Critical Facility Site Assessment
Flooded Battery Room Checklist
(Checklist also used for Flooded Nickel Cadmium Batteries)

Contact Info:

WHEN POSSIBLE : TAKE PHOTOS OF ALL CHECKLIST ITEMS

Company Name: _____ Date: _____

Contact Name: _____ Title: _____

Address: _____ Building: _____

Phone Number: _____ Room: _____

Type of Battery: _____ Rack or Cabinet: _____

Make/Model: _____ Battery System Voltage (Range): _____

Pre-Assessment:

			Comments
1	Do you have an Hazardous Material Management Plan (HMMP)?	Yes - No - Unknown - N/A	
2	Is the volume of battery electrolyte documented as part of HMMP?	Yes - No - Unknown - N/A	
3	Are MSDS Sheets present for all regulated materials?	Yes - No - Unknown - N/A	
4	Are there visible signs of leakage or contamination on the floor?	Yes - No - Unknown - N/A	
5	Do you have a designated Spill Response Team?	Yes - No - Unknown - N/A	
6	How many people have access to the battery room?		

Site Description and Comments:

Checklist:

Checkpoint	Compliance Requirement		Comments	Illustration	Regulatory[1]
1	Battery Spill Containment System Approved method and materials for control of electrolyte spill.				IFC 608 NFPA 1 Article 52 UFC Article 64 29 CFR 1910 28 CFR 1926[3] IEEE P1578
	a. Spill Control present?:	Yes - No - Unknown - N/A			
	b. Type (Epoxy - Liner - Berm - Tray - Poly Pan - SS Pan - Other)	Epoxy - Liner - Berm - Tray - Pan - Other			
	c. Is system UL Listed (VXMB)?:	Yes - No - Unknown - N/A	Enter String ID #'s Below:		
	d. Rack Size(s) Outside dimensions including extended rails (width x length in inches): System 1:				
	System 2:				
	System 3:				
	System 4:				
	System 5:				
	System 6:				
	System 7:				
	System 8:				
2	Neutralization and Absorption Pillows Approved method to neutralize spilled electrolyte between ph 7.0 to ph 9.0.				IFC 608 IFC 609 (2003) NFPA 1 Article 52 UFC Article 84 29 CFR 1910 29 CFR 1926[3]
	a. Neutralization Present?:	Yes - No - Unknown - N/A			
	b. Neutralization Type:	Pillows - Bulk - Spill Kit			
	c. If pillows, are they UL Recognized (VXMB2)?:	Yes - No - Unknown - N/A			
	d. Serial number of 1 pillow per system and tag color if applicable				
	e. Number of 12" x 12" Pillows:				
	f. Number of SOCs 4" x 24":				

3	**Spill Clean-up Kit** Spill clean-up kits are required for use by first responders. Kits should contain PPE for corrosive chemical protection, neutralizers and items to facilitate clean-up. a. Is a Spill Kit present?: Yes - No - Unknown - N/A b. Is Spill Kit complete (if No, indicate contents below)? Yes - No - Unknown - N/A c. Apron: Yes - No - Unknown - N/A d. Gloves: Yes - No - Unknown - N/A e. Face Shield: Yes - No - Unknown - N/A f. Goggles: Yes - No - Unknown - N/A g. Tyvex Coveralls: Yes - No - Unknown - N/A h. Acid Resistant Boots: Yes - No - Unknown - N/A i. Neutrasorb: Yes - No - Unknown - N/A j. SOCs or Pillows: Yes - No - Unknown - N/A k. Shovel Yes - No - Unknown - N/A l. pH Test Kit: Yes - No - Unknown - N/A m. Other (Note additional contents in Comments) Yes - No - Unknown - N/A		 	IFC 608 IFC 609 (2003) 29 CFR 1910 29 CFR 1926[3]
4	**Safety Protection Gear** PPE are required when entering battery rooms and working on battery systems. a. Eye protection (goggles): Yes - No - Unknown - N/A b. Corrosive Resistant Gloves: Yes - No - Unknown - N/A c. HV Insulated Gloves: Yes - No - Unknown - N/A c. Corrosive Resistant Apron: Yes - No - Unknown - N/A			29 CFR 1910 29 CFR 1926[3] NFPA 70E IEEE P1657
5	**Eyewash Station** Suitable facilities for quick drenching or flushing of the eyes and body. NOTE CONDITION IN COMMENTS. a. Eyewash present?: Yes - No - Unknown - N/A b. Type (Portable, Plumbed,Qt. Bottles, Personal, Other) Portable - Plumbed - Bottle - Other c. Capacity (Portable) d. Does eyewash need maintenance? Yes - No - Unknown - N/A			29 CFR 1910 29 CFR 1926[3]
6	**Battery & Safety Signage** Doors have approved signs and emergency equipment adequately identified. a. Battery Room: Yes - No - Unknown - N/A b. Chemical Hazard Identification System: Yes - No - Unknown - N/A c. High Voltage: Yes - No - Unknown - N/A d. Eye Wash: Yes - No - Unknown - N/A e. Hazardous Area: Yes - No - Unknown - N/A f. No Smoking Yes - No - Unknown - N/A g. Eye Protection Required: Yes - No - Unknown - N/A h. Fire Extinguisher Yes - No - Unknown - N/A i. Other (Note Other Signs in Comments) Yes - No - Unknown - N/A j. Number of entry/exit doors:		 	IFC 608 IFC 609 (2003) NFPA 1 Article 52 UFC Article 64 29CFR1910.1200 NFPA 70E
7	**Hydrogen Gas Monitors** Ventilation is required to ensure that the hydrogen gas level does not exceed 1% by volume. Monitoring is used t confirm hydrogen gas levels remain within compliance levels. a. Is Hydrogen Gas Monitor present? Yes - No - Unknown - N/A b. Approx. Date Installed: c. Number of Sensors: d. Calibration Kit on Site?: Yes - No - Unknown - N/A e. Size of room (approx. sq. ft.): f. Last Calibration Date:			(See Note 2) IFC 608 IFC 609 (2003) NFPA 1 Article 52 UFC Article 64
8	**Acid-Resistant Aisle Mats** Aisle Mats provide protection of floor substrate in event of acid accumulations. a. Are aisles corrosive resistant? Yes - No - Unknown - N/A b. Type: Epoxy - Mats - Other c. Total length of aisle adjacent to racks: d. Aisle Width:			29 CFR 1910 29 CFR 1926[3]

9	**Battery Terminal Covers** Exposed energized surfaces shall be shrouded to prevent accidental contact. a. Terminal Covers Present?: Yes - No - Unknown - N/A b. Terminal Cover Lengh per String (feet): System 1: System 2: System 3: System 4: System 5: System 6: System 7: System 8:	Enter String ID #'s Below:		NFPA 70E 29 CFR 1910
10	**Battery Maintenance** Proper battery maintenance items provide added safety. a. Battery Lift?: Yes - No - Unknown - N/A b: Hydrometer?: Yes - No - Unknown - N/A b. Water De-Ionizer?: Yes - No - Unknown - N/A c. Water Cart?: Yes - No - Unknown - N/A d. Insulated Tools Available?: Yes - No - Unknown - N/A e. Battery Blankets Available?: Yes - No - Unknown - N/A			NFPA70E IEEE P1657
11	**Smoke Detectors** An approved smoke detection system shall be installed. a. Smoke detectors present?: Yes - No - Unknown - N/A b. Date last Checked:			IFC 608 IFC 609 (2003) NFPA 1 Article 52
12	**Fire Extinguishers** Approved fire extinguishers shall be mounted and accessible. a. Fire Extinguishers present?: Yes - No - Unknown - N/A b. Type: Class "C" or "CO2" Dry Chem: Yes - No - Unknown - N/A c. Date last Checked:			29 CFR 1910.157
13	**Training Program** Training shall be provided regarding the hazards of the equipment in their work area for ALL persons entering battery room. a. Training program in place?: Yes - No - Unknown - N/A b. Are training records documented?: Yes - No - Unknown - N/A c: Is a training standard documented for personnel?: Yes - No - Unknown - N/A c. Are all persons who access battery room trained on hazards?: Yes - No - Unknown - N/A			NFPA 70E 29 CFR 1910

Notes: 1) Check with Local Authorities Having Jurisdiction for local codes and regulations.
2) Monitoring is used to warn occupants should hydrogen gas levels exceed compliance levels.
3) Applies to Construction.

Diagram:

(Copy a picture of the battery racks or type in a description which will facilitate the assessment.)

Inspection Requested by: _____ Sponsor Company: _____

Checklist Completed by: _____ Date: _____

Internal Comments (Comments here will NOT be entered into report.)