

TO: Mary Nogas, Northeast District Office

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

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

DATE: January 6, 1999

SUBJECT: 1998 Second Semi-Annual Groundwater Monitoring Report for the Trail Ridge Landfill site, Duval County

I have reviewed the referenced document, which contained groundwater, surface water and leachate monitoring data, and offer the following comments and observations:

- 1) The groundwater flow direction data was not included in the report.
- 2) The sampling results were not reported on the Department's Parameter Monitoring Report forms as required in the permit.
- 3) Low pH values were recorded in the groundwater from wells MWB-2I, MWB-2S, MWB-3S, MWB-3I and duplicate, MWB-7I, MWB-7S, MWB-11I, MWB-11S, MWB-12I, MWB-12S, MWB-17D, MWB-13S, MWB-13I, MWB-17I and duplicate, MWB-17S, MWB-19I, MWB-19S, MWB-20S, MWB-21S, MWB-22S, OIFB and LCS.
- 4) Total iron was reported above the MCL of .3 mg/l in samples from MWB-2I (.32 mg/l), MWB-2S (.9 mg/l), MWB-3S (.76 mg/l), MWB-3I (.54 mg/l), MWB-3I duplicate (.58 mg/l), MWB-7I (.38 mg/l), MWB-11I (.91 mg/l), MWB-11S (.61 mg/l), MWB-12D (2.5 mg/l), MWB-12I (.38 mg/l), MWB-17D (.62 mg/l), MWB-13I (.55 mg/l), MWB-17S (.39 mg/l), MWB-19D (.78 mg/l), MWB-19I (.93 mg/l), MWB-20S (.66 mg/l), MWB-21S (.7 mg/l), MWB-22S (.41 mg/l), MWB-31D (.4 mg/l) and LCS (59 mg/l).
- 5) The dissolved iron concentration in MWB-11I was .37 mg/l and total lead was .03 mg/l. The dissolved iron concentration in MWB-19I was .31 mg/l.
- 6) The color was above 15 units in samples from MWB-7S (20 units), MWB-11I (75 units) and MWB-19I (20 units).
- 7) The groundwater from MWB-20S had a slight field odor, while the water from MWB-21S had strong odors reported.
- 8) The LCS sample also had strong odors, a slight sheen, 250 color units and elevated TDS (2000 mg/l), sodium (380 mg/l) and acetone (1500 mg/l) concentrations.

MEMORANDUM

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9) The leachate results fell within the criteria listed in 40 CFR 261.24, as required by the permit, but the data was not accompanied by a leachate generation report.

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