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Jacksonville, Florida 32256  
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May15, 2019

Mr. Joe Dertien  
Florida Department of Environmental Protection  
Solid Waste Section  
2600 Blair Stone Road/MS 4565  
Tallahassee, FL 32399

Subject: Trail Ridge Landfill Seep Repair  
Notification of Disturbance to Clay Cap for Leachate Seep Repair

Dear Mr. Dertien:

After recent completion of four seep repairs at Trail Ridge Landfill (TRLF) in Duval County, Florida, Waste Management staff noticed a collapse of a small area near one of the previous seep repairs likely caused by excess moisture, and an area of increased moisture was noted on the east face of the hill. A field inspection was performed by CDM Smith, Waste Management personnel, and the contractor hired by Waste Management to perform the seep repairs on May 7<sup>th</sup>, 2019. The inspection confirmed that additional investigation should be performed at the two locations and repairs made based on the results of the investigation. These proposed seep repairs will disturb the existing cap and will act as an extension of the previous repairs (see **Figure 1**). The work will include the following at both locations:

1. The existing seep repair rock bed will be dug up using an excavator and uncovered to expose the perforated pipe beneath the fabric and stone.
2. The perforated pipe will be extended west and then north (up slope) at the southern seep location, along with the stone and fabric material.
3. Similarly, at the second location (east side of landfill), the perforated pipe will be extended up slope to increase the size of the rock bed.
4. Each excavation will be repaired with the excavated layer materials, additional clay where needed, 2 feet of topsoil, and sod at each of the disturbed locations. Each of the soil layers will be placed and compacted.

This letter serves as a notification to the Florida Department of Environmental Protection (FDEP) for the outlined repair work. During this leachate seep repair work, CDM Smith will ensure that no





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other impacts occur to the landfill cap or leachate collection systems. The exposed areas will be covered the same day to minimize emissions of the landfill gas and control odors. Once complete, clay and top soil will be tested for conformance with the Trail Ridge Landfill Phases 1-5 Closure Plan. CDM Smith will also take pictures to document this work and restoration efforts for the cap system. Once all the field work is completed, CDM Smith will submit a letter to notify FDEP that the work is complete.

The work is scheduled to take place the week of May 20, 2019. If you have any questions or need further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Lisa M. Sterling".

Lisa M. Sterling, P.E.  
Project Manager  
CDM Smith Inc.

Enclosures

cc: Jeff Foster (COJ)  
Greg Mathes (WMI)



MAY 2019