

## Chemical Addition Backup System, KWRP

**Project Number** 19-375-3P

**Service Area** North

**Location** Kirie WRP

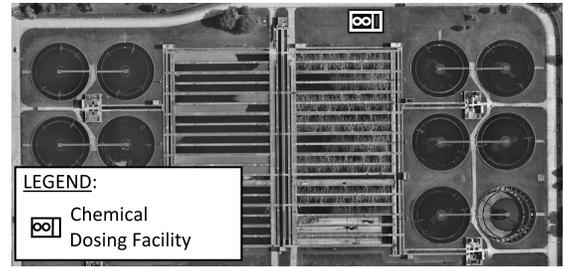
**Engineering Consultant** In-house design

**Engineering Contractor** To be determined

**Estimated Construction Cost** \$5,400,000

**Contract Award Date** May 2025

**Substantial Completion Date** July 2026



**Project Description** This project includes a chemical phosphorus removal backup system, including chemical storage tanks, a spill containment area, feed pumps, and piping.

**Project Justification** The Kirie WRP has a total phosphorus effluent limit of 1.0 mg/L that takes effect within five years of the effective date of the permit as part of the Lower Des Plaines Watershed Workgroup, which is currently scheduled to be in August 2026. The chemical addition system will serve as a backup for times when the plant cannot meet the phosphorus effluent limit with biological treatment alone.

**Project Status** Design