

Updates/Revisions to the Expert Report of John Seymour, P.E.

Table 5-1: Attached Table 5-1 has been updated to include Andrews Environmental Engineering sample of May 2004 at Powerton (MWG13-15_11351).

Section 5.3.2: Powerton Secondary Ash Settling Basin (and Figure 5-5) in §5.3.2.2 is updated to add existing geotextile layers above and below the underdrain system (MWG13-15_34170) and delete reference to the warning/cushion layers. Will County ponds 2S and 3S (and Figures 5-10, 11) in §5.3.2.4 is revised to "Existing Poz-o-Pac liner system – 24+ inches thick."

Section 6.5.4: references to Figures in text should correspond with the Figure numbers on the attached Figures for each site discussed.

Footnotes 111, 123 the citations for Will County Pond 3S are revised to: MWG13-15_8233-8235, MWG13-15_8236-8255 and MWG13-15_29023-29081, 34268-34433. All other existing Footnote citations are retained. Footnote 113 reference to MWG13-15_49296-49298 should be MWG13-15_49293-49298. Footnotes 139 and 168 reference to MWG13-15_29975-29776 should be MWG13-15_29975-29976.



Table 5-1
Summary of Neutral Leachate Extraction Test (NLET) Analyses of Bottom Ash at
MWG Generating Stations

Analytical Results for Leachate Analyses Performed on Settled Coal Combustion Residuals as Reported in MWG Documents					
Generating Station:	Powerton		Waukegan		Will County
Sample Date:	May 2004	March 2007	July 2004	July 2004	December 2010
Sample ID:	BA-01	Powerton Bottom Ash	Bottom Ash-1	Bottom Ash-2	3 South Bottom Ash
Methods 6010B/6020/7041A/7470A/7841 (mg/L)					
Antimony	<0.003	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic	<0.01	<0.050	<0.050	<0.050	<0.050
Barium	0.39	0.27	0.19	0.12	<0.50
Beryllium	<0.004	<0.0040	<0.004	<0.004	<0.0040
Boron	0.087	<0.10	1.1	2	1.3
Cadmium	<0.002	<0.0050	<0.005	<0.005	<0.0050
Chromium	<0.01	<0.025	<0.050	<0.050	<0.025
Cobalt	<0.005	<0.025	<0.050	<0.050	<0.025
Copper	<0.01	<0.025	<0.050	<0.050	<0.025
Iron	<0.05	<0.10	<0.10	<0.10	<0.10
Lead	<0.005	<0.0075	<0.0075	<0.0075	<0.0075
Manganese	<0.01	<0.025	<0.050	<0.050	<0.025
Mercury	<0.0002	<0.0020	<0.0020	<0.0020	<0.0020
Nickel	<0.01	<0.025	<0.050	<0.050	<0.050
Selenium	<0.01	<0.050	NA	NA	<0.050
Silver	<0.005	<0.025	<0.050	<0.050	<0.025
Thallium	<0.002	<0.0020	<0.0020	<0.0020	<0.0020
Zinc	0.044	<0.10	<0.10	<0.10	<0.10
Methods 8260B and 8270C					
VOCs and SVOCs	NA	NA	NA	NA	NA
Methods 8081A and 8151A					
Pesticides	NA	NA	NA	NA	NA
Method 9056 (mg/L)					
Sulfate	NA	NA	NA	NA	49
SM 2540C (mg/L)					
Total dissolved solids	NA	NA	NA	NA	200
Sources	MWG13-15_11356	MWG13-15_10951	MWG13-15_12814	MWG13-15_12815	MWG13-15_14712-13

Abbreviations:

- "mg/L" = milligrams per liter
- "NA" = not analyzed by the laboratory
- "<" = less than the indicated analytical detection limit
- "MWG" = Midwest Generation
- "NLET" = Neutral Leaching Extraction Test (ASTM D3987-85)