

City of Redding

Clear Creek Wastewater Treatment Plant Rehabilitation and Expansion

Public Scoping Meeting, March 2, 2006

Background

The City of Redding's Clear Creek Wastewater Treatment Plant (plant) is located east of Highway 273, south of Clear Creek, at the southern extremity of the City of Redding (City) (Figure 1). The plant receives wastewater flows from about 26,000 households and businesses on the west side of Churn Creek Road. The plant was originally constructed in 1966 and then upgraded and expanded in 1977. The 1977 expansion was designed to accommodate 8.8 million gallons per day (mgd) of average dry-weather flow (May to October) and 16.2 mgd of peak wet-weather flow (November to April).

Proposed Project

Having served the City for nearly 30 years, the plant is aging and is reaching its design capacity. The City is proposing to refurbish the plant to increase its wet-weather treatment capacity and its capability to accommodate future wastewater flows. Improvements are also necessary for the following reasons:

- To reduce odors released from the site
- To increase hydraulic capacity and thereby reduce the potential for overflow into the Sacramento River during successive storm events
- To meet evolving regulatory requirements
- To improve plant safety and operations, increase plant reliability, reduce noise, and reduce the seepage of partially treated wastewater into the Sacramento River

The proposed improvements are scheduled to begin in summer of 2006 and continue in phases through 2012. The first phase of improvements would include new facilities that would reduce seasonal odor emissions at the influent pump stations and increase peak wet-weather flow capacity, as well as refurbish aging facilities. Construction of the remaining rehabilitation and expansion phases would begin in 2007, and would include operational and capacity improvements to provide an additional 0.6 mgd of average dry-weather flow capacity and 23.8 mgd of peak wet-weather flow capacity.

Environmental studies are currently underway to help determine the appropriate level of environmental documentation for the project. The overall project is anticipated to result in generally minor, temporary impacts during construction of the various phases. Mitigation measures would be implemented as necessary to reduce potential impacts to the extent feasible.