



Review of 2014 1<sup>st</sup> Semi-annual Water Quality Monitoring Report  
for  
Vista Landfill

Review Date: 9/26/14	Reviewed By: Allen Rainey, Environmental Specialist III	WACS Facility ID #: 87081
Facility Name: Vista Landfill	County: Orange	
Monitoring Period: June 2014		
Type: Routine	Facility Class Types: Class III, Source-Separated Organic Processing Facility	
Report Date: 8/29/14	Received Date: 9/2/14	
Prepared By: SCS Engineers	Submitted By: -----	
Review Details		
Summary		
No actions are needed to protect groundwater.		
Parameter Exceedances		
<ul style="list-style-type: none"> <li>Aluminum standard (200 µg/L) was exceeded in three background wells and three compliance wells. The highest aluminum concentration is 1,600 µg/L in background well MW-2AR.</li> <li>Nitrate standard (10 mg/L) was exceeded in background wells MW-1A, MW-6AR, and MW-7A. The highest nitrate concentration is 14 mg/L in both MW-1A and MW-6A.</li> <li>Iron standard (300 µg/L) was exceeded in only background well MW-2AR at 550 µg/L.</li> <li>pH range (6.5 – 8) was exceeded in well MW-FL2R at 9.4, but pH values in that well have consistently exceeded the range since before initial waste placement. pH values in five wells were below the range.</li> </ul>		
Notations		
<ul style="list-style-type: none"> <li>Aluminum concentrations are consistent with initial sampling results obtained prior to waste placement and do not appear to be related to landfill operations.</li> <li>Nitrate may originate from rapid infiltration basins located east of the facility.</li> <li>There are no known impacts to surface water quality or a drinking water well.</li> </ul>		
Purging Completion		
Dissolved oxygen > 5 mg/L or ≤ 20% saturation? NO	Turbidity ≤ 20 NTUs? YES	
If no, ± 0.2 mg/L or readings are within 10%? YES	If no, ± 5 NTUs or readings are within 10%? N/A	
Temperature ± 0.2° C? YES	pH ± 0.2 standard units? YES	
Specific conductance ± 5% of reading? YES		
Sampling and Analysis		
Sampling dates: June 12 & 13	Last lab analysis date: 6/25/14	
# of active groundwater monitoring locations: 18		
Initial sampling device: bladder pumps & electric submersible pump	Re-sampling device: N/A	
All groundwater sampling points sampled? YES	All analyses performed? YES	
Trip blanks? YES	Field or equipment blanks? YES	
Lab certified under National Environmental Laboratory Accreditation Program? YES		
Unionized ammonia analysis? N/A	Phenols analysis? N/A	Unfiltered samples? YES
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? NO		
Ground Water Monitoring Report, DEP Form 62-520.900(2) (or equivalent)? YES	Certification Date: 8/22/14	
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 EDD files named correctly (87081_201406_swldd.txt & 87081_201406_swfdd.txt)? YES		
Report named correctly (87081_201406_swgwmr.pdf)? YES		
File(s) indicate successful data export? N/A		
Report signed and sealed by P.G.? YES	Date signed and sealed: 8/29/14	
Report received within 60 days of completing lab analysis? NO		