

SCS ENGINEERS

February 22, 2011
File No. 09207049.06

Dept. Of Environmental Protection

FEB 22 2011

Southwest District

Mr. Steven G. Morgan
FDEP – Southwest District
Solid Waste Section
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Subject: Response to Request for Additional Information No. 1 (RAI No. 1)
Phase 1/1A Leachate Riser Rehabilitation - Final Report
Pending Permit No.: 21375-018-S0/01, Citrus County
WACS No: SWD/09/39859

Dear Mr. Morgan:

On behalf of the Citrus County Solid Waste Division, SCS Engineers (SCS) submits the following responses to your request for additional information (RAI) No. 1. RAI No. 1 is dated February 7, 2011 and directed to Mr. Casey Stephens, Director Citrus County Solid Waste Department regarding the previously submitted Citrus County Central Class I Landfill Phase 1/1A Leachate Riser Rehabilitation - Final Report dated December 2, 2010. For ease of review, each Florida Department of Environmental Protection (FDEP) comments in RAI No. 1 are reiterated below in **bold** type, followed by our response in normal print.

SCS has provided revised submittals, or replacement pages to the submittals, using a strikethrough (~~strikethrough~~), underline (underline) or shaded (**shaded**) format to facilitate the review process. SCS has included the revision date as part of the footer for all revised submittals, or replacement pages to the submittals, and has provided four copies of all the revised and additional materials.

- 1. Final Report: The report indicates that the County plans to install permanent pumps in all the rehabilitated risers in the near future. Please verify and provide supporting documentation that the new permanent pumps will be the same type, size, and capacity as the replaced permitted leachate pumps. In the event that the County intends to install pumps of a different type, size, or capacity, the County must submit a minor permit modification application for this modification to the facility leachate collection system.**

The permit modification application shall include manufacturing details on the replacement pumps and supporting information and calculations (e.g. pump cycle and capacity calculations, leachate generation rates, etc.), that demonstrate the replacement pumps are of sufficient size and capacity to adequately remove the quantities of leachate generated in Phases 1 and 1A.



Response: The permit modification application letter is included in this package. The application fee of \$250 is waived per discussions with Steve Morgan as would like to include this request with the request for the leachate effluent regulatory level change.

2. **Drawing 3: The 6" x 3" reducer placed at the end of the 6" insert liner riser pipes appears to further restrict the size of the pump that can utilized for leachate removal. Please explain the purpose of placing a reducer at the end of the liner pipes.**


Response: The purpose of the reducer is to restrict the pump from sliding into the 24-inch casing. The pump will rest on top of the reducer. If the pump goes past the end of the liner pipe, it could catch on the end of the liner pipe and be difficult to recover for repair or replacement.

3. **Based on the Department's review of the information provided in the report, a permit modification to revise the facility's Operation Plan to describe the operation of the revised Phase 1/1A leachate collection system is not required at this time. This comment is provided for informational purposes only and does not require a response.**

Response: Acknowledged.

As requested, enclosed are four copies of this submittal. If you have any questions please do not hesitate to contact either of the undersigned at (813) 621-0080.

Sincerely,


Dominique H. Bramlett, P.E.
Senior Project Engineer
SCS ENGINEERS

DHB/CEH:dhb

cc: Casey Stephens, Citrus County


C. Ed Hilton, Jr., P.E.
Project Director
SCS ENGINEERS