



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

Required PPE:



Safety Shoes



Eye
Protection



Ear
Protection

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. Plant loses normal power supply – plant shuts down.
2. After 30 seconds, Diesel Generator starts and plant switches to emergency supply.
3. The following equipment will restart on its own when the Diesel Generator starts – plant lighting will come on and chemical pumps and soot blower compressor will start.
4. The following equipment needs to be started manually – Boiler Feed Pump, Condensate Pump, Bunker Fuel Pump, Fish Oil Pump, Air Compressor.
5. Boilers can now be restarted.
6. Computers in control room will have to be restarted.
7. The Emerson Automatic Transfer switch panel outside the control room will indicate “ATS in Emergency Position” and “Emergency Source Accepted”.
8. Maintain regular checks on Diesel Generator – coolant temp 180° F – fuel oil pressure 60 psi.
9. On return to normal supply, the power will come back on, the ATS will switch to its normal supply and will indicate “ATS in normal position”. “Normal Source accepted” will also be indicated on the transfer switch.
10. Diesel Generator will continue to run for approximately 20 minutes, going through a “cool down” sequence before shutting down.
11. Plant equipment will continue to operate during this return to normal supply.
12. Throughout entire procedure, continuous and thorough checks should be made of equipment to ensure that everything has restarted and is running as required.

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.