



CARLSON ENVIRONMENTAL CONSULTANTS, PC

LANDFILL GAS AND SOLID WASTE SPECIALISTS

March 23, 2018

Mr. Brian Durden
Florida Department of Environmental Protection
Northeast District Office
8800 Baymeadows Way West, Suite 100
Jacksonville, FL 32256-7590

RE: Trail Ridge Landfill
WACS ID 33628
Notification of water quality monitoring exceedances

Dear Mr. Durden:

On behalf of Trail Ridge Landfill, Inc. (TRL), Carlson Environmental Consultants, PC (CEC) is submitting notification to the Florida Department of Environmental Protection (FDEP) of new detections and/or exceedances related to the 1st Half 2018 semiannual water quality monitoring event conducted February 20-21, 2018.

- Acetone was detected in a number of monitoring wells including MWB-11(S), 12(S), 22(S), 27(S), 29(S), 32(S), 33(S), 34(S), 35(S), 39(S), 40(S) below the primary drinking water standard. Acetone is a well-known lab contaminant and the large number of detections at wells that have no other indications of impacts suggest the detections are related to lab contamination. TRLF does not intend to resample for this parameter and will work with the lab to address the issue.
- Chloromethane was detected in MWB-2(S), MWB-40(S) at levels below the PQL and MCL, as well as surface water monitoring points SW-1, SW-4, SW-5, SW-6, and SW-7 at levels above the Class I surface water quality standard. The pattern of detection in isolated monitoring wells with no obvious other impacts and at nearly all surface water monitoring points (including SW-1 which is geographically separated from the other ponds that receive direct runoff from the landfill), suggests some sort of contamination also. However, chloromethane is not a highly common lab contaminant so TRLF will resample these points to verify the detections. We will also investigate with the lab and sampler to determine if there is another potential source of contamination. Additional information will be provided in the semiannual report.
- This was the first event that SW-4 though SW-7 were sampled. These locations are at the outfalls and downstream with the new retention pond that receives runoff from the expansion area, of which only Phase VI is active. Iron, lead, and mercury were all detected at levels exceeding Class I or Class III water quality standards. These are consistent with historical detections in SW-3. Further information will be provided in the semiannual report.

- Beryllium was detected at SW-5 at 0.58 ug/L, which is above the annual average Class I and III water quality standards. This appears to be an outlier and TRLF will resample SW-5 for this contaminant and evaluate the annual average with subsequent events.

Resampling will likely occur in April. Sampling will occur in conjunction with development and sampling of the planned replacement well for SGMW-1(S). TRLF will notify the Department in advance of both the well replacement and development/sampling dates in accordance with the solid waste permit.

If you have any questions or guidance regarding this notification, please contact either me at 321-704-4162 or Eric Parker at 904-289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read 'JCE', with a stylized flourish at the end.

Jim Christiansen
Project Director
Carlson Environmental Consultants, PC

cc: Seth Ramaley, P.G., Waste Management
Eric Parker, Waste Management In. of Florida
Eric Fuller, City of Jacksonville
Peter Walls, P.E., P.G., CEC