



## GOLETA, CALIFORNIA PROGRESSIVE DESIGN-BUILD MWH CONSTRUCTORS, INC.

The Goleta Water District delivers potable water to approximately 80,000 customers. Nearly all of the water provided comes from a single source – Lake Cachuma – and is treated at the district’s only water treatment plant, the Corona del Mar Water Treatment Plant built in the 1970s. Many of the plant’s facilities had reached their useful life and required significant upgrades. The administration and laboratory facilities were also outdated and undersized for the district’s needs.

The district used a best-value selection process to select MWH Constructors, Inc. as their design-builder for the \$23 million Corona del Mar WTP Upgrades and Modifications Project. The evaluation factors used by the district included project experience, client references, qualifications of key project personnel, financial strength and resources, proposed innovative and cost-saving process treatment alternatives, and cost.

Work included the design and construction of several new facilities, including a multi-purpose, 9,100 sq. ft. laboratory/administration-office/control (LAC) LEED Gold building certification program. A key fixture for plant tours, the LAC building now teaches visitors about best practices for design, construction, and resource conservation.

To ensure the community’s only treatment plant remained in operation during the project, modifications to critical treatment process facilities could only be made



between November and April when water demand was low and the district could shut down 50 percent of the plant. As a result, MWH Constructors, Inc. implemented a detailed sequential plan to accomplish all upgrades without disrupting the delivery of high-quality potable water.

MWH Constructors, Inc. successfully completed the upgrades and modifications on schedule and on budget. Additionally, the district was successful at conveying its commitment to the community on becoming a responsible steward of the environment. From planning through startup, all opportunities to increase efficiency, reduce waste, and incorporate environmentally responsible principles were considered. This project also features numerous innovative water treatment process changes aimed at reusing the existing facilities and materials, limiting chemical usage, reducing process water and saving electricity. The energy efficiency savings alone are estimated at over \$85,000 per year.

