



Michelson Water Recycling Plant Phase II Expansion

Background Overview

Established in 1961, IRWD provides drinking water, sewage collection and treatment and produces recycled water. IRWD's tertiary treatment of wastewater at its Michelson Water Recycling Plant (MWRP) results in an excellent quality of recycled water that is used for landscape and agricultural irrigation, and for industrial and commercial needs. About 20 percent of IRWD's current supply is recycled water, enough to provide landscape irrigation for 80 percent of the District's business and community customers including parks, school grounds, and golf courses. Every gallon of recycled water used to irrigate crops or landscaping saves a gallon of drinking water.

In 1967 IRWD's Michelson Water Recycling Plant began delivering approximately two million gallons per day (mgd) of tertiary-treated recycled water to agricultural users. Over the years IRWD's water recycling program grew from this limited use to a nationally-recognized program that provides recycled water for a variety of other non-drinking water uses. By 2008, MWRP's capacity had grown to 18 mgd. IRWD service area continues to grow and the recycled water system must grow along with it. Planners estimate that, when the service area reaches "final build out" in approximately 2025, a recycled water capacity of 33 million per day will be required to meet demands. A master plan was prepared to ensure that the plant will meet these requirements. A second plant expansion, currently under construction, will increase the MWRP by an additional 10 mgd.

Project Description

The MWRP Phase II Expansion Project will increase the capacity of the plant from approximately 18 million gallons per day (mgd) to 28 mgd. Expansion includes a new headworks facility, primary clarifier, electrical building, ultra-violet disinfection facility, membrane bioreactor facility, modification to the influent trunk sewer line and floodwall improvements. Construction began in September 2009 and is anticipated to be completed in summer 2012. Beginning late December 2010/early January, crews will begin pile driving along Riparian View, adjacent to the San Diego Creek bed. The piles will support the new sewer line when it is installed in 2011.

Over



Work Hours

Typical work hours for this project are 7:00 a.m. to 4:30 p.m. Mondays through Fridays, although crews may need extended hours (on occasion) to complete certain portions of the project. These hours are in compliance with the local municipal code, which allows construction activities between the hours of 7:00 a.m. and 7:00 p.m. Mondays through Fridays and 9:00 a.m and 6:00 p.m. on Saturdays.

Questions

Please contact either Jo Ann Corey or Shannon Reed in the IRWD Public Affairs Department at (949) 453-5500.