

Notice of Initiation of Nature and Extent Investigation

Dallman and Lakeside Coal Combustion Residuals  
Surface Impoundments

March 6, 2025

City Water, Light and Power  
Springfield, Illinois



Prepared by:

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## Notification of Initiation of Nature and Extent Investigation

Pursuant to paragraph 268 of the Consent Agreement and Final Order (CAFO) effective January 14, 2025, provided herein is notice of the initiation of a nature and extent investigation for the Appendix IV constituents identified as exhibiting Statistically Significant Levels (SSLs) identified in the February 13, 2025 Groundwater Protection Standards Report (GWPS Report).

The Appendix IV constituents exhibiting SSLs identified in the GWPS Report are identified in the table below:

| Well | Appendix IV | Units | MCL   | Background | GWPS   | 2/16/22       | 5/31/22       | 8/23/22       | 11/8/22       | 1/26/23       | 4/11/23       | 7/6/23        | 10/25/23      | 2/21/24       | 5/9/24        | 8/12/24       | 11/11/24      |
|------|-------------|-------|-------|------------|--------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| RW-3 | Arsenic     | mg/l  | 0.01  | 0.0375     | 0.0375 | <b>0.178</b>  | <b>0.138</b>  | <b>0.11</b>   | <b>0.142</b>  | <b>0.169</b>  | <b>0.145</b>  | <b>0.0831</b> | <b>0.74</b>   | <b>0.306</b>  | <b>0.188</b>  | <b>0.107</b>  | <b>0.214</b>  |
| AP-7 | Arsenic     | mg/l  | 0.01  | 0.0375     | 0.0375 | <0.025        | <b>0.0468</b> | <b>0.0376</b> | <0.025        | <0.025        | <b>0.0462</b> | <b>0.0412</b> | <b>0.075</b>  | <b>0.0555</b> | <b>0.0395</b> | <b>0.0438</b> | <b>0.0947</b> |
| AP-8 | Arsenic     | mg/l  | 0.01  | 0.0375     | 0.0375 | 0.0319        | 0.0352        | 0.0377        | 0.034         | 0.0336        | 0.0348        | <b>0.0513</b> | <b>0.0395</b> | <b>0.0426</b> | <b>0.0461</b> | <b>0.0414</b> | <b>0.0386</b> |
| AW1  | Arsenic     | mg/l  | 0.01  | 0.0375     | 0.0375 |               |               |               |               |               |               |               | <b>0.208</b>  | <b>0.16</b>   | <b>0.156</b>  | <b>0.129</b>  | <b>0.168</b>  |
| AP-2 | Cobalt      | mg/l  | 0.006 | 0.0052     | 0.006  | <b>0.0102</b> | <b>0.0089</b> | <b>0.0115</b> | <b>0.0111</b> | <b>0.0091</b> | <b>0.0102</b> | <b>0.0085</b> | <b>0.0091</b> | <b>0.0068</b> | <b>0.0102</b> | <b>0.0073</b> | <b>0.0085</b> |
| AP-3 | Cobalt      | mg/l  | 0.006 | 0.0052     | 0.006  | <0.005        | <0.005        | <0.005        | 0.0054        | <0.005        | 0.0054        | <0.005        | 0.0051        | <0.005        | <b>0.0065</b> | <b>0.0071</b> | <0.005        |