

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 5278 as follows:

§5278. Loading Explosive Materials-General.

(d) Loading operations shall be carried on with the smallest practical number of persons and explosive materials loading equipment present and no one but the loading crew, inspection personnel, and authorized supervisory personnel shall be allowed within 50 feet of the loading area.

(1) At locations where 50 foot minimum distance cannot be maintained, an alternative plan shall be submitted to the Division for approval 30 days prior to anticipated start of work. The Division shall give written notice of receipt to the applicant within 7 days. Notice of approval/disapproval, shall be given within 15 days of receipt of the application. The Division may shorten the 30-day notification requirement where construction has commenced and unexpected site and/or emergency conditions requiring blasting occur.

(2) The Division shall approve the alternative plan if the following elements are satisfied:

(A) All blasting operations will be conducted using low sensitivity explosive materials.

(B) All blasting operations will be conducted using initiation systems which cannot be affected by stray current or radio frequency energy.

(C) A lightning and electric storm-detection system and written plan of action is provided to the Division. The plan shall include provisions for a detection system capable of warning the loading crew when a storm is 100 miles away. When a storm is detected 50 miles from the loading operation, the storm's movement is to be monitored. When a storm is detected at 25 miles from the loading operation, loading operations will be discontinued and all persons in the blast area withdrawn to a safe location.

(D) K-rails, barriers, traffic control systems or natural terrain shall be used to prevent entry by vehicular traffic into the loading site.

(o) Except as provided in Section 5278(w), holes to be blasted shall be charged as near to blasting time as practical and such holes shall be blasted as soon as possible after charging has been completed.

(1) No explosive materials shall be left unattended at the blast site.

(2) Loaded holes shall not be left unattended except as permitted in Section 5278(w).

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Attachment No. 1

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(3) No one but the attendant(s) (see CCR, Title 8, Section 3207 for the definition of Qualified Person, Attendant or Operator), the loading/detonation crew, inspection personnel, and authorized supervisory personnel shall be allowed within 50 feet of the loaded holes.

(A) At locations where 50 foot minimum distance cannot be maintained, an approved alternative plan pursuant to the requirements in subsection (d) shall be implemented.

(w) Loaded holes intended for geophysical operations:

(1) Shall be attended; or

(2) May be left unattended, but only where the loaded explosives, if detonated, it will not cause injuries and where the loaded explosives are:

(A) Anchored, tamped or stemmed so that the charge cannot be removed; or

(B) Left so that the detonator leads are inaccessible to or concealed from unauthorized persons.

(3) No one but the attendant(s), the loading/detonation crew, inspection personnel, and authorized supervisory personnel shall be allowed within 50 feet of the loaded holes.

(A) At locations where 50 foot minimum distance cannot be maintained, an approved alternative plan pursuant to the requirements in subsection (d) shall be implemented.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.