

Emergency Response , Fire & Safety Preparedness Checklist

Electric Vehicle & Charging Station Industry

CONTINUOUS IMPROVEMENT & REVIEW

Annual emergency preparedness review conducted by EHS and management.

Compliant

Partially Compliant

Non-Compliant

NA

CRITICAL – BATTERY & ELECTRICAL FIRE MANAGEMENT

Lithium battery storage and service areas have Class D extinguishers or sand buckets.

Compliant

Partially Compliant

Non-Compliant

NA

No water-based extinguishing used on electrical or battery fires.

Compliant

Partially Compliant

Non-Compliant

NA

Fire blankets or thermal barriers are available near high-voltage and battery areas.

Compliant

Partially Compliant

Non-Compliant

NA

Battery thermal runaway sensors are connected to fire alarm system.

Compliant

Partially Compliant

Non-Compliant

NA

Insulated tools and PPE are available near battery service and charging zones.

Compliant

Partially Compliant

Non-Compliant

NA

Fire response plan includes procedures for electrical isolation during incidents.

Compliant

Partially Compliant

Non-Compliant

NA

DOCUMENTATION & RECORDKEEPING

Fire and safety inspection reports maintained for minimum 3 years.

Compliant

Partially Compliant

Non-Compliant

NA

Emergency drills, incidents, and maintenance logs are digitized for traceability.

Compliant

Partially Compliant

Non-Compliant

NA

All fire extinguishers and alarm systems have asset IDs for digital tracking.

Compliant

Partially Compliant

Non-Compliant

NA

EMERGENCY RESPONSE – INCIDENT MANAGEMENT

Emergency Response Team (ERT) trained for fire, shock, and chemical spill events.

Compliant

Partially Compliant

Non-Compliant

NA

Emergency contact directory includes fire, ambulance, police, and internal EHS.

Compliant

Partially Compliant

Non-Compliant

NA

Incident reporting and investigation system in place.

Compliant

Partially Compliant

Non-Compliant

NA

Spill kits and containment barriers available for coolant or electrolyte leaks.

Compliant

Partially Compliant

Non-Compliant

NA

Crisis management plan includes procedures for power outage and charger failure.

Compliant

Partially Compliant

Non-Compliant

NA

ENVIRONMENTAL & HAZARD CONTROL

No flammable waste or oil stored near emergency exits or battery zones.

Compliant

Partially Compliant

Non-Compliant

NA

Fuel or diesel storage (if any) is in fire-rated enclosures with signage.

Compliant

Partially Compliant

Non-Compliant

NA

FIRST AID & MEDICAL PREPAREDNESS

First aid kits are fully stocked and checked monthly.

Compliant

Partially Compliant

Non-Compliant

NA

Emergency eyewash and shower stations available in chemical handling zones.

Compliant

Partially Compliant

Non-Compliant

NA

Designated first aid responders are trained and available on every shift.

Compliant

Partially Compliant

Non-Compliant

NA

Nearby hospitals or clinics are identified with emergency contact details.

Compliant

Partially Compliant

Non-Compliant

NA

Automatic External Defibrillator (AED) installed and tested regularly.

Compliant

Partially Compliant

Non-Compliant

NA

MAINTENANCE – FIRE EQUIPMENT INSPECTION

Fire extinguishers and suppression systems are visually inspected weekly.

Compliant

Partially Compliant

Non-Compliant

NA

Fire alarm batteries and power backup systems are tested monthly.

Compliant

Partially Compliant

Non-Compliant

NA

Fire doors, exit gates, and fire-rated walls are intact and functional.

Compliant

Partially Compliant

Non-Compliant

NA

All emergency lights and illuminated exit signs are operational.

Compliant

Partially Compliant

Non-Compliant

NA

Fire pumps, valves, and tanks are inspected and tested per schedule.

Compliant

Partially Compliant

Non-Compliant

NA

SAFETY – EVACUATION & EMERGENCY PLANNING

Emergency evacuation maps and routes are displayed at visible locations.

Compliant

Partially Compliant

Non-Compliant

NA

Emergency exits are unlocked, unobstructed, and clearly marked.

Compliant

Partially Compliant

Non-Compliant

NA

Assembly points are clearly designated outside the main risk area.

Compliant

Partially Compliant

Non-Compliant

NA

Evacuation drills are conducted at least twice per year.

Compliant

Partially Compliant

Non-Compliant

NA

Emergency PA (Public Address) system is functional for announcements.

Compliant

Partially Compliant

Non-Compliant

NA

SUPER CRITICAL – FIRE DETECTION & PREVENTION SYSTEMS

Fire detection system (smoke and heat sensors) is installed in all operational zones.

Compliant

Partially Compliant

Non-Compliant

NA

Fire alarm systems are functional and connected to control room or central alert panel.

Compliant

Partially Compliant

Non-Compliant

NA

Automatic fire suppression systems (sprinkler, aerosol, or gas-based) are installed and active.

Compliant

Partially Compliant

Non-Compliant

NA

Fire extinguishers (CO₂, D-class, dry powder) are available and serviced regularly.

Compliant

Partially Compliant

Non-Compliant

NA

Fire water hydrants and hoses are accessible and tested quarterly.

Compliant

Partially Compliant

Non-Compliant

NA

TRAINING & COMPETENCY – EMERGENCY DRILLS

Fire and evacuation training provided to all employees.

Compliant

Partially Compliant

Non-Compliant

NA

Emergency responders receive refresher firefighting and rescue training every 6 months.

Compliant

Partially Compliant

Non-Compliant

NA

Tabletop emergency simulations conducted for key scenarios (fire, battery leak, power fault).

Compliant

Partially Compliant

Non-Compliant

NA