

Pretreatment for Canadian Petrochemical Facility

Background

A petrochemical facility in western Canada was experiencing shortened demineralizer run lengths and increased aluminum carryover in their cooling water tower makeup water. This resulted in increased demineralizer costs for acid and caustic and increased cooling water dispersant costs.



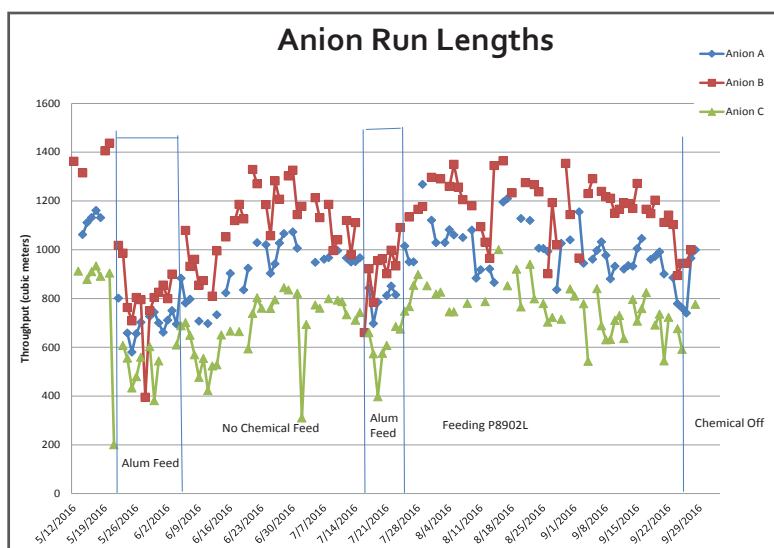
Solution

After extensive jar testing, ChemTreat developed a two-product approach with an inorganic/organic coagulant and polymer blend. This approach exhibited superior turbidity and color removal performance versus the current aluminum sulfate treatment.

Results

ChemTreat utilized P8902L, an inorganic and organic coagulant, and P812A, a flocculant. After a 30-day trial, the customer realized an average 20-percent improvement in anion run lengths. Aluminum carryover to the cooling water systems decreased from

1.50 to 0.25 ppm, a result that exceeded that exhibited by ChemTreat's initial jar bench testing.



Results are examples only. They are not guaranteed. Actual results may vary.

