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Florida Department of  
**Environmental Protection**

**Memorandum**

**TO:** Mary Nogas, Northeast District Office

**THROUGH:** Jim Crane, Bureau of Waste Cleanup *JJC*

**FROM:** Michelle Allard, Bureau of Waste Cleanup *MA*

**DATE:** October 26, 1999

**SUBJECT:** 1999 Second Semi-Annual Groundwater, Surface Water and Leachate Monitoring Results for the Trail Ridge Landfill Site, Duval County

As the cover letter implies, the following monitor wells had elevated iron concentrations above the standard of .3 mg/l; MWB-2S (.7 mg/l), MWB-3S (.8 mg/l), MWB-3I (.6 mg/l), MWB-7I (.6 mg/l), MWB-11S (.7 mg/l), MWB-11I (1.7 mg/l), MWB-12I (.4 mg/l), MWB-12D (.8 mg/l), MWB-13I (.5 mg/l), MWB-17D (.7 mg/l), MWB-19S (.7 mg/l), MWB-19I (.9 mg/l), MWB-19D (1.6 mg/l), MWB-20S (.8 mg/l), MWB-21S (.6 mg/l), MWB-27I (.5 mg/l), MWB-29I (.4 mg/l) and MWB-29D (1.5 mg/l).

Low pH values were reported for MWB-2S (4.46), MWB-2I (4.78), MWB-3S (4.75), MWB-3I (4.93), MWB-7S (4.78), MWB-7I (5.17), MWB-12S (5), MWB-12I (5.51), MWB-13S (5.01), MWB-13I (5.24), MWB-17S (4.91), MWB-17I (4.93), MWB-17D (5.82), MWB-19S (4.93), MWB-19I (5.17), MWB-20S (4.02), MWB-21S (4.17), MWB-22S (4.83), MWB-27S (5.33), MWB-27I (5.56) and MWB-27D (5.95). Wells with low pH values not listed on the cover letter include MWB-29S (4.61), MWB-29I (5.08) and MWB-29D (5.69). While the cover letter also included MWB-11I in the list of wells with low pH values, the data sheet in the report did not provide a numerical entry, instead "n/a" was entered. Surface water sample SW-2 had a pH of 5.41.

As further noted in the cover letter, MWB-11I had an elevated total lead concentration of .023 mg/l. This well also had a high turbidity level.

Other observations listed in the sampling data sheets include slight odor in wells MWB-2I, MWB-12I, MWB-19I, MWB-20S, MWB-17S, MWB-17I and MWB-13I. Strong odor was noted in wells MWB-7S, MWB-12S, MWB-19S, MWB-21S, MWB-27S, MWB-27I, MWB-29S and MWB-29I. The leachate samples had strong odors and sheens. The detection limits for the leachate samples were elevated. 2-Butanone was detected in LCS (190,000 ppb) and LDSS (4,600 ppb).

The Department's monitoring reporting form was included in Section 2 of the document.

Please contact me at Suncom 278-3935, if you have any questions regarding this review.