



Western

# JOB HAZARD ANALYSIS - Task Specific

NEW

REVISED

**WORKPLACE TASK TO BE ANALYZED**

Refilling of Wet Cell Batteries

**DEPARTMENT**

Facilities Management

**WESTERN JOB CLASSIFICATION\***

Caretakers

**REQUIRED EQUIPMENT AND/OR PERSONAL PROTECTIVE EQUIPMENT**

Eye wash and deluge shower, funnel, goggles, apron, full length cotton shirt or lab coat, nitrile gloves

**WESTERN HAZARD CATEGORY\***

**HAZARD TYPE\***

**LOSS POTENTIAL RATING\***

\*refer to Stantec Specific Job Report

**DATE:**

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**REVIEWED BY:**

Building Managers

**MGMT APPROVAL:**

Chris Bumbacco

**SEQUENCE OF TASK**

**POTENTIAL HAZARDS**

**ACTION OR PROCEDURE**

Staff will only do a visual inspection and add distilled water when required. If the equipment requires servicing beyond this level, please contact the Motor Shop.	chemical burns, odour irritation	1) Remove all jewellery, do not smoke, wear PPE: nitrile gloves, safety goggles, and apron. 2) Work in a well ventilated area. 3) Any smell after recharging could indicate battery damager or overheating; do not inspect batteries, do not operate equipment. Contact Motor Shop immediately and unplug recharging unit from wall.
Equipment to be in vicinity of eye wash and deluge shower when refilling batteries		Move equipment to proper location for servicing
Open machine to access battery compartment	chemical burns	Ensure the machine is turned off and also prior to any recharging of the batteries. Ensure battery compartment is well opened and ventilated prior to charging
Open battery caps to inspect electrolyte level	chemical burns	Check the water level of the batteries at least once per week. After charging the batteries, remove the vent caps and check the water level in each battery cell.

Fill with distilled water to appropriate level mark	chemical burns	Use distilled or demineralized water in a battery. Fill each cell to level indicator. Fluid level indicators lines or to cap level will vary per battery manufacture so read battery labels or manufacturer's info or consult Motor Shop. Do not overfill the battery cell.
Close caps and close compartment.	chemical burns	Do not over fill and spill on floor.
Batteries boiling over or substantial overfill	burns, irritation	Call Motor Shop immediately and do not operate equipment, secure and render equipment safe and tag out of service.
Operation of equipment	burns, irritation	Always run equipment with caps closed and water at indicator levels. Open caps will cause spillage and running at low water level will cause excessive sulphuric gas to be produced and may damage batteries. This could create potential for failure or explosive force inside the cells.