

PLACER COUNTY DEPARTMENT OF FACILITY SERVICES, PLACER COUNTY SEWER MAINTENANCE DISTRICT 3 WASTEWATER TREATMENT PLANT, PLACER COUNTY

Placer County Sewer Maintenance District 3 Wastewater Treatment Plant (SMD3) provided sewerage service for the Horseshoe Bar Road and Folsom Lake area in Placer County and served a population of approximately 1500. The tertiary treatment system at SMD3 consisted of a bar screen, primary clarifier, rock media trickling filter, secondary clarifier, flocculation, denitrifying sand filter, chlorine contact basin, and a sodium bisulfate dechlorination system. The wastewater treatment plant design average dry weather flow capacity was 0.30 mgd. During wet weather, flows over 0.30 mgd, were discharged to the receiving stream with only secondary treatment.

Effluent from SMD3 discharged to Miners Ravine, tributary to Dry Creek, the Natomas East Main Drainage Canal, and Bannon Slough, which flows into the Sacramento River immediately north of the confluence with the American River. Miners Ravine (the 9.4 miles of Miners Ravine in Placer County) is listed as a Water Quality Limited Segment for dissolved oxygen on the 303(d) list of impaired waterbodies. Discharges from SMD3 contributed to the oxygen depression in Miners Ravine. Miners Ravine also flooded the SMD3 facility periodically during large storm events.

Beginning in about 2001, the Placer County Department of Facility Services (Discharger) began to consider the inclusion of this facility in the South Placer Wastewater Authority's regionalization effort rather than upgrade SMD3 to provide year-round tertiary treatment. With regionalization, the wastewater flow would be piped to the City of Roseville's Dry Creek Wastewater Treatment Plant for treatment and disposal, thus eliminating the discharge to Miners Ravine. Eliminating this discharge will reduce the amount of oxygen demanding substances discharged to Miners Ravine and improve water quality.

On 31 May 2013, the Central Valley Regional Water Quality Control Board adopted Waste Discharge Requirements (WDR) Order R5-2013-0076 that included final effluent limitations for the Facility's effluent discharges to Miners Ravine. Cease and Desist Order R5-2013-0089 (CDO) was also adopted by the Central Valley Water Board on 31 May 2013. The CDO required the Discharger to complete tasks that would lead to compliance with final effluent limitations in WDR Order R5-2013-0076 by 31 December 2014. In 2013 and 2014, the Discharger completed work to tie into the City of Roseville's collection system so that all wastewater formerly treated at SMD3 would be transferred to and treated by the City of Roseville's Dry Creek Wastewater Treatment Plant. On 31 December 2014, the discharge to Miners Ravine ceased. Decommissioning of SMD3 was completed on 27 March 2015. SMD3 no longer discharges, nor has the ability to discharge, to Miners Ravine.