

## 14. Concrete and Masonry Construction

- 14.01. For the safety of all employees, the following procedures shall be followed:
- 14.01.01. Limited or controlled access zones will be restricted to employees who have actual activity responsibilities within the established zones.
  - 14.01.02. Employees shall not work under concrete buckets while they are being elevated or lowered into position.
  - 14.01.03. Employees, except those required for the job, are not allowed under precast concrete members while they are being lifted or tilted into position.
  - 14.01.04. Personal protective equipment, determined by a supervisor and or employee shall be used without fail. It should be noted that when cement is mixed with water, a highly alkaline solution is produced by the dissolution of calcium, sodium, and potassium hydroxides. Gloves shall be worn to protect the skin. Hands shall be washed after contact. Head, face, eye and body personal protective equipment shall be worn by employees applying a cement, sand, and water mixture through a pneumatic hose.
  - 14.01.05. Employees shall not be allowed to perform maintenance on any equipment where the unexpected activation of that equipment could cause harm without following the Control of Hazardous Energy Plan.
  - 14.01.06. Concrete mixers with one cubic yard or larger loading skips shall be equipped with a:
    - 14.01.06.01. Mechanical device to clear the skip of materials.
    - 14.01.06.02. Guardrail installed on each side of the skip.

NOTE: Regardless of the size of the skip, point of operation guarding shall be utilized.

### 14.02. Concrete Cutting

Only trained, qualified and authorized personnel shall operate concrete tile cutting equipment. The following guidelines shall be used during all concrete cutting operations:

- 14.02.01. Follow the manufacturer's recommendations for the safe use of the equipment.
- 14.02.02. Use the correct blade (size, type, speed) for the job, properly tightened. Inspect the blade and all equipment before use.
- 14.02.03. Ensure all safety guards are functioning properly.
- 14.02.04. Never operate a hand held saw above shoulder height.
- 14.02.05. Wear proper personal protective equipment including head, hearing, eye, hand and skin protection. Depending on the activity, respiratory protection should be used.
- 14.02.06. Establish a control zone and keep others out who are not directly involved with the work at hand.
- 14.02.07. Ensure there is adequate coolant water for the equipment where appropriate.
- 14.02.08. Never operate an internal combustion saw in an enclosed space.