



**Review of 2013 2nd Semi-annual Groundwater Monitoring Report
for
Vista Landfill**

Review date: 3/17/14	Reviewed by: Allen Rainey, Environmental Specialist III	WACS facility ID #: 87081
Facility name: Vista Landfill, LLC	County: Orange	
Monitoring period: December 2013		
Type: Routine	Facility class types: Class III, Source-Separated Organics Processing Facility	
Report Date: 2/14/14	Received date: 2/25/14	
Prepared by: SCS Engineers	Submitted by: Waste Management Inc. of Florida	
Review Summary		
<u>Parameter Exceedances</u>		
<ul style="list-style-type: none"> Aluminum was exceeded in two compliance wells and one background well. The highest aluminum concentration is 1,900 micrograms per liter (µg/L) in compliance well MW-FL2R. Nitrate was exceeded in background wells MW-1A, MW-6AR, and MW-7A. The highest nitrate concentration is 13 milligrams per liter (mg/L) in MW-7A. Iron was exceeded in the same wells having aluminum exceedances. The highest iron concentration is 602 µg/L in compliance well MW-3A. 		
<u>Department Conclusions</u>		
<ul style="list-style-type: none"> Aluminum concentrations are consistent with monitoring data collected prior to waste placement and do not appear to be related to landfill operations. Nitrate may originate from rapid infiltration basins located east of the facility. There are no known iron impacts to surface water quality or a drinking water well. The laboratory exceeded the holding time for nitrate analysis for well MW-6AR. 		
<u>Hyperlink to Exceedance Summary Spreadsheet</u> 87081 GWMR Exceedance Summary 2013-12.xlsx		
Sampling and Analysis		
Sampling Dates: Dec. 19, 20	Last lab analysis date: 1/13/14	
# of active groundwater monitoring locations: 18		
Initial sampling device: Bladder Pumps & Electric Submersible Pump	Re-sampling device: N/A	
All groundwater and surface water sampling points sampled? YES	All analyses performed? YES	
Turbidity < 20 NTUs? YES	Unfiltered Samples? YES	
Dissolved oxygen > 5 mg/L or < 20% saturation? YES	pH between 6.5 – 8.5? NO*	
Analysis for unionized ammonia? N/A	Phenols sampled? N/A	
Trip blanks? YES [†]	Field or equipment blanks? YES [†]	
Lab certified under National Environmental Laboratory Accreditation Program? YES		
* <i>met stabilization criteria</i>		
[†] <i>of the wells without exceedances, some had method blank contamination for barium, copper, cadmium, and zinc</i>		
Monitoring Plan Implementation Schedule Reporting Requirements		
Revision Date: 2/14/13	Effective Date: 10/1/12	Permit: SO48-0165969-020
Notification made within 14 days of sampling? YES		
Cover letter? YES		
Ground Water Monitoring Report, DEP Form 62-520.900(2) (or equivalent)? YES	Certification date: 2/14/14	
Summary of exceedances & sampling issues? YES		
Groundwater contour maps? YES	Contour maps signed and sealed? YES	
Water levels & water elevation table? YES	Water level measurements made within one-day period? YES	
Groundwater Sampling Logs, DEP Form FD 9000-24? YES		
Chain of Custody forms? YES		
Conclusions and recommendations? YES		
Lab and field EDDs? YES	Lab EDD PDF file signed? YES	
Report signed and sealed by P.G.? YES		
Report received within 60 days of completing lab analysis? YES		