



**Review of Initial Sampling Results for New Monitoring Wells  
at  
J.E.D. Solid Waste Management Facility**

Review Dates: 11/20/15 & 2/9/16	Reviewed By: Allen Rainey, Environmental Specialist III	WACS Facility ID #: 89544
Facility Name: J.E.D. Solid Waste Management Facility		
Monitoring Period: Initial		
Type: Initial	Facility Class Types: Class I, Construction & Demolition Debris	
Report Date: 9/18/15	Received Date: 9/18/15	WACS Upload Date: 10/26/15
Prepared By: Geosyntec Consultants	Submitted By: Geosyntec Consultants	
Report Title: Cell 11 Groundwater Monitoring Well Installation and Baseline Sampling Report		
<b>Review Details</b>		
<u>Summary</u>		
<ul style="list-style-type: none"> <li>This review is based on initial sampling of the following six detection wells in August 2015: MW-27A/B, MW-28AB, and MW-29A/B.</li> <li>For this sampling event, there are several Appendix II parameters that have laboratory results in the report but do not appear in the ADaPT Lab EDD file (see "List of Parameters Missing from ADaPT EDD Laboratory File" table at end of this document). Only the following parameters have no analytical results in either the report or the ADaPT file for this sampling event. Two of them have the same CAS #.  O,O-Diethyl O-2-pyrazinyl phosphorothioate, CAS #298-04-4  O,O,O-Triethyl phosphorothioate, CAS #126-68-1  Thionazin, CAS #298-04-4</li> </ul>		
<u>Parameter Exceedances</u>		
<ul style="list-style-type: none"> <li>Total dissolved solids standard (500 mg/L) was exceeded in detection well MW-27B at 1070 mg/L.</li> <li>Iron standard (0.3 mg/L) was exceeded in all six groundwater detection wells.</li> <li>Lead standard (15 µg/L) was exceeded in detection well MW-27B at 79.2 µg/L.</li> <li>Vanadium standard (49 µg/L) was exceeded in detection well MW-27B at 86.8 µg/L.</li> <li>pH in all the wells was below the range of 6.5 to 8.5.</li> </ul>		
<u>Notations</u>		
<ul style="list-style-type: none"> <li>The exceedances identified above are not unique to this initial sampling event. During past monitoring events, the existing wells (those besides MW-27A/B, MW-28AB, and MW-29A/B) have had exceedances of all the parameters identified above.</li> <li>Dissolved iron and dissolved lead was detected in detection well MW-27B at 6,670 mg/L and 30.3 µg/L, respectively.</li> <li>The laboratory had surrogate recovery issues for several of the Appendix II analytes.</li> <li>Professional Geologist Matthew Wissler certified the report.</li> <li>The following laboratories, all of which are certified under NELAP by the Florida Department of Health, performed analyses. <ul style="list-style-type: none"> <li>Pace Analytical Services, Inc.</li> <li>ALS Environmental</li> <li>ENCO Laboratories</li> </ul> </li> </ul>		
<b>Purging Completion</b>		
Dissolved oxygen ≤ 20% saturation? YES	Turbidity ≤ 20 NTUs? NO	
If no, ± 0.2 mg/L or readings are within 10%? --	If no, ± 5 NTUs or readings are within 10%? YES	
Temperature ± 0.2° C? YES	pH ± 0.2 standard units? YES	
Specific conductance ± 5% of reading? YES		
<b>Sampling and Analysis</b>		
Sampling dates: Aug. 18, 19	Last lab analysis date: 8/28/15	
All groundwater and surface water sampling points sampled? N/A	All analyses performed? NO (see list of parameters missing from analytical results at the end of this document)	
Trip blanks? YES	Field or equipment blanks? NO	
Lab certified under National Environmental Laboratory Accreditation Program? NO		
Unionized ammonia analysis? N/A	Phenols analysis? YES	
<b>Monitoring Plan Implementation Schedule Reporting Requirements</b>		
Revision Date: N/A	Effective Date: 7/16/15	Permit: SO49-0199726-022
Lab and field EDD files named correctly (89544_201508_swldd.txt & 89544_201508_swfdd.txt)? YES		
File(s) indicate successful data export? YES		

List of Parameters Missing from ADaPT EDD Laboratory File	
Common Names from 40 CFR 258, Appendix II	CAS #
Disulfoton	298-04-4
Dimethoate	60-51-5
Dinoseb; DNBP; 2-sec-Butyl-4,6-dinitrophenol	88-85-7
Famphur	52-85-7
Methyl parathion	298-00-0
N-Nitrosodipropylamine; N-Nitroso-N-dipropylamine; Di-n-propylnitrosamine	621-64-7
m-Dinitrobenzene	99-65-0
Parathion	56-38-2
Phorate	298-02-2
2,4,5-TP (Silvex)	93-72-1
2,4,5-T; 2,4,5-Trichlorophenoxyacetic acid	93-76-5