

ITEM: 24

SUBJECT: South Feather Water and Power Agency, Miners Ranch Water Treatment Plant, Butte County

BOARD ACTION: *Consideration of Order to Amend Time Schedule Order R5-2010-0060*

BACKGROUND: South Feather Water and Power Agency (hereinafter Discharger) is the owner and operator of the Miners Ranch Water Treatment Plant (hereafter Facility). The treatment system at the Facility consists of settling, flocculation (Alum and polymer addition), chlorination, filtration, and dechlorination with sodium bisulfite. Wastewater is discharged to Miners Ranch Reservoir, a water of the United States, and a tributary to the Feather River, within the Feather River Hydrologic Unit. The facility average dry weather flow design capacity is 1.03 mgd.

On 27 May 2010, the Central Valley Water Board adopted Waste Discharge Requirements (WDRs) Order R5-2010-0059 and Time Schedule Order (TSO) No. R5-2010-0060. The WDRs included final effluent limitations for aluminum and copper. The WDRs included a compliance schedule and interim effluent limitations for aluminum. The TSO included a compliance schedule and interim effluent limitations for copper. Compliance with final effluent limitations for total recoverable copper and aluminum was to be achieved within five (5) years from the WDRs Order R5-2010-0059 effective date of 27 May 2010.

The Discharger has submitted requests for additional time to comply with final aluminum and copper effluent limitations. Facility improvements are currently underway. The Discharger has implemented and evaluated initial source control and operational measures to reduce aluminum and copper concentrations in the discharge, preliminary design alternatives have been considered, and final engineering design will be completed prior to construction of Facility improvements scheduled to begin in 2016. The proposed TSO amendment would add aluminum to the TSO and grant additional time for both aluminum and copper compliance so that the Discharger can complete the Facility expansion project and meet final effluent limitations.

The Discharger plans to eliminate Facility discharges to surface water and implement potable reuse of 100% of the filter backwash water by constructing improvements for enhanced mixing, clarification, filtration, disinfection and residuals handling facilities. Construction of two new pretreatment clarification basins, two new filters, new chemical storage and feed equipment, a second wash water basin for decant recycling, and two additional sludge-handling basins are included as part of the project.

ISSUES: None.

RECOMMENDATION: Adopt the proposed order.

Mgmt. Review __BJS____
Legal Review _____NJ____
30, 31 July 2015
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670