



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Vandenberg Village Community Services District Lompoc Regional Wastewater Reclamation Plant (LRWRP) Upgrade Project

Prop 50 Funding

In a competitive grant for Integrated Regional Water Management monies under Proposition 50, Vandenberg Village was awarded \$4 million by the State Water Resources Control Board for upgrades to the Lompoc Regional Wastewater Reclamation Plant.

Lompoc Regional Wastewater Reclamation Plant (LRWRP) Upgrade Project

The Prop 50 funded project was undertaken to upgrade the Lompoc Regional Wastewater Reclamation Plant to improve reliability and meet new, more stringent discharge requirements. The project upgraded treatment level from secondary to tertiary (including nutrient removal), constructed two new oxidation ditches and three new secondary clarifiers. In addition, the project replaced influent pumping station and sludge thickening equipment, and replaced the current chemical disinfection system with an ultraviolet disinfection system. Finally, the project installed a new supervisory control and data acquisition system.

The LRWRP was constructed in 1974 as a regional facility to treat wastewater from the City of Lompoc, Vandenberg Village, and Vandenberg Air Force Base. The plant generally performs well but needed to be rehabilitated and upgraded. Vandenberg Village Community Services District depends on the regional plant to treat all the wastewater from Vandenberg Village, a civilian residential community of 6,000 people (only 2,400 ratepayers). A long-term agreement with the City of Lompoc conveys 17.8 percent of the plant capacity rights to the Vandenberg Village Community Services District.

The District is required to fund 17.8 percent of all capital improvements to the plant. The total construction cost of this project was \$83.6 million making the District's 17.8 percent share \$15.6 million. Proposition 50 funded \$4 million of the District's share.

Project Completion and Success

The project was completed in November 2009 and has improved the quality of the wastewater which is treated at the plant and then discharged into the San Miguelito Creek (a tributary to the Santa Ynez River). It is benefitting the habitat of the river, downstream recreational users, and the Lompoc Groundwater Basin. About 90 percent of the treated wastewater percolates into this basin, which serves as the primary source of water supply for City of Lompoc, Vandenberg Village, and Mission Hills.