From:	Madden, Melissa
To:	Byer, Kimberly
Cc:	Clark, Bruce; Ruiz, Larry; "Curtis, Bob"; Adams, David; Greenwell, Jeffry; Morgan, Steve (Steve.Morgan@dep.state.fl.us); Morris, John R. (John.R.Morris@dep.state.fl.us); Steven Tafuni (Steven.Tafuni@dep.state.fl.us); Ramirez, Javier; Boatwright, Kelley M.
Subject:	RE: Southeast County Landfill, Permit No. 35435-023-SO/IM, Facility ID No. 41193 - Responses to August 25, 2016 Letter
Date:	Thursday, October 6, 2016 9:42:00 AM
Attachments:	L20160926MM Response FDEP Comments.pdf image003.png

Kim,

The Department has reviewed the response letter prepared by SCS Engineers, transmitted by September 26, 2016 email below, submitted in response to the Department's August 25, 2016 Letter and as follow-up to the September 16, 2016 meeting. The Department anticipates the County's submittal of the referenced work plan to asses head over liner in Phases I-IV by October 14, 2016. Based on the comments in your response letter, the Department is providing the following items for your consideration and inclusion in the work plan:

1. Please include proposed leachate piezometer locations, construction details, schedule for implementation, frequency/duration of proposed leachate measurements, and schedule for submittal of an evaluation of the head over the liner in Phases I-IV following the investigation.
2. Please clarify whether effects of pore pressure in clay will be evaluated, and if so, how?
3. Please include the location and construction details for the temporary well proposed between TH-67 and TH-66A. Results of the monthly and quarterly sampling at TH-67, TH-20B, TH-66A, TH-38B, TH-71A and the proposed temporary monitor well shall be reported by the 15th day of the month following the end of each month/quarterly period. The narrative reports for the quarterly events shall include lab report of results, sampling logs, water levels for the wells/piezometers at the eastern portion of Phases I-VI, water level for Smith Lake, a ground water surface elevation contour map. The ADaPT files submitted with the narrative reports for the quarterly events should exclude the temporary monitor well.

Additionally, my notes from our discussions during the September 16, 2016 meeting indicate that County proposed pump settings at PPS-B to be set as pump on - 20", and pump off - 9" in order to facilitate increased leachate removal from Phases I-IV. This also appears to be more consistent with the elevations for pump on, pump off included on the PPS-B construction drawings, specifically Drawing 6, Section A, received February 10, 1998. However, the response letter and attached schematic indicates settings as pump on at 24" and pump off at 12". Can you confirm the current set points for PPS-B?

Based on the responses provided in Item 3 of the referenced SCS Engineers letter, it appears that Section 9 may have experienced a period where elevated leachate levels may have occurred due to malfunctioning equipment. It is the Department's understanding that these issues have been corrected and that the County will continue to monitor the readings closely to ensure the leachate level and pump controls continues to work properly. Moving forward, it would be helpful to record daily pump run times as a backup to meters and to identify any potential issues with the bubbler system.

Please feel free to contact me with any questions or concerns.

Thanks, Melissa

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From: Curtis, Bob [mailto:BCurtis@scsengineers.com]
Sent: Monday, September 26, 2016 2:24 PM
To: Madden, Melissa <Melissa.Madden@dep.state.fl.us>
Cc: Clark, Bruce <BClark@SCSEngineers.com>; Ruiz, Larry <RuizLE@HillsboroughCounty.ORG>; Byer, Kimberly <ByerK@hillsboroughcounty.org>; Adams, David <AdamsDS@HillsboroughCounty.ORG>; Greenwell, Jeffry <GreenwellJ@hillsboroughcounty.org>
Subject: Southeast County Landfill, Permit No. 35435-023-SO/IM, Facility ID No. 41193 - Responses to August 25, 2016 Letter

Ms. Madden,

On behalf of Hillsborough County Public Works Department, Solid Waste Management Division, SCS has prepared the attached responses to your letter dated August 25, 2016. Most of these items were discussed during our meeting on September 16, 2016. A hard copy will be mailed.

Please contact me if you have any questions or require additional information.

Regards,

Bob

Robert B. Curtis, P.E.
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