

Notification of Statistically Significant Levels above Groundwater Protection Standards

February 2026 Groundwater Sampling Event

FGDS Development Unit 2 Landfill

City Water, Light and Power

Springfield, Illinois



Prepared by:

Environmental, Health & Safety, CWLP

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Notification of Statistically Significant Levels Above Groundwater Protection Standards – February 2026 Groundwater Sampling Event

Pursuant to 40 CFR 257.95(g) and Paragraph 269 of the January 14, 2025 Consent Agreement and Final Order (CAFO), provided herein is notification of Statistically Significant Levels (SSLs) identified from the February 2026 groundwater sampling event at the FGDS Unit 2 Landfill.

The February 2026 groundwater sampling event was completed on February 12, 2026. Laboratory analysis of the groundwater samples was completed on March 27, 2026. A statistical comparison to the analytical results to the Groundwater Protection Standards was completed on April 15, 2026.

The following Appendix IV constituents were confirmed SSLs from the February 2026 groundwater sampling event:

Well #	Parameter	Units	MCL	Background	GWPS	2/12/26
R101	Radium 226 and 228	pCi/L	5	2.34	5	6.24
P07D	Arsenic	mg/L	0.01	0.001	0.01	0.0294

On May 13, 2026 USEPA and CWLP executed an Agreement to Resolve the October 23, 2025 Informal Notice of Dispute for the September 2025 FGDS Development Unit 2 Landfill Alternate Source Demonstration. USEPA agreed to extend the period of time in the CAFO for CWLP to submit either an updated Alternate Source Demonstration or a Nature and Extent Report for the June 2025 Arsenic SSL. Further, USEPA and CWLP agreed that up to four new monitoring wells were to be installed upgradient of Unit 2 Landfill for the purpose of recalculating background groundwater quality for the Unit 2 Landfill. CWLP agreed to collect eight rounds of background sampling within 365 days of the executed agreement and to submit a Recalculated Background Report with updated Groundwater Protections Standards within 60 days of completion of the background sampling.

The identified SSLs above are being addressed through the collection of additional background data sets from the newly installed wells and eventual recalculation of backgrounds for the Unit 2 Landfill.