

### Clean Water for San Angelo, Texas

The City of San Angelo, like many cities in west central Texas, has been challenged by drought in past years. The solution was located 60 miles away in the Hickory Aquifer well field where the city holds water rights. But the solution also contained a challenge. The water contained radium that must be removed before it is safe to drink by San Angelo's nearly 100,000 residents.

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Leslie Cohen of  
Cohen Industrial Supply Company

In 2008, Carollo Engineers was awarded the \$120 million project to build a 63-mile water main and the Hickory Groundwater Treatment Plant. The facility was built by PLC Contractors and included, according to PLC's website, "underground piping and valves, purification and storage equipment, which includes a chlorine scrubber, chemical pumps, oxidation contact vessels, pressure filters, and a radium removal system."\* The water treatment plant has the capacity to supply up to 9 million gallons of clean water per day to the city.



Robert Dragisic, Regional Sales Manager for IPEX USA, worked with the contractors for the pre-treatment portion of the project that was designed to eliminate the radium from the ground water. Products supplied included Xirtec® 140 PVC 80, Corzan® CPVC Piping, VXE Ball Valves in PVC & CPVC, SXE Ball Check Valves

in PVC & CPVC with Viton seals, VKD actuated ball valves with standard actuation and Rotork actuators, and the remote control panel for the actuators. The valves were linked to a SCADA system (Supervisory Control And Data Acquisition). This system remotely monitors and opens and closes the valves using coded signals over dedicated communications channels. For inspections and repairs, actuators were installed to allow opening and closing on location.



Leslie Cohen of Cohen Industrial Supply Company was asked to quote on the materials required for the project. Cohen included IPEX products in the quote. "IPEX is always very competitive on pricing, very knowledgeable in what they offer us in support, drawings, automation, and delivery times. IPEX was the first one to get on the job site and help with installation, piping and valves – anything they can do to help. They do a good job."

The project is now complete and IPEX is proud to be part of a project delivering safe drinking water to the people of the City of San Angelo.

\* <http://www.pcl.com/projects-that-inspire/pages/hickory-groundwater-treatment-facility.aspx>