HERST & ASSOCIATES, INC.®

Global Presence
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

May 19, 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 First 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 April 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 May 10, 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 First 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 estimated values of total mercury 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 known 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.

4631 North St. Peters Parkway
St. Charles, Missouri 63304

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

Sincerely,

HERST & ASSOCIATES, INC.

Dana Sincox

for 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 First Semi-Annual 2011 Sampling Event Charlotte Motor Speedway, Landfill V			
Well	**Constituent**	**Results**	**Units**
MW-18A	Total Barium	508	ug/L
	Total Zinc	26.9	ug/L
MW-19	Total Barium	193	ug/L
MW-19A	Total Zinc	197	ug/L
MW-20B	1,4-Dichlorobenzene	1	ug/L
	Total Barium	653	ug/L
	Total Cadmium	1.66	ug/L
	Total Zinc	33.2	ug/L
MW-25	1,4-Dichlorobenzene	6.8	ug/L
	cis-1,2-Dichloroethene	12	ug/L
	Total Barium	104	ug/L
	Total Cobalt	10.5	ug/L
	Vinyl Chloride	1.4	ug/L

SWSL: Solid Waste Section Limit

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

Well	Constituent	Flag	Results	Units
MW-18A	1,1-Dichloroethane	J	1.2	ug/L
	Benzene	J	0.3	ug/L
	cis-1,2-Dichloroethene	J	2.4	ug/L
	Methyl Ethyl Ketone (2-Butanone)	J	5	ug/L
	Total Cadmium	J	0.47	ug/L
	Total Chromium	J	3.42	ug/L
	Total Cobalt	J	3.41	ug/L
	Total Copper	J	2.92	ug/L
	Total Mercury	J	0.037	ug/L
	Total Nickel	J	7.9	ug/L
	Total Selenium	B J	5.74	ug/L
	Total Silver	J	0.07	ug/L
	Total Thallium	B J	0.03	ug/L
	Total Tin	B J	0.23	ug/L
	Trichloroethene	J	0.4	ug/L
MW-19	cis-1,2-Dichloroethene	J	0.6	ug/L
	Total Cadmium	J	0.02	ug/L
	Total Chromium	J	1.3	ug/L
	Total Cobalt	J	0.41	ug/L
	Total Copper	J	0.83	ug/L
	Total Mercury	J	0.181	ug/L
	Total Nickel	J	23.5	ug/L
	Total Selenium	B J	2.73	ug/L
	Total Thallium	B J	0.05	ug/L
	Total Tin	B J	0.04	ug/L
	Total Vanadium	J	1.94	ug/L

Well	Constituent	Flag	Results	Units
MW-19A	Total Antimony	J	0.32	ug/L
	Total Barium	J	62.9	ug/L
	Total Cobalt	J	0.54	ug/L
	Total Copper	J	0.72	ug/L
	Total Nickel	J	3	ug/L
	Total Selenium	B J	1.1	ug/L
	Total Thallium	B J	0.19	ug/L
	Total Tin	B J	0.07	ug/L
MW-20B	1,1-Dichloroethane	J	5	ug/L
	Benzene	J	0.9	ug/L
	cis-1,2-Dichloroethene	J	3.7	ug/L
	Total Chromium	J	1.71	ug/L
	Total Cobalt	J	3.01	ug/L
	Total Copper	J	1.59	ug/L
	Total Lead	J	0.16	ug/L
	Total Nickel	J	40.8	ug/L
	Total Selenium	B J	1.97	ug/L
	Total Thallium	B J	0.1	ug/L
	Total Tin	B J	0.03	ug/L
	Vinyl Chloride	J	0.5	ug/L
MW-25	1,1-Dichloroethane	J	2	ug/L
	1,2-Dichloroethane	J	0.7	ug/L
	Benzene	J	0.7	ug/L
	Chlorobenzene	J	0.8	ug/L
	Methyl Ethyl Ketone (2-Butanone)	J	8.4	ug/L
	Total Cadmium	J	0.15	ug/L
	Total Chromium	J	0.5	ug/L
	Total Copper	J	1.18	ug/L
	Total Nickel	J	18.2	ug/L
	Total Selenium	B J	2.25	ug/L
	Total Vanadium	J	2.13	ug/L
	Total Zinc	B J	3.71	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