



American Water Solutions, LLC

Waste Water Odor Control Dosing System

Automated Odor Control Dosing Systems - Save Up To 50% In Odor Control Chemicals

Take Control Of Your Odor Control Budget



The AWS Automated Dosing System incorporates high quality microprocessor based components from ACT Inc. for reliability and durability. Our systems provide a touchpad and display for easy operator interface.

The AWS automated dosing system utilizes newly patent pending technology to achieve optimization of odor control chemical dose rates to levels unattainable by conventional methods. With our system, over-dosing and under dosing is a thing of the past. By using only the amount of chemical needed at a given time, odor control chemical budgets will be dramatically reduced.

The secret of the AWS system is that it only doses chemical to meet the chemical demand required for optimal odor control. The AWS dosing system senses changes in the fill/draw cycle of the wet well throughout the day and applies the proper dose rate to meet the system demand. The AWS method achieves greater effectiveness and efficiency than the conventional continuous feed systems or systems that attempt to utilize predictive models and algorithms.

Conventional Systems	AWS Automated Systems
Constant set dose rate is applied throughout the day to meet the peak demand.	Dose rate automatically adjusted throughout the day to meet the instantaneous demand.
Over doses most of the day, yet often under doses during peak demand allowing odors.	Achieves consistent and efficient odor control throughout day without over dosing.
Creates high concentrations of chemicals in the wet well during low sewage flow periods.	Maintains appropriate and safe chemical concentration in wet well.
Cannot adjust for differences between weekdays, weekends, or holidays.	Senses differences in daily flows and automatically adjusts dose rate.
Continuous duty increases run times and reduces life of chemical metering pumps.	Reduced heat, run times, and wear increase life of expensive chemical pumps.

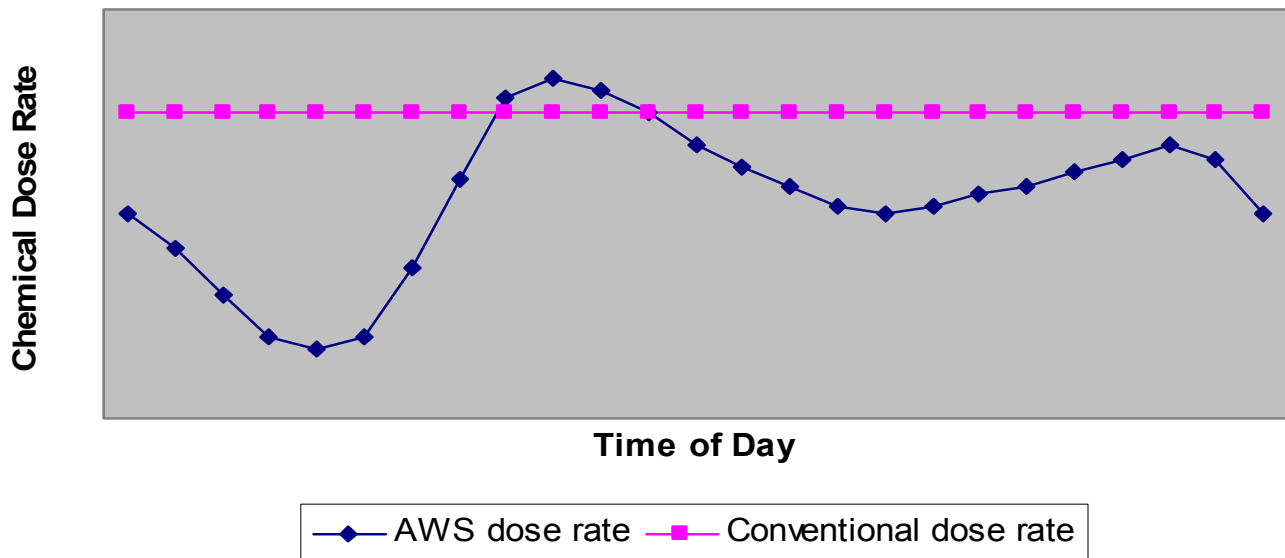


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**Comparison of Typical Chemical Dose Rates for
AWS System vs. Conventional System**



- **SAVE CHEMICALS**
- **SAVE MONEY**
- **REDUCE ODOR COMPLAINTS**
- **MINIMIZE SLUG DOSING OF WWTP**
- **EFFECTIVE WITH NITRATES**
- **VERY EFFECTIVE WITH IRON SALTS**
- **MONITOR TANK LEVELS AND COMMUNICATE WITH PLANT SCADA**