



INDUSTRIAL
FLOW
SOLUTIONS™

CASE STUDY
OverWatch®

Wycoff, NJ USA
Municipal | Retrofit

OverWatch® Direct In-Line Pump: A Cost-Effective Solution to Replace Aging Pneumatic Ejector in New Jersey Lift Station

Problem

A small lift station in a town in New Jersey, USA, faced a range of critical issues stemming from its aging infrastructure. At the heart of the problem was the 30-year-old pneumatic ejector pump, which had become increasingly unreliable over time. The pump's age made it increasingly difficult to find compatible replacement parts, and frequent compressor failures resulted in **regular downtime**.

Adding to the complexity, the lift station was housed in a small, two-level well, severely **restricting available space** for upgrades or installing new equipment. Moreover, **noise and odor concerns** became significant issues, as the station was in a quiet residential neighborhood. The noise from the pump and the potential odors from the wastewater treatment process disturbed nearby residents, increasing pressure to find a solution to address these environmental concerns.

To make matters worse, the town had a very **tight budget**, leaving little room for significant reconstruction or extensive upgrades. There was no flexibility for large-scale overhauls, and the existing design of the lift station didn't allow for the addition of above-grade structures. The town needed a cost-effective approach that could tackle the operational issues of the aging infrastructure while mitigating the impact on the local community.



Solution

The town installed an OverWatch® Direct In-Line Pump System, specifically designed to address the unique challenges faced by the lift station. This system offers a reliable, high-performance alternative to the aging pneumatic ejector pump, providing consistent operation and **reducing frequent downtime**. The OverWatch® pump's innovative design was key in **eliminating the need for costly and disruptive infrastructure changes**, which had been a significant concern given the limited space and tight budget.

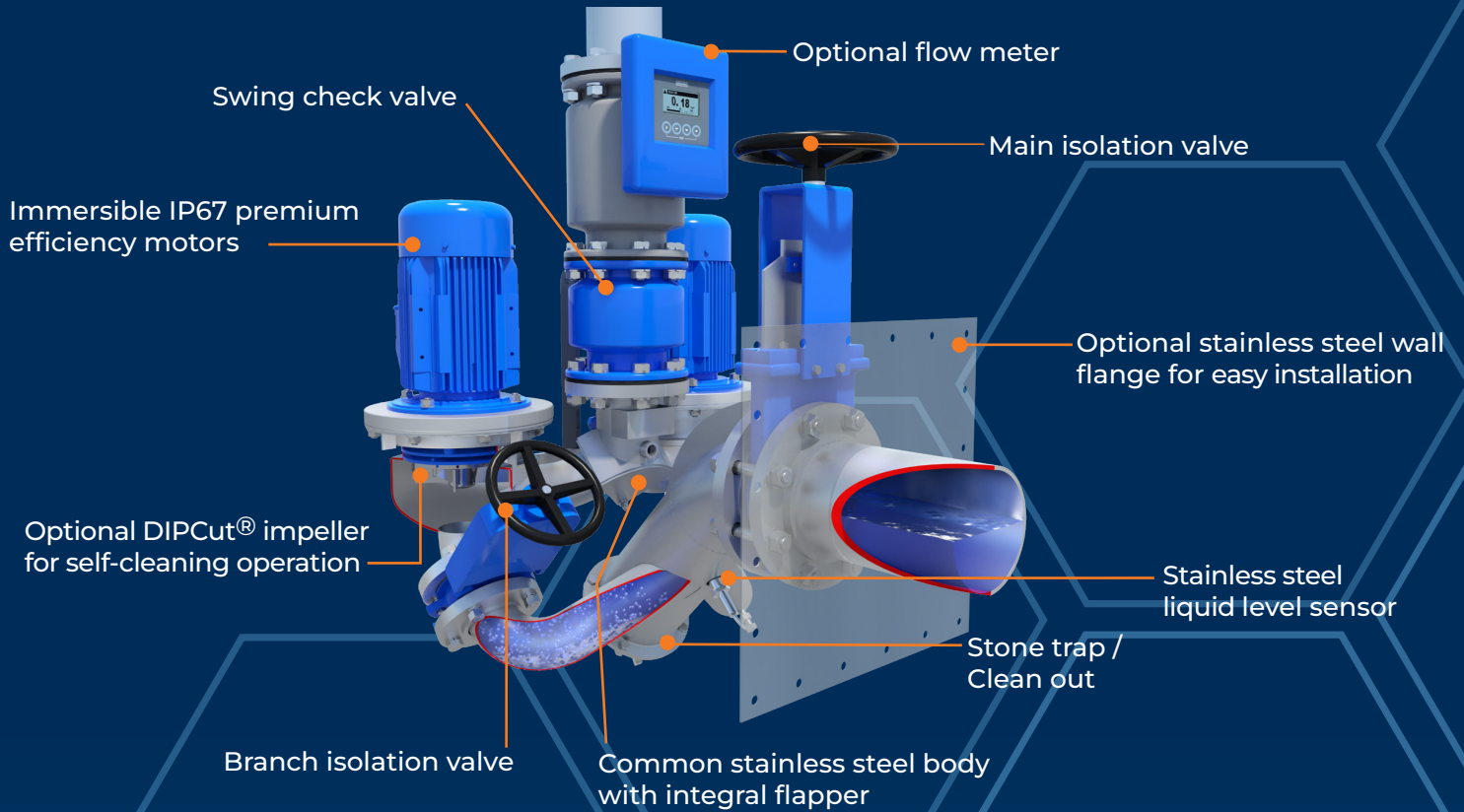
OverWatch® **minimized noise and odor**, two significant concerns for the local community. Its quiet operation helped ensure that the station did not disturb the residential neighborhood, and its advanced technology reduced the potential for unpleasant odors, improving the overall quality of life for residents nearby.

OverWatch® was also a **cost-effective** option aligned with the town's limited budget. Its long-lasting reliability meant **reduced maintenance costs**, and its efficient design allowed the lift station to function optimally without requiring major structural overhauls. The combination of technical efficiency, environmental consideration, and budget-conscious planning made the OverWatch® Direct In-Line Pump the ideal choice for upgrading the lift station.



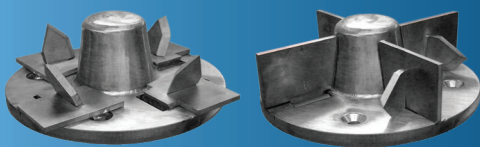
OverWatch[®]

Direct In-Line Pump System



OverWatch[®] Direct In-Line Pump System by Industrial Flow Solutions[™] is a breakthrough technology designed to lift influent from the point of entry, eliminating the wet well. Influent is contained, eliminating odors, and reducing maintenance. The stainless-steel body is designed to withstand the effects of corrosion from harsh materials and solutions, making **OverWatch[®]** an ideal solution for the Municipal, Industrial, or Commercial industries.

STAINLESS STEEL IMPELLER OPTIONS



DIPCUT[®]

Shredding

Pumping



VORTEX



HIGH EFFICIENCY



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