

Seattle Fire Department

Permit Conditions

801-U

Site Address: _____

Inspector: _____

Water Reactive Liquids and Solids

NOTICE

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)

The fire code official shall be immediately notified by calling 9-1-1 when an unauthorized discharge of a hazardous material, including cryogenic fluids, becomes reportable under state, federal, or local regulations, or when any release inside or outside a building could present a fire or life safety hazard. (SFC 5003.3.1)

Indoor Storage over MAQ

1. Water reactive solids and liquids stored in quantities greater than 500 cubic feet shall be separated into piles, each not larger than 500 cubic feet. Aisle width shall not be less than the height of the piles or 4 feet, whichever is greater. **Exception:** Water-reactive solids and liquids stored in tanks. [SFC 6704.1.5]
2. Class 2 water-reactive solids and liquids shall not be stored in basements unless such materials are stored in closed watertight containers or tanks. [SFC 6704.1.5]
3. Class 3 water-reactive solids and liquids shall not be stored in basements. [SFC 6704.1.5]
4. Class 2 or Class 3 water-reactive solids and liquids shall not be stored with flammable liquids. [SFC 6704.1.5]
5. Rooms or areas used for the storage of water reactive solids or liquids shall be constructed in a manner that resists the penetration of water through the use of waterproof materials. Piping carrying water for other than *approved automatic sprinkler systems* shall not be within such rooms or areas. [SFC 6704.1.3]
6. Floors of storage areas shall be of liquid-tight construction. [SFC 6704.1.2]

Outdoor Storage over MAQ:

7. Outdoor storage of water-reactive liquids and solids shall be within tanks or closed water-tight containers. [SFC 6704.2.1]
8. Outdoor storage of Class 3 water-reactive liquids and solids shall not be within 75 feet of buildings, property lines, streets, alleys, public ways or means of egress. [SFC 6704.2.2]
9. Outdoor storage of Class 2 water reactive solids and liquids shall not be within 20 feet of buildings, property lines, public streets, public alleys, public ways or means of egress. A two-hour fire barrier without openings or penetrations, and extending not less than 30 inches (762 mm) above and to the sides of the storage area, is allowed in lieu of such distance. The wall shall either be an independent structure, or the exterior wall of the building adjacent to the storage area. [SFC 6704.2.3]

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10. Class 3 water-reactive liquids and solids shall be limited to piles not greater than 500 cubic feet. [SFC 6704.2.4]
11. Class 2 water-reactive solids and liquids shall be limited to piles not greater than 1,000 cubic feet. [SFC 6704.2.4]
12. Aisle widths between piles shall not be less than one-half the height of the pile or 10 feet, whichever is greater. [SFC 6704.2.4]
13. Secondary containments shall be provided in accordance with the provisions of Section 5004.2.2. [SFC 6704.2.5]
14. Visible hazard identification signs as specified in NFPA 704 for the specific material contained shall be placed on stationary containers and aboveground tanks and at entrances to locations where hazardous materials are stored, dispensed, and at specific entrances and locations designated by the *fire code official*. [SFC 5003.5]