

# PENTAIR® DYNAMIC TORQUE CONTROLLER™ MODULE

## GREAT FALLS, MONTANA



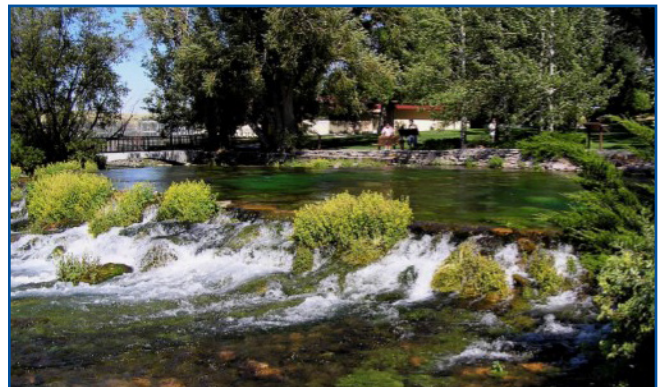
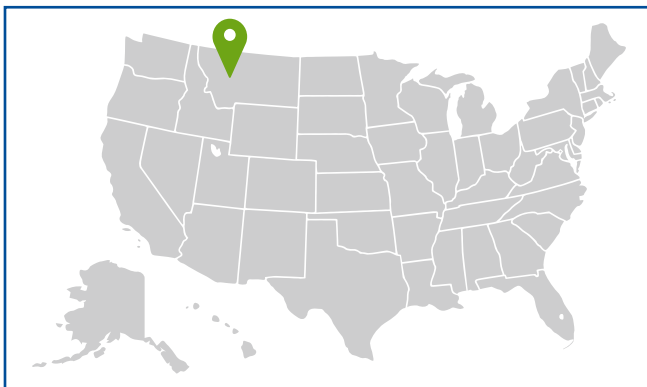
30 HP PUMP



100,000 GPD



C.60,000 RESIDENTS



### PROBLEMS

- ◆ Pump clogged every few weeks even with channel grinder installed in system.
- ◆ When channel grinder was removed for a re-build, it was decided to trial Dynamic Torque Control technology.

### SOLUTION

- ◆ Dynamic Torque Control technology installed on one 30HP pump in March 2017.
- ◆ Set to run clean cycle on start-up and then smartly monitor pump performance in realtime by detecting debris before the pump gets clogged.

“Dynamic Torque Control technology<sup>1</sup> was installed on one pump that normally has a grinder, while that was sent off for a rebuild. Dynamic Torque Control technology worked incredibly well. We will be purchasing Dynamic Torque Control technology for other problem stations in the near future.”

*Randy Kerkes  
Maintenance Manager Veolia  
Great Falls WWTP*

### PROJECT RESULTS\*

- ◆ It was found to make the channel grinder unnecessary as it kept the pump clog free even with it removed.
- ◆ Reduction in labor associated with servicing.
- ◆ Reduction in energy consumption with little change in flow rates.

**DYNAMIC TORQUE CONTROL TECHNOLOGY PERFORMED BETTER THAN CHANNEL GRINDER HAD BEEN, WHICH WAS NO LONGER NEEDED.**



**REDUCED CLOGGING**



AFTER:  
ZERO PER YEAR



**TO LEARN MORE VISIT [PENTAIR.COM/DTC](http://PENTAIR.COM/DTC)**

\*Actual results and performance may vary based upon site and operating conditions.  
<sup>1</sup>Dynamic Torque Control technology is a licensed and branded version of the Deragger™ technology.  
Deragger is a registered trademark of Clearwater Controls Ltd.

All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.