

WAC 296-24-62303 Specific requirements. (1) You must ensure that agents used for initial supply and replenishment are of the type approved for the system's application. Carbon dioxide obtained by dry ice conversion to liquid is not acceptable unless it is processed to remove excess water and oil.

(2) You must ensure that except during overhaul, that the designed concentration of gaseous agents is maintained until the fire has been extinguished or is under control.

(3) You must ensure that employees are not exposed to toxic levels of gaseous agent or its decomposition products.

(4) You must ensure that the designed extinguishing concentration is reached within thirty seconds of initial discharge except for Halon systems which must achieve design concentration within ten seconds.

(5) You must provide a distinctive pre-discharge employee alarm capable of being perceived above ambient light or noise levels when agent design concentrations exceed the maximum safe level for employee exposure. A pre-discharge employee alarm for alerting employees before system discharge must be provided on Halon 1211 and carbon dioxide systems with a design concentration of 4% or greater, and for Halon 1301 systems with a design concentration of 10% or greater. The pre-discharge employee alarm must provide employees time to safely exit the discharge area prior to system discharge.

(6) **Halon 1301:**

(a) Where egress from an area cannot be accomplished within one minute, you must not use Halon 1301 in concentrations greater than 7%.

(b) Where egress takes greater than thirty seconds but less than one minute, you must not use Halon 1301 in a concentration greater than 10%.

(c) Halon 1301 concentrations greater than 10% are only permitted in areas not normally occupied by employees provided that any employee in the area can escape within thirty seconds. You must ensure that no unprotected employees enter the area during agent discharge.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 15-24-100, § 296-24-62303, filed 12/1/15, effective 1/5/16. Statutory Authority: RCW 49.17.040 and 49.17.050. WSR 82-02-003 (Order 81-32), § 296-24-62303, filed 12/24/81.]