



HERST & ASSOCIATES, INC.®

**Global Presence
Personal Attention**

Mr. Paul Crissman, Chief
Solid Waste Section, Division of Waste Management
North Carolina Department of Environment & Natural Resources
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

February 6, 2009

Dear Mr. Crissman:



**Notification of Appendix II Detections
Charlotte Motor Speedway, Landfill V, Permit 13-04**

On behalf of the Charlotte Motor Speedway, Landfill V, Herst & Associates, Inc. is submitting notification of Appendix II constituents detected in site groundwater monitoring wells during the Second Semi-Annual 2008 sampling event. This notification is in accordance with NCDENR Requirements for Municipal Solid Waste Landfill Facilities Section .1634(d), which states the following:

"After obtaining the results from the initial or subsequent sampling events required in Paragraph (b) of this Rule, the owner or operator shall: (1) Within 14 days, submit a report to the Division and place a notice in the operating record identifying the Appendix II constituents that have been detected;"

Groundwater samples were collected by Prism Laboratories, Inc. in December 2008. Analytical testing was performed by Analytical Services, Inc. for the assessment monitoring wells (MW-12, MW-14, MW-18A, MW-19, MW-19A, and MW-20B). Results were received by Herst & Associates, Inc. on January 26, 2009. The attached table summarizes the Appendix II constituents that were detected in assessment monitoring wells during the Second Semi-Annual 2008 event. Consistent with past events, the inorganic and organic detections are also on the Appendix I Detection Monitoring list, with the exception of mercury and tin.

The full groundwater report and statistical evaluation will be submitted per Sections .1632 and .1633.

Should you have any questions or concerns, please contact the undersigned at your convenience.

Sincerely,

HERST & ASSOCIATES, INC.

Ward E. Herst, LG
Managing Director

Steve Jett, LG
Senior Hydrogeologist

Attachment: Appendix II Detections Summary Table

cc: Mike Gurley, Republic Services

4630 South Highway 94 – North Outer Road
St. Charles, Missouri 63304

Telephone (636) 939-9111
Fax (636) 939-9757

Appendix II Detections
 Second Semi-Annual 2008 Sampling Event
 Charlotte Motor Speedway, Landfill V

Well	Constituent	Results	Flags	Units	Well	Constituent	Results	Flags	Units
MW-12	Barium, Total	14.7	J	ug/L	MW-19A ↑ from previous event	1,4-Dichlorobenzene	3.4		ug/L
	Cadmium, Total	0.01	J	ug/L		Arsenic, Total	5.57	J	ug/L
	Chromium, Total	2.25	J B	ug/L		Barium, Total	599		ug/L
	Cobalt, Total	11.9		ug/L		Benzene	2.6		ug/L
	Copper, Total	1.02	J B	ug/L		Cadmium, Total	0.01	J	ug/L
	Lead, Total	0.02	J	ug/L		Cobalt, Total	7.33	J	ug/L
	Nickel, Total	4.38	J	ug/L		Copper, Total	2.11	J B	ug/L
	Tin, Total	0.05	J	ug/L		Lead, Total	0.33	J	ug/L
	Vanadium, Total	2.62	J B	ug/L		Nickel, Total	43.7	J	ug/L
	Zinc, Total	1.7	J B	ug/L		Selenium, Total	15		ug/L
MW-14	Barium, Total	8.4	J	ug/L	Silver, Total	0.02	J	ug/L	
	Cadmium, Total	0.01	J	ug/L	Thallium, Total	0.13	J	ug/L	
	Chromium, Total	1.23	J B	ug/L	Tin, Total	0.75	J	ug/L	
	Cobalt, Total	0.27	J	ug/L	Zinc, Total	12000	B	ug/L	
	Copper, Total	2.46	J B	ug/L	MW-20B	1,1-Dichloroethane	3.1	J	ug/L
	Lead, Total	0.03	J	ug/L		Barium, Total	203		ug/L
	Nickel, Total	19.6	J	ug/L		Cadmium, Total	0.14	J	ug/L
	Silver, Total	0.02	J	ug/L		Chromium, Total	0.43	J B	ug/L
	Vanadium, Total	2.75	J B	ug/L		cis-1,2-Dichloroethylene	1.8	J	ug/L
	Zinc, Total	6.1	J B	ug/L		Cobalt, Total	0.48	J	ug/L
1,1-Dichloroethane	1	J	ug/L	Copper, Total		0.86	J B	ug/L	
1,4-Dichlorobenzene	0.6	J	ug/L	Lead, Total		0.03	J	ug/L	
Arsenic, Total	2.56	J	ug/L	Nickel, Total		5.43	J	ug/L	
Barium, Total	661		ug/L	Selenium, Total		1.29	J	ug/L	
Benzene	0.8	J	ug/L	Trichloroethylene	0.2	J	ug/L		
Cadmium, Total	0.7	J	ug/L	Zinc, Total	8.73	J B	ug/L		
Chromium, Total	1.6	J B	ug/L						
MW-18A	cis-1,2-Dichloroethylene	1.8	J	ug/L					
	Cobalt, Total	14.8		ug/L					
	Copper, Total	2.25	J B	ug/L					
	Lead, Total	0.09	J	ug/L					
	Mercury	0.343		ug/L					
	Nickel, Total	8.61	J	ug/L					
	Selenium, Total	10.1		ug/L					
	Silver, Total	0.05	J	ug/L					
	Tin, Total	0.27	J	ug/L					
	Trichloroethylene	0.3	J	ug/L					
MW-19 ↑ from previous event	Zinc, Total	59.4	B	ug/L					
	1,1-Dichloroethane	1.6	J	ug/L					
	1,4-Dichlorobenzene	1.9		ug/L					
	Arsenic, Total	1.4	J	ug/L					
	Barium, Total	366		ug/L					
	Benzene	1.2		ug/L					
	Cadmium, Total	0.04	J	ug/L					
	cis-1,2-Dichloroethylene	1.2	J	ug/L					
	Cobalt, Total	1.47	J	ug/L					
	Copper, Total	1.37	J B	ug/L					
Nickel, Total	50.8		ug/L						
Selenium, Total	9.73	J	ug/L						
Tin, Total	0.26	J	ug/L						
Trichloroethylene	0.2	J	ug/L						
Zinc, Total	1.91	J B	ug/L						

B: Denotes detected in laboratory blank.

J: Denotes sample result above the MDL but below the SWSL; estimated value; value may not be accurate.