

Project Spotlight

Henry C. Garnett Water Purification Plant Expansion Project

Kern County Water Agency



Construction of the new flocculation and sedimentation basin. The structure is approximately 268 feet x 215 feet and constructed with 8000 psi concrete. The completed structure contains 30 vertical flocculators and 5 double-row sludge collection systems with cross-collectors and an automatic sludge removal system.

Key Specifications

- Contract Value: \$67,556,068
- Plant expansion from 45 MGD to 90 MGD
- 8,000 psi concrete with the addition of Microsilica for strength and chemical resistance was batched onsite as local suppliers could not facilitate the mix design
- Construction of a new 4.7 MG finished water clearwell with groundwater suppression system and hypalon baffle curtain
- Installation of over 7,000 feet of yard piping ranging in size from 12-inch to 72-inch
- Construction of a new chemical feed facility
- Construction of a new filter facility
- Misc pumping and flash mix facilities

SSC constructs critical water conveyance project for Kern County Water Agency

The "Henry C. Garnett Water Purification Plant Expansion Project" located in Bakersfield, California has established the progressive move by SSC to provide services beyond the Southern California market.

Awarded in 2008, SSC has completed in excess of 50% of the project to date and is on track to meet the contractual requirements allowing the agency to utilize the new portions of the plant by the end of 2009, while SSC repairs and replaces aspects of the existing plant

throughout the year in 2010.

Furthermore, by self performing over 75% of the work onsite, SSC has maintained tight control over quality, scheduling and costs, and in turn has provided the client with a project that not only has had zero effect on the current water producing operations of the plant, but also is in line with Kern County's highest expectations.

Project Pictures

