

Award Winning - White Slough Water Pollution Control Facility Improvements

**American Public Works Association
(APWA) Sacramento Chapter
2008 Project of Year Award**
Small Agency/Environmental Category

West Yost Associates (WYA) has been providing wastewater treatment and disposal system planning and regulatory compliance services for the City of Lodi White Slough Water Pollution Control Facility (WPCF) since the late 1990's. In September the City will be completing the third and final phase of a \$40 million improvement project at the WPCF. The purpose of these improvements was to meet increasingly stringent discharge requirements and increase treatment capacity.

The City has taken a very pro-active stance in addressing permit compliance issues and WYA has taken a leading role in providing the necessary regulatory assistance services. WYA's efforts have culminated in the design and construction of a tertiary filtration and UV disinfection facilities, expansion of the treatment capacity from approximately 6.5 mgd to 8.5 mgd, and the addition of process improvements to provide full ammonia conversion and partial denitrification.



The quality of the effluent is enhanced by the tertiary treatment process, and the City was able to eliminate the use of gaseous chlorine, simplifying operations at the plant. Additionally, the UV disinfection system will improve the marketability of the plant's effluent for water reuse.



The project included the removal of the chlorine gas disinfection system and installation of a safer and more environmentally friendly UV light disinfection system (pictured).