

Plummer WWTP Reduces Operations Costs with an Automated Screening Solution



“Because of our overflow issues and the detachment of the screen, we put 55-gallon drums in place to catch screenings. The screenings collected produced an offensive odor that those who had to manually empty the 55-gallon drums had to endure. This wasn’t a process that we could foresee continuing and looked for help in finding a solution.”
-Leonard Johnson, Operations Manager, Plummer WWTP

The Plummer Idaho area has fewer than 400 households, so the Level 3 activated sludge processing plant is more than adequate for handling the wastewater that flows its way. However, as water flow peaked, the plant saw inadequacies with its screening process. When Mountain Water Works presented a solution to address the issues with their existing screen, the HUBER product line was the one specified for accommodating the Plummer WWTP’s peak volumes.

Challenge:

Plummer was experiencing overflow issues with their screen when high water flow occurred. The existing product simply could not take on what was coming in. At high water flow times, water would go over the screen and it would plug. There were times that the doors to the screenings room couldn't be opened because the overflow caused more than 2 feet of water to collect in the building.

"HUBER has vast knowledge and is well-experienced in our industry. They knew what they were talking about and how to solve our issues."
 -Leonard Johnson, Operations Manager, Plummer WWTP

Issues that compounded the flooding situation for Plummer WWTP at peak water flow events:

- Screen plugging and overflow up to 2 feet deep in screenings building
- Screen detaching and landing in onion bags
- Need for 55-gallon drums to catch overflow
- Significant odor produced by drum contents
- Manual dumping of barrels

Solution:

With the help of Mountain Water Works, Plummer's team found HUBER and learned about its Rotomat Ro9 screen.

"This machine has been nothing short of incredible. It's really pleasant not to have to man-handle waste. This machine has been nothing short of incredible."
 -Leonard Johnson, Operations Manager, Plummer WWTP

Plummer WWTP's situation has definitely improved with the implementation of the HUBER Rotomat Ro9.

Delivering and innovating

"HUBER delivers advanced technology. They are ahead of what others in the industry putting in and it keeps us performing the best that we can for our residents."
 -Leonard Johnson, Operations Manager, Plummer WWTP

The benefits are:

Benefit	Effect
Reduction in man hours for maintenance and management	Rinse it off once a day instead of spending 2 hours per day to keep it working
Less odor	Backwash cycle ensures odor reduction
Easier on other process components	Doesn't put undue stress on other components because it doesn't clog or flood
Better control of operation	Alarm alerts you when something gets out of control
Eliminates need for employees to handle waste	Automation replaces previous manual dumping of screenings