

## MAINTENANCE

Periodic observation of the Heating Plant is advised to insure safe efficient operation.

- 1). Check control operation and settings.
- 2). Check for odors or soot deposit marks. Door seal may need adjusting or vent connections may require additional sealing.
- 3). Observe burner operation for excessive noise or vibration.
- 4). Check for water leaks.

## BOILER CLEANING

Boilers which operate only for heating, need only be cleaned at the end of each heating season. Boilers which operate year round should be cleaned Bi-annually.

It is important that the boiler be cleaned immediately after shut-down and while the cast iron is still warm, firstly because the deposits are more readily removed and, secondly, hardened deposits will absorb moisture and will cause corrosion.

## ATTENTION

Before starting to clean the boiler: shut off all power to burner and boiler.  
Shut off the fuel supply to burner in accordance with Burner Manufacturer's Instruction Manual.

### **To clean boiler:**

- 1). Remove smoke pipe and flue collector at back of boiler.
- 2). Disconnect burner fuel lines as needed to open front door.
- 3). Remove all flue baffles.
- 4). Using the cleaning brush, scrub all fireside surfaces in combustion chamber, flue passages and flue collector area.
- 5). Remove residue and vacuum clean.
- 6). Check condition of flue baffles and replace as needed.
- 7). Check front door and flue collector rope seals, replace as needed.
- 8). Re-assemble and put boiler into operation as needed.

### **NOTE:**

When the boiler is to be "layed-up" at the end of the heating season or out of service for a prolonged period of time:

- A) Make sure all surfaces are clean and dry.
- B) Open boiler front door and place a tray of calcium chloride in the center of the furnace. This will absorb moisture and keep the heat transfer surfaces dry. When calcium chloride becomes mushy, replace with new.
- C) Block door approximately 1/4 open.