

Project Spotlight

Canyon Filtration Membrane Treatment Upgrade and Expansion

Azusa Light & Water



Completed installation of the 6 pressurized membranes inside the membrane building

Key Specifications

- Contract Value: \$36,422,696
- Plant expansion from 7.5 MGD to 12 MGD and expandable to 16 MGD in the future
- Installation of 6 each US Filter-Memcor (currently Siemens Water Technology) CMF-L Pressurized Membranes each with 2 MGD capacity at 25 PSI and 128 modules per train
- Construction of a pretreatment facility consisting of a flocculation basin with 12 each flocculators and a sedimentation basin with plate settlers.
- Construction of a 4 MG finished water reservoir.
- Construction of chemical feed facility.
- Construction of 3 each 726,000 gallons concrete lined evaporative ponds
- Misc pumping facilities for the membrane feed, finished water and flash mix systems

SSC Completes Largest Siemens Membrane Installation

The "Canyon Filtration Membrane Treatment Upgrade and Expansion" was awarded to SSC Construction with the purpose of expanding the existing plants capability to treat intake from the C9 canal. With construction commencing in 2007, SSC completed construction of what is the largest west coast installation of US Filter – Memcor (currently Siemens) CMF-L pressurized membranes and as such has become a showcase for Siemens.

With time driven constraints for shut

downs and the necessity to keep the plant in operation, SSC staff devised methods to reroute the existing raw water intake, without relying on mechanical equipment; which allowed the existing plant to remain in operation while the new intake structure was constructed.

With successful start-up in April 2009 the Canyon Filtration Plant has confirmed SSC Construction position as one of the premier general contractors for water/ wastewater projects in California.

Project Pictures

