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Dept. of Environmental
Protection
JAN 12 2009
Southwest District

**ENTERPRISE CLASS III LANDFILL
AND RECYCLING FACILITY
SEMIANNUAL COMPLIANCE MONITORING REPORT**

SECOND SEMIANNUAL 2008

DEP PERMIT NO. 177982-008-SC

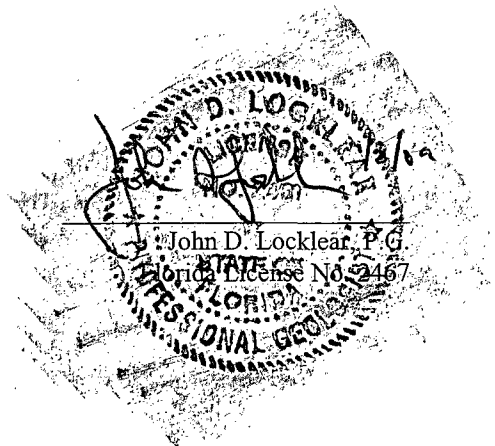
DEP Due Date: January 15, 2009

Prepared by:

**HDR ENGINEERING, INC.
4140 NW 37th Place, Suite A
Gainesville, Florida 32606**

11/09

January 2009



January 8, 2009

Mr. John Morris, P.G.

Florida Department of Environmental Protection – Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

RE: Compliance Monitoring Report – Second Semiannual 2008
Enterprise Class III Landfill and Recycling Facility
Permit No. 177982-008-SC and 177982-007-SO
Project Number: 0-79334

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JAN 12 2009
SOUTHWEST DISTRICT
TAMPA

Dear Mr. Morris:

This report presents data from the semiannual sampling event at the Enterprise Class III Landfill and Recycling Facility on October 27, 28, and November 25, 2008.

All groundwater wells, which require sampling, were sampled during this event for the parameters listed in Specific Condition 4.c. of the permit with the exception of MW-4 and MW-11 which had insufficient water for sampling and MW-1A, MW-3, MW-8, MW-9, MW-10, and MW-12A which were dry. A minor permit modification required the installation of MW-1A and the abandonment of MW-1 and P-2. These activities were performed on October 31, 2008. The well abandonment forms for MW-1 and P-2 as well as the well completion report for MW-1A are included in Attachment 6. Newly installed monitoring well MW-1A contained insufficient water for sampling. This is a surficial aquifer monitoring well and was installed based on geologic strata rather than availability of groundwater at the time of installation. Pond 1 was dry and not sampled. Quality Assurance/Quality Control samples were also collected.

Monitoring wells MW-3A, MW-4A, MW-8, MW-9, MW-10, MW-11, and MW-12A are surficial aquifer monitoring wells. Water levels within the surficial aquifer have declined in recent years and may not be laterally continuous in all areas. Each monitoring location with a dry surficial aquifer well has an existing Floridan aquifer well installed in a cluster. Groundwater samples were collected from each Floridan aquifer well as required by permit, therefore, the Floridan aquifer monitoring well represents the uppermost waterbearing unit.

The pH in MW-7BR was reported at 9.50 S.U. which is consistent with the previous results and with historical values from the nearby MW-7B (now abandoned and replaced with MW-7BR). Values of pH in MW-6 to the north and MW-8B to the south were 5.03 S.U. and 6.81 S.U., respectively. Values of pH over 9.0 S.U. are most commonly a result of the influence of grout used during well construction, and not a result of impacts from landfills (typically pH values are less than 6.0 S.U. when impacted by landfill leachate). It appears that groundwater in the vicinity of MW-7BR is still being influenced by the large amount of grout used during the construction of MW-7B (MW-7BR was installed approximately 23 feet south of MW-7B). It is important to note that no other parameters were reported at or above applicable standards in the MW-7BR groundwater sample. Grout influence on pH is generally very localized. Continued monitoring in MW-7BR is warranted.

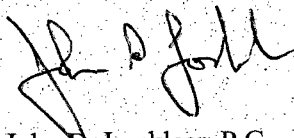
As discussed in the First Semiannual 2008 compliance monitoring report the protective cover of monitoring well MW-7A was damaged making sample collection impossible during the first semiannual event of 2008. The protective cover for MW-7A was repaired prior to this event and a sample was collected on November 25, 2008. The Turbidity was very high in MW-7A (161 NTU) but redevelopment was not possible due to insufficient water and extremely low recharge. As a result of the elevated Turbidity, levels of two metals (Mercury and Chromium) were reported at concentrations of 7 µg/L and 120 µg/L, respectively. Filtered Mercury and Chromium were also analyzed and reported much lower concentrations of 0.47 µg/L and <2.5 µg/L, respectively.

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Parameters reported at or outside groundwater standards are presented in Attachment 2.

If you have any questions regarding this report, please contact me at (352) 642-1105.

Sincerely,



John D. Locklear, P.G.
Senior Project Manager

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Xc: John Arnold, Angelo's Recycled Materials
Jeff Rogers, Angelo's Recycled Materials
Andy Alipour, Pasco County

Attachment 1: Groundwater Elevation Data and Groundwater Contour Map
Attachment 2: Analysis Results Compared to Groundwater Standards
Attachment 3: Groundwater Parameters At or Above the Laboratory Detection Limit
Attachment 4: Parameter Monitoring Report Forms
Attachment 5: Original Laboratory Data Including Chain-Of-Custody Forms
Attachment 6: Well Completion Report for MW-1A and Well Abandonment Forms for MW-1 and P-2



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Please return a copy of this
form with original lab report

Field Data Information Form

Project Name: Enterprise Class III LF
Project Number: 0-79334
Sampler: DAN LICHTENWALTER
Laboratory: ENCO-ORLANDO

Sampling Station	Date	Time	Temp (Deg C)	Conductivity (umhos/cm)	Turbidity (NTU)	pH (S.U.)	ORP (mV)	Dissolved Oxygen (mg/L)
MW-1A	10/27/08	0746	-NO	SAMPLE	---	---	---	---
MW-3A		0806	-NO	SAMPLE	---	---	---	---
MW-4A		0824	-NO	SAMPLE	---	---	---	---
MW-7A		0900	-NO	SAMPLE	---	---	---	---
MW-9		0927	-NO	SAMPLE	---	---	---	---
MW-10		0939	-NO	SAMPLE	---	---	---	---
MW-11		0946	-NO	SAMPLE	---	---	---	---
Pond		1035	-NO	SAMPLE	---	---	---	---
MW-3B		1147	24.27	340	0.27	7.24	93.6	2.29
MW-4B		1250	24.88	288	0.35	7.38	66.9	2.21
MW-7BR		1354	25.54	212	3.53	9.50	-44.4	0.69
MW-8B		1449	26.97	653	0.43	6.81	-128.3	0.15
EQB#1		1538	---	---	---	---	---	---
MW-11B		1642	24.64	207	1.32	6.64	71.6	5.20
MW-12B		1745	24.93	176	0.50	6.13	94.7	6.97
Supply Well TB#1		1838	23.70	305	0.11	7.23	52.8	3.44

Time Correct

Supply Well TB#1

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY