

WAC 296-56-60237 Spray painting. (1) This section covers painting operations connected with maintenance of structures, equipment and gear at the marine terminal and of transient equipment serviced at the terminal. It does not apply to overall painting of terminal structures under construction, major repair or rebuilding of terminal structures, or portable spraying apparatus not used regularly in the same location.

(2) For the purpose of this section, approved means that the equipment has been approved for the specified use by a nationally recognized testing laboratory.

(3) You must meet the following spray painting requirements for indoor and outdoor spraying areas and booths:

(a) Shut-off valves, containers or piping with attached hoses or flexible connections must have shut-off valves closed at the connection when not in use.

(b) Pumps used to transfer paint supplies must have automatic pressure-relieving devices.

(c) Hoses and couplings must be inspected before use. Hoses showing deterioration, leakage or weakness in the carcass or at the couplings must be removed from service.

(d) No open flame or spark-producing equipment must be within twenty feet (6.1 m) of a spraying area unless it is separated from the spraying area by a fire-retardant partition.

(i) Hot surfaces must not be located in spraying areas.

(ii) Whenever combustible residues may accumulate on electrical installations, wiring must be in rigid conduit or in boxes containing no taps, splices or connections.

(iii) Portable electric lights must not be used during spraying operations. Lights used during cleaning or repairing operations must be approved for the location in which they are used.

(e) When flammable or combustible liquids are being transferred between containers, both containers must be bonded and grounded.

(f) Spraying must be performed only in designated spray booths or spraying areas.

(i) Spraying areas must be kept as free from combustible residue accumulations as practical.

(ii) Residue scrapings, debris, rags, and waste must be removed from the spraying area as they accumulate.

(g) Spraying with organic peroxides and other dual-component coatings must only be conducted in sprinkler-equipped spray booths.

(h) Only the quantity of flammable or combustible liquids required for the operation must be allowed in the spraying area, and in no case must the amount exceed a one-day supply.

(i) Smoking must be prohibited and "No Smoking" signs must be posted in spraying and paint storage areas.

(4) You must meet these additional requirements for spraying areas and spray booths:

(a) Distribution or baffle plates must be of noncombustible material and must be removable or accessible for cleaning. They must not be located in exhaust ducts.

(b) Any discarded filter must be removed from the work area or placed in water.

(c) Filters must not be used when the material being sprayed is highly susceptible to spontaneous heating and ignition.

(d) Filters must be noncombustible or of an approved type. The same filter must not be used when spraying with different coating materials if the combination of materials may spontaneously ignite.

(e) Spraying areas must be mechanically ventilated for removal of flammable and combustible vapor and mist.

(f) Mechanical ventilation must be in operation during spraying operations and long enough thereafter to exhaust hazardous vapor concentrations.

(g) Rotating fan elements must be nonsparking or the casing must consist of or be lined with nonsparking material.

(h) Piping systems conveying flammable or combustible liquids to the spraying booth or area must be made of metal and be both electrically bonded and grounded.

(i) Air exhausted from spray operations must not contaminate makeup air or other ventilation intakes. Exhausted air must not be recirculated unless it is first cleaned of any hazardous contaminants.

(j) Original closed containers, approved portable tanks, approved safety cans or a piping system must be used to bring flammable or combustible liquids into spraying areas.

(k) If flammable or combustible liquids are supplied to spray nozzles by positive displacement pumps, the pump discharge line must have a relief valve discharging either to a pump section or detached location, or the line must be equipped with a device to stop the prime mover when discharge pressure exceeds the system's safe operating pressure.

(l) Wiring, motors and equipment in a spray booth must be of approved explosion-proof type for Class I, Group D locations and conform with the requirements of chapter 296-24 WAC Part L for Class I, Division 1, Hazardous Locations. Wiring, motors and equipment within twenty feet (6.1 m) of any interior spraying area and not separated by vapor-tight partitions must not produce sparks during operation and must conform to the requirements of chapter 296-24 WAC Part L for Class I, Division 2, Hazardous Locations.

(m) Outside electrical lights within ten feet (3.05 m) of spraying areas and not separated from the areas by partitions must be enclosed and protected from damage.

(5) You must meet these additional requirements for spray booths:

(a) Spray booths must be substantially constructed of noncombustible material and have smooth interior surfaces. Spray booth floors must be covered with noncombustible material. As an aid to cleaning, paper may be used to cover the floor during painting operations if it is removed after the painting is completed.

(b) Spray booths must be separated from other operations by at least 3 feet (0.91 m) or by fire-retardant partitions or walls.

(c) A space of at least 3 feet (0.91 m) on all sides of the spray booth must be maintained free of storage or combustible materials.

(d) Metal parts of spray booths, exhaust ducts, pipings, airless high-pressure spray guns and conductive objects being sprayed must be grounded.

(e) Electric motors driving exhaust fans must not be located inside booths or ducts.

(f) Belts must not enter ducts or booths unless the belts are completely enclosed.

(g) Exhaust ducts must be made of steel, must have sufficient access doors to permit cleaning, and must have a minimum clearance of 18 inches (0.46 m) from combustible materials. Any installed dampers must be fully opened when the ventilating system is operating.

(h) Spray booths must not be alternately used to spray different types of coating materials if the combination of the materials may spontaneously ignite unless deposits of the first material are removed

from the booth and from exhaust ducts before spraying of the second material begins.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 15-24-102, § 296-56-60237, filed 12/1/15, effective 1/5/16. Statutory Authority: RCW 49.17.010, [49.17].040, and [49.17].050. WSR 00-21-103, § 296-56-60237, filed 10/18/00, effective 2/1/01. Statutory Authority: Chapter 49.17 RCW and RCW 49.17.040, [49.17].050 and [49.17].060. WSR 92-22-067 (Order 92-06), § 296-56-60237, filed 10/30/92, effective 12/8/92. Statutory Authority: Chapter 49.17 RCW. WSR 91-24-017 (Order 91-07), § 296-56-60237, filed 11/22/91, effective 12/24/91. Statutory Authority: RCW 49.17.040 and 49.17.050. WSR 86-03-064 (Order 86-02), § 296-56-60237, filed 1/17/86; WSR 85-10-004 (Order 85-09), § 296-56-60237, filed 4/19/85; WSR 85-01-022 (Order 84-24), § 296-56-60237, filed 12/11/84.]