



# CITY OF DARIEN, CT PUMPING STATION GREASE BUSTING CASE STUDY



- Once the city's wastewater treatment plant, this facility now serves as a pumping station to push Darien's wastewater along to the treatment plant in Stamford, CT.
- This station is operated within a very narrow depth range, with a transducer to signal for pumps to come on and off, and floats to back up the transducer.
- The pumping station had been experiencing a large amount of grease buildup, to the point it was sometimes over a foot deep, and hard enough to stand on. The operators tried chemicals and mechanical mixers to no avail. They had to have it pumped out at a cost of \$1,800 whenever the grease cap interfered with station performance. This also required the trucks having to make three trips to deliver it to the Stamford WWTP.



They installed a PHi one valve mixer with a compressor at the plant, along with a novel way of adjusting the depth of the plate.



A flexible air hose connects from the PHi controller (on the other side of the wall) to a vertical pipe descending through a hole in the steel flooring in the center of the tank. The orange clamp can be loosened to allow the plate to be raised or lowered.

## FOR INFORMATION:

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