

Notification of Statistically Significant Levels above Groundwater
Protection Standards

August 2025 Groundwater Sampling Event

Dallman and Lakeside Coal Combustion Residuals Surface
Impoundments

City Water, Light and Power (CWLP)
Springfield, Illinois



Prepared by:

Environmental, Health & Safety, CWLP

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Notification of Statistically Significant Levels Above Groundwater Protection Standards – August 2025 Groundwater Sampling Event

Pursuant to 40 CFR 257.95(g) and Paragraph 268 of the January 14, 2025 Consent Agreement and Final Order, provided herein is notification of Statistically Significant Levels (SSLs) identified from the August 2025 groundwater sampling event at the Dallman and Lakeside Coal Combustion Residuals Surface Impoundments.

The August 2025 groundwater sampling event was completed on August 13, 2025. Laboratory analysis of the groundwater samples was completed on October 9, 2025. A statistical comparison to the analytical results to the Groundwater Protection Standards was completed on October 15, 2025. In accordance with the established groundwater monitoring program for the facility, confirmation sampling may be conducted within 90 days of the observation of an SSL. Confirmation sampling was completed on November 13, 2025. Laboratory analysis of the confirmation samples was completed on January 14, 2026. Statistical comparison of the confirmation samples was completed on January 15, 2026.

The following Appendix IV constituents were confirmed SSLs from the August 2025 groundwater sampling event:

						Resample	Confirmed
Well #	Parameter	Units	GWPS	8/12/2025	11/13/2025		SSL
RW3	Arsenic	mg/L	0.0239	0.103	0.108		Yes
AP2	Cobalt	mg/L	0.006	0.0127	0.0078		Yes
AP3	Cobalt	mg/L	0.006	0.0076	<0.005		No
AP4	Arsenic	mg/L	0.0239	0.0248	0.0219		No
AP4	Cobalt	mg/L	0.006	0.0075	0.0067		Yes
AP7	Arsenic	mg/L	0.0239	0.0289	0.0182		No
AP8	Arsenic	mg/L	0.0239	0.0389	0.0372		Yes

A Revised Nature and Extent Report and Assessment of Corrective Measures for the identified SSLs was prepared on September 23, 2025.