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JAM  
4/12/11  
GW \$ GAS

Dept. of Environmental  
Protection  
MAY 06 2011  
Southwest District

May 5, 2011

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

RE: Compliance Monitoring Report – First Semiannual 2011  
Enterprise Class III Landfill and Recycling Facility  
Permit No. 177982-008-SC and 177982-007-SO  
WACS No. 87895

Dear Mr. Morris:

This report presents data from the semiannual sampling event at the Enterprise Class III Landfill and Recycling Facility performed on March 14, 15, and 16, 2011.

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-1A, MW-3A, MW-4A, MW-6, MW-8, MW-9, MW-10, and MW-12A which contained insufficient water for sampling. The supply well was sampled for parameters listed in Specific Condition 4.c. of the permit however the Temporary Pond 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 of the other Floridan aquifer wells.

The Chromium and Nickel levels reported during this event in MW-11 are most likely due to the extremely low water level and high Turbidity in this well during sampling. Resample of the well is not possible due to the low water level. Monitoring well MW-11B, a Floridan aquifer well installed in cluster with MW-11, was also sampled during this event. The sample from MW-11B did not report any parameter concentrations outside groundwater standards with the exception of pH. The pH reported for the MW-11B sample is typical of Floridan aquifer quality in this area of the state. Parameters reported at or outside groundwater standards are presented in Attachment 2. All results, other than those for MW-11, are comparable to historical levels. We recommend continued semiannual monitoring as specified in the current permit.

If you have any questions regarding this report, please contact me at (813) 477-1719.

Sincerely,



John P. Arnold, P.E.  
Senior Project Manager

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

- Attachment 1: Groundwater Elevation Data, Well Construction Table, 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: Field Forms
- Attachment 5: ADaPT Files and Laboratory Reports including Chains-of-Custody

**IDEAL TECH SERVICES, INC.**  
**SURFACE WATER SAMPLING LOG Rev. 1.0**

SITE NAME: <b>Enterprise Class III Landfill, TEMPORARY POND</b>	SITE LOCATION: <b>Pasco County</b>	DATE: <b>03/14/11</b>
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GPS COORDINATES:	ARRIVED @ LOCATION:
ALTERNATE GPS COORDINATES:	REASON FOR COORDINATE DEVIATION:

SECCHI DISC VANISHING POINT:	SECCHI DISC REAPPEARANCE:	MEAN SECCHI VALUE:
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TOTAL DEPTH: \_\_\_\_\_

AMBIENT WEATHER CONDITIONS:

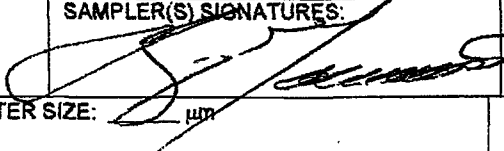
Temp. (°F): \_\_\_\_\_ Wind Speed/Direction (mph): \_\_\_\_\_

Surface Conditions: \_\_\_\_\_ Flow: \_\_\_\_\_

**FIELD MEASUREMENTS**

PARAMETERS	1' BELOW SURFACE TIME:	1' BELOW SURFACE TIME:	1' BELOW SURFACE TIME:
TEMP. (°C)			
COND. (µS/cm)			
DISSOLVED OXYGEN (mg/L)			
pH (standard units)			
TURBIDITY (NTUs)			

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco Ideal Tech Services, Inc.	SAMPLER(S) SIGNATURES: 	TIME SAMPLE COLLECTED: _____
FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	FILTER SIZE: <u>1µm</u>	DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	Field Filtered Y/N
# OF CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	RFPP	N
1	PE	250 mL	HNO <sub>3</sub>	None		Metals	PP	N
1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None		Ammonia (350.1)	PP	N
1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	PP	N
2	CG	40 mL	4° C	None	Not Req'd	8011	RFPP	N

REMARKS: feet = engineering scale      wind direction and speed estimated only, not measured      flow estimated, not measured

Pond is Dry

**MATERIAL CODES:** AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

**SAMPLING/PURGING EQUIPMENT CODES:** APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)