

Success Story

Reduced Downtime
Reduced Maintenance Cost

Annual Cost Savings

\$57,850

Industry – Water Treatment

Application – Threadlocking and Cylindrical Retaining

Supplier saves water treatment facility over 60 hours of downtime

Challenge:

A water treatment plant was experiencing vibrational loosening with their threaded fasteners on Flocculation Rails. The conventional locking method of using Split-Ring Lock Washers was causing the fasteners to vibrate loose and fall out.

The problem resulted in unscheduled downtime. The Flocculation rail fasteners constantly needed to be retightened or worse, replaced entirely if they happened to fall out. In one calendar year, the municipality needed to spend over \$55,000 in unbudgeted money for the repair work.

Solution:

The municipality applied **Loctite 263 High-Strength Threadlocker** to the threaded fasteners used to secure the rails. The use of Genuine Loctite threadlocker eliminated labor and unscheduled downtime and labor needed to tighten and/or replace fasteners that came loose or fell out completely.

Savings:

Labor cost per hour spent re-tightening and replacing bolts was \$75.00 per hour and \$1000 in materials for the year. Repair frequency was once per week @\$1,075 per week for 52 weeks = \$55,900

Another \$1,950 in expense savings was realized when maintenance staff began using Loctite Retaining Compound on the press fits of the plant's Moyno Pumps.

