



T197 MEGA BUGS PLUS HC™

LOCATION

Annandale, MN

PLANT

Activated Sludge

AVERAGE DAILY FLOW

600,000 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.



Results are as follows:

Total Influent Loadings	2015	2016
Average Monthly CBOD lb/day	151	158
Average Monthly TSS lb/day	268	241

	2015	2016	% Reduction
Gallons Sludge	1,137,598	542,000	52%
% Solids	2.58%	1.67%	35%
Dry Tons	124	38	70%

Other improvements noticed:

- City saved \$9,000 in sludge hauling cost
- City saved \$4,500 on labor and vac truck rental in the collection systems from grease bioaugmentation program upstream from plant
- Improved settleability
- 2015 - Mixed liquor would settle from 1000ML to 450ML in 5 minutes
- 2015 - Mixed liquor would settle from 1000ML to 190ML in 30 minutes
- 2016 - Mixed liquor would settle from 1000ML to 220ML in 5 minutes
- 2016 - Mixed liquor would settle from 1000ML to 140ML in 30 minutes



TEAM LABORATORY CHEMICAL CORP.
 PO Box 1467 * Detroit Lakes, MN 56502
 800-522-8326 * 218-846-9490
 Web: www.teamlab.net * Email: sales@teamlab.net

