing the wood wastes. Since the wood waste acceptance area is remote from the landfill disposal cells, please clarify if a spotter will be present at the wood waste area when loads are being received to remove unacceptable wastes.

o. §17.1. Please provide details and show the "permanent equipment fueling facility" on the plan sheets. Please provide a schedule for construction. Please specify where oil and antifreeze will be contained. Please specify the used oil contractor that will remove the used oil and antifreeze, and specify the frequency for removal.

(Comment #14, cont'd)

p. §19.2. Please specify the procedures for, and frequency of, "self inspection of landfill conditions." Please clarify if load checking reports are included in the landfill operating records.

q. §21.0. Please clarify the reference to "mixed areas."

r. Appendix A. Please explain why Mr. Jon Larkin is the 24-hour contact for the facility.

s. Appendix 3-B. Please provide procedures in the event that hazardous waste is received at the site. Please provide procedures that must be followed in the event of a fire. Please explain how sorbent material is expected to absorb spills since most of the site is not paved. Please provide procedures for waste handling in the event of fire, inadequate personnel, or other interruptions in operations. Please specify the equipment rental companies that will be used to obtain reserve equipment. Please provide copies of these agreements. It has been the Department's experience that during or after emergency conditions (e.g., hurricanes in 2004) or other operational or market conditions, that reserve equipment (e.g., generators, trucks, trailers) are difficult to obtain and may adversely impact the operation of the landfill. Please explain how these conditions will be accommodated.

15. **Section 4, Geotechnical Report.** [Rule 62-701.410, F.A.C.]

a. Please submit an updated geotechnical investigation that considers the subsidence/sinkhole that occurred onsite in 2004. The report by Universal Engineering Sciences dated May 5, 2000 includes information that appears to no longer be valid.

1) Page 1 indicates that the report was based on an assumption of "debris fill... about 60 feet thick." However, Sheets C-2 and C-5 show the waste thickness will be approximately 89 feet thick at some locations.

2) Since the facility has been operating for several years, the actual unit weight on waste/cover soil should be available to be used in the foundation analyses (settlement, bearing capacity, slope stability). Please provide revised analyses that include actual bulk density information from the site.

3) §3.5 indicates that the slope stability analyses assumed 4H:1V slopes. Although the final slopes are proposed to be 4H:1V, the working face (see Egr Report §3.8 and Op. Plan §8.1) is proposed to be 3H:1V. It does not appear that the slope stability analysis conducted in 2000 included this configuration. Please provide a revised analysis as appropriate. Please include all printouts, assumptions, figures, references, assumptions, etc., used in support of the analysis.

4) §3.4 indicates that "loss of drilling fluid circulation while advancing a borehole" may be an indication of sinkhole activity. It appears that this loss of circulation occurs in several of the boring logs (B-05, 53 ft bls; B-06, 53 ft bls; B-07, 23 ft. bls; and B-09, 48 ft. bls). Based on these occurrences and since there was an occurrence of a sinkhole onsite during the construction of Cell 15/16, please provide an updated sinkhole and lineament investigation. Although the Hydrogeological Investigation, Section 5, §5.1.6., indicates that the loss of circulation occurred at the "contact between clay and limestone," the boring logs in Section 4 (Geotechnical investigation) do not appear to support this conclusion.

(Comment #15.a, cont'd)

5) Please provide a boring plan sheet that includes boring B-03A.

6) Please specify the test method that was used to determine the vertical permeability.

16. **Section 5, Hydrogeological Investigation** [Rule 62-701.410, F.A.C.]

a. Please respond to Mr. John Morris' memorandum dated September 21, 2005, attached.

b. §5.1.6, 5.1.7. Please submit an updated geotechnical investigation (settlement, bearing capacity, slope stability) that considers the subsidence/sinkhole that occurred onsite in 2004. See Comment #15 above.

17. **Section 6, Stormwater Management** [Rule 62-701.400(9), 62-701.500(10), F.A.C.]

a. Please clarify if stormwater was pumped from the temporary pond (cell 16) to the borrow pit or Pond 1 during construction of Cell 15 or portions of the temporary pond (cell 14). If stormwater was pumped to the borrow pit or Pond 1, please provide the sampling results required by stormwater permit #51-0172489-007, Specific condition #20.

b. Please provide revised plan sheets that detail all ditches, berms, swales, benches, downcomer pipes, and other stormwater management devices.

18. **Water Quality Monitoring Requirements (Part M).** [Rule 62-701.410 and 62-701.510, F.A.C.] Please respond to Mr. John Morris' memorandum dated September 21, 2005, attached.

19. **Section 7, Reclamation and Closure plan.** [Rules 62-701.320(7)(e)1., 62-701.600, 62-701.610, 62-701.620, F.A.C.]

a. Please provide a table that includes the schedule for excavation, construction, waste disposal and closing for each cell.

b. §7.1.1. Please explain why the operator would be placing waste on a "completed cell."

c. §7.1.2. Please clarify the reference to Cell 1 at the "northeast corner" of the property. Please provide plans that show and include details for the "drainage enhancements."

d. §7.1.3. Please revise the rules referenced to delete Chapter 62-25 which was replaced by Chapter 62-330, F.A.C. Please provide plans that show and include details for the stormwater designs. This information does not appear to be provided in Section 6.

e. Table 1. Please include dates or timeframes on this table. See also Comment #19.a.

f. Please respond to Mr. John Morris' memorandum dated September 21, 2005, attached.

g. Appendix 7-A. Financial Assurance Requirements [Rule 62-701.630, F.A.C.] Please respond to the Department's letter dated September 21, 2005 concerning financial assurance cost estimates (sent under separate cover).

20. **Plan Sheets.** [Rules 62-701.320(6), 62-701.320(7)(f), 62-701.500, F.A.C.]
- a. Please provide all drawings, signed and sealed by a registered professional engineer.
 - b. Please provide revised drawings that include current topographic contours. Please provide north-south and east-west cross-sections for each cell. Please show the appurtenant facilities (e.g., scalehouse, maintenance building, etc.) on all appropriate sheets. Please provide plan sheets that show grades and drainage structures, berms, swales, benches, etc., required for appropriate drainage throughout the operation and closure of the facility. Please provide plans that show the construction and filling (each lift) of each cell.
 - c. Sheet C-1. Please provide an explanation for each of the symbols shown in the legend. Please note which ponds are already constructed, and which are proposed. Please verify the orientation of cross-section B-B. Please include the dashed line type for Cell 5A on the legend.
 - d. Sheet C-2. Please provide a detail for the 6H:1V mine slope and 2H:1V slopes. Please provide drawings that include grades that show the drainage noted on Note 2.
 - e. Sheets C-3, C-4. Please include reference station numbers on plans view sheets. Please explain why the final cover profile on the south side of Cell 6 does not correlate with the final cover profile over Cell 7. Please show the limits of each cell and each lift on a plan sheet. Please provide details of the benches, terraces and berms. Please explain the purpose of the vertical lines located at approximately ref. station 29+00 and 23+00.
 - f. Sheet C-4. Please provide a narrative that discusses when and how the 14H:1V slope is constructed.
 - g. Sheet C-5. Please explain the purpose of the dashed lines in Cells 6/7/8, and Cell 5. Please clarify the slope of 60H:1V. Please provide details of all stormwater management devices (berms, terraces, downcomers, swales, ponds, etc.), including elevations required for proper drainage. Please provide a detail of the perimeter road.
 - h. Sheet G-1. Please reference these details to the appropriate locations on the plan views, and provide revised plan sheets appropriately noted.

The following comments are for information only at this time or are editorial in nature and do not require an immediate response:

1. **Application form, Items #P.3, P.4.g(6), and P.5.** The application form indicates that the Closure report is "not applicable." The Department agrees that since the applications are for construction and operation that a closure report, final cover slope stability calculations, and closure operation plan are not required for the facility at this time. However, please note that this information shall be required as part of the closure permit application.
2. Please be advised that although the facility is exempt from a liner and leachate collection at this time, this exemption is based on the following conditions: construction of a 3-foot thick, 1×10^{-5} cm/sec clay layer below the proposed disposal footprint (including exterior slopes); strict waste screening and adequate unacceptable wastes removal; the absence of groundwater contamination at the site; and subsurface conditions that provide adequate support for the landfill and will not result in the direct discharge of leachate into groundwater. In the event that the Department receives information that shows that any of these conditions is no longer applicable,

then the Department may withdraw approval of the exemption and require a liner and/or leachate collection and removal system.

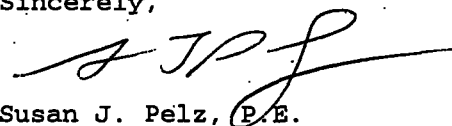
3. §7.1.4... §7.1.4.1., §7.1.4.2. Please be advised that the onsite clayey soils shall meet the borrow source demonstration requirement of Rule 62-701.400(8), F.A.C, in order to be used as the barrier layer in the final cover. This demonstration will be required as part of the closure permit application or permit.

4. §7.1.4.5. Please be advised that a specific closure CQA Plan and technical specifications will be required as part of the closure permit application. Please note that the information provided in this section does not meet the requirements of Rule 62-701.400(8), F.A.C.

"NOTICE! Pursuant to the provisions of Section 120.60, F.S. if the Department does not receive a complete response to this request for information within 45 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 45 days after you receive this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 45 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of a timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

You are requested to submit your responses to this letter together, as one complete package. Please contact me at (813)744-6100 ext. 386 if you have any questions.

Sincerely,



Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp

Attachment

cc: Jennifer Deal, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, FL 32801,
w/attachment
Donna Huber, Pasco County Development Review, 7530 Little Road, Suite 230, New Port
Richey, FL 34654
Richard Tedder, P.E., FDEP Tallahassee (email)
Chris McGuire, FDEP OGC
Fred Wick, FDEP, Tallahassee
Douglas Hyman, P.E., FDEP Tampa, ERP

Memorandum

Florida Department of Environmental Protection

TO: Susan Pelz, P.E.
FROM: John R. Morris, P.G. *JRM*
DATE: September 21, 2005
SUBJECT: Enterprise Class III Landfill Permit Renewal, Pasco County
Class III Landfill Operation Renewal Application, Pending Permit 177982-007-SO
Class III Landfill Construction Renewal Application, Pending Permit 177982-008-SC
Environmental Monitoring Review Comments (RAI #1)

I have reviewed portions of the permit application materials submitted to the Department in support of the referenced applications for renewal of the operation and construction permits for the Enterprise Class III Landfill that were prepared by Tetra Tech HAI (TTH) on behalf of Angelo's Aggregate Materials, Ltd., received August 23, 2005. The submittals associated with the renewal applications include the following:

- Document entitled "Enterprise Recycling and Disposal Facility, Class III Landfill Permit Renewal Application, Pasco County, Florida," prepared by TTH, dated August 2005, included the following information also prepared by TTH unless otherwise noted:
 - Transmittal letter dated August 18, 2005;
 - Section 1 – DEP Form No. 62-701.900(1), signed/sealed August 16, 2005;
 - Section 2 – Ownership Documents;
 - Section 3 – Engineering Report, revised July 2005;
 - Section 4 – Geotechnical Report, prepared by Universal Engineering Sciences, dated May 5, 2000;
 - Section 5 – Hydrogeological Investigation and Ground Water Monitoring Plan (HIGWMP), revised July 2005;
 - Section 6 – Stormwater Management;
 - Section 7 – Reclamation and Closure Plan, revised August 15, 2005;
 - Appendix 7-A – Financial Responsibility.

My review focused on the hydrogeologic and environmental monitoring aspects of the applications. Please have the applicant submit responses to the following review comments that provide revised submittals, or replacement pages to the submittals, that use a ~~strike through~~ and underline format, or similar format, to facilitate review. Please also have the applicant include the revision date as part of the header/footer for all revised pages (text, figures, tables, appendices, forms and site plans).

The information requests have been referenced to sections of the permit application form and are also referenced to the sections of the supporting documents where appropriate, as presented below:

DEP FORM NO. 62-701.900(1), SOLID WASTE MANAGEMENT FACILITY PERMIT FORM
SECTION A – GENERAL INFORMATION

1. **A.5.:** Please submit a revised application form for this item that indicates the Department's WACS facility identification number assigned to this facility (SWD/51/87895).

SECTION B – DISPOSAL FACILITY GENERAL INFORMATION

2. **B.7.:** Please submit a revised application form for this item that also reflects the adjacent residential and industrial (County landfill) land uses.

3. **B.12.:** Please submit a revised application form for this item that provides the requested information..

4. **B.27.:** Please submit a revised application form for this item that provides responses to the "type of treatment" and "name and class of receiving water" sections.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

5. **B.28.:** Please submit a revised application form for this item that provides the requested information.

SECTION I – HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (Rule 62-701.410(1), F.A.C.)

6. **I.1.b.:**

- a. Please submit revisions to Section 5.2.1 of the HIGWMP to clarify the status of piezometer P-13. In the event that this piezometer has been abandoned, please indicate the date of abandonment in the revision of this section.
- b. Please submit revisions to the fourth paragraph of Section 5.2.2 of the HIGWMP to reference Table 5-1 (rather than Table 1) for ground water elevation data. Please submit revisions to Table 5-1 to include the ground water elevation data measured on March 26, 2001 and May 7, 2001 as indicated in this paragraph of Section 5.2.2.
- c. Please submit revisions to the fifth paragraph of Section 5.2.2 of the HIGWMP to describe the direction of ground water flow indicated on the contour maps prepared for the surficial aquifer provided for the sampling events conducted during July 2003, November 2003, April 2004, October 2004 and April 2005. Please submit additional revisions to this paragraph of Section 5.2.2 to describe the apparent westward direction of ground water flow indicated on the contour map prepared for the surficial aquifer for the October 2004 sampling event. Please submit additional revisions of this paragraph of Section 5.2.2 to describe the apparent seasonal occurrence of the surficial aquifer as indicated by water level data collected at wells MW-8, MW-9 and MW-10.
- d. Please note that new Table 1A (should be re-numbered as Table 5-1A?) referenced in the fifth paragraph of Section 5.2.2 of the HIGWMP to summarize ground water elevations for the last two sampling events was not provided. Please submit revisions to this new table to include water level measurements from all the sampling events conducted at the facility between July 2003 and April 2005, including all wells, piezometers and the staff gauge in the temporary stormwater pond.
- e. It appears that the slug test data summarized in Table 5-2 and presented in Appendix 5-C in the HIGWMP prepared July 2005 is inconsistent with the information presented in Appendix 5-C of the HIGWMP revised April 2001. Please submit revisions to the Section 5.2.2, Table 5-2 and Appendix 5-C as appropriate to address the following items:
 - 1) Slug test results provided in Appendix 5-C include unclear or illegible hand-written comments (P-2 slug out, P-7 slug out and P-3a slug in)
 - 2) Selected slug test results included in Appendix 5-C of the HIGWMP revised April 2001 were omitted from the same Appendix in the HIGWMP prepared July 2005 (P-2 slug in 3/27/00, P-3a slug out, P-5 slug in, P-5 slug out, P-7 slug in, P-8 slug in and P-8 slug out)
 - 3) The annotation provided for slug test data in Table 5-2 appears to be inconsistent with the slug tests described in comment No. 6.e.(2), above. For example, the horizontal hydraulic conductivity value reported for P-2 (2.49 ft/day) is indicated in Table 5-2 to represent the result for a slug in test only, however it appears that this value is the average of the slug in (0.8 ft/day) and slug out (4.19 ft/day) tests reported for P-2 in Appendix 5-C of the HIGWMP revised April 2001. Additionally, the horizontal hydraulic conductivity value reported for P-7 (2.64 ft/day) is indicated in Table 5-2 to represent the result for a slug in test only, however it appears that this value is the average of the slug in (1.58 ft/day) and slug out (3.69 ft/day) tests reported for P-7 in Appendix 5-C of the HIGWMP revised April 2001.
 - 4) The horizontal hydraulic conductivity value provided in Table 5-2 for P-3A (0.3 ft/day) appears to be inconsistent with the slug in (1.16 ft/day) and slug out (0.16 ft/day) tests reported for P-3A in Appendix 5-C of the HIGWMP revised April 2001.

- f. Please submit revisions to the eighth and ninth paragraphs of Section 5.2.2 of the HIGWMP to also describe the range of hydraulic gradient values for the surficial aquifer observed for the contour maps prepared for the sampling events conducted at the facility between July 2003 and April 2005. Please submit revisions to the ground water velocity calculations provided in this section for the surficial aquifer to include this range of hydraulic conductivity values.
- g. Please submit revisions to Section 5.2.3 of the HIGWMP to evaluate water levels measured during the sampling events conducted at the facility between July 2003 and April 2005 and provide an updated calculation of vertical ground water velocity across the confining unit.
- h. The data provided in Table 5-2 and cross-sections presented at Figures 5 through 7 of the HIGWMP appear to indicate that P-8 was the only piezometer completed in the limestone sediments of the Floridan aquifer. Please submit revisions to Section 5.2.4 of the HIGWMP to provide the results for additional slug tests to more fully characterize the horizontal hydraulic conductivity of the Floridan aquifer at the facility.
- i. Please submit revisions to Sections 5.2.4 and 5.3.1 of the HIGWMP to also describe the direction of ground water flow for the Floridan aquifer observed for the contour maps prepared for the sampling events conducted at the facility between July 2003 and April 2005. Please submit additional revisions to this section to describe the apparent variability in the direction of ground water flow observed at the facility and indicate if there is a predominant direction of flow and also describe the rationale used for selecting a predominant direction of ground water flow.
- j. Please submit revisions to Section 5.2.4 of the HIGWMP to describe the range of hydraulic gradient values for the Floridan aquifer observed for the contour maps prepared for the sampling events conducted at the facility between July 2003 and April 2005.
- k. Please submit revisions to Section 5.2.4 of the HIGWMP to provide a calculation of the range of ground water velocity values for the Floridan aquifer at the facility using site-specific data for hydraulic conductivity and hydraulic gradient. Please also submit references that describe the range of effective porosity values that are representative of the lithology encountered in the Floridan aquifer at the facility.

SECTION M – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS

(Rule 62-701.510, F.A.C.)

7. **M.1.b.:** Please submit revisions to Sections 5.4.1 and 5.4.3 of the HIGWMP to delete references to Department-approved CompQAPs. Please submit revisions to these sections to assert that field activities associated with sample collection activities will be conducted in accordance with the Department's SOPs and that the analytical laboratory used for sample analyses will hold the appropriate certificates from the Florida Department of Health, Environmental Laboratory Certification Program.

8. **M.1.c.(1):**

- a. It is the Department's understanding that the monitoring plan proposed for the facility was based on the occurrence of the surficial aquifer along the eastern portion of the property (at an elevation below 130 ft NGVD as indicated in Section 5.3.1 of the HIGWMP). Accordingly, detection wells completed in the surficial aquifer were proposed at 500-foot intervals to meet the well spacing requirements of Rule 62-701.510(3)(d)3, F.A.C. As noted in the Department's review comments provided to permit modification No. 177982-006 to permit No. 177982-002-SO, the surficial aquifer appeared to be seasonally present or absent in the southeast portion of the property based on the water levels recorded at wells MW-8, MW-9 and MW-10, and the resulting permit modification included the revision of the monitoring plan to install Floridan aquifer monitor wells MW-8B, MW-9B and MW-10B. Please submit revisions to Section 5.3.1 of the HIGWMP to discuss the need to install Floridan aquifer monitor wells adjacent to proposed surficial aquifer monitor wells for future cells (Cell 3 – MW-11B, Cell 5 – MW-3B and/or MW-4B, Cell 8 – MW-14B).

- b. Based on a telephone conversation with Miguel Garcia (TTH) on September 1, 2005, it is the Department's understanding that existing well MW-1 is now proposed to be abandoned as part of the excavation of Cell 5. If this understanding is correct, please submit revisions to item Nos. 4 and 5 in the first paragraph of Section 5.3.1 of the HIGWMP to indicate that well MW-1A will be installed prior to filling in Cell 5 rather than prior to filling in Cell 8. If this understanding is correct, please also submit revisions to the second paragraph of Section 5.3.1 of the HIGWMP to indicate that well MW-1 will be abandoned prior to filling in Cell 5.
9. **M.1.c.(6):** In the event that the response to review comment No. 8.a., above, includes the proposed installation of additional Floridan aquifer monitor wells, please submit revisions to Section 5.3.2 of the HIGWMP and Figures 15A and 17, as appropriate.
10. **M.1.f.(3):** Please note that the appropriateness of the semi-annual ground water sampling frequency referenced in Section 5.4.5 of the HIGWMP will be evaluated up review of the response to review comment Nos. 6.f., and 6.k., above.
11. **M.1.g.:** Please submit revisions to Section 5.4.4 of the HIGWMP to replace the references to "assessment monitoring" with "evaluation monitoring" to be consistent with Rule 62-701.510(7), F.A.C. Please submit additional revisions to this section of the HIGWMP to indicate that confirmation sampling may be conducted by the permittee within 30 days of receipt of the laboratory results.
12. **M.1.h.(2):** Please submit the evaluation of the monitoring plan required by Rule 62-701.510(9)(b), F.A.C., along with the responses to RAI #1. Please note that this rule citation requires the monitoring plan evaluation to be updated at the time of permit renewal. Please also note that the submittal of the monitoring plan evaluation report in Specific Condition No. 38 (no later than April 1, 2006) was intended to be coordinated with the submittal of the permit renewal application in Specific Condition No. 4 (no later than 180 days before expiration of the permit). As the permit No 177982-002-SO expires on October 5, 2006, the renewal application and the monitoring plan evaluation were due to be submitted by April 2006, but since the renewal application was submitted early, an updated monitoring plan evaluation is also required early.

SECTION P – LANDFILL FINAL CLOSURE REQUIREMENTS (Rule 62-701.600, F.A.C.)

13. **P.2.b.(5):** Please submit revisions to Section 7.2 of the Reclamation and Closure Plan to address the following requirements of Rule 62-701.600(5)(f)4, F.A.C., for monitoring, maintenance, correction of deficiencies/problems and replacement of monitoring devices, including their frequency of implementation:

- final cover condition (regrading areas that have settled);
- vegetative cover condition (reseeding or sodding areas that have been regraded, and fertilization);
- ground water monitoring system (monitor well and piezometer maintenance and repair/replacement);
- landfill gas management system (gas vent maintenance and repair/replacement);
- access control;
- stormwater drainage features condition (retention pond maintenance); and,
- contingency plan for emergencies (fires, severe weather events).

I can be contacted at (813)-744-6100, extension 336, to discuss the comments in this memorandum.

jrm

62-110.106 (6) Public Notice of Application and Proposed Agency Action
Publication of a notice of application shall be required for those projects that, because of their size, potential effect on the environment or natural resources, controversial nature, or location, are reasonably expected by the Department to result in a heightened public concern or likelihood of request for administrative proceedings. If required, the notice shall be published by the applicant one time only within fourteen days after a complete application is filed and shall contain the name of the applicant, a brief description of the project and its location, the location of the application file, and the times when it is available for public inspection. The notice shall be prepared by the Department and shall comply with the following format:

State of Florida
Department of Environmental Protection
Notice of Application

The Department announces the receipt of an application for permit from Angelo's Aggregate materials, Ltd., Mr. Dominic Iafrate, President, for construction and operation of a Class III landfill, referred to as the Enterprise Class III Landfill, located at 41111 Enterprise Rd., Dade City, Pasco County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m. Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

**Enterprise Recycling and Disposal Facility
Class III Landfill Permit Renewal Application**

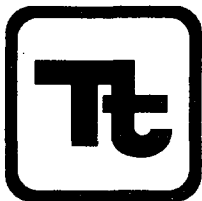
Pasco County, Florida

Prepared For

Angelo's Aggregate Material

August 2005

99.0331.025 T1



TETRA TECH HAI

See Bond Report

Zwaan

**Southwest District
Permitting Application**

New Site

Site Name:		
Site ID:		
County:		
Type/Subcode:		
Fee submitted:	() correct	() incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

2-permit applications Existing Site

Site ID:	<i>177982 007</i>	<i>008</i>
Project Name:	<i>Enterprise CIII Op Renewal</i>	<i>Construction Renewal</i>
Type/Subcode:	<i>SO T3</i>	<i>SC T3</i>
Fee submitted:	<i>\$10,000</i> X correct <i>\$4000</i>	X incorrect <i>\$6000</i>
Total Fee Required \$ XXXX Need \$ _____ Refund \$ _____		

Applicant Information

Name:	<i>Dominic Infrate</i>	
Role:	<i>Applicant</i>	
Company:	<i>Angelo's Aggregate Materials</i>	
Address:		
City:	<i>ON</i>	<i>File</i> Zip Code:
Phone:		

Fee verified by: *PELZ*

Application Assigned To: *PELZ* Date: *8/24/05*