



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

March 22, 2023

**Re: Phosphorus Discharge Optimization Plan – 2023 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](http://www.glendaleheights.org).

The Village is also optimizing the existing Wastewater Treatment Plant to remove additional phosphorus prior to discharge. With that being said, the Village has currently went out to bid for a nutrient removal project and it is anticipated the award to the contractor will occur within the next 6 to 8 weeks after the IEPA drafts the Loan Agreement. The project start date is in the fall of 2023 and will take 18 months to complete. These modifications to the facility will reduce phosphorus to a limit of 1.0 mg/l within the timeframe detailed in our NPDES permit.

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

Sincerely,

Jeff McCumber  
WWTP Manager