Battery Risk Assessment Checklist

1. General Information

Battery Type: _____

Battery Manufacturer: _____

Battery Model: _____

Date of Assessment: _____

Name of Assessor: _____

2. Battery Storage

- [ ] Is the battery stored in a cool, dry environment?
- [ ] Is the storage area well-ventilated?
- [ ] Are flammable materials kept at a safe distance from the batteries?
- [ ] Is the battery stored in a designated, fire-resistant storage cabinet?
- [ ] Are damaged or defective batteries stored in thermal runaway containers?
- [ ] Is the storage area free from potential sources of ignition (e.g., open flames, sparks)?
- [ ] Is proper labeling indicating hazardous materials and battery safety precautions in place?

3. Battery Handling

- [ ] Are employees trained in proper handling and safety procedures for batteries?
- [ ] Are gloves, protective clothing, and safety goggles provided when handling batteries?
- [ ] Are proper lifting techniques used when handling large or heavy batteries?
- [ ] Is there a policy for handling damaged or leaking batteries?
- [ ] Are batteries kept away from extreme temperatures during handling?

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4. Battery Charging

- [ ] Are charging stations located in well-ventilated areas?
- [ ] Are proper charging cables and devices used according to manufacturer specifications?
- [ ] Is there a policy against overcharging or charging unsupervised?
- [ ] Is the battery being charged away from flammable materials?
- [ ] Is charging equipment inspected regularly for signs of wear or damage?

5. Battery Maintenance

- [ ] Are batteries regularly inspected for leaks, corrosion, or physical damage?
- [ ] Are any swelling, cracks, or discoloration promptly reported?
- [ ] Are terminals and connectors kept clean and free of corrosion?
- [ ] Are inspection records kept up to date?
- [ ] Is there a clear process for replacing or repairing damaged batteries?

6. Fire Safety

- [ ] Is the battery storage area equipped with fire extinguishers rated for electrical or chemical fires?
- [ ] Are fire detection and suppression systems (e.g., sprinklers) installed in the battery storage area?
- [ ] Is there a designated emergency procedure in place for battery fires?
- [ ] Are fire extinguishers easily accessible and properly maintained?
- [ ] Are employees trained in fire emergency procedures specific to battery-related incidents?

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7. Emergency Procedures

- [ ] Are employees aware of the proper procedures for dealing with battery leaks or chemical spills?
- [ ] Are Material Safety Data Sheets (MSDS) for the batteries available?
- [ ] Is there a first aid procedure for exposure to battery chemicals?
- [ ] Are spill kits available for dealing with battery-related chemical spills?

8. Disposal

- [ ] Are procedures in place for disposing of batteries according to local, state, and federal regulations?
- [ ] Are damaged or end-of-life batteries disposed of as hazardous waste?
- [ ] Is there a clear recycling policy for spent batteries?
- [ ] Is the disposal area properly marked and equipped for safe handling of batteries?

9. Additional Comments or Concerns:

_____

_____

Inspector Signature: _____

Date: _____