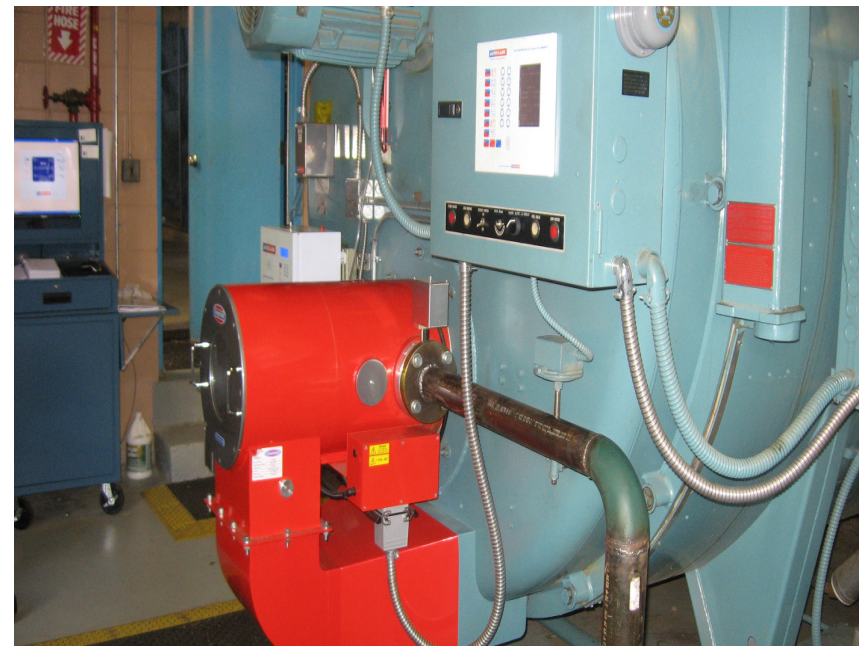


# Boiler Combustion Efficiency Project

- Autoflame Mark 6 Combustion control system & Limpsfield Low O<sub>2</sub> Burner Upgrade installation completed in Bedford Sept 08'.



**Before**



**After**

- In Confirm the results phase of project.

# Boiler Combustion Efficiency Project

## **This equipment will provide the following benefits:**

- Natural Gas Fuel Savings.
- Reduce Harmful Emission to the Environment.
- Produce improved, stable, and consistent emission profiles.

## **Scope:**

- Complete replacement of antiquated and inefficient burners and controls.
- Autoflame Mark 6 controller provide micro modulation of air and fuel valves and dampers.
- EGA- Exhaust Gas Analyzer integrated to provide continuous combustion monitoring to the Mark 6 controller.
- Limpsfield Low O<sub>2</sub> Burners replace the old Cleaver Brooks linkage that controls the air and fuel vales simultaneously.
- DTI- Data Transfer interface will provide downloads of all combustion data.

## **Savings & Sustainability:**

This project is projected to save:

- > 35,294.65 Therms/yr or 13.84 % of fuel consumption.
- 212 Tons CO<sub>2</sub>
- 2889 Tons CO
- 2205 Tons NO