

Energy Savings while Eliminating Fugitive Emissions

(A surprising twist on a control system that wasn't expected to work)

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ABSTRACT

This presentation will review the headspace pressure control application in a waste water system that minimized fugitive emissions while providing energy savings. The design is more complex than traditional pump station and sewer as variable frequency drives were used on the wetwell and combined sewer fans to allow the tight control, in a very low pressure control application. The application included the additional challenges of a corrosive environment and intrinsically safe requirements.

ABOUT THE AUTHORS

Thomas Hoven, PE has 25 years' experience in the Instrumentation and Controls industry, ranging from control panel fabrication, control panel design, system integration, system and network design. Fields of work in industrial control systems, petrochemical control systems, Electrical System Health and Safety, Electrical System Fraud Waste and Abuse and municipal water and wastewater control systems. Contact: thoven@ch2m.com.