



motus iDS

Intelligent Dosing System

Precision Odor Control

Motus iDS is an intelligent dosing system designed for maximum effectiveness and efficiency in wastewater odor control. Motus iDS operates by reading total organic carbon in the wastewater stream, focusing on retention time, and accurately dosing precise amounts of odor control solution to prevent hydrogen sulfide production and eliminate nuisance odors.

Aulick Chemical Solutions developed Motus iDS to provide public utilities and private industry with the next level of odor control and hydrogen sulfide prevention service. Motus iDS is more than a concept. The intelligent design behind Motus iDS provides customers with cost saving opportunities as well as complete control over chemical inventory resulting in a more effective wastewater treatment/odor control process.

Features and Benefits:

- Password protected HMI display with tank level and dosing amount display
- 4-20ma controlled pump(s) for automatic adjustable dosing
- Automatic dosing adjusts with flow and organic compound changes
- Stainless steel enclosure to withstand harsh environments
- Cost-savings - no unneeded chemical feed
- Tank Link remote tank level monitoring compatibilities
- Optional product usage/alarm notification
- PLC Controller runs calculations to accurately adjust feed rate
- Calibration column
- All internal circuitry protected by circuit breakers
- Decreased chemical dosing during rain events
- Maintenance and technical support provided by Aulick Systems Technicians





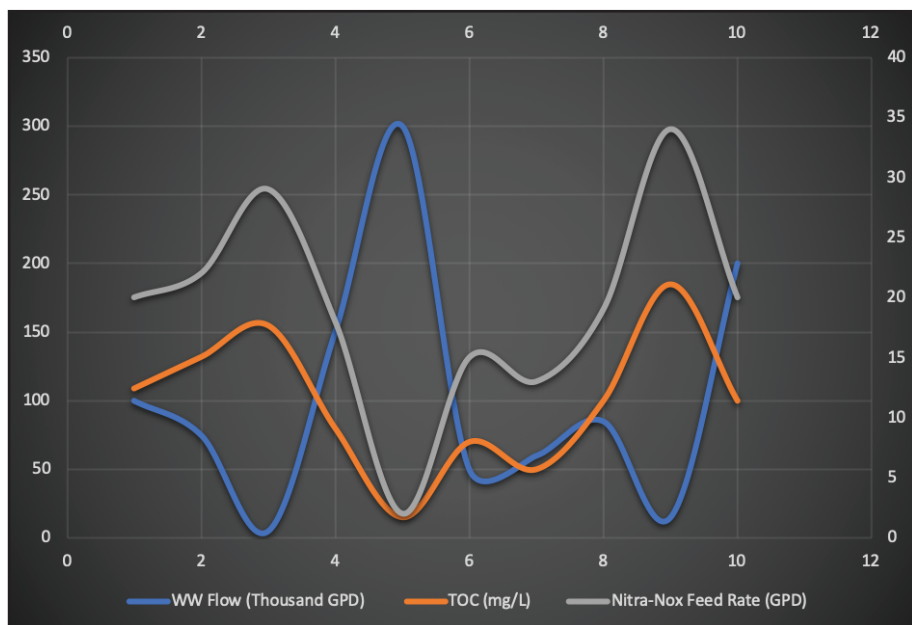
NITRA-NOX

Motus iDS works in conjunction with Aulick's flagship odor control chemical solution, Nitra-Nox. Nitra-Nox is an industry-leading preventative chemistry tested and proven in collection system odor control and industrial wastewater treatment for over a decade.

Nitra-Nox combines prevention and encapsulation by halting the production of dangerous hydrogen sulfide gas in your operations.

Applications:

- Municipal wastewater collection system
- Food/poultry processing
- Paper mill industry
- Rendering industry
- Automotive industry



As the graph presented above depicts, Motus iDS does not follow only one parameter during operation. It intelligently adjusts the Nitra-Nox feed rate (silver line) by analyzing and computing wastewater flow and total organic carbon (TOC) data (orange line). As specific parameters change, the potential for increased hydrogen sulfide prevention also changes. Motus iDS ensures optimal chemical dosing 24-hours per day.