From:	Curtis, Bob
To:	Madden, Melissa
Cc:	Ruiz, Larry; Clark, Bruce; Morgan, Steve; Byer, Kimberly; Freedenberg, Henry
Subject:	Liquid Assessment Monitoring - Update
Date:	Friday, January 6, 2017 4:19:32 PM
Attachments:	image001.png

Melissa,

As requested by the SWMD, the following is an update on the progress of work completed at the Southeast County Landfill related to the Phase II liquid assessment:

LFG EW Dewatering

In an effort to remove as much leachate as possible, dewatering of LFG EWs has started. The County installed pneumatic pumps in EW-44, EW-48, and CT-1. They began pumping directly to LFG condensate pipe which is pumped to the LTRF. We will forward pumping data as it becomes available. SCS began dewatering LFG extraction wells with more than 2-feet of liquid using submersible pumps. Leachate is pumped to portable tanks and disposed of at the on-site LTRF.

Piezometer Installation

The Work Plan outlined the proposed installation of piezometer pairs. The installation was scheduled to begin January 3, 2017. Due to unforeseen issues, the drilling is now scheduled to commence in February.

Phase II Geotechnical Investigation

As discussed during our meeting, the geotechnical investigation of phosphatic clay in Phase II has been completed. We anticipate the formal submittal to the FDEP by the end of January.

Phases III-VI Geotechnical Investigation

In order to have an alternative to filling in Phase II, the County is planning to request a Minor Modification to the Operation Permit to revise the fill sequence in the current Operation Plan. This will require testing of the clay in the Phases IV-VI areas (Lifts 16 and 17). While the drillers were on site, samples were collected in the Phase II area to eliminate the need for future testing for Lift 15. Drilling and sample collection in Phases III-VI was completed on 1/6/2017. The clay samples were sent to a soils laboratory and are in the process of being tested for shear strength. The slope stability model will be completed following testing.

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

Regards,

Bob

Robert B. Curtis, P.E.
Project Manager
SCS Engineers

4041 Park Oaks Boulevard, Suite 100
Tampa, FL 33610

(813) 804-6701 (Direct)
(813) 293-3403 (Cell)
(813) 623-6757 (Fax)
(813) 621-0080 (Office)

From: Madden, Melissa [mailto:Melissa.Madden@dep.state.fl.us]
Sent: Friday, December 16, 2016 2:58 PM
To: Byer, Kimberly <ByerK@hillsboroughcounty.org>
Cc: Ruiz, Larry <RuizLE@HillsboroughCounty.ORG>; Adams, David <AdamsDS@hillsboroughcounty.org>; Curtis, Bob <BCurtis@scsengineers.com>; Greenwell, Jeffry <GreenwellJ@hillsboroughcounty.org>; Clark, Bruce <BClark@SCSEngineers.com>; Urena, Laurel <LUrena@scsengineers.com>; Tafuni, Steven <Steven.Tafuni@dep.state.fl.us>; Boatwright, Kelley M. <Kelley.M.Boatwright@dep.state.fl.us>; Morris, John R. <John.R.Morris@dep.state.fl.us>; Morgan, Steve <Steve.Morgan@dep.state.fl.us>; Ramirez, Javier <Javier.Ramirez@dep.state.fl.us>
Subject: RE: SCLF - Liquid Assessment Monitoring Findings Report

Kim,

The Department does not object to the installation of the piezometers proposed in Section 3.3 of the referenced report (attached), and as shown on Attachment 1, Figure 3, transmitted via December 15, 2016 email (also attached).

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

Thanks, Melissa

Melissa Madden
Environmental Consultant – Solid Waste
Florida Department of Environmental Protection, Southwest District
13051 N Telecom Parkway, Temple Terrace, FL 33637
(813) 470-5795 Phone | (813) 470-5995 Fax
melissa.madden@dep.state.fl.us

From: Curtis, Bob [mailto:BCurtis@scsengineers.com]
Sent: Tuesday, December 13, 2016 3:38 PM
To: Madden, Melissa <Melissa.Madden@dep.state.fl.us>
Cc: Byer, Kimberly <ByerK@hillsboroughcounty.org>; Ruiz, Larry <RuizLE@HillsboroughCounty.ORG>; Adams, David <AdamsDS@hillsboroughcounty.org>; Greenwell, Jeffry <GreenwellJ@hillsboroughcounty.org>; Clark, Bruce <BClark@SCSEngineers.com>; Urena, Laurel <LUrena@scsengineers.com>
Subject: SCLF - Liquid Assessment Monitoring Findings Report

Melissa,

On behalf of the Hillsborough County Public Works Department, Solid Waste Management Division, attached please find a PDF copy of the Liquid Assessment Monitoring Findings Report (Report) conducted at the Southeast County Landfill (SCLF). This report is a follow up to the "Liquid Assessment Monitoring and TH-79 Installation Work Plan" (Work Plan) dated October 21, 2016, and submitted to the Florida Department of Environmental Protection (FDEP).

This Report summarizes preliminary findings of the initial liquid level assessment monitoring (Stage 1) of the Work Plan. This Report is also intended to support discussions with the FDEP held on November 30, 2016 regarding liquid level assessment at SCLF and a review of comments in their e-mail dated November 1, 2016.

Three (3) hard copies were sent to your office today.

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

Regards,

Bob

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Robert B. Curtis, P.E.
Project Manager
SCS Engineers
4041 Park Oaks Boulevard, Suite 100
Tampa, FL 33610

(813) 804-6701 (Direct)
(813) 293-3403 (Cell)
(813) 623-6757 (Fax)
(813) 621-0080 (Office)

bcurtis@scsengineers.com
www.scsengineers.com

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