

# CUYAMA COMMUNITY SERVICES DISTRICT, CALIFORNIA

## Arsenic Removal Project

### HIGHLIGHTS

Evaluation of IX, AA, C/F, EDR and RO arsenic removal processes.

Preliminary capital and O&M costs for C/F process.

Preparation of financial tables and detailed information as required for a USDA Rural Development grant/loan.

Carollo was retained by the District of Cuyama to evaluate feasible arsenic treatment processes and prepare documents necessary for the United States Department of Agriculture (USDA) funding review process. The District draws groundwater from one location containing arsenic at relatively high levels, often approaching the current arsenic Maximum Contaminant Level of 50 ppb. The groundwater also has moderate amounts of iron and a total dissolved solids (TDS) level exceeding the secondary MCL of 500 mg/L. By a desktop analysis, it was determined that a coagulation/filtration process would remove arsenic at less than \$1.00 per gallon when complete.



*Carollo developed process schematics and costs for the 1.5-mgd facility at Cuyama Community Services District.*