

Johnson, Sabrina O

From: Tafuni, Steven
Sent: Wednesday, December 9, 2020 11:28 AM
To: SWD_Waste
Cc: Newsome, Kaitlyn
Subject: FW: Leachate Spill Report
Attachments: spill_120520 - 7 day rpt.pdf

Steven Tafuni

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From: Ruiz, Larry <RuizLE@HillsboroughCounty.ORG>
Sent: Monday, December 7, 2020 1:32 PM
To: Tafuni, Steven <Steven.Tafuni@FloridaDEP.gov>
Cc: Byer, Kimberly <ByerK@hillsboroughcounty.org>; Madden, Melissa <Melissa.Madden@FloridaDEP.gov>; Holton, Michelle <HoltonM@hillsboroughcounty.org>; Greenwell, Jeffry <GreenwellJ@hillsboroughcounty.org>
Subject: Leachate Spill Report

Hello Steve, attached find the leachate spill report for December 5, 2020. Please let me know if you need additional information. Thank you

Larry E. Ruiz

Manager Landfill Operations
Solid Waste Management Division
Public Utilities Department

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Hillsborough County Florida

PUBLIC UTILITIES

PO Box 1110, Tampa, FL 33601-1110

December 7, 2020

Mr. Steve Tafuni
Florida Department of Environmental Protection
13051 N. Telecom Pkwy
Tampa, Florida 33637

SUBJECT: December 5, 2020 Leachate Spill at the Main Leachate
Pump Station, Southeast County Landfill Permit No.
35435-022-SO-01

Dear Mr. Tafuni:

The Solid Waste Management Division (SWMD) is providing this letter to serve as formal written report regarding the subject spill as required by Operation Permit 35435-022. This letter follows the required 24-hour notification submitted via email to Ms. Melissa Madden on December 5, 2020. On Saturday December 5, 2020 between the hours of 6:00 A.M. to 7:00 A.M., there was a power glitch on site which knocked down power to all systems at the landfill. All systems were able to automatically restart except for the Landfill Gas Flare and the pumps at the Main Leachate Pump Station (MLPS) which caused the MLPS sump to overflow and spill into the stormwater area directly north to the MLPS. We estimate the spilled amount could have been as much as 6,000 gallons.

Upon discovery, the pump stations discharging into the MLPS were manually shut-down. The MLPS was manually restarted and all the spilled leachate was pumped back into the MLPS and conveyed to the leachate storage tank. The soil area which came in contact with leachate was excavated 6 to 12-inches deep and backfilled with clean soil from the borrow area. The contact soil removed was taken to the working face of the landfill (see attached photos). After the cleanup was completed, we evaluated the MLPS control panel to identify the cause of the malfunction. The evaluation concluded that for unknown reasons, the MLPS Programmable Logic Controller (PLC) was not able to restart after the power glitch thereby, the MLPS was not able to communicate to the other pump stations that it was not ready to receive flow.

The SWMD has taken the following actions to avoid reoccurrence:

- At the MLPS the control panel and telemetry systems were reset. As additional precaution a new backup battery for the PLC was installed.
- The control panel and telemetry systems at all other pump stations were reset.
- After all the systems were reset, the high-level condition at the MLPS were tested.
- Currently, all systems are operating normally.

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Leachate Spill at the Main Leachate Pump Station

December 7, 2020

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Should the FDEP have any questions or require additional information concerning the information provided, please contact me at (813) 455-2132

Sincerely,



Larry E. Ruiz

Manager Landfill Operations

Solid Waste Management Division

LR/ya

xc: Melissa Madden, FDEP

Kimberly Byer, SWMD

Photo 1. Affected area pre-cleanup (Looking NE)



Photo 2. Affected soil removal (Locking NW)



Photo 3. Completed clean soil backfill of affected area (Looking NE).

