

RO Lab Capabilities

ASHLAND, VIRGINIA

ChemTreat's state-of-the-art reverse osmosis lab located in Ashland, Virginia provides a complete array of laboratory services to improve membrane performance and develop new formulations for specific applications.

Product Development & Performance Test

ChemTreat's RO lab has the capability for new product development and performance test for both antiscalant and cleaners. Bottle test and cross-flow test are used to verify the efficacy of antiscalants in inhibiting and/or reducing scaling on membrane surfaces.



Membrane Autopsy

Chemical, physical, and micro-biological analyses determine the type of foulant present in the membrane. Results from autopsy are used to troubleshoot the system and recommend the most effective pretreatment and cleaning chemicals to improve system performance and increase membrane life.



RO Cleaning Study

Fouled membrane samples are tested on a laboratory cross-flow unit to identify the best cleaners and procedures to address fouling on membranes. The RO cleaning study can also provide an opportunity to custom blend and test chemistries for site-specific foulant.



8-inch Element Testing & Cleaning

ChemTreat's RO lab has the capability of testing and cleaning an 8-inch single element to validate the effectiveness of a cleaning protocol.



Microbiological Analysis

Water and deposit sample analysis include total aerobic bacteria, total fungi, sulfate reducing bacteria, slime forming bacteria, pseudomonas, enterobacteriaceae, and more.