



FIREYE NEXUS COMBUSTION CONTROL SUCCESSFUL IN INCREASING BURNER TURNDOWN AND IMPROVED EFFICIENCY!



A NEXUS burner controller was recently fitted to a Babcock and Wilcox boiler rated at 60,000 lbs of steam firing natural gas and no. 2 oil. The plant is located in Collingwood, Ontario and manufactures Canadian Mist whisky. The power plant also provides steam to a neighboring starch plant that runs 24 hours a day, seven days a week.

The resulting fuel savings were 8% and estimated at 160,000 dollars annual savings based on higher burner turndown and more efficient combustion.

The NEXUS provides redundant self-check scanners, burner management, combustion fuel/air ratio control and interfaces with a Moore Mycro scada supervisory system. Emissions of Carbon Monoxide and CO₂ were reduced significantly as a result of the Fireye NEXUS control system.

Yorkland provided the engineering and technical support and the plant personnel installed and commissioned the equipment.

The plant intends to install two additional NEXUS systems in the fall.

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