



IEPA
Compliance Assurance Section #19
1021 North Grand Avenue East
Springfield, Illinois 62794

February 20, 2025

Re: Phosphorus Discharge Optimization Plan – 2025 Annual Progress Report

The Village of Glendale Heights completed a Phosphorus Discharge Optimization Plan (PDOP), required through Special Condition #18 of NPDES Permit No. IL0028967. This PDOP was sent to the Illinois EPA in September of 2017, in accordance with the 24-month timeframe required by the Special Condition.

As a further condition of the NPDES permit, the Village is required to submit Annual Progress Reports detailing implementation of any recommended influent or effluent optimization measures. Through evaluation of the influent collection system, it was determined that there was only one potentially significant source of phosphorus exceeding 1.0% of daily influent phosphorus loading into the treatment facility. A cost-benefit analysis was performed and determined that it would not be cost effective to implement specific limits and sampling protocols for the single users. Therefore, it was recommended that the Village begin a public education outreach to inform users of ways to reduce their phosphorus impact.

Since these recommendations were made, the Village has published news articles and infographics in their bi-monthly newsletter to accomplish this goal. In addition, phosphorus reduction information is published and seen on the Village web page at www.glendaleheights.org.

The Village has also optimized the existing Wastewater Treatment Plant to remove additional phosphorus prior to discharge. In 2024 the Village completed construction of the phosphorus removal upgrades project. With the completion of this project, the facility is now designed to biologically remove phosphorus. These modifications to the facility will reduce the phosphorus to a limit of 1.0 mg/l within the timeframe detailed in the NPDES permit.

The Wastewater Treatment Plant is also responsible for monitoring industrial users operating within the Village. In 2024 a Pretreatment Coordinator position was added to the facility. This position will help further enforce local ordinances to ensure that all industrial users are complying with local, state, and federal guidelines relating to water and wastewater quality.

The Village will continue its public education and outreach initiatives, and will update on any further progress regarding the PDOP as required.

Sincerely,

Brian Maritato
WWTP Manager