



HERST & ASSOCIATES, INC.®

**Global Presence  
Personal Attention**

Ms. Jaclynne Drummond  
North Carolina Department of Environment and Natural Resources  
Division of Waste Management - Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646



July 24, 2009

Dear Ms. Drummond:

**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 First Semi-Annual 2009 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 June 2009. 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 July 14, 2009. The attached table summarizes the Appendix II constituents that were detected in assessment monitoring wells during the First Semi-Annual 2009 event.

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, Inc.*

**Appendix II Detections**  
**First Semi-Annual 2009 Sampling Event**  
**Charlotte Motor Speedway, Landfill V**

Well	Constituent	Results	Flags	Units	Well	Constituent	Results	Flags	Units
MW-12	Antimony, Total	0.48	J B	ug/L	2.5	1,1-Dichloroethane	2	J	ug/L
	Barium, Total	15.7	J	ug/L		1,4-Dichlorobenzene	4.6		ug/L
	Chromium, Total	3.56	J B	ug/L		Acetone	4	J	ug/L
	Cobalt, Total	13.1		ug/L		Barium, Total	622		ug/L
	Nickel, Total	4.2	J	ug/L		Benzene	3.3		ug/L
	Zinc, Total	4.66	J B	ug/L		bis(2-Ethylhexyl)phthalate	7	J	ug/L
MW-14	Antimony, Total	2.68	J B	ug/L		Cadmium, Total	0.22	J	ug/L
	Barium, Total	7.86	J	ug/L		cis-1,2-Dichloroethylene	1.4	J	ug/L
	Cobalt, Total	0.16	J	ug/L		Cobalt, Total	4.29	J	ug/L
	Nickel, Total	18.1	J	ug/L		Copper, Total	2.32	J	ug/L
	Tetrachloroethylene	0.6	J	ug/L		Dichlorodifluoromethane	1	J	ug/L
	Toluene	0.3	J B	ug/L		Methylene chloride	0.4	J	ug/L
Zinc, Total	8.32	J B	ug/L	Nickel, Total		106		ug/L	
0.019	1,1-Dichloroethane	0.8	J	ug/L		Selenium, Total	9.14	J	ug/L
	1,3-Dichlorobenzene	0.8	J	ug/L		Tin, Total	0.68	J	ug/L
	1,4-Dichlorobenzene	0.8	J	ug/L		Trichloroethylene	0.3	J	ug/L
	2,2-Dichloropropane	7.2	J	ug/L		Xylenes (Total)	0.7	J	ug/L
	2-Hexanone	7	J	ug/L		Zinc, Total	4.93	J B	ug/L
	Acetone	2.9	J	ug/L		1,1-Dichloroethane	0.7	J	ug/L
	Arsenic, Total	2.22	J	ug/L	1,4-Dichlorobenzene	7.7		ug/L	
	Barium, Total	926		ug/L	Acetone	7.9	J	ug/L	
	Benzene	2		ug/L	Antimony, Total	0.23	J B	ug/L	
	beta-BHC	0.1		ug/L	Arsenic, Total	3.94	J	ug/L	
	Cadmium, Total	0.35	J	ug/L	Barium, Total	840		ug/L	
	Carbon tetrachloride	2.7		ug/L	Benzene	6.1		ug/L	
	Chlorobenzene	2.2	J	ug/L	bis(2-Ethylhexyl)phthalate	7	J	ug/L	
	Chromium, Total	2.13	J B	ug/L	Chlorobenzene	4.8		ug/L	
	cis-1,2-Dichloroethylene	1.3	J	ug/L	Chloroethane	2.6	J	ug/L	
	Cobalt, Total	79.2		ug/L	Cobalt, Total	19.7		ug/L	
	Copper, Total	2.19	J	ug/L	Copper, Total	5.28	J	ug/L	
	Dichlorodifluoromethane	0.3	J	ug/L	Dichlorodifluoromethane	0.3	J	ug/L	
	Ethyl methacrylate	7.6	J	ug/L	Lead, Total	0.33	J	ug/L	
	Ethylbenzene	0.5	J	ug/L	Methylene chloride	0.4	J	ug/L	
Methyl methacrylate	4.9	J	ug/L	Nickel, Total	107		ug/L		
Methyl-iso-butyl ketone	11	J	ug/L	Selenium, Total	14.1		ug/L		
Nickel, Total	7.7	J	ug/L	Thallium, Total	0.17	J	ug/L		
Selenium, Total	6.99	J	ug/L	Tin, Total	1.8	J	ug/L		
Silver, Total	0.79	J	ug/L	Toluene	0.4	J B	ug/L		
Styrene	2.7		ug/L	Xylenes (Total)	1.3	J	ug/L		
Tin, Total	0.56	J	ug/L	Zinc, Total	5090		ug/L		
Toluene	0.3	J B	ug/L	1,1-Dichloroethane	3.1	J	ug/L		
trans-1,3-Dichloropropylene	4.4		ug/L	Barium, Total	213		ug/L		
trans-1,4-Dichloro-2-butene	15	J	ug/L	Cadmium, Total	0.19	J	ug/L		
Trichloroethylene	0.3	J	ug/L	Chromium, Total	0.74	J B	ug/L		
Vinyl acetate	0.4	J	ug/L	cis-1,2-Dichloroethylene	1.4	J	ug/L		
Xylenes (Total)	2.6	J	ug/L	Cobalt, Total	0.23	J	ug/L		
Zinc, Total	73.1		ug/L	Nickel, Total	6.41	J	ug/L		
				Tetrachloroethylene	0.3	J	ug/L		
				Trichloroethylene	0.3	J	ug/L		
				Zinc, Total	11.7		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.