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March 18, 2014

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

Subject: Trail Ridge Landfill Phase 6 Construction
Notification of Completion of Clay Cap Geotechnical Investigation

Dear Mr. Dunaway:

On March 5, 2014, CDM Smith Inc., on behalf of the City of Jacksonville (COJ), notified the Florida Department of Environmental Protection (FDEP) of geotechnical investigations impacting the existing cap of the Trail Ridge Landfill (TRLF) necessary for the design of the new operations road along the western face of existing Phase 1 through Phase 5. CDM Smith is pleased to submit this letter, which summarizes the activities of the geotechnical investigation on Thursday, March 13, 2014 and serves as a notification of completion of the work.

Field activities included 8 total hand auger borings drilled along the existing side-slope and location of temporary bypass-roadway to depths ranging from 4 to 6 feet below the existing ground surface. Hand augers penetrated through the vegetative top soil and protective cover, clay cap and intermediate/daily cover. A total of three samples were collected for geotechnical analysis and all auger holes were repaired by refilling with the excavated layer materials and new bentonite for the clay layer. Each of the soil layers was placed and manually compacted in the test holes. As part of this work, no other impacts occurred to the landfill cap or gas management systems and all test holes were restored within the same day. Photographs documenting the work described can be found in **Attachment A**.

If you have any questions or need further information, please do not hesitate to contact me at (904) 527-6726.

Sincerely,

A handwritten signature in blue ink that reads "Lisa M Sterling". The signature is written in a cursive, flowing style.

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





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

Enclosures



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Attachment A

Hand Auger Test Hole
Locations



EXISTING
VAL COVER

EXISTING
VAL COVER

X APPROXIMATE TEST PIT
LOCATION

DESIGNED BY: A. KADAMBA
DRAWN BY: B. CHANDRA
CHECKED BY: A. HOFFMAN
APPROVED BY: A. SHERIDAN
DATE: FEBRUARY 2014

**CDM
Smith**
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CITY OF JACKSONVILLE
TRAIL RIDGE LANDFILL PHASES 6-14
CLASS 1 CELL EXPANSION

PROPOSED OPERATIONS ACCESS ROAD
PHASE 6

PROJECT NO.
FILE NAME
SHEET
C-

Western Road - Top of
Slope



Hand Auger Equipment



Hand Auger in Test Hole



Sample of Clay Cap From
Auger Hole



Bentonite Used to
Partially BackFill The Test
Holes

