

Angelo's Recycled Materials

855 28th Street South
St. Petersburg, FL 33712



www.angelosrm.com

Dept. of Environmental
Protection

AUG 03 2012

Southwest District

August 2, 2012

Mr. Steve Morgan
Florida Department of Environmental Protection Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637

RE: Angelo's Recycled Materials
Enterprise Recycling and Class III Solid Waste Facility
Permit Renewal Applications
WACS No.: 87895

Dear Mr. Morgan,

Thank you for taking the time on July 16th to meet with us to discuss the Department's RAI No. 1 related to the renewal applications for the referenced facility. As requested in RAI No.1 and as discussed at the review meeting, we have developed a schedule for providing our response, taking into consideration the Department's request for a new site topographic survey. The topographic survey will be performed aerially by Pickett and Associates (Pickett) and completion is subject to suitable weather conditions. Representatives from Pickett estimate that the work can be completed by August 31st. As we discussed, the drawing set would then be revised to show the new topographic information and to address the RAI No. 1 issues, as discussed and refined at the review meeting. We propose meeting with you to discuss our draft response to RAI No. 1 the first or second week of November and submitting the final response by December 10, 2012.

Please let me know if this schedule is acceptable, or if need any additional information. Please feel free to call me at (352) 339-1408 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "John Arnold".

John Arnold, P.E.
Project Manager

xc: Rebecca Kelner, Kelner Engineering, Inc.
John Lockleer, Lockleer Consulting, LLC
Ron Noble, Fowler White Boggs, PA

Angelo's Recycled Materials

855 Street South
St. Petersburg, FL 33712



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Dept. Of Environmental Protection
JUN 05 2012
Southwest District

June 1, 2012

Mr. Steve Morgan
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

RE: Enterprise Class III Recycling and Disposal Facility, Pasco County
Class III Construction/Operation Permit Nos.: 177982-019-SC/T3 & 177982-020-SO/T3
WACS ID No.: SWD/51/87895

Dear Mr. Morgan,

We received the Department's Request for Additional Information (RAI) dated April 24, 2012 (received by us on April 26th). The RAI is quite lengthy and our engineering and hydrogeological subconsultants have made significant progress on most of the items requested. We are working diligently and in good faith to respond to the Department's questions. However, there are still several requests from the Department that we continue to evaluate and are working on in terms of providing a response that is consistent with the direction we understood from the pre-application meeting and the requirements of the applicable rules.

In order to avoid any confusion, I am writing this letter to advise you of our plans. If I have misconstrued your letter and directions, please let me know immediately, so that I can immediately revise our plans. I will be talking to our project team about their progress and issues and hope to get back to you by the end of next week (June 8). At that time I would like to schedule the meeting you requested. At this time our goal is to have our responses ready by late July, but this schedule may change after our meeting. Based on your letter of April 24, 2012, it is my understanding that the due date for our responses will be set at the meeting we are going to schedule in our telephone conversation next week.

Sincerely,

A handwritten signature in black ink that appears to read "John Arnold".

John Arnold, P.E.

xc: Rebecca Kelner, P.E., Kelner Engineering
John Lockleer, P.G., Lockleer Consulting
Dominic Iafrate, Angelo's Recycled Materials

Brantley, Anna

From: Microsoft Exchange
To: 'Rebecca Kelner'
Sent: Tuesday, April 24, 2012 12:41 PM
Subject: Relayed: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

'Rebecca Kelner'

Subject: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Sent by Microsoft Exchange Server 2007

Brantley, Anna

From: Microsoft Exchange
To: John Arnold (john.phillip.arnold@gmail.com)
Sent: Tuesday, April 24, 2012 12:41 PM
Subject: Relayed: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

John Arnold (john.phillip.arnold@gmail.com)

Subject: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Sent by Microsoft Exchange Server 2007

Brantley, Anna

From: Microsoft Exchange
To: Morris, John R.; Tedder, Richard; Dunaway, Michael; Elfers, Mike; Pelz, Susan; Morgan, Steve; Hornbrook, Frank
Sent: Tuesday, April 24, 2012 12:41 PM
Subject: Delivered: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Your message has been delivered to the following recipients:

Morris, John R.

Tedder, Richard

Dunaway, Michael

Elfers, Mike

Pelz, Susan

Morgan, Steve

Hornbrook, Frank

Subject: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Sent by Microsoft Exchange Server 2007

Brantley, Anna

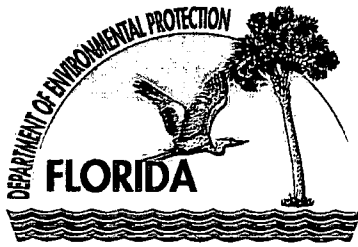
From: Microsoft Exchange
To: 'diafrate@iafrate.com'
Sent: Tuesday, April 24, 2012 12:43 PM
Subject: Relayed: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

'diafrate@iafrate.com'

Subject: Request for Additional Information (RAI #1) Enterprise CL II [WACS 87895] 4-24-2012

Sent by Microsoft Exchange Server 2007



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Transmitted via email only to: john.phillip.arnold@gmail.com

Mr. John Arnold
Angelo's Aggregate Materials, Ltd.
PO Box 1493
Largo, Fl. 33779

April 24, 2012

**RE: Enterprise Class III Recycling and Disposal Facility, Pasco County
Class III Construction - Pending Permit No.: 177982-019-SC/T3
Class III Operation - Pending Permit No.: 177982-020-SO/T3
WACS ID No.: SWD/51/87895**

Dear Mr. Arnold:

This is to acknowledge receipt of your applications dated March 23, 2012 (received March 26, 2012), prepared by Kelner Engineering, Inc., for renewal of permits to construct and operate a Class III landfill referred to as the Enterprise Class III Recycling and Disposal Facility.

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

Your applications for permit are 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.

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 underlined 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.
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.**

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

1. Please respond to each of the items in John Morris' April 20, 2012 memorandum (attached). You may call Mr. Morris at (813) 632-7600, extension 336, to discuss the items in his memorandum.

REFERENCES:

2. **Reference 1:**

a. Engineering Report: The Department's review of the permitting history for the facility appears to indicate that the Engineering Report was also amended in February 2008 related to Operation Permit Modification #177982-014. Please verify and revise this section, as appropriate.

b. **Operation Plan**: The Department's review of the permitting history for the facility appears to indicate that the Operation Plan was also amended in February 2008 related to Operation Permit Modification #177982-014 and that the September 2008 modification was Operation Permit Modification #177982-015. Please verify and revise this section, as appropriate.

c. The Department's review of the permitting history for the facility appears to indicate that the facility's Operation Permit was also amended October 2007 (Operation Permit Modification #177982-12) regarding revisions to the perimeter gas probe locations at the facility. Please verify and revise this section to include a reference to this modification, as appropriate.

3. **Reference 2**: Please revise this section, as appropriate, based on your response to the comments provided below related to the construction/operation plan set.

4. **Reference 3**: The referenced April 2, 2011 Pickett Survey appears to only be a survey of Cells 1-5 and 15. Please provide a current (within the last year) topographic survey of the entire facility, in accordance with Rule 62-701.330(3)(c), F.A.C. Please revise Section 3.4 of the Engineering Report to reference this topographic survey.

INTRODUCTION:

5. While Permit 177982-008-SC/T3 currently authorizes some activities related to Filling Sequence 7, the permit specifically does not authorize the construction of Cell 9 (see Specific Condition #A.3.b.). Assuming that the permittee does not intend to propose a lateral expansion from the currently permitted construction footprint, please revise this section and any other reference in this application related to the construction of Cell 9 or other disposal cells beyond Cell 7.

6. **Construction Permit:**

a. North Berm of Cell 6: Please revise this section, as appropriate, based on your response to the comments provided below related to the Cell 6-7 construction depicted on the construction/operation plan set.

APPLICATION FORM #62-701.900(1)(RULE 62-701.600(2), F.A.C.):

Please address the following comments regarding the permit application form and provide replacement application form pages with the revised information, where applicable:

7. **Part B.17.:** Please revise the information provided in this part related to number of monitoring wells, as appropriate, based on your response to Comment #1 above.
8. **Part B.20.:** As indicated by the permittee in the narrative for Part G.2.f. of this permit application, the clay layer currently installed as part of the construction of disposal cells at the facility is not a soil liner system. Please revise this part of the form to identify the landfill unit liner type at the facility as "None" and revise Part G.2.g. of the form to "N/A".
9. **Part B.21.:** As indicated by the permittee in the narrative for Part G.3. of this permit application, the gravity drainage of contact stormwater from the Class III waste (i.e. leachate) to the temporary stormwater pond is not considered leachate collection as described in Rule 62-701.400(4), F.A.C. Please revise this part of the form to identify the leachate collection method at the facility as "None".
10. **Parts D.9. & D.9.d.:** These parts of the form are checked "N/C". However the narrative in Part D.9 describes changes made to the plan and drawings and supporting information for the engineering report for the facility. Please verify and revise this part of the form, as appropriate.
11. **Part D.13.:** Please publish the attached Notice of Application and provide proof of publication to the Department.
12. **Parts E.2. & E.3.:** These parts of the form are checked "N/C". Please revise these parts of the form and their subparts, and the narrative in Parts E.2 and E.3., as appropriate, based on your response to the comments provided below related to the referenced topographic survey and the construction/operation plan set.
13. **Parts G.1. & I.1.d.(3):** This part of the form is checked "N/C". Please revise this part of the form and the narrative in Part G.1., as appropriate, based on your response to the Comment #44.c.(4) provided below related to the construction/operation plan set.
14. **Part G.9.a.:** This part of the form is checked "N/A". However the narrative in Part G.9.a. describes the current gas control system for the facility. Please verify and revise this part of the form to check N/C and/or refer to Part G, as applicable.
15. **Part H.1.i.:** This part of the form is checked "N/C". However the narrative in Part H.1.i. describes two wells that have been constructed near the facility since 2007. Please verify and revise this part of the form, as applicable.

16. **Part I.1.a.:** As indicated by the comments below, the information provided in this section does not appear to meet the requirements for a geotechnical evaluation in Rule 62-701.410(2), F.A.C. Due to the complexity of the issues related to geotechnical evaluation and in order to discuss and assist the applicant in determining the appropriate information and/or plan of action to address the comments below, the issue of geotechnical evaluation will be discussed in detail at the meeting requested at the end of this letter.

a. Based on information provided by the permittee since 2006 related to observations of subsurface conditions encountered during excavation, cell construction, and operation activities at the facility during the current permit period, the subsurface conditions do not appear to be consistent with the description of site subsurface conditions provided in and relied upon as part of the geotechnical evaluations of the facility presented in the reports referenced in this section. Please verify and provide an updated geotechnical evaluation, prepared in accordance with Rule 62-701.410(2), F.A.C., that take into account both subsurface conditions encountered since 2006 and site alteration and remediation activities conducted by the permittee during that period.

b. This section refers to a March 2, 2012 submittal related to Cell 6 construction certification. Based on your response to Department's comments related to that submittal (provided under separate cover and attached), please revise the narrative in this section, as applicable.

c. **Attachment I-1:** The letter provided as Attachment I-1 was not signed and sealed by the professional engineer that prepared the sinkhole evaluation and does not appear to meet the requirements of Rule 62-701.410(2)(b), F.A.C. Based on your response to Comment #16.a. above, please revise, replace, and/or supplement Attachment I-1, accordingly.

17. **Part O.2.:** This part of the form is checked "N/C". Please revise this part of the form and its subparts, and the narrative in Part O.2., as appropriate, based on your response to the comments provided below related to the construction/operation plan set.

18. **Part R.4.:** This part of the form is checked "N/A". The narrative in Part R.4. both describes that the facility is not requesting financial deferral and describes providing a financial deferral form in Appendix 7-A. Please verify whether financial deferral is being requested and revise this part of the form and the narrative in Part R.4, as appropriate.

ENGINEERING REPORT, Rule 62-701.320(7)(d), F.A.C.

Please provide the following additional information and revisions to the Engineering Report. Please either provide a complete revised report or provide replacement pages with revisions noted deletions may be struckthrough (~~struckthrough~~) and additions may be underlined (underlined) or similar notation method and each page numbered with the document title and date of revision.

19. **§3.7:**

a. Please revise this section to specifically describe the "permit provisions" that will be followed if limerock is encountered during construction of Cell 7.

b. Please revise this section to also describe the notification and actions that will be taken if limerock is encountered during excavation activities at the facility.

c. As appropriate, please revise this section to specifically describe the construction of "embankments" for the north cell construction slope of Cells 6 and 7.

20. **§3.8:**

a. Please revise this section to identify the cell sequences that have been completed as of the date of this application.

b. Please revise this section, as appropriate, based on your response to the comments provided below related to the construction/operation plan set.

c. Construction and operation of Cells 9-11 are not proposed as part of this permit application. Therefore, please revise this section to remove the narrative related Cell Sequence 8.

21. **§3.8.1:** Please revise the reference to the final grading plan for the facility, based on your response to Comment #49 below.

22. **§3.8.3:** Please revise the reference to the final grading plan for the facility, based on your response to Comment #49 below. Please also revise reference to Drawing C-13 in Sections 3.9 and Drawings C-13 through C-20 in Section 3.12, as appropriate.

23. **§3.14:** Please revise this section, as appropriate, based on your response to Comment #44.c.(4) below regarding a geotechnical analysis of "embankments" for the north cell construction slope of Cells 6 and 7.

Appendix 3-A - Operations Plan (Rule 62-701.500(9), F.A.C.):

Please provide the following additional information and revisions to the facility Operations Plan. Please provide replacement pages with revisions noted (deletions may be struckthrough [~~struckthrough~~] and additions may be underlined [underlined] or a similar method may be used) and each page numbered with the document title and date of revision.

24. **§1.0:** Please explain the further designation of "Class I mine" added to this section and provide supporting information that demonstrates that the facility is permitted as a Class I mine.

25. **§5.3:** The reference to the storage of batteries, paint, chemicals, thermostats or similar items "that are removed from the waste stream" appears to imply that some of these wastes may not be removed from the waste stream. Please revise this section clarify that these wastes shall be removed from the waste stream, when observed.

26. **§5.4:**

a. Please revise this section to clarify that processed tires received at the facility for disposal shall meet the requirements of Rule 62-711.400(3)(b), F.A.C.

b. Please revise this section to additionally clarify that automobile and parts "without visible contamination from petroleum products or other chemicals" may be accepted at the facility for disposal.

27. **§5.7:**

- a. Based on the revised narrative in this section, it is unclear whether the facility intends to actively accept certain materials at the facility for the purpose of recycling, or whether the facility will only recycle certain wastes incidentally accepted and subsequently removed from the waste stream. Please revise this section accordingly to clarify this issue.
- b. Please revise this section to specifically identify the maximum quantities of metal, concrete rubble, asphalt, and wood waste that the facility will store on-site at any one time.
- c. Please revise this section to describe the types of "incidental recyclable materials" that the facility may store in containers adjacent to the working face and to identify the number and size of these containers.

28. **§8.1:**

- a. Please revise this section to identify the cell sequences that facility has completed and identify the sequence the facility is currently operating under.
- b. Please revise this section, as appropriate, based on your response to the comments provided below related to the construction/operation plan set.
- c. Construction and operation of Cells 9-11 are not proposed as part of this permit application. Therefore please revise this section to remove the narrative related Cell Sequence 8.

29. **§9.0:** Please revise the references to the final grading plan and closure detail for the facility, based on your response to Comment #49 below.

Appendix 3-C - Figures (Rule 62-701.320(7)(e), F.A.C.):

30. Please revise the references to construction/operation drawings in Appendix 3-C, as appropriate, based on your response to the comments provided below related to the construction/operation plan set.
31. **Figure 3-2A:** The copy of Figure 3-2A is illegible and may be outdated. Please provide a current, legible, land use map for a one mile radius from the facility.
32. **Figure 3-5:** Please provide a legible copy of Figure 3-5.
33. **Figure S-1:** Figure S-1 is illegible and may be outdated based on the narrative in Part H.1.i. of the permit application. Please provide a current, legible, potable well map.
34. **Figure S-5:** Please provide a legible copy of Figure S-5.

SECTION 4 - REVISED DRAWING SHEETS (Rule 62-701.320(7)(f), F.A.C.)

Due to extent and complexity of the Department's comments and questions and the difficulty in describing some comments related to these drawings, these drawings will be discussed in detail at the meeting requested at the end of this letter. Please provide revised drawings that address the comments provided below and at the above-referenced meeting, related both to the revised drawing provided in Section 4 and the previously provided drawings referenced in References section of this application submittal, including all necessary details for the construction and operation of the facility. **The drawings will be reviewed in their entirety after the responses to these requests for information are submitted.**

35. **Drawing V-1 Cover Sheet (Nov 2006):** Based on the comments provided below, most if not all of the construction/operation drawings will need to be revised. As appropriate, please provide a revised cover sheet for the revised construction/operation plan set.

36. The cell configurations on many of the previously provided and referenced drawings (i.e. Cells 6-8) are outdated. Please revise all applicable drawings accordingly.

37. **Drawing V-2 General Notes & Abbreviations (Feb 2008):** Please revise this drawings, as appropriate, based on your response to the comments provided below related to the construction/operation plan set.

38. **Drawing C-1 Site Plan (Nov 2006):** Site appurtenances have been revised or added since 2006 (e.g. waste tire processing facility). Please revise the Site Plan for the facility depicted on this drawing accordingly.

39. **Drawing C-2 Topographic Survey (Nov 2006):** Please revise this drawing to provide the current topographic survey of the facility (see Comment #4).

40. **Drawing C-3 Existing Site Drainage Plan (Nov 2006):** The topography of the site on this drawing is outdated and therefore the figure does not appear to represent the "existing site grading" at the facility. Please revise this drawing accordingly to show the existing site grading plan.

41. **Drawing C-4 Cell Floor Grading Plan (Nov 2006):** The flooring elevation depicted on this drawing in Cells 10-11 appear inconsistent with those depicted on Drawings C-12 and C-13. In addition, the construction of Cells 9-11 is not a part of this permit application. Please verify and revise this drawing to depict the cell floor grading in Cells 1-7 and 15 only.

42. **Drawing C-5 Cell Phasing Sequence (Jan 2010):**

a. The construction of Cells 9-11 is not a part of this permit application. Please revise this drawing to identify Cells 9-11 as "Future" cells.

b. Excavation, Construction, and Filling Sequence Table:

1) Please update the "Begin Accepting Waste" column of the table, as appropriate.

2) The table indicates that the mining of Cell 7 will be completed during construction of Cell 6 and the construction of Cell 7 will occur during operation of Cell 6. This appears inconsistent with current site conditions. Please verify and revise the table, as appropriate.

3) Please revise the table to delete references to construction or operation of Cells 9-11.

43. **Drawing C-8 Filling Sequence 3 (Nov 2006):** Please note that Drawing C-8 was revised February 2008 and re-titled "Filling Sequence 3A". The comments below are related to the February 2008 drawing.

a. Drawing C-6 depicts Cell 5 constructed to top of slope elevation of +90 ft. in the NW corner of Cell 5, while this drawing depicts a toe of slope filling elevation of +80 ft in the NW corner. Please verify and revise this drawing and all other drawings in the plan set that similarly depict the filled north slope of Cell 3, accordingly.

44. **Drawing C-8A Filling Sequence 3B:**

a. Drawing C-7 depicts Cell 3 constructed to top of slope elevation of +105-115 ft. along the south side of Cell 3, while this drawing depicts a toe of slope filling elevation of +80 ft along the south side of Cell 3. Please verify and revise this drawing and all other drawings in the plan set that similarly depict the filled south slope of Cell 3 accordingly.

b. Based on Department review of the referenced April 2011 topographic survey of Cell 1-5 and 15 and the area of the facility immediately adjacent to and west of these cells, it appears that the area of the facility located at the north footprint of Cell 6 has been mined to an elevation that does not support construction of cell slope depicted on this drawing. Please verify and revise this drawing accordingly.

c. Note 3: This note describes grading an "embankment outside of the landfill [Cell 6] footprint to match actual grade..." Please provide the following information and/drawings related to this "embankment":

1) Please provide a detail drawing of the proposed embankment that includes the constructed cell clay layer.

2) Please provide a cross-section of the north edge of Cell 6 that shows the embankment and proposed filling in Cell 6 against the embankment.

3) Please revise the construction/operation plan set, where appropriate, based on filling against the embankment.

4) Please provide a slope stability analysis, based on proposed filling against the embankment that demonstrates a 1.5 factor of safety against failure of the landfill in this area.

45. **Drawing C-9 Filling Sequence 4:**

a. Based on a review of the topographic survey provided in response to Comment #4 above, please verify whether the area of the facility located at the north footprint of Cells 6 and 7 has been mined to an elevation that does not support construction of cell slopes depicted on this drawing, and revise this drawing and Drawing C-10 accordingly.

b. Note 3: Based on your response to Comment #45.a. above, please provide the same information and/drawings requested in Comment #44.c for the Cell 6 embankment, for the proposed embankment for Cell 7.

46. **Drawing C-10 Filling Sequence 5:** Drawing C-8B depicts Cell 6 constructed to top of slope elevation of +90-110 ft. along the north side of Cell 6 and a top of slope elevation of +105-120 ft. along the south side of Cell 6. This drawing depicts a toe of slope filling elevation of +80 ft along both the north and south side of Cell 6. Please verify and revise this drawing accordingly.
47. **Drawings C-11 Filling Sequence 6 (Jan 2010):** Drawings C-9 & C-10 depict Cells 6 & 7 constructed to top of slope elevation of +90-125 ft. along the north side of Cells 6 & 7 and a top of slope elevation of +105-135 ft. along the south side of Cells 6 & 7. This drawing depicts a toe of slope filling elevation of +80 ft along both the north and south side of Cells 6 & 7. Please verify and revise this drawing and Drawing C-12 accordingly.
48. **Drawing C-12 Filling Sequence 7 (Jan 2010):** The construction of Cells 9-11 is not a part of this permit application. Please revise this drawing and Drawing C-13 to identify Cells 9-11 as "Future" cells.
49. **Drawing C-13 Filling Sequence 8 (Jan 2010):** The construction and operation of Cells 9-11 is not a part of this permit application. Therefore C-13 is not representative of the currently proposed and permitted "final grading plan" for the facility, as reference in several sections of this permit application. Please provide a final grading plan for the facility based on filling of Cells 1-7 and 15 and revise the appropriate sections of the application to reference this drawing.
50. **Drawing C-14 Landfill Sections (Nov 2006):**
- a. The construction of Cells 9-11 is not a part of this permit application. Please revise this drawing to identify Cells 9-11 as "Future" cells.
 - b. The excavation grade for Cells 9-11 on this drawing appear inconsistent with the excavation grade depicted on Drawings C-12 & C-13. Please verify and revise this drawing, accordingly.
51. **Drawing C-14 through C-20 Landfill Sections:** Based on a review of the topographic survey provided in response to Comment #4 above, and your response to comments provided for construction/operation drawings above, please revise these drawings accordingly.
52. **Drawing C-21 Location Maps:**
- a. Figure 3-15: The construction and operation of Cells 9-11 is not a part of this permit application. Therefore Figure 3-15 is not representative of the currently proposed and permitted "final grading plan" for the facility (see also Comment #49 above). Please revise this figure to provide a revised gas vent location map, based on the final grading plan provided in response to Comment #49 above.
 - b. Figure 1: Please either revise this figure to be consistent with Figure 1 provided in the Groundwater Monitoring Plan in Section 5 of this application or revise Drawing C-21 to delete this figure and revise references in this application to Figure 1 on this drawing to reference Figure 1 of the GWMP.

SECTION 7 - RECLAMATION AND CLOSURE PLAN (Rule 62-701.600(2), F.A.C.)

Please provide the following additional information and revisions to the Reclamation and Closure Plan. Please provide replacement pages with revisions noted (deletions may be struckthrough [~~struckthrough~~] and additions may be underlined [underlined] or a similar method may be used) and each page numbered with the document title and date of revision.

53. Several references to tables, figures and sheets throughout the Reclamation and Closure Plan appear outdated. Please verify and revise the plan, as appropriate.

Appendix 7-A - Operations Plan (Rule 62-701.630, F.A.C.):

54. Please address the comments in Department's April 24, 2012 letter (attached) regarding the financial assurance cost estimates provided in Appendix 7-A.

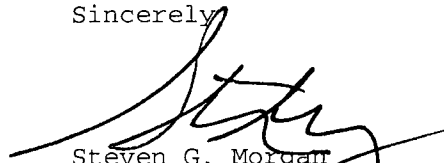
This staff assessment is preliminary and is designed to assist in the review of the application prior to final agency action. The comments provided herein are not the final position of the Department and may be subject to revision pursuant to additional information and further review.

Please provide all responses that relate to engineering for design and operation, including plan sheets, signed and sealed by a professional engineer. Responses that relate to the facility operations should be included as part of the Operation Plan. All replacement pages should be numbered, and with revision date.

Please respond **by the date established** at the meeting requested at the end of 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 timetable 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 4 copies of your response to this letter as one complete package. In order to assist the applicant in completion of this application, the Department feels it would very beneficial to meet to discuss options for addressing the issues raised in this letter. The Department therefore requests that the applicant contact us to schedule a meeting to discuss the comments in this letter prior to submittal of its response. Please contact me at (813) 632-7600 ext. 385 or steve.morgan@dep.state.fl.us to schedule this meeting.

Sincerely




Steven G. Morgan
Solid Waste Section
Southwest District

SM/sgm

Attachments

cc: Dominic Iafrate, Angelo's Aggregate Materials, diafrate@iafrate.com
Rebecca Kelner, P.E., Kelner Engineering, Inc., Rebecca@kelnerinc.com
Richard Tedder, P.E., FDEP Tallahassee (e-mail)
Mike Elfers, P.E., FDEP Tallahassee (e-mail)
Mike Dunaway, FDEP Tallahassee (e-mail)
Frank Hornbrook, FDEP, Tallahassee, (e-mail)
John Morris, P.G., FDEP Tampa (e-mail)
Susan Pelz, P.E., FDEP Tampa (e-mail)



62-110.106(5). Notices: General Requirements.
Each person who files an application for a Department permit or other notice as may publish or be required to publish a notice of application or other notice as set forth below in this section. Except as specifically provided otherwise in this paragraph, each person publishing such a notice under this section shall do so at his own expense in the legal advertisements section a newspaper of general circulation (i.e., one that meets the requirements of sections 50.011 and 50.031 of the Florida Statutes) in the county or counties in which the activity will take place or the effects of the Department's proposed action will occur, and shall provide proof of the publication to the Department within seven days of the publication.

62-110.106(6). 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 receipt of applications for permit renewals from Angelo's Aggregate Materials, Ltd. for existing permits to construct and operate a Class III landfill, subject to Department rules, at the Enterprise Class III Recycling and Disposal Facility, located at 41111 Enterprise Road, 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, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Transmitted via email only to: john.phillip.arnold@gmail.com

John Arnold
Angelo's Aggregate Materials, Ltd.
P.O. Box 1493
Largo, Florida 33779

April 24, 2012

Re: Enterprise Recycling & Disposal Class III Landfill
Financial Assurance Cost Estimates
Pending Permit No.: 177982-020-SO/T3
WACS #: 87895

Dear Mr. Arnold:

This letter is to acknowledge receipt of the cost estimates received March 26, 2012 as Appendix 7-A of the above referenced permit application, prepared by Kelner Engineering, Inc. The financial assurance information provided on March 26, 2012 is not approved. The following information is needed to fully evaluate the estimates submitted:

General Comments

1. Based on your response to the comments below and comments provided as part of the above referenced permit application, please provide a revised DEP Form 62-701.900(28), that incorporates all proposed changes to the closure and long-term care cost estimates and is signed by the applicant or signed and sealed by the professional engineer who prepared the estimate.
2. Please note that quantities and unit costs for closure and long-term care items may be added or changed based on comments and revisions to the above referenced permit application and therefore the proposed closure and long-term care costs will need to be revised accordingly.

Closing Costs

1. Passive Gas Control: Based on your response to Comment # 52.a. in the Department's April 24, 2012 RAI for the above referenced permit application related to Drawing C-21, please revise the closing costs provided for passive gas control accordingly.

2. Site Specific Costs – Special Wastes: Please provide cost estimates and supporting third party quotes for the loading, hauling, and disposal of the maximum quantity of unacceptable wastes, special wastes, recyclables, and wood waste proposed to be stored at the facility at any one time based your reponse to the following comments.

a. The General Information & Assumption for this cost indicate that the cost provided are based on the disposal of 1 roll-off of unacceptable wastes. Section 5.3 of the Operations Plan indicated that there will at least 2 roll-offs for unacceptable waste at the working face and 1 roll-off for special wastes (e.g. batteries, chemical, paints, thermostats, etc) at a designated location at the facility. Please revise the special waste costs provided to include the costs for load, hauling, and disposal of these wastes.

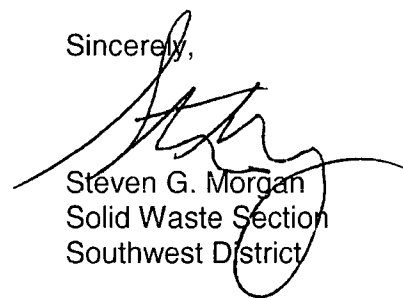
b. Section 5.7 of the Operation Plan indicates that metals, asphalt, and wood waste may be recycled at the facility and stored in designated stockpiles or roll-offs. This section also indicates that incidental recyclables will be placed in containers located at the working face. Please revise the special waste costs provided to include the costs for load, hauling, and disposal of these wastes.

2. Groundwater, Surface Water, and Leachate Monitoring :

a.. The number groundwater monitoring wells and sampling frequency provided in this section may not correspond to the number of wells and sampling frequency that will be in the facility's approved groundwater monitoring plan (See John Morris' memorandum dated April 20, 2012). Please revise this section accordingly.

The Department requests that all information be provided with your response to the Department's request for information letter regarding the above referenced permit application. If you have any questions or concerns, please contact me at (813) 632-7600 ext. 385 or steve.morgan@dep.state.fl.us.

Sincerely,



Steven G. Morgan
Solid Waste Section
Southwest District

SM/sgm

cc: Dominic Iafrate, Angelo's Aggregate Materials, diafrate@iafrate.com
Rebecca Kelner, P.E., Kelner Engineering, Inc., Rebecca@kelnerinc.com
Richard Tedder, P.E., FDEP Tallahassee (e-mail)
Mike Elfers, P.E., FDEP Tallahassee (e-mail)
Mike Dunaway, FDEP Tallahassee (e-mail)
Frank Hornbrook, FDEP, Tallahassee, (e-mail)
John Morris, P.G., FDEP Tampa (e-mail)
Susan Pelz, P.E., FDEP Tampa (e-mail)

Memorandum

TO: Steve Morgan
FROM: John R. Morris, P.G. *JRM*
DATE: April 20, 2012
SUBJECT: Enterprise Class III Landfill, Pasco County [WACS facility #87895]
Construction Permit Renewal Application, Pending Permit #177982-019-SC/T3
Operation Permit Renewal Application, Pending Permit #177982-020-SO/T3
Environmental Monitoring Review Comments [RAI #1]
cc: Susan Pelz, P.E.

I have reviewed portions of the permit application materials submitted to the Department in support of the referenced applications for the Enterprise Class III Landfill that were submitted by Kelner Engineering, Inc. (KEI), on behalf of Angelo's Aggregate Materials, Ltd., received March 26, 2012. The materials that I reviewed were related to the hydrogeologic investigation and environmental monitoring aspects of the permit applications, and included the following:

- Document entitled "Enterprise Class III Landfill, Pasco County, Florida, Operations Permit Renewal Application, Permit No. 177982-007-SO/T3" [referred to as the "**Engineering Report**"], prepared by KEI, dated March 2012, including:
 - Section 1 – DEP Form #62-701.900(1), Application for a Permit to Construct, Operate, Modify or Close a Solid Waste Management Facility, signed/sealed March 23, 2012
 - Section 2 – Checklist Support
 - Section 4 – Revised Drawing Sheets
 - Section 5 – Document entitled "Enterprise Class III Landfill, Groundwater Monitoring Plan, March 2012" [referred to as the "**2012 GWMP document**"], prepared by Locklear & Associates, LLC, dated March 2012
 - Section 6 – Document entitled "Enterprise Class III Landfill, Water Quality Monitoring Plan Evaluation, March 2012 [referred to as the "**2012 WQMPE document**"], prepared by Locklear & Associates, LLC, dated March 2012

Additional information is required to address the requirements of Rules 62-701.410 and 62-701.510, F.A.C., and to evaluate the adequacy of the monitoring plan. Please have the applicant submit responses to the following review comments and 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 [including text, figures, tables, attachments, forms, plan sheets, etc.]. It is recommended that a meeting be scheduled with the applicant, consultant and Department staff to discuss the requested information prior to the submittal of responses to these review comments.

The review comments have been referenced to sections of the permit application and are also referenced to the sections of the supporting documents where appropriate, as presented below:

REFERENCES

1. The information presented in the "References" section of the Engineering Report did not indicate whether the pending permit renewal applications were relying on any parts of the information presented in the following:
 - Section 5 in the document entitled "Enterprise Recycling and Disposal Facility, Class III Landfill Permit Renewal Application," prepared by Tetra Tech HAI, Inc., dated August 2005 and subsequently revised
 - Section 5 in the document entitled "Enterprise Recycling and Disposal Facility, Class III Landfill Permit Application," prepared by Hartman & Associates, Inc., dated November 2000 and subsequently revised

Please submit revisions to the "References" section to identify if any of the previously submitted information is relied upon to address the hydrogeological investigation requirements of Rule 62-701.410(1), F.A.C.

PART H – HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS

[Rule 62-701.410(1), F.A.C.]

2. H.1.b.: Direction and rate of ground water and surface water flow including seasonal variations.

[Rule 62-701.410(1)(a)1, F.A.C.]

- a. This item of the application form referred to Part H of the Engineering Report. This section in Part H of the Engineering Report referred to the information included in Section III of the 2012 WQMPE document. It is noted that Section III of the 2012 WQMPE document does not provide information regarding the rate of ground water flow in the surficial aquifer or Floridan aquifer. Please submit revisions to the 2012 WQMPE document to calculate the rate and direction of ground water flow in the surficial aquifer and the Floridan aquifer for the review period [sampling events conducted between the first half of 2009 through the second half of 2011].
- b. Table 2 of the 2012 WQMPE document indicated several surficial aquifer wells were “DRY” during the sampling events conducted during the review period [including wells MW-1A, MW-3, MW-8, MW-9 and MW-10] meaning there was an insufficient amount of water for sample collection. Table 3 of the 2012 WQMPE document indicated instances where wells contained no water column and instances when small but measurable water column heights were reported during the review period. Please submit revisions to Section III of the 2012 WQMPE document to indicate if any of the small water column heights presented in Table 3 [for wells MW-3, MW-8, MW-9 and MW-10] represent water retained in the bottom of the well rather than the water table surface elevation of the surficial aquifer.
- c. Table 2 of the 2012 WQMPE document indicated an “NA” entry regarding the ground water elevation reported for well MW-12A during the September 2011 sampling event. Conflicting information describing the occurrence of ground water in well MW-12A during the September 2011 sampling event follows:
- The Sampling Log form prepared for well MW-12A during the September 2011 event indicated a depth to water of 51.12 feet below the top of casing, which would indicate a ground water surface elevation of 69.91 ft NGVD.
 - The same Sampling Log form also indicated that well MW-12A was purged dry and included a notation that it was a “dry well.”
 - The ground water surface elevation contour map included in the report of results for the September 2011 sampling event indicated a ground water elevation of 69.91 ft NGVD at well MW-12A.
 - Table 3 of the 2012 WQMPE document indicated a water column height of 9.96 feet in well MW-12A during the September 2011 sampling event.

Please submit revisions to Section III of the 2012 WQMPE document to clarify the occurrence of ground water at well MW-12A during the September 2011 sampling event.

- d. Please submit revisions to Section III of the 2012 WQMPE document to include the information used to determine the water column heights presented in Table 3. In the event that the monitor wells are constructed with a sump below the screened interval, please submit revisions to Section III of the 2012 WQMPE document to include the total depth elevation for each monitor well.
- e. ¶3 in the “Surficial Aquifer” sub-section in Section III of the 2012 WQMPE document indicated that the consistent lack of water at surficial aquifer wells MW-8, MW-9 and MW-10 appeared to contradict the presence of a laterally continuous surficial aquifer in the eastern portion of the site [as described in Section 5.2.2 of the August 2005 document entitled “Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application,” prepared by Tetra Tech HAI, Inc.]. Please submit revisions to Section III of the 2012 WQMPE document to evaluate the lithology described on the boring logs prepared when wells MW-8/MW-8B, MW-9/MW-9B and MW-10/MW-10B were installed and discuss whether the screened intervals of these surficial aquifer wells were installed at appropriate elevations to encounter ground water in the unconsolidated sediments overlying the confining unit.

PART H – HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS [continued]

[Comment #2., continued]

f. ¶2 in the “Floridan Aquifer” sub-section in Section III of the 2012 WQMPE document indicated ground water elevations at well MW-8B were significantly less than the other Floridan aquifer wells and that well MW-8B should be re-surveyed to verify the accuracy of the top of casing elevation. It is noted that the ground water elevations reported for well MW-8B were generally within 0.3 feet of the ground water elevations reported at adjacent well MW-9B through the May 2007 sampling event, while ground water elevations starting with the December 2007 sampling event were reported to be more than 7 feet different at these two wells. Please complete the new survey and submit revisions to Section III of the 2012 GWMPE document to summarize the construction details for all existing wells, including top of casing elevation, top/bottom screen elevations, total well depth elevation, and range of ground water elevations for the period of record at each monitor well.

g. ¶3 in the “Floridan Aquifer” sub-section in Section III of the 2012 WQMPE document indicated Floridan aquifer potentiometric surface contour maps were provided in Appendix F. Please submit revisions to Appendix F to include a contour map for the ground water elevations reported for the September 2011 sampling event.

3. H.1.d.: Any on-site hydraulic connections between aquifers. [Rule 62-701.410(1)(a)3, F.A.C.]

This item of the application form referred to Part H of the Engineering Report. This section in Part H of the Engineering Report referred to the information included in Section III of the 2012 WQMPE document. It is noted that Section III of the 2012 WQMPE document does not provide information regarding the potential for vertical ground water flow across the confining unit at the base of the surficial aquifer. Please submit revisions to Section III of the 2012 WQMPE document to compare ground water elevations reported for paired surficial aquifer and Floridan aquifer monitor wells for the sampling events conducted during the review period and describe the potential for vertical ground water flow across the confining unit. Please submit additional revisions to Section III of the 2012 WQMPE document to evaluate whether the mimicry in the hydrographs prepared for the surficial aquifer wells [Figure 2] and for the Floridan aquifer wells [Figure 4] for the review period suggest a hydraulic connection between the aquifers is present at the site.

4. H.1.e.: Site stratigraphy and aquifer characteristics for confining layers, semi-confining layers, and all aquifers below the landfill site that may be affected by the landfill. [Rule 62-701.410(1)(a)4, F.A.C.]

This item of the application form referred to Part H of the Engineering Report. This section in Part H of the Engineering Report referred to the information included in Sections II and III of the 2012 WQMPE document. It is noted that Sections II and III of the 2012 WQMPE document do not provide information regarding hydraulic conductivity, hydraulic gradient, effective porosity or ground water velocity of the surficial aquifer, the confining unit at the base of the surficial aquifer, or the Floridan aquifer. Please submit revisions to Sections II and III of the 2012 WQMPE document to provide these aquifer characteristics.

5. H.1.g.: Inventory of all public and private water wells within a one-mile radius of the landfill . . .

H.1.i.: Include a map showing locations of all potable wells . . .

[Rules 62-701.410(1)(b) and 62-701.410(1)(d), F.A.C., respectively].

These items of the application form referred to Part H of the Engineering Report. This section in Part H of the Engineering Report indicated the SWFWMD potable water well construction database was reviewed for the time period following the permit renewal in 2007, and that two potable wells have been constructed in the general vicinity of the Enterprise Landfill. Please submit revisions to the appropriate section of the Engineering Report to provide an updated inventory of all public and private water wells within a one-mile radius of the landfill site. Please submit additional revisions to the appropriate section of the Engineering Report to provide an updated map showing the locations of all potable wells within 500 feet of the waste storage and disposal areas. Please submit revisions to these items of the application form that reference the requested information.

PART L – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS

[Rule 62-701.510, F.A.C.]

6. L.1.: Water quality and leachate monitoring plan shall be submitted describing the proposed . . .

[Rule 62-701.510(1), F.A.C.]

a. This item of the application form referred to Part L of the Engineering Report. ¶1 of the 2012 GWMP document indicated it was prepared in accordance with the provisions of Chapter 62-522.600(3), F.A.C. Please submit revisions to ¶1 of the 2012 GWMP document to indicate it was prepared in accordance with the provisions of Rule 62-701.510, F.A.C., and any non-conflicting provisions of Chapter 62-520, F.A.C.

b. Please submit revisions to the 2012 GWMP document to address the monitoring network associated with disposal up to and including Cell 7 [refer to Comment #5., in Steve Morgan's letter dated April 24, 2012].

c. Please submit revisions to the 2012 GWMP document to clarify the status of well MW-1A [Table 1] and show the locations of wells MW-1A, MW-9, MW-10, MW-11, and all remaining piezometers [Figure 1].

7. L.1.c.(2): Downgradient compliance wells as required [Rule 62-701.510(3)(b), F.A.C.]

This item of the application form referred to Part L of the Engineering Report. This section in Part L of the Engineering Report indicated downgradient compliance wells will be installed, if warranted, in accordance with Section 1.d., of the 2012 GWMP document. Please submit revisions to this section of the 2012 GWMP document to also indicate that compliance wells will be located at or immediately adjacent to the compliance line of the zone of discharge. Please submit revisions to Figure 1 of the 2012 GWMP document to depict the lateral extent of the zone of discharge associated with disposal up to and including Cell 7.

8. L.1.c.(3): Background wells screened in all aquifers below the landfill that may be affected by the landfill [Rule 62-701.510(3)(c), F.A.C.]

This item of the application form referred to Part L of the Engineering Report. This section in Part L of the Engineering Report indicated the monitoring network includes background wells screened in both the surficial aquifer and Floridan aquifer as discussed in Section 1., of the 2012 GWMP document. It is noted that Table 1 of the 2012 GWMP document re-designated existing detection wells MW-10 and MW-10B as background wells for the facility. It does not appear that either well meets the definition of "background well" as presented in Chapter 62-520.200(3), F.A.C., due to their proximity to the landfill disposal footprint and the stormwater management system. Furthermore, a sample has not been able to be collected from well MW-10 since the October 2004 sampling event. Please submit revisions to the 2012 GWMP document to provide unique identification numbers, locations, and justification of construction details for new surficial aquifer and Floridan aquifer background wells. Please note that in the absence of a background well, the results reported for the downgradient wells shall be compared to the Department's ground water standards or ground water minimum criteria.

9. L.1.c.(6): Well screen locations properly selected [Rule 62-701.510(3)(d)4, F.A.C.]

a. This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated well screen locations were discussed in Section 1.d., of the 2012 GWMP document. ¶2 in Section 1.d., of the 2012 GWMP document indicated the screen placement for proposed monitor wells shall be determined from lithologic information collected at the time of installation, and historic water level elevations. ¶2 in Section 1.d., of the 2012 GWMP document also indicated that proposed monitor wells shall be constructed in accordance with the details provided in Figure 16 [surficial aquifer wells] and Figure 17 [Floridan aquifer wells] of the August 2005 document entitled "Enterprise Recycling and Disposal Facility Class III Landfill Permit Renewal Application," prepared by Tetra Tech HAI, Inc. Please submit revisions to the 2012 GWMP document to include revised Figure 16 and Figure 17 to include the justification for screen length and screen elevations for proposed wells MW-18A, MW-18B, MW-19A, MW-19B, MW-20A, and MW-20B.

PART L – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS [continued]

[Comment #9., continued]

b. Please submit revisions to ¶2 in Section 1.d., of the 2012 GWMP document to indicate that construction details for proposed monitor wells shall be provided on Department Form #62-701.900(30).

10. L.1.c.(8): Procedures for properly abandoning monitoring wells [Rule 62-701.510(3)(d)5, F.A.C.].

This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated monitor well abandonment procedures were provided in Section 1.d., of the 2012 GWMP document. ¶3 in Section 1.d., of the 2012 GWMP document indicated wells shall be plugged and abandoned in accordance with Rule 62-532-440, F.A.C. Please submit revisions to this section of the 2012 GWMP document to reference the well abandonment requirements of Rule 62-532-500(5), F.A.C., to reflect the amendments to Chapter 62-532, F.A.C., that were effective on February 16, 2012.

11. L.1.d.(1): Location of and justification for all proposed surface water monitoring points

[Rule 62-701.510(4)(a), F.A.C.].

This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated surface water sampling locations were discussed in Section 1.e., of the 2012 GWMP document. Section 1.e., of the 2012 GWMP document indicated it is not anticipated that the existing stormwater management system will discharge from the property. This indication appears to conflict with the notation provided in Item #B.26 of the application form which stated that the stormwater system was designed for the 25-year, 24-hour storm event. Please submit revisions to this section of the 2012 GWMP document and/or to Item #B.26 of the application form to clarify the design capacity of the stormwater management system for the facility.

12. L.1.d.(2): Each monitoring location to be marked and its position determined . . .

[Rule 62-701.510(4)(c), F.A.C.].

This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated surface water monitoring location marking was discussed in Section 1.e., of the 2012 GWMP document. Section 1.e., of the 2012 GWMP document indicated a representative sample of each discharge event from the stormwater management system will be collected. Please submit revisions to Figure 1 of the 2012 GWMP document to identify the location(s) of discharge points from the stormwater management system [i.e., weirs, emergency discharge structures, etc.].

13. L.1.f.(1): Initial background ground water and surface water sampling and analysis requirements

[Rule 62-701.510(6), F.A.C.].

This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated background ground water and surface water sampling requirements were addressed in Section 1.g.(1), of the 2012 GWMP document. Section 1.g.(1), of the 2012 GWMP document indicated that the initial ground water sampling event from new wells will be conducted for analysis of the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C., as presented in Table 2. Section 1.g.(1), of the 2012 GWMP document also indicated that the parameters listed in Table 2 will also be conducted at the time of permit renewal. While the Department does not object to having the ground water initial sampling event parameters repeated at the time of permit renewal, Section 1.g.(1), of the 2012 GWMP document identifies analyses beyond the requirements of Rule 62-701.510(6)(b), F.A.C. **This comment was presented for informational purposes and does not require a response.**

PART L – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS [continued]

14. L.1.f.(3): Routine monitoring well sampling and analysis requirements [Rule 62-701.510(6)(d), F.A.C.]. This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated routine ground water sampling requirements were addressed in Section 1.g.(2) of the 2012 GWMP document. Section 1.g.(2), of the 2012 GWMP document indicated routine ground water sampling would be conducted at a semi-annual frequency. It is noted that Rule 62-701.510(6)(d), F.A.C., indicates that detection wells and a representative sample of background wells shall be sampled and analyzed at least semi-annually [emphasis added]. Please submit revisions to this section of the GWMP document to demonstrate that conducting routine ground water sampling at a semi-annual frequency is appropriate for site-specific ground water velocity calculations provided for the surficial and Floridan aquifers [refer to Comment #2.a., above].

15. L.1.f.(4): Routine surface water sampling and analysis requirements [Rule 62-701.510(6)(3), F.A.C.]. This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated routine surface water sampling requirements were addressed in Section 1.g.(3) of the 2012 GWMP document. Section 1.g.(2) of the 2012 GWMP document referred to the parameters listed in Table 4. Please submit revisions to Table 4 of the 2012 GWMP document to indicate surface water samples shall be analyzed for total hardness [as mg/L CaCO₃] and total phosphates [as mg/L P] to be consistent with the revisions to Rule 62-701.510(8)(b), F.A.C., that were effective on January 6, 2010.

16. L.1.g.: Describe procedures for implementing evaluation monitoring . . . [Rule 62-701.510(7)(a), F.A.C.]. This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated the procedures for implementing evaluation monitoring were addressed in Section 1.h., of the 2012 GWMP document. Please submit revisions to bullet item #3 in this section of the 2012 GWMP document to be consistent with the requirements of Rule 62-701.510(7)(a)3, F.A.C., as follow:

- Compliance wells and affected detection wells shall be sampled quarterly for analysis of the parameters listed in Rule 62-701.510(8)(a), F.A.C., and any other parameters detected in the affected detection and downgradient wells sampled in accordance with Rule 62-701.510(7)(a)2, F.A.C.
- Compliance wells and affected detection wells shall be sampled annually for analysis of the parameters listed in Rule 62-701.510(8)(d), F.A.C.

17. L.1.h.(1): Semi-annual report requirements [Rule 62-701.510(9)(a), F.A.C.]. This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated the report requirements were provided in Section 1.i.(1) of the 2012 GWMP document. Please submit revisions to the bullet items presented in this section of the 2012 GWMP document to indicate that Department Form #62-701.900(31) shall be provided with each sampling event report submitted for the facility.

18. L.1.h.(3): Two and one-half year report requirements . . . [Rule 62-701.510(9)(b), F.A.C.]. This item of the application form referenced Part L of the Engineering Report. This section in Part L of the Engineering Report indicated a technical report would be submitted every two and one-half years to summarize and interpret the water quality monitoring results and water level measurements during the review period. Please submit responses to the following review comments regarding the 2012 WQMPE document.

a. Section IV – Groundwater Quality

- 1) ¶1 of this section indicated there was no statistically significant impact from landfilling activities in ground water quality in the downgradient monitor wells. Please submit revisions to this section to describe the statistical evaluation that was conducted on the water quality results.

PART L – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS [continued]

[Comment #18.a., continued]

- 2) ¶1 of this section referred to the tabular summary of analytical data provided in Appendix G. Please submit revisions to Appendix G to address the following:
- i) April 2009 sampling event – please submit ground water elevations for all monitor wells included in this sampling event consistent with Table 2 or Table 5 of the 2012 WQMPE document.
 - ii) October 2009 sampling event – please submit ground water elevations for wells MW-7BR and MW-9B consistent with Table 5 of the 2012 WQMPE document.
 - iii) October 2009 sampling event – Appendix G indicated mercury was reported at a concentration of <0.024 µg/L in the sample collected from well MW-11, however the ADaPT files submitted for this event did not include a mercury result for the sample collected from well MW-11.
 - iv) December 2009 sampling event – please submit ground water elevations for wells MW-1B, MW-5A, MW-5B, MW-6, MW-7A, MW-7BR, MW-8B, MW-11B, and MW-12B consistent with Table 2 or Table 5 of the 2012 WQMPE document.
 - v) December 2009 sampling event – please submit redox potential values for all monitor wells included in this sampling event consistent with the Sampling Log forms submitted for this event.
 - vi) March 2011 sampling event – please submit ground water elevations for all monitor wells included in this sampling event consistent with Table 2 or Table 5 of the 2012 WQMPE document.
 - vii) March 2011 sampling event – Appendix G indicated the redox potential at well MW-10B was measured at -237.7 mV, however the Sampling Log form for this event indicated a redox potential of -150.7 mV.
 - viii) September 2011 sampling event -- please submit ground water elevations for all monitor wells included in this sampling event consistent with Table 2 or Table 5 of the 2012 WQMPE document.
- 3) ¶2 of this section indicated it may be more appropriate to consider existing detection wells MW-10 and MW-10B as representative of background or upgradient ground water quality. Please submit revisions to this section to be consistent with the response provided to Comment #8., above.
- 4) Figure 6 plotted conductivity values reported during the review period. It does not appear that the conductivity values presented on Figure 6 are consistent with the conductivity values presented in Appendix G. Please review this apparent inconsistency and submit revisions, as appropriate.
- 5) The sub-section that discussed Dissolved Oxygen [D.O.] indicated variation in D.O. could be attributed to a variety of factors, including on-going excavation and cell construction activities, however these factors were not described in Appendix H. Based on the discussion of natural D.O. levels in ground water at Enterprise Landfill described in Appendix H, all appropriate care should continue to be taken to minimize agitation of the water column during well purging and sample collection activities. **This comment is presented for informational purposes and does not require a response.**
- 6) Please submit revisions to Figure 9 [TDS], Figure 10 [chromium], and Figure 14 [vanadium] to include wells MW-11, MW-11B and MW-12B in the legend.
- 7) Please submit revisions to Figure 12 [mercury] to include the results reported for the re-sampling event conducted at well MW-7A during November 2009.

PART L – WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS [continued]

[Comment #18.a., continued]

- 8) Please submit revisions to the sub-section that discussed nickel to clarify that a re-sampling event in accordance with Rule 62-701.510(7)(a), F.A.C., was not conducted to confirm the result reported for the March 2011 event, but that the results of the next routine ground water sampling event conducted during September 2011 were reported below the method detection limit.

- b. Please submit revisions to the appropriate section of the 2012 WQMPE document to provide an evaluation of ground water flow rates to address the requirements of Rule 62-701.910(9)(b)7, F.A.C. [refer to Comment #2.a., above].

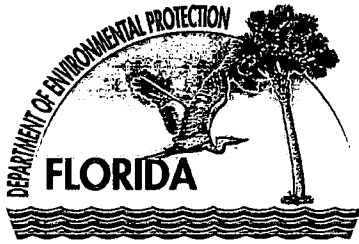
- c. Please submit revisions to the appropriate section of the 2012 WQMPE document to provide an evaluation of the adequacy of the water quality monitoring frequency to address the requirements of Rule 62-701.510(9)(b)8, F.A.C. [refer to Comment #14., above].

- d. Please submit revisions to the appropriate section of the 2012 WQMPE document to provide an evaluation of the adequacy of the sampling locations based on site conditions to address the requirements of Rule 62-701.510(9)(b)8, F.A.C. Please specifically address the inability to collect a sample from surficial aquifer well MW-6 during the April 2009 and March 2011 events, and the inability to collect a sample from Floridan aquifer well MW-9B during the April 2009 and December 2009 events.

This staff assessment is preliminary and is designed to assist in the review of the application prior to final agency action. The comments provided herein are not the final position of the Department and may be subject to revision pursuant to additional information for further review.

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

jrm



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Transmitted via email only to: john.phillip.arnold@gmail.com

Mr. John Arnold
Angelo's Aggregate Materials, Ltd.
PO Box 1493
Largo, Fl. 33779

April 24, 2012

RE: Certification of Construction - Cell 6 Construction
Enterprise Recycling and Disposal Facility
Permit No.: 177982-008-SC/T3, Pasco County
WACS No.: SWD/51/87895

Dear Mr. Arnold:

The Department has reviewed the additional information provided in support of the above referenced Certification of Construction of Cell 6 dated March 2, 2012 (received March 6, 2012) and received via e-mail on March 26, 2012, April 6, 2012 and April 16, 2012. Based on the Department's review of the information provided, the certification of construction is not approved. This is the Department's second request for information. Please provide the information listed below promptly.

ATTACHMENT G - LIMEROCK DETAILS AND ELEVATIONS OBSERVATIONS

1. The narrative in Attachment G indicates that in Areas B-2, B-3, and B-4 "The western most extent of limerock will be determined at a later date with the mining of the area west of Cell 6." Therefore it appears that limerock which may be west of Cell 6 in these areas was not over excavated and a 3' clay layer was not constructed over exposed limerock, which may result in the direct discharge of contact stormwater (i.e. leachate) diverted to the western edge of Cell 6 into the exposed limestone.

As shown on Sheet C-10 of the construction/operation drawings, a temporary stormwater diversion swale was to be constructed west of Cell 6. The details for this diversion swale, shown on Details 1 & 3 on Drawing C-22 of the construction/operation drawings, show the constructed cell bottom clay layer continuing in the constructed swale. The revised engineer of record narrative report, weekly construction photographs, and as-built surveys do not appear to describe or show the constructed diversion swale. The daily observation reports for July 14th and 15th discuss the "excavation & benching of western edge of cut for stormwater control, but do not appear to discuss the construction of the diversion swale, including the construction of the clay layer in the constructed swale.

a. Please verify and provide supporting documentation that the permitted temporary stormwater diversion swale was constructed along the western edge of Cell 6.

b. Please provide the supporting rationale for not determining the western extent of limestone encountered during Cell 6 construction and not mitigating these areas to prevent potential direct discharge of contact stormwater (i.e. leachate) from Cell 6 into the limerock.

Southwest District
Permitting Application

Sutton

New Site

Site Name:	
Site ID:	WACS ID#
County:	
Type/Subcode:	
Fee submitted:	() correct () incorrect
Total Fee Required \$	Need \$ Refund \$

Existing Site

Site ID:	177982 177982 - 019
Project Name:	ENTERPRISE CROSS TILL LF WACS ID# 87895
Type/Subcode:	SC/T3 New / Modification <u>Renewal</u>
Fee submitted:	\$6000 <input checked="" type="checkbox"/> correct () incorrect
Total Fee Required \$	Need \$ Refund \$

Applicant Information

Name:	JOHN ARNOLO
Role:	APPLICANT
Company:	ANGELO'S AGGREGATE MATERIALS LTD
Address:	
City:	State: Zip Code:
Phone:	ON - FILE

Fee verified by: S. MOROIAN
Application Assigned To: S. MOROIAN Date: 3/27/12

Transmittal Letter

March 22, 2012

Kelner Engineering Inc.
1050 Northeast 10th Place
Gainesville, Florida 32601
P: (352) 672-8060 F: (866) 722-0656
info@kelnerinc.com

Dept. of Environmental
Protection

MAR 26 2012

To:


Florida Department of Environmental Protection
Southwest District
13051 North Telecom Park
Temple Terrace, Florida 33637-0926

Attention: Susan Peiz, P.E.
Southwest District
Enterprise Class III Recycling and Disposal
Re: Facility Permit Renewal Application

Job Number: 1500-01

We are sending you			
<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Under Separate Cover the following:		
<input type="checkbox"/> Shop Drawings	<input type="checkbox"/> Prints	<input type="checkbox"/> Plans	<input checked="" type="checkbox"/> Other: Permit Application
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Change Order	<input type="checkbox"/> Samples	
<input type="checkbox"/> Report	<input type="checkbox"/> Reproducible	<input type="checkbox"/> Specification	

Copies	Date	Description
4	March 23, 2012	Permit Renewal Application: Operations Permit 177982-007-SO and Construction Permit 177982-008-SC
1	March 12, 2012	Permit Application Fee - \$10,000, check no. 047519
1	March 23, 2012	Electronic Copy of Application Document

These are transmitted as checked below	
<input type="checkbox"/> For Approval	<input checked="" type="checkbox"/> For Review and Comment
<input type="checkbox"/> For Signature	<input type="checkbox"/> For Your Information
<input type="checkbox"/> As Requested	<input type="checkbox"/> For Your File
Comments:	
Copy to:	
John Arnold, P.E., Angelo's Aggregate Materials, LTD.	 Rebecca Kelner, P.E.

Dept. of Environment
Protection
MAR 26 2012
Southwest District

March 23, 2012

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

Subject: Angelo's Aggregate Materials, LTD.
Enterprise Class III Recycling and Disposal Facility
Operations Permit 177982-007-SO Renewal Application Renewal
Construction Permit 177892-008-SC Renewal Application Renewal
WACS ID: SWD/51/87895

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, LTD. (Angelo's), we are submitting four copies of FDEP form 62-701.900(1) *Application to Construct, Operate, Modify, or Close a Solid Waste Management Facility* along with supporting documents to renew the existing construction and operations permits for the Enterprise Recycling and Disposal Facility (RDF) in Dade City, Florida. A CD containing the electronic copy of the submittal is attached. The content of the application has been prepared to include direction and comments from the Department provided at the pre-application meeting on November 30, 2011.

The application for renewal of the construction permit includes no changes to the currently permitted footprint or dimensions. The applicant is currently in the process of obtaining Certification of Construction Completion for Cell 6.

The application for renewal of the operations permit includes no substantial changes from the current operations permit and conditions. The required information for continued solid waste disposal operations at the Enterprise Recycling and Disposal Facility has been updated where needed and submitted. Text changes to the approved Engineering Report, Operations Plan, and Closure Plan have been indicated with strikethrough and underline. A new Hydrogeological Investigation and Groundwater Monitoring Plan have been submitted.

Angelo's Aggregate Materials, LTD. Check #47519 for the amount of \$10,000 (\$6,000 for construction permit renewal and \$4,000 for operations permit renewal is attached). The fees are in accordance with the fee schedule in 62-701.315(1)(b), F.A.C. for Class III construction permits and 62-701.315(2)(b) for Class III operations permits.

A notice of application for a permit to construct a solid waste management facility will be published in a local newspaper of general circulation, upon receipt of notification from the Department to publish the notification.

Ms. Susan Pelz, P.E.

March 23, 2012

Page 2

We will mail the published notice of application for a permit to construct a solid waste management facility to the Chair of the Pasco County Board of County Commissioners, and each State Senator and Representative serving the jurisdiction in which the project is located. Proof of notification will be provided to the Department under separate cover.

Please refer to the Table of Contents for the document organization and location of supporting documentation.

Please contact me at (352) 672-8060 if you have any questions or comments regarding the submittal.

Sincerely,

REBECCA

3-23-12

REBECCA KELNER, P.E.

Florida P.E. No. 66470

Principal

Kelner Engineering

ENGINEER

PROFESSIONAL

FLORIDA

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CL AREA: CRAF006A
 Logged Total:

Collection Point Log Remittance

Remittance ID: Type: Received Date: Status:
 System Receipt: PNR: Check #: Amount:
 SSN/FEID: Name:
 First: Middle: Title: Suffix:
 Address1:
 Address2:
 City: ST: Zip:
 Country: Short Comments:

PAYMENT(S)

Payment ID	CL Area	Code/Description	Payment Amount	Reference#	Appl	Fund*	Grant*	Status
1141294	SWD	002244 SOLID WASTE CON	6,000.00	177982-019	PA	PFTF		COMPLETE
1141295	SWD	002246 SOLID WASTE OPE	4,000.00	177982-020	PA	PFTF		COMPLETE
COMMIT FREQUENTLY			10,000.00	Payment Total				

Press <TAB> to accept Collection Point or enter F&A



SITE Permit

Site Name: Site #:
 County: Comments: RPAs: # Cases:

Project

Permit #: Project #: Received: CRA #:
 Permit Office: Agency Action:
 Project Name: Desc:
 Type/Sub/Des: WACS/ME ID: Pre-App:
 Logged: Issued: Expires: Application Action:
 Fee: Fee Recd: Del: COE #: Override:

Related Party

Role: Begin: End:
 Name: Company:
 Address:
 City: State: Zip: Country:
 Phone: Fax: Email:

Processors

Processor: Active: Inactive:

Enter 'Y' if this is the PRIMARY processor.