

Val Vista WTP Raw Water Quality Monitoring/Security Instruments Installation

Project Name: Val Vista WTP Raw Water Quality Monitoring/Security Instruments Installation
Location: Val Vista Water Treatment Plant, 3200 E. McDowell Rd. Mesa AZ
Owner: City of Phoenix Water Services Department
Project Construction Cost: \$1.0M

The Val Vista Water Treatment Plant Raw Water Quality Monitoring/Security Instruments Installation involved installing new HACH analytical instruments to both the East and West plant inlets that will be used to monitor raw water quality from the South Canal for potential contaminants of concern for security monitoring purposes.

The project was put forward as a design/build team effort with the challenges of coordinating and scheduling design, construction, checkout, and startup around the Plant's operation and scheduled shutdowns.

Project included the following electrical and I&C features:

- Five HACH analytical instruments tied to a central controller for the East and West Plant raw water inlet streams.
- Instrument signals sent to both VVWTP's CCS and SRP's remote terminal unit (RTU).

