

Fieldbus Implementation at a Wastewater Treatment Plant

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SUBMISSION TYPE

30 minute presentation

KEYWORDS

Profibus, HART, Fieldbus, MODBUS, PLC, Backplane, Multiplexor, Fiber optic cable

ABSTRACT

This presentation will provide an overview of the issues and challenges experienced during the recent upgrade to the Hockanum River Water Pollution Facility in Manchester, CT. The project was started in November 2011 and completed in November 2015. This was a complicated project and required multiple disciplines to bring it a successful completion

In the presentation I will discuss the needs for the project based on past problems at the previous plant. During the submittal review, issues with accessing information through the backplane of the PLC hardware were discovered and this required a major change to the configuration of the hardware. Also included in the discussion will be information on the problems with the installation of the fiber optic cabling in a few areas of the plant.

ABOUT THE AUTHORS

Robert J. Dusza, Jr.: *Project and Technical Support Manger for the Department. Responsible for Maintaining and Upgrading the SCADA Systems and projects for the Department. 35 years of experience in Water and Wastewater Treatment Operations. B.S in Marine Biology, M.S. in Environmental Science and Technology. Class IV Water and Wastewater Certifications with State of Connecticut.*

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