



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

smccash@wasteservicesinc.com

Mr. Shawn McCash
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0053

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility – Class I
Minor Modification Application for Revised Financial Assurance
Partial Closure of Side Slopes of Phase 1 – Certification Report
Review Comments
Permit No. SO49-0199726-011

Dear Mr. McCash:

Geosyntec Consultants submitted the following two reports on your behalf:

- 1) "Minor Modification Application for Revised Financial Assurance, Phase 1 Partial Closure Construction, J.E.D. Solid Waste Management Facility Osceola County, Florida". It was dated December 2009 and received January 5, 2010.
- 2) "Certification Report Phase 1 Partial Closure J.E.D. Solid Waste Management Facility Osceola County, Florida". It was dated December 2009 and received by the Department on January 5, 2010. This report was signed and sealed by Professional Engineer of Record Mr. Craig R. Browne, P.E. of Geosyntec Consultants.

The Department has completed the review of these two documents; our comments are attached. Submit two hard copies of the requested information to the Department. (Reference the above permit number in your correspondence.) Final approval of these two documents will be delayed until all the requested information has been received.

If you have any questions, please contact me at (407) 893-3328 or by e-mail at tom.lubozynski@dep.state.fl.us.

Sincerely,

F. Thomas Lubozynski, P.E.
Waste Program Administrator

Date: February 9, 2010

FTL/sj

cc:

Craig R. Browne, P.E., Geosyntec Consultants, cbrowne@geosyntec.com
Mike Kaiser, Waste Services, Inc., mkaiser@wasteservicesinc.com
Fred Wick, Financial Coordinator, FDEP Tallahassee
Frank Hornbrook, FDEP Tallahassee

Note that the following comments refer to the document titled, "Minor Modification Application for Revised Financial Assurance, Phase 1 Partial Closure Construction, J.E.D. Solid Waste Management Facility Osceola County, Florida", Prepared by: Geosyntec Consultants, 14055 Riveredge Drive, Suite 300, Tampa, FL 33637 dated December 2009.

1. Section 3. Financial Assurance Cost Estimate for Phase 1 Partial Closure, Page 3, Table:

Please note that the Current Approved Closure Cost Estimate (Cells 1-6) listed in the first Row of this Table for Closure Cost (\$6,467,502.27) and Long-Term Care Cost (\$6,536,404.23) does not match with the Department's cost estimates approved via Department Letter No. OCD-SW-09-0138 dated May 5, 2009. The approved closure cost was \$6,759,816.81 and long-term care cost for 30 years was \$6,717,874.81. Based on these FY 2009 approved costs, the Department approves the following closure and long-term care cost estimates for FY 2010 for the facility.

Identification	Closure Cost Estimate	Long-Term Care Cost Estimate	Financial Assurance Cost Estimate
FY 2009 Current Approved Closure Cost Estimate (Cells 1-6)	\$6,759,816.81	\$6,717,874.81	\$13,477,691.62
Revised Closure Cost Estimate (Cells 1-6)	Total Closing Cost is \$4,763,710.72 instead of \$4,722,141.72 (Math Error on Page 6 of 11 of DEP Form 62-701.900(28))		
Inflation Adjustment of Long-Term Care Costs for FY 2010 (Factor 1.02) due March 1, 2010		$(1.02 \times \$6,717,874.81) = \$6,852,232.06$	
Revised Closure Cost Estimate (Cells 1-6) to: 1) reduce closure cost for Phase 1 Partial Closure of Approx. 25 Acres; and 2) addition of Waste Tire Storage and Processing Facility and Auto Shredder Residual Recycling Operations	\$4,763,710.72	\$6,852,232.06	\$11,615,942.78

Do you agree with the changes explained in the above table? If yes, please submit the revised corrected page 6 of 11 of DEP Form 62-701.900(28). If you do not agree with the changes, please provide explanation.

Note that the following comments refer to the document titled, "Certification Report Phase 1 Partial Closure J.E.D. Solid Waste Management Facility Osceola County, Florida", Prepared by: Geosyntec Consultants, 14055 Riveredge Drive, Suite 300, Tampa, FL 33637 dated December 2009.

1. **Section 3.3, Minor Changes for Construction, Page 3-2, Paragraph 2, Second Last Sentence:** This sentence states that the actual area of closure construction was reduced by approximately 2.6 acres. However, the Certification of Construction Completion of a Solid Waste Management Facility submitted with this document indicates Site Acreage Phase 1 Closure – Apprx. 25 Acres which is slightly higher than 24.7 acres listed in DEP Permit No. SO49-0199726-011 based on your application for Intermediate Permit Modification dated November 2008 (Reference No. 1 - Appendix A of DEP Permit No. SO49-0199726-011). Please correct this discrepancy. Provide correct acreage closed as part of this Phase 1 partial closure. If necessary, submit the revised Certification of Construction Completion of a Solid Waste Management Facility.
2. **Appendix C, Daily Field Reports:** The last daily field report in this Appendix is dated 19 August 2009. However, a review of the construction photos presented in Appendix B indicates construction activities were ongoing until 17 November 2009. It appears that some of the daily field reports are missing. Did the construction quality assurance (CQA) oversight end on 19 August 2009? Submit the missing daily field reports or provide clarification.
3. **Appendix H, Cap Protective Cover Field Nuclear Moisture Density Logs:** The Pass/Fail information is not provided on the Field Nuclear Density Test Log dated July 21, 2009 (second last page in this Appendix). Submit the missing information.
4. **Appendix P, Geomembrane Trial Seam Logs (Fusion and Extrusion):** Provide clear definition of project criteria for Pass/Fail associated with Shear tests. It appears that the shear tests passing criteria listed in the top portion of the trial seam logs is 120 ppi. Is this correct? If yes, then several samples are listed as having passed the shear test even though the test results were below 120 ppi. However, it appears that the specified values of Shear Strength for both Fusion and Extrusion for smooth or textured geomembrane are 60 ppi for LLDPE, and 80 ppi for HDPE based on review of the Technical Specifications (Table 02770-2, Page 02770-21 in Appendix C) presented in your Partial Landfill Closure Application for Intermediate Modification dated November 2008, Clarify this discrepancy.
5. **Appendix S, Geomembrane Field Destructive Test Log:** Several sheets have missing field data in the destructive test log sheets presented in this Appendix. Specifically, second to last row of page 6 of 11, and page 8 of 11 thru page 11 of 11. Submit the missing data or provide explanation why the data is not presented. Additionally, clarify the Pass/Fail Criteria associated with shear tests. Refer to similar comments in Comment No. 4 above. Table 5-3A presented in this Appendix has 60 ppi as specified shear strength for both fusion and extrusion in Note No. 4. Destructive test log sheets (page 1 of 11 thru 11 of 11) lists project requirement for shear as 120 ppi.
6. **Appendix Y, Geotextile Conformance Test Results (TRI):** The TRI cover sheet dated March 18, 2009 presented in this Appendix lists Permittivity (ASTM D 4491) as one of the required test for the six samples. However the test results for three out of the six samples does not include the results of the permittivity tests. Specifically, sample ID 1010172958 on Page 2 of 7, sample ID 101072991 on page 5 of 7, and sample ID 101072995 on page 6 of 7. Similarly, permittivity test data is missing for several of other samples in two other data sets (page 4 of 9 thru pages 6 of 9, page 8 of 9, page 9 of 9, pages 3 and 4 of 7, and pages 6 of 7 and 7 of 7) presented in this Appendix.