



Florida Department of Environmental Protection

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Transmitted electronically only to: lerose@scgov.net

Ms. Lois Rose, Manager
Sarasota County Solid Waste Operations
4000 Knights Trail Road
Nokomis, Florida 34275

August 10, 2010

RE: Certification of Construction - Phase II Construction
Sarasota Central County Solid Waste Disposal Complex Class I LF
Construction Permit No.: 130542-006-SC/01
WACS ID No: SWD/58/51614

Dear Ms. Rose:

The Department has reviewed the following information prepared in support of the Certification of Construction Completion for Phase II construction originally submitted February 12, 2010.

Central County Solid Waste Disposal Complex Cells 1-4 of Phase II Class I Landfill Certification of Construction Completion Report, including Attachments A through F, received on February 12, 2010 and March 4, 2010, prepared by HDR Engineering, Inc. and Ardaman & Associates, Inc.

Request for Additional Information No. 1 Certification of Construction - Phase II Construction, Sarasota Central County Solid Waste Disposal Complex Class I Landfill..., including Attachments A through K, received on April 13, 2010 and May 26, 2010, prepared by HDR Engineering, Inc. and Ardaman & Associates, Inc.

Central County Solid Waste Disposal Complex, Phase II Construction Certification - Construction Details/Initial Sampling Results for New Detection Wells..., received on June 30, 2010, prepared by Sarasota County.

Based on the Department review of construction certification reports referenced above, the Department has determined that the following unapproved construction deviation occurred during Phase II construction:

1. Specific Condition #B.11.c.(2) of Permit No. 130542-006-SC/01 states:

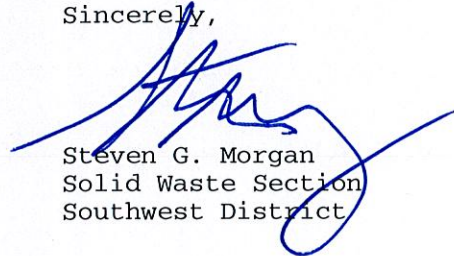
(2) In all cases destructive tests conducted on the geomembrane field seams shall demonstrate that the failure is outside of the seam area. Five specimens shall be tested for each test method (peel and shear) [Spec. 02775-3.2.D.2.c.]. Four out of five of the samples shall meet the minimum strength requirements for each test method (peel and shear) listed in Geomembrane Specifications (02775-3.2.D.3.). The strength results shall not be averaged and both sides of fusion welds shall be tested.
[Emphases added]

The above referenced April 13, 2010 response indicates that the permittee interpreted this specific condition to require "that four (4) out of five (5) specimens meet the specified seam strength and fail as Film Tear Bond (FTB)." [Emphasis added] Therefore destructive tests that had 1 out of 5 of the specimens with non-FTB failures were determined to be passing tests, deviating from the requirements of the above specific condition.

Based on the Department review of construction certification reports referenced above, the Department has determined that, except for above noted construction deviation, Phase II was constructed substantially in accordance with the approved Phase II design and the construction requirements of **Permit No. 130542-006-SC/01**.

The Department therefore approves the certification of construction completion of Phase II and approves the operation in Phase II in accordance with **Permit 130542-007-SO/01**. If you would like to discuss any issue in this letter, please contact me at (813) 632-7600 ext. 385.

Sincerely,



Steven G. Morgan
Solid Waste Section
Southwest District

cc: Thomas M. Yanoschak, P.E., DEE, HDR Engineering, Inc., Thomas.Yanoschak@hdrinc.com
John Morris, P.G., FDEP Tampa (e-mail)
Susan Pelz, P.E., FDEP Tampa (e-mail)