

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 7006 0810 0000 0865 7970

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-07-185

Seminole County - HW 419 Metal and Auto Recycling Center, Inc. FLR000026625 OGC 05-0188 Review of "Interim Source Removal Report"

Dear Mr. Phillips:

We have reviewed the above referenced document from your consultant, W. Z. Baumgartner & Associates, dated August 6, 2007 and received August 10, 2007. Following are our comments:

- 1. Ground water sampling was to be done for lead and arsenic. Lead results were not submitted.
- 2. Arsenic results were submitted, but the turbidity was >500 NTUs. Field measured turbidity for a properly designed, constructed, and developed well should not exceed 20 Nephelometric Turbidity Units (NTUs) during ground water sampling. If turbidity values are high the monitoring well may have to be abandoned and a new properly designed well will need to be installed.
- 3. Because of the issues cited in Paragraphs 1 & 2, another water sample is required to be taken and sampled for lead and arsenic. The results of that sampling will determine the need for further
- 4. 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 by e-mail at marjorie.heidorn@dep.state.fl.us or phone at (407) 893-3320 with questions.

Sincerely,

Marjorie Heidorn, P.G.

SW/HW Technical Support

Date: October 17, 2007

M. A. Hard

Enclosure: Ground Water Sampling Log

CC:

Michael Tant, P.E., W. Z. Baumgartner & Associates, metant1@comcast.net

GROUNDWATER SAMPLING LOG

SITE NAME:	SITE SITE LOCATION:														
WELL NO:					SAMPLE ID:						DATE:				
PURGING DATA															
WELL DIAMETER (inc		WELL SCREEN INTERVAL STATIC DEPTH DEPTH: feet to feet TO WATER (feet):						PURGE PUMP TYPE , OR BAILER:							
DIAMETER (inches): DEPTH: feet to feet TO WATER (feet): OR BAILER: WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY AND REPORT OF THE PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY															
only fill out if applicable) = (feet – feet) X gallons/foot = gallons															
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME															
(only fill out if ap	oplicable)			=	ga	illons + (s + (gallons/foot X				feet) + gallons = g			gallons	
INITIAL PUMP OR TUBING FINAL PUMP DEPTH IN WELL (feet): DEPTH IN W							PURGING INITIATED AT:		PURGING ENDED AT:		TOTAL VOLUME PURGED (gallons):				
· · · · · · · · · · · · · · · · · · ·	```	CUMUL.	<u>'</u>		DEPTH nu			COND.		DISSOLVED					
TIME P	OLUME PURGED (gallons)	VOLUME PURGED (gallons)	PURG RATE (gpm)	:	TO WATER (feet)	(standard units)	d (°C)	μmho m o μS/cn	r	OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)		OLOR escribe)	ODOR (describe)	
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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 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															
TUBING INSIDE	E DIA. CAPA	CITY (Gal./Ft	.): 1/8" =	0.000	70; 3/1 0		PLING DA		/16" =	0.004; 3/8	= 0.006; 1/2"	' = 0.01	U; 5/8	' = 0.016	
SAMPLED BY (PRINT) / AFI	FILIATION:	ł	SAN	IPLER(S) S		_	****		CAMBUNG		C 44	IDI INIC		
										SAMPLING INITIATED AT:			SAMPLING ENDED AT:		
										TUBING MATERIAL CODE:					
•	ELD-FILTERED: Y N FILTER SIZE: µm						DUPLICATE: Y N								
SAMPLE CONTAINER															
	SPECIFI	CATION				SA	MPLE PRESE	RVATION	N		INTENDED			MPLING_	
SAMPLE ID CONTAI CODE RS		MATERI E AL CODE	VOLUME		PRESERVATIVE USED AD			TOTAL VOL DED IN FIELD (mL)		FINAL pH	ANALYSIS ANI METHOD		EQUIPMENT CODE		
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REMARKS:					-										
															
MATERIAL COI		AG = Amber	-		Clear Glass:		Polyethylene;					eflon;		er (Specify)	
SAMPLING/PUI EQUIPMENT CO	ODES: , R	PP = After Pe FPP = Revers	e Flow Per	ristalt		SM = S	BP = Bladder Pu traw Method (T	ubing Gr	ravity [Orain); VT	mersible Pump; = Vacuum Trap;		= Peristal = Other (

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)