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January 29, 2026

EPA.PrmtSpecCondtns@Illinois.gov

Re: IL0031739 Special Condition 17.E Annual Progress Report

The final page of our PDOP concluded that process changes were infeasible, ineffective using BIOWIN modeling, or over the cost threshold.

Steps we have completed other than process changes are:

- 1) 2018, A Community Outreach Phosphorus pamphlet was added to our website @ Wheaton Sanitary District/About WSD/News—Reduce your phosphorus impact.
- 2) We host several grade, middle, and high school tours to keep students and teachers informed. As well as adult organizations, (rotary clubs, operator groups, oversees delegations.)
- 3) 2018 trialed Ferric Chloride. Corroded feed lines and equipment –messy.
- 4) 2019 our one SU closed and move to Elgin.
- 5) Member DuPage River Salt Creek workgroup-2022 opted out of the 3-year special condition extension. Took 1mg/L P limit starting 2027.
- 6) Illinois Association of Wastewater Agencies member-contribute data to various studies.

2021, 2022 and 2023 Piloting S2EBPR-RAS Fermentation to lower phosphorus. Different strategies and modeling efforts were evaluated to reach an effluent phosphorus level of 1 mg/L. Based on modeling an A/O process is planned to be used to remove phosphorus.

2025 an A/O process was implemented to remove phosphorus.

**Protecting Public Health - Preserving the Environment
Efficiently in a Cost-Effective Manner**