

Technical Support and Service Are Key in A Place “Way Outside of Ordinary”

Rangely is a remote town with a population of just over 2,200 people located in the upper northwest area of Colorado, thirteen miles from the Utah border. The town’s motto is “Way Outside of Ordinary”. The region is part of Colorado’s high desert at 5,297 feet above sea level. Rangely owes its establishment as a town to the region’s geology. The area was covered by a shallow inland sea over three hundred million years ago and as a result, is now home to tremendous crude oil reserves. Rangely produces over 20,000 barrels a day of oil, roughly one-third of Colorado’s total oil output.



Rangely gets 100% of its drinking water from the White River. The town operates a municipal water supply system for its residents and commercial customers. The recently upgraded water plant has a treatment capacity of four million gallons per day with a class “A” conventional surface water treatment facility consisting of settling, chemical addition, coagulation, flocculation, filtration, taste and odor control, chlorination and fluoridation.

In 2012, the Water Department in Rangely decided to convert their chlorine gas disinfection system to on-site hypochlorite generation (OSHG) in an effort to improve overall plant safety. They chose the MC-80 Microclor® OSHG by Process Solutions (PSI). The OSHG system was designed to operate approximately 12 to 14 hours per month and included enough storage for 2,500 gallons of .08% sodium hypochlorite.



Microclor® OSHG multi-cell systems are designed to ease operator driven maintenance

Once installed, the system operated trouble-free for the first year. During the course of their routine maintenance, operators noticed problems with a distribution pump. They phoned the Service Department at PSI immediately.

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The trained service technicians were able to walk them through a series of diagnostics to further isolate the problem. A replacement part was immediately shipped out for arrival in Rangely. The PSI Service Team was on hand to advise on the installation of the replacement part. Within a short period of time, the system was back up and running.

When it comes to water treatment equipment, who you partner with is important. In this case, the service team at PSI was able to assist a remote customer in getting their equipment up and running again quickly.

“The Microclor System by PSI has proven to be the way of the future in disinfection, and in being located in a remote area, service is the key factor of operations. Their Service Department get’s a “thumbs up” for outstanding support.

Donald C. Reed – Utilities Manager