



🌟 Emergency Shutdown Checklist for Generators (GPH Edition)

Purpose:

To ensure a fast, safe, and controlled shutdown of diesel generators during emergencies such as fire, fuel leak, overload, smoke, vibration, or electrical fault.

🔥 1. Immediate Safety Actions

- ⚡ Activate Emergency Stop Button (E-STOP)
- 🔌 Disconnect load from generator (if safe to do so)
- 🔥 Check for fire hazards near fuel tank, exhaust, or alternator
- 🚫 Evacuate unauthorized personnel from generator area
- ☎ Alert site supervisor / emergency team immediately

📘 2. Fuel & Fire Hazard Check

- 🚨 Inspect fuel system for leaks or burst pipes
- 🔥 Confirm fire extinguisher availability
- 🔥 Ensure no flame, spark, or heat source near generator
- 🚭 Check for fuel smell around generator

⚡ 3. Electrical & Control System Check

- ⚡ Inspect main breaker & panel for burning smell
- 💡 Note any alarms:
- High temperature
- Low oil pressure
- Overload
- Over/under voltage
- Frequency fault
- 📈 Record final control panel readings before power-down (if possible)



4. Engine & Mechanical Safety

- Activate Emergency Stop Button (E-STOP)
- Disconnect load from generator (if safe to do so)
- Check for fire hazards near fuel tank, exhaust, or alternator
- Evacuate unauthorized personnel from generator area
- Alert site supervisor / emergency team immediately

5. Secure Shutdown Condition

- Engine completely stopped
- Fuel supply valve closed (if required)
- Battery isolator switch turned OFF (if instructed)
- Clear area of debris or oil spills
- Prevent unauthorized restart
- Place “DO NOT OPERATE – EMERGENCY SHUTDOWN” tag

6. Record & Report

Fill in log details:

- Date & Time of Shutdown: _____
- Reason for Emergency Shutdown: _____
- Technician Name: _____
- Fault/Alarm Indication: _____
- Immediate Actions Taken: _____
- Reported To: _____
- Signatures:
- Technician: _____
- Supervisor: _____

Why This Checklist Matters

Emergency shutdowns prevent generator damage, electrical fires, and safety risks. A documented checklist ensures controlled shutdown, protects equipment, and supports insurance or warranty claims.