



Hazards	
Tools/Equipment	
Employee Group(s)	Facilities Management – Central Heating Plant

Required PPE:



Safety Shoes



Eye Protection



Ear Protection



Gloves

SAFE WORK PRACTICES

- Do not perform the procedure or operate the equipment until you have been appropriately trained and authorized to do so by your supervisor.
- Inspect required personal protective equipment (PPE) and replace if required.

PROCEDURE

1. Walk around Boiler ensuring all doors, manholes and handholes are closed, except for main manhole on top of Boiler water side. All piping should be connected, all Boiler drains closed, and all Safe Work permits cancelled. Steam side vent should be open.
2. Start to fill Boiler through Main Feedwater Valve until level reaches ½ glass. Fill water must be at least 70° F.
3. Add the following chemical through the top manhole: 150 oz. of Optisperse 5050 and 50 oz. of Cortrol IS3070. Close top manhole.
4. Initiate a purge on the Boiler and, using heavy oil, intermittently fire the Boiler, starting and stopping the firing to ensure the Boiler is warmed up evenly and slowly. Do not exceed 5 psi/hour.
5. Close Boiler vent at 15 psi. Water level may be difficult to control at this point and it may be helpful to leave the vent partially cracked open to help control the water level.
6. When circulation is established in Boiler, add chemical to achieve a “P” Alkalinity of 500 ppm and a Sulphite reading of approximately 100 ppm.
7. Make regular checks around Boiler looking for any leaks, etc. while Boiler is firing.
8. Depending on whether the Boiler is going online or not, open Boiler Main Stop Valve and the Boiler Non-Return Valve when Boiler pressure nears header pressure.

NOTE: All PPE, tools and equipment shall be used in accordance with provincial OH&S legislation, manufacturer’s specifications, applicable standards and codes of practice.