



Regional Water Recycling Plant No. 5

6063 Kimball Avenue
Chino, California 91708

Regional Water Recycling Plant No. 5 (RP-5) is located in the city of Chino and has been in operation since 2004. The hydraulic design capacity is 16.3 million gallons per day (mgd). The plant serves areas of Chino, Chino Hills and Ontario and treats the liquid portion of an average influent wastewater flow, including Regional Water Recycling Plant No. 2 (RP-2) returned flow, of approximately nine million gallons per day.

The liquid treatment section consists of preliminary screening and grit removal, primary clarification, secondary treatment by aeration basins and clarification, tertiary treatment by filtration and disinfection, and dechlorination. This water is treated to Title 22 regulations set forth by the California State Water Resources Control Board. The solids removed from RP-5 are pumped to RP-2 for thickening, anaerobic digestion and dewatering.

RP-5 Expansion

RP-5 Liquids Treatment Expansion project will expand RP-5's liquid treatment capacity to 22.5 mgd. The project will include infrastructure for RP-5's ultimate buildout to treat an average flow of 30 mgd and a peak flow of 60 mgd. The plant will meet all regulatory requirements and continue to provide recycled water to the service area as it continues to grow.

RP-2 has been in operation since 1960 and currently handles the solids that are removed from Carbon Canyon Water Recycling Facility and RP-5. RP-2 is located on property that is owned by the U.S. Army Corps of Engineers who will raise the spillway height of nearby Prado Dam and, as a result, RP-2 will fall within the dam's floodplain. Before completion of the spillway project, a new solids treatment facility will be constructed and in operation at RP-5 to allow the decommissioning of RP-2.

The RP-5 Liquids Treatment Expansion and the RP-5 Solids Treatment Facility will be constructed under one construction contract with two separate milestones. The milestones will be established to differentiate the time necessary to complete the solid treatment work needed to facilitate the decommissioning of RP-2.

Project Timeline



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