REAL-TIME CHLORINE MONITORING FOR MUNICIPAL WATER SAFETY
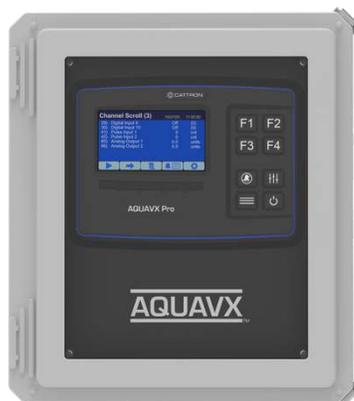
Background

The Town of Irishtown, Newfoundland

The Town of Irishtown, Newfoundland, is committed to delivering residents safe and reliable drinking water. To support this mission, the municipality previously deployed two Aquavx Pro chlorine monitoring systems to track chlorine levels at its water treatment facilities. While these devices provided valuable data, Irishtown sought to strengthen real-time chlorine monitoring and complete its water treatment data loop.

Cattron Effortless SCADA Solution

Working with Cattron's East Coast partner, K&D Pratt, Irishtown recently installed a Messenger W wireless telemetry unit. This device integrates seamlessly with the existing Aquavx Pro systems to create a complete, real-time chlorine monitoring solution. The Messenger W transmits critical data to operators, giving them a unified view of chlorine usage and system performance across the municipality.

Real-Time Chlorine Monitoring for Municipal Water Safety

Benefits of Real-Time Chlorine Monitoring

- **I**mproved Monitoring and Faster Decision-Making - The chlorine monitoring system delivers continuous, up-to-date chlorine level data. Operators can act quickly and with confidence to ensure water safety.
- **Enhanced Chlorine Safety Measures** - Early detection of irregularities improves chlorine handling safety, reducing risk for operators and protecting the community.
- **Optimized Chlorine Usage and Reduced Waste** - By supporting more accurate dosing, the system helps municipalities reduce chlorine waste, cut costs, and operate more sustainably.
- **Increased Operational Efficiency in Water Treatment** - With automated water treatment monitoring, staff spend less time on manual checks and more time on higher-value tasks, while also improving consistency and compliance.

Conclusion

Irishtown has modernized its municipal water treatment technology by combining the Aquavx Pro monitoring systems with the Cattron Messenger W telemetry device and RemoteIQ portal with a cost-effective, scalable approach. This deployment demonstrates how municipalities can improve public safety, reduce operational strain and achieve sustainable chlorine management with Cattron water treatment monitoring solutions.