



Hazards	leaking, burning from hot pipes, high steam flow, breaking glass,
Tools/Equipment	
Employee Group(s)	Facilities Management – Central Heating Plant

Required PPE:



Safety Shoes



Eye Protection



Gloves



Face Shield



Protective Suit

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.
- When working off a ladder, falling is a risk. Secure ladder and note an escape route in glass blowing out.

PROCEDURE

1. Ensure proper sized glass and seals are in stock.
2. Shut off boiler.
3. Isolate sight glass using chain valves and open drain.
4. Remove guard.
5. Loosen gland nuts.
6. Loosen chain valves. Close main steam and water supplies to column and open drain and vent.
7. Remove glass.
8. Inspect seal and nuts for dirt. Clean seal surface and threads on nuts if required.
9. Install new sight glass, guard and center in glands nuts, tighten firmly. Ensure glass is centered in glands. Adjust nuts if necessary to prevent leaking.
10. Crack open steam supply to warm sight glass through drains.
11. Close all vents and drains leaving in service. Adjust packing if required.
12. When warmed up, slowly open water valve to charge glass. Adjust packing if required, inspect glass for centering and install new glass if cracked.
13. Open all steam/water valves fully.

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.