

Borderieux, Scott

From: Henry C. Norris <Henry.Norris@citrusbocc.com>
Sent: Friday, October 18, 2019 3:55 PM
To: Borderieux, Scott
Cc: Randall S. Olney; Larry J. Brock
Subject: RE: [EXTERNAL]Citrus Central Inspection Follow-up
Attachments: Mowing Schedule.docx; Daily and Intermediate Cover.docx

Scott, please see below the inspection findings and corrective action status



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Solid Waste Division Director
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From: Borderieux, Scott [mailto:Scott.Borderieux@FloridaDEP.gov]
Sent: Friday, October 04, 2019 3:15 PM
To: Henry C. Norris
Cc: Madden, Melissa; Dinning, Matt; Morgan, Steve; Tafuni, Steven
Subject: [EXTERNAL]Citrus Central Inspection Follow-up

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Henry, it was nice to see you yesterday. As promised, here is the outline of items we discussed during the inspection that need follow-up. As always, please send photos of the fixes as they are completed. For anything that cannot be finished in 2 weeks (by 9-18-19), please provide a schedule of when and how it will be corrected.

Items to address:

1. Isolate and repair the active leachate seeps on the East side of Phase 3.

Seep repairs are ongoing on east and north side of phase III, expected completion 10/18. 200 loads of red clay soil is current being procured to be used for any future seep repairs.

2. Evaluate the integrity of well MW-19 and replace the cracked well pad.

MW-19 and MW-19d were found to be damaged by contractor installing powered gas extraction system on the 7 acre site. Field services workers from Jones Edmunds have inspected the wells and found that the integrity of the wells have not been compromised and informed the contract of the required repairs to concrete pads. Will follow up with FDEP when concrete work is complete

3. Provide the 2019 Q2 gas report.

Submitted

4. Provide the 2019 Q3 gas report and Q3 leachate report when finished or by no later than October 15, 2019.

submitted

5. Provide a plan and a schedule to address the inadequate initial and intermediate cover on Phase 3

See attached

6. Provide documentation that the working face containment berm on the east side of Phase 3 has been restored.

After Seep repairs on the east end of phase III are complete berms will be reestablished to prevent any runoff outside of cell, expected completion 10/18

7. Provide details about the compressed gas pilot project described to be mobilizing to the site next week (received 10-4-19 – Thank you).

submitted

8. Provide maintenance records for leachate pumps in accordance with Appendix D of the Operation Plan

Submitted – work completed 6/25/19 and 9/4/19

9. Provide a schedule for mowing the 7 Acre cell and Phases 1 and 1A side slopes

See attached

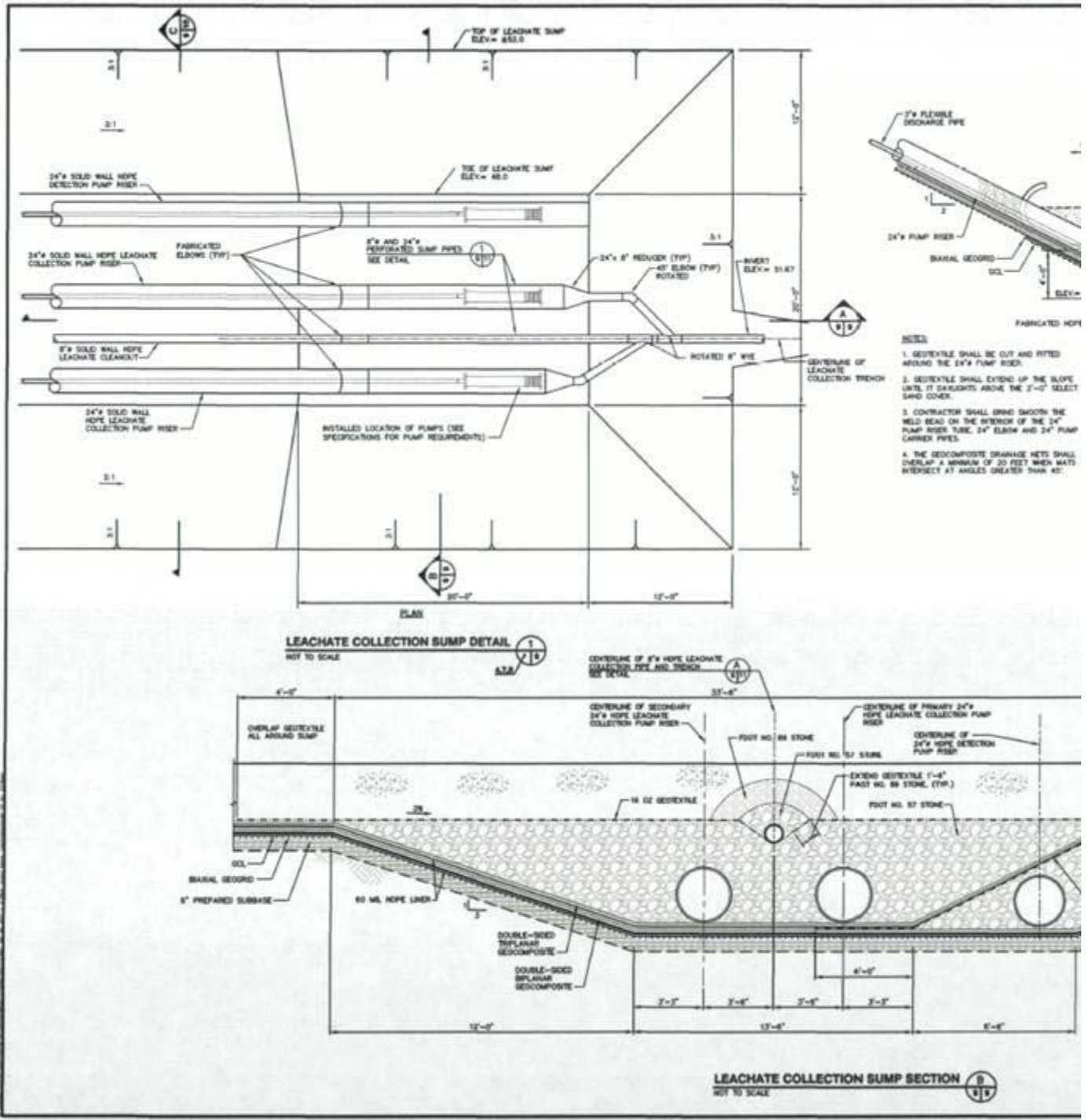
10. Provide information regarding spotter retraining in the Citizen Drop Off/Scalehouse to ensure that Class I household wastes are not dumped on the ground in the furniture area

Scale house employees and Spotters have been briefed on prohibited class 1 waste deposited in the furniture area, customers are being instructed to place all household waste delivered to the customer service area in the provided dumpsters. Additionally we are planning to redirect customers with dump trailers to the working face if loads are determined to contain class 1 waste. The gas system expansion contractor is currently installing lateral headers in phase III in the west end of phase III, once this phase of the project is complete a small working face will be created on the west end of phase III to take residential class 1 waste.

11. Provide additional information about pump and transducer locations at Phases 1, 1A, 2 and 3 in relation to the pump setpoints and provide a demonstration that leachate is not allowed to accumulate in excess of 12" on each of the respective landfill liners. As discussed during the inspection, it appears that the leachate pumps and transducers within the riser pipes of Phase 3 (and Phase 2?) may be located outside of the sump (within the pipe & before the elbow) and/or that the pump setpoints may be set too high. During the inspection, the Phase 3 primary lead pump was set to pump at 7' and the lag at 7'2", with pump off at 6'5" and the secondary on at 1'5" and pump off 1'1". The primary alarm is set to 8'. It was also indicated that the transducer is set 1' above the pump in the riser pipe. The sump appears to be 4' deep. Please see the Phase 3 Expansion Project, Sheet 9, titled *Leachate Collection System Details*, below or at the following link for more detail about the sump construction. Based on these observations, it appears that head on liner may be accumulating in excess of 12" within Phase 3 (and Phase 2?); and Phase 3 may never be drawn down to less than 12" of head (normal operating condition between 2'7" and 3' of head on liner outside of the sump or more depending on transducer location). Similar setpoints were observed for Phase II but details for the sump construction have not yet been reviewed.

The landfill is currently working with vendor to provide submersible camera services to determine transducer location within the risers and to determine the amount of head that is in each sump. Once this is completed a report will be submitted to FDEP for review.

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.109141.1\]&\[profile=Permitting_Authorization\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.109141.1]&[profile=Permitting_Authorization])



Thank you for your assistance with these items. Please let me know if there is anything I can clarify for you.

Scott

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Daily and Intermediate Cover

Cover material will be utilized to minimize vector breeding, animal attraction and reduce fire potential as well as to prevent blowing litter and to control odors. Daily cover material will be composed of soil from the on-site borrow area and sufficient amounts will be hauled daily to cover working face. A 50/50 mixture of soil and mulch can be used to reduce soil consumption in addition to ADC which can be utilized and applied for a maximum duration of seven days in dry conditions.

Daily soil cover will be placed and compacted minimum thickness of 6 inches; sprayed on ADC will be applied per manufacturer specification and shall not be used in rain.

Intermediate cover shall be applied to a minimum thickness of 12 inches whenever an area is not intended for use for a period of longer than 180 days.

Working face

The size of the working face will be maintained wide enough to accommodate at least three trucks at a time. Additionally the working face will be bermed off on three sides to effectively redirect storm water preventing contact with waste. Waste will be spread and compacted in 2 foot lifts with a minimum amount of 5 passes with the compactor. Once the active working face has been filled and compacted, cover material will be immediately applied and a new 3 sided working face will be constructed. This method will be followed through the entire fill sequence.



Board of County Commissioners

DEPARTMENT OF PUBLIC WORKS SOLID WASTE MANAGEMENT DIVISION

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Citrus County Central Landfill Mowing Schedule

All mowing will be completed on a as needed basis

The Citrus County Central Landfill mowing is completed around buildings and entrance with a zero turn mower when reaching a normal 4 to 5 inches in height.

The remainder of landfill site is mowed with a bat wing mower when vegetation reaches a height of 12 to 14 inches.

All 3 to 1 slopes and DRA's will be mowed using slope mowing

Dan Sherlock

Operation Manager