



**PROCESS
CONTROLS
COMPANY**
Comprehensive Boiler Solutions

Case Study: **Envirojet Series** Ultra Low NO_x Burners

Envirojet Cleaver Brooks Solution

The Retrofit Solution for Cleaver Brooks Firetube Boilers

Retrofitting Cleaver Brooks firetube boilers has always been a challenge due to its unique front end design. In most cases, the retrofit involves the replacement of the existing outer door with a new door designed to accommodate the new burner being installed, as well as other modifications including the replacement of the furnace extension ring and removal of the Cleaver Brooks burner register housing. These modifications prove not only complicated, but very expensive — if not cost prohibitive.

Hamworthy Peabody Combustion has developed a cost effective solution for retrofitting Cleaver Brooks firetube boilers. The solution not only reduces installation costs, but improves boiler performance and maintenance costs. Peabody's *Envirojet* Ultra Low NO_x Burner provides a cost effective installation by re-using the existing outer door and virtually eliminating expensive boiler modifications. While reducing installation costs, the *Envirojet* burner also improves boiler performance by reducing excess air and NO_x emission levels. The *Envirojet* Ultra Low NO_x Burner provides the flexibility to be integrated with Peabody's standard burner management and controls systems, or with any specific user-defined system. Standard controls systems can be provided that are designed to comply with NFPA 85 using components manufactured by Fireye, Honeywell and Preferred Utilities.

Benefits of The *Envirojet* Series:

- Natural gas and oil firing capabilities
- Ultra low NO_x emissions
- Fuel and energy efficient
- Maximum application flexibility
- Flexible and compact assembly
- Reduced noise levels
- Easy installation and maintenance



Contact Process Controls Company to review your boiler application. PCC provides *Total System Integration* with technical expertise and single source accountability, from the evaluation and supply of equipment, through design, installation and maintenance of your boiler room.

Contact us today for more information:

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**HAMWORTHY
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