



# Florida Department of Environmental Protection

Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

**CERTIFIED MAIL**

7005 0390 0002 0084 4736

Mr. Bart D. Phillips  
419 Metal and Auto Recycling Center, Inc.  
600 Old Sanford Oviedo Road  
Winter Springs, FL 32708-2646

OCD-HW-C/E-07-107

Seminole County - HW  
419 Metal and Auto Recycling Center, Inc.  
Review of "Interim Source Removal Report"

Dear Mr. Phillips:

We have reviewed the above referenced document from your consultant, W. Z. Baumgartner & Associates, dated April 10, 2007 and received April 12, 2007. Following are our comments:


1. The level of unfiltered lead in MW-1 was 15 µg/l. This is at the Ground Water Standard of 15 µg/l. The previous level was 29 µg/l. The dissolved (filtered) lead was <2.3 µg/l.
2. The level of unfiltered arsenic in MW-1 was 14 µg/l. This exceeds the Ground Water Standard of 10 µg/l. The dissolved arsenic was 15 µg/l, also exceeding the standard.
3. The report did not include the filed sampling information. What was the turbidity measurement for the sample?
4. Because of the levels cited in Paragraphs 1 & 2, another water sample is required. The results of that sampling will determine the need for further action. In the report be sure to include the field parameters, especially the turbidity measurements showing that purging continued until turbidity did not decrease further.
5. Future sampling reports must include the attached Ground Water Sampling Log.

The resampling report must be submitted to the Department with 45 days of receipt of this letter.

The Department must have at least 10 days notice before the water sampling is conducted.

Please contact me at (407) 893-3328 or by e-mail at [Tom.Lubozynski@dep.state.fl.us](mailto:Tom.Lubozynski@dep.state.fl.us), if you have any questions concerning this letter.

Sincerely,

  
F. Thomas Lubozynski, P.E.  
Waste Program Administrator

Date: May 18, 2007

cc: Michael Tant, P.E., W. Z. Baumgartner & Associates, [metant1@aol.com](mailto:metant1@aol.com)

## GROUNDWATER SAMPLING LOG

SITE NAME:	SITE LOCATION:
WELL NO:	SAMPLE ID:      DATE:

### PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:      feet to      feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
<b>WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY</b> (only fill out if applicable)				
= (      feet -      feet) X      gallons/foot =      gallons				
<b>EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME</b> (only fill out if applicable)				
=      gallons + (      gallons/foot X      feet) +      gallons =      gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:
				PURGING ENDED AT:
				TOTAL VOLUME PURGED (gallons):
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)
				pH (standard units)
				TEMP. (°C)
				COND. (μmhos/c m or μS/cm)
				DISSOLVED OXYGEN (circle mg/L or % saturation)
				TURBIDITY (NTUs)
				COLOR (describe)
				ODOR (describe)
<b>WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88</b>				
<b>TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016</b>				

### SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:			SAMPLER(S) SIGNATURES:			SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):			SAMPLE PUMP FLOW RATE (mL per minute):			TUBING MATERIAL CODE:				
FIELD DECONTAMINATION:    Y    N			FIELD-FILTERED:    Y    N      FILTER SIZE:      μm			DUPLICATE:      Y      N				
Filtration Equipment Type: _____										
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
REMARKS:										
MATERIAL CODES: <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>PE</b> = Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicone; <b>T</b> = Teflon; <b>O</b> = Other (Specify)										
SAMPLING/PURGING <b>APP</b> = After Peristaltic Pump; <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump										
EQUIPMENT CODES: <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>VT</b> = Vacuum Trap; <b>O</b> = Other (Specify)										

**NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.**  
**2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**  
**pH: ± 0.2 units    Temperature: ± 0.2 °C    Specific Conductance: ± 5%    Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2);**  
**optionally, ± 0.2 mg/L or ± 10% (whichever is greater)    Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)**