

Notification of Statistically Significant Levels above Groundwater
Protection Standards

August 2024 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 2024 Groundwater Sampling Event

Pursuant to 40 CFR 257.95(g), if one or more constituents in appendix IV to this part are detected at statistically significant levels above the groundwater protection standard established under paragraph (h) of this section in any sampling event, the owner or operator must prepare a notification identifying the constituents in appendix IV to this part that have exceeded the groundwater protection standard. The owner or operator has completed the notification when the notification is placed in the facility's operating record as required by § 257.105(h) (8).

The August 2024 groundwater sampling event was conducted between August 12 and 13, 2024. Laboratory analysis of the groundwater samples was completed on September 24, 2024. A statistical comparison to the analytical results to the Groundwater Protection Standards was completed on October 15, 2024. In accordance with the established groundwater monitoring program for the facility, confirmation sampling may be conducted within 90 days of the observation of a Statistically Significant Increase or Statistically Significant Level. This aids in preventing false positives and prematurely implementing an assessment monitoring program, assessment of corrective measures or alternate source demonstration.

Confirmation sampling was completed between November 11 and 13, 2024. Laboratory analysis of the confirmation samples was completed on December 6, 2024. Statistical comparison of the confirmation samples was completed on January 15, 2025.

The following Appendix IV constituent was confirmed at statistically significant levels above the applicable groundwater protection standards during the August 2024 assessment monitoring completed at City Water, Light and Power's Dallman and Lakeside coal combustion residual surface impoundments:

- Arsenic
- Cobalt