Project Description

This Design-Build project included the following features: Raw water intake and pumping facility and supply pipeline system to the existing Dunkard Creek WTF; Treated water pumping and storage facility and piping system from the water treatment facility to the Longview Facility; RO reject pumping station, storage, and piping system to the borehole discharge area; Facility waste pumping station and piping system to the borehole discharge area; Integrated SCADA system controlling RWPS, WTF, FWPS functions related to supply and discharge; Overland Conveyor clearing and civil work. Pipelines, bores and appurtenances for a complete system: 5,470 LF of 30” DIP; 30,400 LF of 24” DIP; 37,536 LF of 12” DIP and PVC SDR18; 10,000 LF of 8” DIP; 7 Cased Bores. Directional Drills 4 each: 1500 LF each of 24” DIP; 12” HDPE & 6” HDPE; 1350 LF each of 24” DIP, 12” HDPE & 6” HDPE; Tanks: 294,000 Gallon Pre-stressed Treated Water Storage Tank; 80,000 Gallon Pre-stressed Reverse Osmosis Reject Water Storage Tank; Miscellaneous: 36,000 LF Fiber Optic 12 Strand Single Mode 1 1/4” Innerduct Cable; 900 feet 4160 Volt Overhead Primary Power Cable with 2 Transformers for WTP Facility; 650 feet 480 Volt Overhead Primary Power Cable with 1 Transformer for the Intake.

At a Glance

Contract Amount: $42.5 M
Notice to Proceed: December 2008
Completion Date: February 23, 2011
MGD: 13.5
Owner: Dunkard Creek Water Treatment System
Engineer: Chester Engineers