



OverWatch™ Direct In-Line Pump System

Success Story

A rehabilitation project of a French Alps high flow lift station requires a reliable and more efficient upgrade; OverWatch™ Direct In-Line Pumping

Overview

A lift station in the Dorons in Moutier consisted of 4 submersible pumps in a wet well with a diameter of 15 ft and a depth of 26 ft. The station was designed for a total flow of 7.6 million gpd at a head of 52 ft. The structure was aging from years of corrosion. Maintenance of the station was troublesome given the volume of effluent and the safety protocol for entering the well.

The operators of this station were looking for a system that was going to be safer for their associates to enter and with less maintenance to last for decades into the future. The OverWatch™ system consisting of 2 on-line pumps and two stand-by pumps were able to do the job of the four submersible pumps.



PROBLEM

- Corroded and aging structure required frequent repair
- Entering the well required strict protocol; H₂S emission
- Frequently clogged pumps need repair

PROBLEM

- Clean dry well; free from odor and H₂S, safe for maintenance teams to enter
- Smart water technology provides operators instant performance feedback
- Pumps adjust to environment real time to meet flow requirements

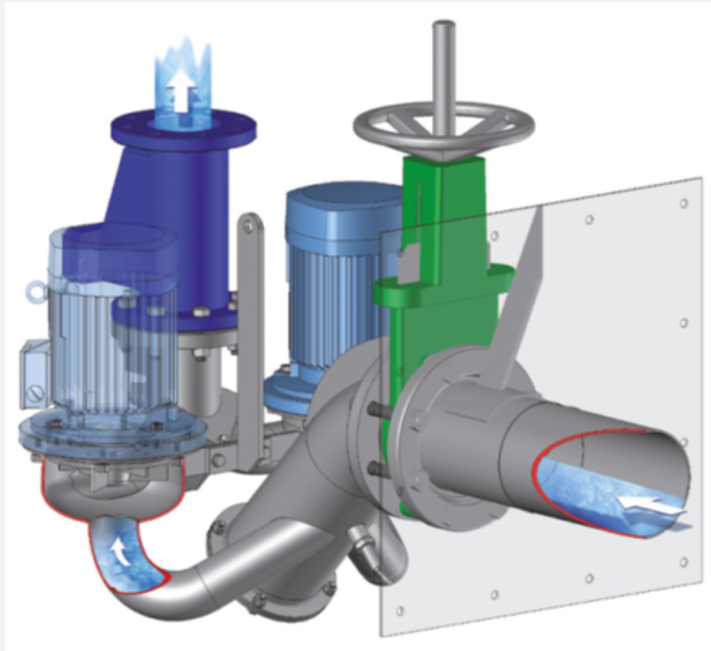
FEATURES

Immersible IP67 IE3 Motors

Modulated pumping driven by variable speed drives for optimized performance and savings

Optional DIPCut® Shredding impeller for self cleaning operation

Shared stainless steel hydraulic body



Isolation valve for easy maintenance

Stainless Steel wall flange supplied for easy mounting

Optional remote monitoring allows for control anywhere

Stainless Steel level pressure sensor

Stone trap/Clean out

Eliminating the wet well to maximize safety; minimize maintenance

The OverWatch™ Direct In-line Pumping Technology creates an environment that eliminates wet well maintenance, exposure to dangerous gases and hazards associated with retained effluent, while saving 30% on energy costs and 65% total savings over the life of the pump. Lifting liquid as it arrives removes the opportunity for whip, fats, oils or greases to build up and solidify. The VFD controlled pump allow the system to adjust it's performance real-time; reversing operation to remove clogs. With over 2000 installations globally, OverWatch™ is maximizing safety and minimizing risk by retrofitting current lift stations all over the world.

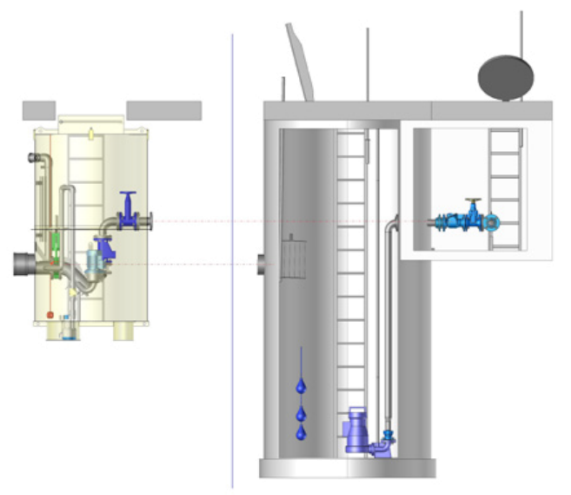
BENEFITS

- Eliminates the wet well and hazards associated with them
- Constant self monitoring operation allows the system to adapt real-time to the environment, adjusting motor performance to the incoming flow and eliminating potential clogs without human intervention
- Reduced maintenance; no screen or well cleaning; no scheduled site visits.

APPLICATIONS

- Munciple retrofits or new wet wells
- Residential, commercial or industrial ejector pumps
- In-line pipe booster systems

Direct In-Line vs. Traditional Installation



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