

The Reservoir Won't Run Dry with the TankScan Solution

Sunshine Village Water Association

Sunshine Village Water Association was developed in the 1960's and manages 4 wells that feed into a 40,000-gallon water reservoir along with two chlorine tanks that sanitize the water. The system feeds a housing community of 37 homes in Jacksonville, OR, ensuring the community has clean water for daily use.

Applications:
Water Monitoring

Market:
Water Management



Challenge

For over 50 years, Sunshine Village Water Association has been manually monitoring its water reservoir and chlorine tanks twice daily. The association relied on neighborhood volunteers to check chlorine tank levels and also physically open the hatch on the reservoir to record the water level. The association realized the need to implement a system and process that would save time, eliminate strain on the small group of volunteers manually monitoring the tanks and provide an early-warning notice before the water and chlorine levels reached a critical level. Sunshine Village Water Association wanted the ability to monitor their tanks remotely.

Solution

Through a Google web search, Sunshine Village Water Association found TankScan and turned to us for a solution.

The TSU1000 monitoring system provides tank level information through any internet connected device. Users are able to log into the AquaPhoenix Intelligence Platform (AIP) from a laptop, PC or mobile device and monitor tank levels from anywhere an internet connection is available.

The monitor records various data from the tank including fluid levels, temperature, battery life and more. Data is sent to the web-based portal which stores and alerts on the level readings. Alert emails and text messages are sent to the user when fluid levels have dropped below a preset level.

“The monitors helped to save time by requiring fewer trips to check chlorine tanks and the reservoir level. With the data collected daily, we can also monitor use patterns and estimate chlorine usage. We now have a better understanding of peak usage times, problems with the chlorine system such as clogged lines, and helps us maintain chlorine inventory based on daily usage.” said Kerry Shroy, Board President.

Results

The main benefits Sunshine Village Water Association have realized since implementing the TankScan solution include:

- Eliminating the need for volunteers to check tank levels twice daily
- Ability to monitor tank levels remotely 24/7
- Low level alerts allow notification of an event before it reaches a critical point
- Better understanding of peak usage times and helps maintain inventory of chlorine
- Time savings, reliable, and easy to use

“The water association is very pleased with the TankScan system. Until its installation, monitoring hadn’t changed in the 50 years that the system has been in existence. Operations and monitoring practices had been handed down from one generation to the next. People are busier these days and recruiting volunteers to help monitor the system is difficult. The TankScan system has reduced the load on volunteers while at the same time providing useful data for better operations.” commented Shroy.

