Laguna County Sanitation District
Recycled Water Tank and System Improvement Project
(WTHOLD)

Prop 50 Funding

In a competitive grant for Integrated Regional Water Management monies under Proposition 50, Laguna Sanitation District was awarded $525,000 by the State Water Resources Control Board for their Recycled Water Tank and System Improvement Project. The total project cost was $1,706,925.

Recycled Water Tank and System Improvement Project

The Recycled Water Tank and System Improvement Project was proposed to improve peak demand storage and ensure water quality to the existing user by converting the holding pond to a closed tank.

The Laguna County Sanitation District (LCSD) provides recycled water to offsite users and for the irrigation of several hundred acres of pasture. Additional, short-term storage was necessary to meet daily, effluent discharge-demand volumes. Long-term storage accommodates winter needs, while short-term storage provides for peak demand fluctuations. An onsite open, soil-cement lined tertiary holding pond provides short-term storage. This pond holds approximately one (1) million gallons, but had a working volume of only around five hundred thousand (500,000) gallons. Because the plant produces water at about one thousand and six hundred (1,600) gallons per minute (gpm), off site users would frequently draw down the holding pond when requiring instantaneous flows exceeding the available flow rate. In addition, because the pond was open, it required take down and cleaning two to three times per year due to windblown debris, algae blooms, and bird impacts.

Project Completion and Success

The project was successfully completed in April 2010 and is currently operational. The project has benefited the District and customers by providing:

- Additional storage to help meet demand
- Reduced water contamination from windblown debris, birds and algae blooms
- Reduced number take down times required for cleaning
- Reduced used of chlorine needed to keep the pipes clean