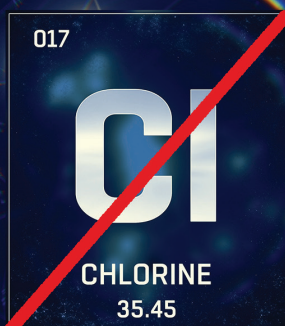


CASE STUDY | Dechlorination



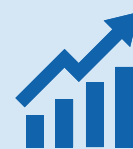
CHALLENGE

A manufacturing facility using chlorinated municipal water for once-through cooling needed to meet DNR discharge limits for total chlorine. The challenge was compounded by seasonal changes in the municipality's disinfectant program, which caused fluctuating chlorine levels and made consistent compliance difficult.



SOLUTION

Watertech designed an automated dechlorination system that combines approved treatment chemistry with real-time monitoring and control. The system continuously measures flow, ORP, and total chlorine, automatically adjusting chemical feed rates to maintain compliance. Integrated data logging and alarm functions provide 24/7 visibility into system performance and discharge conditions.



RESULTS

100%
Compliance
with DNR discharge
permit requirements

Automatically adjusted chemical feed rates in response to changing chlorine levels.

Maintained compliance during municipal disinfectant changes without operator intervention.

Provided continuous monitoring, data logging, and alarm notifications for proactive system management.

Reduced operator workload, allowing personnel to focus on core operations.

Increased confidence in regulatory compliance through 24/7 visibility.

**More than a
water treatment solution.**

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