



HERST & ASSOCIATES, INC.®

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Personal Attention**

Submitted via Electronic Mail

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

November 15, 2011

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 Second Semi-Annual 2011 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 October 2011. Analytical testing was performed by Analytical Services, Inc. for the assessment monitoring wells (MW-18A, MW-19, MW-19A, MW-20B, and MW-25). Results were received by Herst & Associates, Inc. on November 9, 2011. The attached Table 1 summarizes the Appendix II constituents that were detected above the solid waste section limit (SWSL) in assessment monitoring wells during the Second Semi-Annual 2011 event. The attached Table 2 summarizes the Appendix II constituents that were reported at estimated values between the method detection limit (MDL) and the SWSL. The inorganic and organic constituents are also on the Appendix I Detection Monitoring list, with the exception of total mercury and estimated values of dichlorodifluoromethane and total tin. The detections above the SWSLs appear to be consistent with past events.

Any analyte detected at a concentration greater than the MDL but less than the SWSL is believed to be present, but the uncertainty in the value is high (i.e. laboratory interferences). As a result, the actual concentration is estimated. 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
Managing Partner



Steve Jett
Senior Hydrogeologist

*Attachment: Table 1 - Appendix II Detections Above the SWSL
Table 2 - Appendix II Estimated Results Below the SWSL*

cc: Mike Gurley, Republic Services, Inc. (via electronic mail)

Table 1 - Appendix II Detections Above the SWSL Second Semi-Annual 2011 Sampling Event Charlotte Motor Speedway, Landfill V			
Well	Constituent	Results	Units
MW-18A	Total Barium	367	ug/L
	Total Zinc	47.5	ug/L
MW-19	Total Barium	215	ug/L
	Total Mercury	0.333	ug/L
MW-19A	Total Zinc	214	ug/L
MW-20B	1,1-Dichloroethane	5.3	ug/L
	Total Barium	582	ug/L
	Total Cadmium	1.41	ug/L
	Total Zinc	31.3	ug/L
MW-25	1,4-Dichlorobenzene	9	ug/L
	cis-1,2-Dichloroethene	9.6	ug/L
	Total Barium	108	ug/L
	Total Cobalt	14.7	ug/L
	Vinyl Chloride	1.6	ug/L

SWSL: Solid Waste Section Limit

**Table 2 - Appendix II Estimated Results Below the SWSL
Second Semi-Annual 2011 Sampling Event
Charlotte Motor Speedway, Landfill V**

Well	Constituent	Flag	Results	Units	Well	Constituent	Flag	Results	Units
MW-18A	1,1-Dichloroethane	J	1.2	ug/L	MW-19A	Methyl Ethyl Ketone (2-Butanone)	J	2.2	ug/L
	Benzene	J	0.4	ug/L		Total Antimony	J	0.22	ug/L
	cis-1,2-Dichloroethene	J	2.6	ug/L		Total Barium	J	69.7	ug/L
	Total Cadmium	J	0.21	ug/L		Total Cobalt	J	0.49	ug/L
	Total Chromium	J	3.16	ug/L		Total Copper	J	0.76	ug/L
	Total Cobalt	J	6.89	ug/L		Total Nickel	J	3.08	ug/L
	Total Copper	J	5.27	ug/L		Total Thallium	J	0.15	ug/L
	Total Mercury	B J	0.03	ug/L		MW-20B	1,4-Dichlorobenzene	J	0.7
	Total Nickel	J	22.1	ug/L	Benzene		J	0.5	ug/L
	Total Selenium	J	3.14	ug/L	Chloroethane		J	0.7	ug/L
	Trichloroethene	J	0.4	ug/L	cis-1,2-Dichloroethene		J	3.3	ug/L
Vinyl Chloride	J	0.3	ug/L	Total Cobalt	J		2.58	ug/L	
MW-19	1,1-Dichloroethane	J	0.3	ug/L	Total Copper		J	1.4	ug/L
	cis-1,2-Dichloroethene	J	0.7	ug/L	Total Mercury		B J	0.05	ug/L
	Total Chromium	J	0.69	ug/L	Total Nickel	J	35.9	ug/L	
	Total Cobalt	J	0.47	ug/L	Total Selenium	J	0.84	ug/L	
	Total Copper	J	0.94	ug/L	Vinyl Chloride	J	0.4	ug/L	
	Total Nickel	J	25.8	ug/L	MW-25	1,1-Dichloroethane	J	1.7	ug/L
Total Selenium	J	2.27	ug/L	1,2-Dichloroethane		J	0.6	ug/L	
				Benzene		J	0.6	ug/L	
				Chlorobenzene		J	0.9	ug/L	
				Total Antimony		J	1.08	ug/L	
				Total Cadmium		J	0.18	ug/L	
				Total Copper		J	1.13	ug/L	
				Total Mercury		B J	0.056	ug/L	
				Total Nickel		J	18.8	ug/L	
				Total Thallium		J	0.13	ug/L	
				Total Zinc	B J	5.47	ug/L		

B: Denotes detected in a field blank, equipment blank, or laboratory method blank.

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

SWSL: Solid Waste Section Limit