

**DEPARTMENT OF
PUBLIC UTILITIES**

815-724-4230 Direct
815-723-7770 Fax



**150 WEST JEFFERSON STREET
JOLIET, ILLINOIS 60432-4158**

March 30, 2022

Illinois Environmental Protection Agency
Attn: Ms. Catherine Siders
DWPC Compliance Section #19
1021 North Grand Avenue East
Springfield, IL 62794-9276

Re: Aux Sable WWTP NPDES No. IL0076414
Westside WWTP NPDES No. IL0033553
Eastside WWTP NPDES No. IL0022519
Progress Report for Optimization of Phosphorus Reduction

Dear Ms. Siders:

This letter is being sent to provide a progress report for the optimization of phosphorus reduction at the City's Eastside, Aux Sable and Westside WWTPs per the requirements of Special Condition 16 of NPDES Permit No. IL0076414, Special Condition 21 of NPDES Permit No. IL0033553 and Special Condition 17 of NPDES Permit No. IL0022519.

Effluent Reduction Measures

For the Aux Sable and Westside WWTPs construction of phosphorus removal facilities has been completed and the City has been operating the facilities for phosphorus removal since July 1, 2019. A permit limit of 1 mg/L for phosphorus is consistently being met at both facilities.

For the Eastside WWTP, construction of phosphorus removal facilities has been completed and the City has been operating the facilities for phosphorus removal since October 1, 2020. A permit limit of 1 mg/L for phosphorus is consistently being met at the facility.

Influent Reduction Measures

The City of Joliet (City) implements and administers a federally approved industrial pretreatment program (IPP). Components of the IPP include surveillance of the existing industrial users (IU) not only for compliance with their discharge permit effluent limitations but also sampling as monitor only for total phosphorus. Since 2015 both the City and the industrial users monitor for total phosphorus. From this dataset the City has a clear understanding of which IU are sources of total phosphorus above typical domestic background concentrations to the treatment works and have been working with specific IUs on source reduction strategies and best management practices (BMP) to mitigate discharge of total phosphorus.

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Another component of the IPP is the Industrial Waste Survey where industrial, select commercial and food manufactures who are not part of the IPP are surveyed, screened, and have a site inspection to determine if they should be permitted within the IPP. Information regarding the use of phosphorus containing chemicals is collected from the businesses, and for those business that have the potential for source reduction of phosphorus are contacted by the City to work out BMPs or if source chemicals can be swapped for substitutes without phosphorus.

Please contact me at (815) 724-4222 or aswisher@joliet.gov with any questions or comments.

Sincerely,



Allison M.W. Swisher, P.E.
Director of Public Utilities

CC: Susan George, IEPA
Nick Gornick, City of Joliet, Deputy Director - Plant Operations