



**TRAIL RIDGE LANDFILL, INC.**

5110 U.S. Highway 301 South  
Baldwin, Florida 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

December 14, 2010

Emerson Raulerson, P.E.  
Solid Waste Section Supervisor  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, FL 32256-7598

**Re: Trail Ridge Landfill – Contained Leachate overflow**

Dear Mr. Raulerson,

Per the email notification sent on December 9, 2010, Trail Ridge Landfill experienced a contained leachate tank overflow. A recap, current update and plans going forward are discussed below.

On December 9<sup>th</sup> the leachate tanks located on the north eastern side of the landfill were observed to be overflowing. All of the leachate pump stations were immediately turned off and the flow of leachate to the tanks stopped. Brian Durden with the Florida Department of Environmental Protection was onsite during the event and he was immediately notified. Mr. Durden and I examined the area and agreed that the overflow was contained within the secondary containment area.

Once it was confirmed that the overflow liquid was contained, the third-party leachate hauler was contacted to send additional tanker trucks to the facility to expedite the removal of the liquid from the secondary containment. The liquid was pumped from the sump, located in the secondary containment area, directly into the tanker trucks. Approximately 8,000 gallons of liquid was removed from the containment area.

During the course of the investigation, it was discovered that the overflow protection device did not operate properly. A third-party electrical company, Miller Electric, was brought to the site to assist in troubleshooting the overflow protection system. The electrician indicated that 10 of the 16 relays that make up the system were not functioning, thus preventing the shut down of the leachate pumps prior to the overfilling of the tanks. It is assumed that a power surge that occurred the prior day was most likely to blame. The relays were replaced and the system was tested and confirmed to be working properly. A second company, Integrated Environmental Technology, was also onsite and confirmed that the overflow protection system was operating properly.

Currently the site is working with Integrated Environmental Technology (IET) to conduct a deep-dive of the entire system and to make recommendations for system upgrades/improvements. In addition, the site will continue to inspect and monitor the area to ensure that the system is operating as intended.



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We appreciate your consideration and please contact me with any further questions or concerns at (904) 289-9100.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Edward Schmalfeld II', on a light blue background.

Edward Schmalfeld II, P.E.  
District Manager

CC: Brian Durden, FDEP  
Jeff Foster, City of Jacksonville  
Gregory Mathes, Waste Management  
Jim Christiansen, Waste Management  
Eric Parker, Waste Management