



NORTHWEST RIVER WATER TREATMENT PLANT

Location:	Chesapeake, VA	Capacity:	12.0 MGD
Engineer:	CH2M Hill	Feed Source:	Aquifer
Market:	Municipal	Feed Quality:	2,000 TDS
Membrane:	Hydranautics	Start-Up:	September 1998

Project Highlights: Hydropro was chosen to provide a new method of treatment for the potable water supply of the City of Chesapeake, Virginia. A combined surface and ground water treatment system consisting of six 2 MGD skids was designed by CH2M Hill to provide 12 MGD of production. Hydropro was commissioned to provide the Membrane Treatment portion of this facility under a contract with Mortenson/MEB Construction.

Producing 8 MGD from the pre-treated surface water source and 4 MGD from the new ground water well system, this state of the art facility went on line in the fall of 1998 and is meeting the water needs of the city.

Due to the changes to the existing surface water treatment system and the difficulty of starting up a combined source treatment system, this intricate facility provided both an engineering and construction challenge to the Hydropro staff, resulting in a superior product to the City of Chesapeake.