



Mark A. Wells
Fire Chief

Sacramento Metropolitan Fire District

Community Risk Reduction Division

3012 Gold Canal Drive · Rancho Cordova, CA 95670 · Phone (916) 859-4330 · Fax (916) 859-3717

STORAGE OF SCRAP TIRES & BY-PRODUCTS TIRE REBUILDING PLANT CHECKLIST

California Fire Code Chapter 34

An operational permit is required to establish, conduct or maintain storage of scrap tires and tire byproducts that exceed 2,500 cubic feet (71m³) of total volume of scrap tires and for indoor storage of tires and tire byproducts.

An operational permit is required for the operation and maintenance of a tire-rebuilding plant.

Tire Rebuilding

- Tire rebuilding plants meet the requirements of the *California Building Code*, as to construction, separation from other buildings or other portions of the same building, and protection. (CFC 3403.1)
- Buffing operations are located in a room separated from the remainder of the building housing the tire rebuilding or tire recapping operations by a 1-hour fire barrier. (CFC 3403.2) * some exceptions apply
- The buffing area is cleaned at frequent intervals to prevent the accumulation of rubber particles. (CFC 3403.3)
- Each spray room or spray booth where flammable or combustible solvents are applied, shall comply with Chapter 24. (CFC 3403.4)

OUTDOOR STORAGE

- Tire storage are restricted to individual piles not exceeding 5,000 square feet (464.5 m²) of continuous area. Piles shall not exceed 50,000 cubic feet (1416m³) in volume or 10 feet (3048 mm) in height. (CFC 3405.1)
- Individual tire storage piles are separated from other piles of salvage by a clear space of at least 40 feet (12 192 mm). (CFC 3405.2)
- Tire storage piles are separated by a clear space of at least 40 feet (12 192 mm) from piles of other stored product. (CFC 3405.3)

- Tire storage piles are located at least 50 feet (15 240 mm) from lot lines and buildings. (CFC 3405.4)
- Storage yards are maintained free from combustible ground vegetation for a distance of 40 feet (12 192 mm) from the stored material to grass and weeds; and for a distance of 100 feet (30 480 mm) from the stored product to brush and forested areas. (CFC 3405.5)
- Where the bulk volume of stored product is more than 150,000 cubic feet (4248 m³), storage arrangement are in accordance with the following (CFC 3405.6)
 - 1. Individual storage piles comply with size and separation requirements in Sections 2505.1 through 2505.5.
 - 2. Adjacent storage piles shall be considered a group, and the aggregate volume of storage piles in a group does not exceed 150,000 cubic feet (4248 m³). Separation between groups shall be at least 75 feet (22 860 m) wide.
- Outdoor waste tire storage is not be located under bridges, elevated trestles, elevated roadways or elevated railroads. (CFC 3405.7)
- Fire apparatus access roads are located within all pile clearances identified in Sections 3405.4 and within all fire breaks required in Section 3405.5. Access roadways are 150 feet(45 720 mm) of any point in the storage yard where storage piles are located, at least 20 feet (6096 mm) from any storage pile. (CFC 3406.2)
- Where the bulk volume of stored material is more than 20,000 cubic feet (566 m³), a firmly anchored fence or other approved method of security that controls unauthorized access to the storage yard surrounds the storage yard. (CFC 3407.1)
- The fence IS constructed of approved materials and is at least 6 feet (1829 mm) high and provided with gates at least 20 feet (6096 mm) wide. (CFC 3407.2)
- All gates to the storage yard are locked when the storage yard is not staffed. (CFC 3407.3)
- Gateways are kept clear of obstructions and be fully openable at all times. (CFC 3407.4)

Fire Protection

- A public or private fire protection water supply is provided in accordance with Section 507. The water supply is arranged such that any part of the storage yard can be reached by using not more than 500 feet (152 m) of hose. (CFC 3408.1)

- Buildings or structures shall be provided with portable fire extinguishers in accordance with Section 906. Fuel-fired vehicles operating in the storage yard shall be equipped with a minimum 2-A:20-B:C rated portable fire extinguisher. (CFC 3408.2)

Indoor Storage Arrangement

- Where tires are stored on-tread, the dimension of the pile in the direction of the wheel hole are not be more than 50 feet (15 240 mm). Tires stored adjacent to or along one wall do not extend more than 25 feet (7620 mm) from that wall. Other piles are not more than 50 feet (15 240 mm) in width. (CFC 3409.1)

Additional requirements may apply.