



T197 MEGA BUGS PLUS HC™

LOCATION

Wadena, MN

PLANT

Activated Sludge

AVERAGE DAILY FLOW

500,000 gpd

PROJECT DETAIL

Customer wanted to see, if by adding Team Lab's T197 Mega Bugs Plus HC™ bioaugmentation product, it would improve both the settling and reduce the amount of sludge to be hauled.



Added 4 lb per week.

Added at the head of the aeration basin.

Biosolids Produced:

Year	Liquid Gallons	Dry Tons
2017-2018	721,000	74
2018-2019	675,500	64
% of Sludge Reduction	45,500 gallons/6%	15%

Notes:

City of Wadena started phosphorus reduction in 2018.

Typically, with the addition of phosphorus chemical plants normally we see an increase in biosolids produced from 30-60%.

With the use of the T197 Mega Bugs HC program the biosolids went down.

Other Benefits Witnessed

- ◆ Better cold weather operation
- ◆ Better settleability
- ◆ Plant was able to respond to higher than normal spike flows
- ◆ Plant was able to respond better to "slug" loads for BOD loading



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