

4123:1-5-21 Storage batteries.

(A) Battery charging areas shall be designated for that purpose.

(B) Employees shall be instructed that:

- (1) When charging batteries, acid shall be poured into water; water shall not be poured into acid;
- (2) When charging batteries, make certain vent caps are functioning: vent caps shall be kept in place to avoid electrolyte spray, and covers shall be open to dissipate heat; and
- (3) Smoking and open flames are prohibited.

(C) In designated battery charging and changing areas the employer shall:

- (1) Provide personal protective equipment as required in rule 4123:1-5-17 of the Administrative Code;
- (2) Provide fire protection;
- (3) Provide protection to charging apparatus to prevent damage by trucks;
- (4) Provide adequate ventilation for exhausting fumes;
- (5) Provide racks, when needed for support, made of nonconductive materials with dielectric properties the equivalent of dry wood or made of other material coated or covered to achieve that objective;
- (6) Provide material handling equipment, such as a conveyor, hoist, or similar equipment, for handling large batteries, such as those used in electrically powered industrial trucks;
- (7) Provide a carboy tilter or siphon for handling electrolyte;
- (8) Provide signs prohibiting open flames or smoking.

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