



HL-PO43

CASE STUDY:

Rantoul Waste Water Treatment Plant, in Rantoul Illinois, installed the Steltec Inc. HL-PO43 in June of 2017. The system uses a combination of sensors to give a calculated reading of Phosphate in the sample stream. The system offers less maintenance and lower cost for the plant, compared to the previous system they had been using. Tying the system in with their SCADA system allowed them to see the analyzer's value real time.



Plant management noticed a significant decrease in the amount of Alum they were using as well as the dependability of the system. Over time, the plant has seen a 50% - 60% reduction in chemical usage and 75% decrease in labor time spent on the system. The system does not use reagents, therefore eliminating the cost and storage of additional chemicals. The system is virtually maintenance-free.

Steve (Plant Superintendent): The HL-PO43 uses a smaller foot print compared to the other system, therefore can be used in limited spaced areas. The new system is much easier to train and explain the workings to the operators.

Jeff (Plant Head E&I): It's a system that we don't worry about. It is much more reliable as well as user friendly. Not dealing with reagents or tubing has saved us time and money. Having it interface with SCADA made getting our phosphate level under control a breeze. It is a "set it and let it run" type of system

Angela (Lab Tech): The system is very reliable and much more accurate compared to our previous unit. I don't worry that system has run out of reagent or is in alarm.