

Seattle Fire Department

Permit Conditions

2521

Tire and Tire Byproduct Storage

This permit shall be kept on the premises designated herein at all times and shall be readily available for inspection by the fire code official. (SFC 105.3.5)

INDOOR STORAGE

1. Buildings or structures shall be provided with portable fire extinguishers having a minimum rating of 40-BC located within 30 feet of travel. (SFC 3408.2)
2. Storage shall be within 20 feet of two aisles each at least 44 inches wide. (SFC 315.3.5)
3. No block pile of tire storage shall exceed 40 x 40 feet. (SFC 315.3.5)
4. No dead end aisle shall be longer than 10 times its width. (SFC 315.3.5)
5. All storage in unsprinklered areas shall be within 150 feet aisle travel of an exterior door. (SFC 315.3.5)
6. Where tires, other than miscellaneous tire storage, are stored on-tread, the dimension of the pile in the direction of the wheel hole shall not be more than 50 feet. (SFC 3409.1)
7. Tires stored adjacent to or along one wall shall not extend more than 25 feet from that wall. (SFC 3409.1)
8. Other indoor storage of tire piles shall not be more than 50 feet in width. (SFC 3409.1)
9. The top of the storage shall not exceed 6 feet in height. (SFC Chapter 2-Definitions "High Piled Combustible Storage", SFC 3203.6)

OUTDOOR STORAGE

10. Open burning is prohibited in tire storage yards. (SFC 3404.1)
11. Cutting, welding, other hot work or heating devices shall not be operated in tire storage yards, except in approved designated areas. (SFC 3404.2)
12. Smoking is prohibited in tire storage yards, except in approved designated areas. (SFC 3404.3)
13. Tire storage piles shall not be located beneath electrical power lines having a voltage in excess of 750 volts or that supply power to fire emergency systems. (SFC 3404.4)
14. Tire storage piles in excess of 500 tires shall be located at least 50 feet from lot lines and buildings. (SFC 3405.4)
15. Tire storage piles of 500 tires or less shall be located at least 10 feet from property lines and buildings.

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Exception: Tire storage piles with 500 tires or less are permitted to be within 3 feet of property lines and buildings for storage not exceeding 6 feet in height. (SFC 3405.4)

16. Tire piles shall not exceed 5,000 square feet of continuous area. (SFC 3405.1)
17. Tire piles shall not exceed 50,000 cubic feet in volume or 10 feet in height. (SFC 3405.1)
18. Individual tire piles shall be separated from other piles of salvage and from piles of other stored material by a clear space of at least 40 feet. (SFC 3405.2)
19. Outdoor tire storage piles shall be separated by a clear space of at least 40 feet from piles of other stored product. (SFC 3405.3)
20. Outside tire storage piles in excess of 500 tires shall be located at least 50 feet from lot lines and buildings. (SFC 3405.4)
21. Storage yards shall be maintained free from combustible ground vegetation for a distance of 40 feet from the stored materials to grass and weeds; and for a distance of 100 feet from the stored product to brush and forested areas. (SFC 3405.5)
22. Where the bulk volume of stored product is more than 150,000 cubic feet, storage arrangement shall be in accordance with the following (SFC 3405.6):
 - a. Individual storage piles shall comply with the size and separation requirements in numbers 17 through 22, above.
 - b. Adjacent storage piles shall be considered a group, and the aggregate volume of storage piles in a group shall not exceed 150,000 cubic feet.
 - c. Separation between groups shall be at least 75 feet wide.
23. Outdoor waste tire storage shall not be located under bridges, elevated trestles, elevated roadways or elevated railroads. (SFC 3405.7)
24. New tire storage yards shall be provided with fire access roads in accordance with Section 503 and Section 3406.2 of the 2015 SFC. (SFC 3406.1)
25. New and existing tire storage yards shall have access roads that are within 150 feet of any point in the storage yard where storage piles are located and shall not be within 20 feet from any storage pile. (SFC 3406.2, 1106.1.2)
26. Where the bulk volume of stored material is more than 20,000 cubic feet, a firmly anchored fence or other approved method of security that controls unauthorized access to the storage yard shall surround the storage yard. (SFC 3407.1)
27. The fence shall be constructed of approved materials and shall be at least 6 feet high and provided with gates at least 20 feet wide. (SFC 3407.2)
28. All gates to the storage yard shall be locked when the storage yard is not staffed. (SFC 3407.3)

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29. Gateways shall be kept clear of obstructions and be fully openable at all times. (SFC 3407.4)
30. All portions of the tire storage shall be arranged so that any part of the storage yard can be reached by using not more than 500 feet of hose. (SFC 3408.1)
31. Fuel-fire vehicles operating in the storage yard shall be equipped with a minimum 2A: 20B-C rated portable fire extinguisher. (SFC 3408.2)