

Keyes Community Services District

Updated on April 30, 2021

County: Stanislaus

Population: 5939

Challenges: Arsenic and 1,2,3-TCP MCL Drinking Water Violations

Consolidation date: 2019

Keyes Community Services District (Keyes CSD) is a community water system under the regulatory jurisdiction of the State Water Resource Control Board's Division of Drinking Water. Prior to this regional consolidation project, Keyes CSD operated four groundwater wells, each of which produced water exceeding the arsenic maximum contaminant level. Several small, disadvantaged communities in the nearby vicinity, under the regulatory jurisdiction of the Stanislaus County Department of Environmental Resource, were also served by wells which produced non-compliant water.

Keyes CSD obtained Drinking Water State Revolving Fund (DWSRF) funding to conduct a planning study for arsenic compliance. This planning study determined that a centralized coagulation/filtration arsenic treatment plant was the best viable solution. After this determination, Keyes CSD obtained DWSRF funding for the construction of the arsenic treatment plant as well as the consolidation of several small water systems. A total of approximately 2.5 miles of 10-inch to 14-inch PVC waterlines were installed to consolidate five nearby small water systems. Additionally, several stub-outs were installed for potential future connections. The multi-phase project addressed six drinking water related compliance orders and was completed in 2019. The table below describes the water systems that were consolidated with Keyes CSD via master meter.



Figure 1. Keyes CSD Arsenic Treatment Plant

Table 1. Small water systems that were part of the Keyes CSD regional consolidation project.

Water System Name	Contaminant Violation	Distance to Keyes CSD
Mobile Plaza Park	Arsenic	0.50 miles
Countryside Mobile Home Park	Arsenic	0.31 miles
Green Run Mobile Estates	Arsenic	0.85 miles
Faith Home Teen Ranch	Nitrate	0.72 miles
Orchard Village MHP	Arsenic	Less than 1 mile

Additionally, effective April 28, 2021, a non-community small water system - Interstate Truck Center (CA5000570), has consolidated into the Keyes CSD water system via connection to a stub-out that was funded in the Keyes CSD regional consolidation project. This consolidation was privately funded and resulted in the resolution of approximately 42 violations and the small water system inactivation.

Currently, Keyes CSD is involved in a DWSRF funded project for Granular Activated Carbon (GAC) treatment to address their 1,2,3-TCP drinking water issues.