

Seattle Fire Department Permit Conditions

4914-Annual
4915-Temp.

Site Address: _____

Inspector: _____

Marine Hot Work

Permission is hereby granted under the provisions of the Seattle Fire Code (SFC) to conduct hot work on marine vessels at the approved designated facility specified in this permit in accordance with Seattle Fire Department Administrative Rule 26.01.09 applicable provisions of the Seattle Fire Code and the following conditions:

PERMIT CONDITIONS:

1. The permit holder is responsible for ensuring that hot work conducted on marine vessels at the designated facility specified in this permit is conducted in accordance with the restrictions and requirements set forth in SFD Administrative Rule 26.01.14 *and any other future revisions of this rule adopted by the fire code.* [Seattle Fire Code Sec 105.3]
2. Permits shall be kept on the premises designated herein at all times and shall be posted in a conspicuous location or shall be kept on the premises in an approved location. [Seattle Fire Code Sec 105.1]
3. Level I hot work shall not be conducted at fuel terminals or piers, passenger terminals unless under special permit, grain terminals, piers where the primary use is residential or recreational in nature, and piers not possessing the required fire department permit. [SFD Administrative Rule 26.01.14 Sec 3.3]
4. Level II hot work shall not be conducted at fuel terminals or piers, passenger terminals unless under special permit, grain terminals, piers where the primary use is residential or recreational in nature, piers not possessing the required fire department permit, and combustible piers, floats or wharves which are not equipped with suitable access for apparatus, availability of hydrant supply, or fire protection systems. [SFD Administrative Rule 26.01.014 Sec 3.3]
5. Marine hot work shall not be conducted on outboard vessels or vessels that are not located immediately adjacent to the pier, dock or wharf.
Exception: Flat deck barges when specifically approved under permit after a site inspection provided sufficient fire and life safety provisions, including provisions for egress of workers, are present. [SFD Administrative Rule 26.01.14 Sec 3.5]
6. A means shall be provided and made available within 200 feet of the work site to rapidly contact the Fire Department in the event of an emergency. [SFD Administrative Rule 26.01.14 Sec 5.2]
7. Arrangements shall be made prior to commencement of hot work to close the vessel as soon as possible in the event of a fire. Closure time shall not exceed 30 minutes. [SFD Administrative Rule 26.01.14 Sec 5.3]
8. At least one gangway shall be provided for access to vessels less than 200 feet in length. [SFD Administrative Rule 26.01.14 Sec 5.4.1]
9. Two gangways shall be provided for access to vessels 200 feet or more in length. At least one of the gangways must be rigged from the vessel to the main pier of the facility and the second gangway may be immediately available and ready to deploy via a chain fall, strap pulley, or other approved device.
Exception: Gangways are not required for vessels whose size or design permit boarders to step directly aboard from the dock and where the vessel is moored in such a way to prevent falling between the vessel and the dock during periods of poor visibility. [SFD Administrative Rule 26.01.14 Sec 5.4.2]

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10. A fire watch shall be designated to look for and report fire when hot work operations are taking place or when specifically required per the current Administrative Rule. [SFD Administrative Rule 26.01.14 Sec 5.5.2]
11. Each designated *Fire Watch* shall:
 - Read and understand the Seattle Fire Department permit conditions, the *Marine Chemist* Certificate and the *SCP* report;
 - Have a clear view of and immediate access to all areas included in the *Fire Watch*;
 - Able to communicate with workers exposed to *hot work*;
 - Authorized to stop work if necessary and restore safe conditions within the *hot work* area;
 - Remain in the *hot work* area at least 30 minutes after the completion or interruption of *hot work* unless released in accordance with Section 5.8.2 of SFD Administrative Rule 26.01.14.
 - Trained to detect fires that occur in areas exposed to *hot work*;
 - Attempt to extinguish any *incipient stage fires* in the *hot work* area that are within the capability of available equipment and within the *Fire Watch's* training qualifications, as defined in OSHA 29 CFR 1915.508;
 - Alert employees of any fire beyond the incipient stage; and
 - Activate the *alarm* if unable to extinguish the *incipient stage fire* in the areas exposed to the *hot work*. [SFD Administrative Rule 26.01.14 Sec 5.5.4]
12. The *Fire Watch* shall have a clear view of, and immediate access to, each worker. [SFD Administrative Rule 26.01.14 Sec 5.5.6]
13. No more than four workers performing *hot work* shall be attended by a single *Fire Watch*. [SFD Administrative Rule 26.01.14 Sec 5.5.6]
14. If adjacent or blind compartments are involved in any hot work job, fire watches shall be posted simultaneously in each blind area. [SFD Administrative Rule 26.01.14 Sec 5.6]
15. One or more suitable fire extinguishers, as selected by the employer, repair supervisor or SCP, shall be kept at the location where hot work is being conducted. [SFD Administrative Rule 26.01.14 Sec 5.7.2]
16. A fire hose of not less than 5/8-inch diameter capable of delivering not less than 12 gallons per minute shall be laid out and charged in the vicinity of hot work operations. Such hose shall be of sufficient length to reach all areas within the compartment or space where hot work is being conducted. [SFD Administrative Rule 26.01.14 Sec 5.7.3]
17. A Shipyard Competent Person (SCP), is required to physically perform a visual inspection of all Level I and Level II hot work areas. A Shipyard Competent Person (SCP) is required to perform frequent testing and maintain safe conditions of each Level II hot work operation in accordance with 29 CFR 1915.14-15. [SFD Administrative Rule 26.01.14 Sec 5.8.1]
18. In order to maintain competency, all Shipyard competent Persons must complete an 8-hour-minimum SCP Refresher Course at least every two years. [SFD Administrative Rule 26.01.14 Sec 5.8.3]
19. A Marine Chemist's certificate shall be required prior to Level II hot work operations on any vessel and hot work in hazardous areas or compartments that are insulated with foam, contain or have contained flammable or combustible vapors, coatings, fuel oils, hydraulic oils, lube oil, waste oil or other petroleum

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products. All work requiring such a certificate shall be performed in accordance with certificate conditions and conditions of this permit. [SFD Administrative Rule 26.01.14 Sec 5.9]

20. Marine Chemist's Certificates shall be posted and maintained current. This permit is NULL and VOID if hot work is performed when a Marine Chemist's Certificate is required, but is not issued or current. [SFD Administrative Rule 26.01.14 Sec 5.9]
21. Hot work shall be separated from the storage of flammable liquids by not less than 100 feet, and separated from combustible liquids by not less than 35 feet unless specifically approved by a marine chemist. [SFD Administrative Rule 26.01.14 Sec 5.10]
22. Portable containers of flammable and combustible liquids shall be removed from the hot work area prior to commencement of hot work where practicable. [SFD Administrative Rule 26.01.14 Sec 5.10]
23. Hot work shall be separated from the storage of combustible material by not less than 35 feet unless certified safe for hot work by a marine chemist. [SFD Administrative Rule 26.01.14 Sec 5.10.2]
24. Hot work shall be separated from combustible surfaces (e.g. paneling) and worker areas by not less than 35 feet, or an intervening noncombustible shield or fire blanket shall be used, or the area certified safe for hot work by a marine chemist. [SFD Administrative Rule 26.01.14 Sec 5.10.2]
25. Flammable and combustible liquid use (other than transfer operations aboard the vessel on which the hot work is taking place) shall be prohibited during any hot work operations [SFD Administrative Rule 26.01.14 Sec 5.12(1)]
 - Exception:** Spray painting or the application of other flammable compounds if sufficient ventilation is provided to maintain the atmosphere at not more than 10 percent of the lower explosive limit as determined by a marine chemist or shipyard competent person. Monitoring of such areas shall be carried out by a shipyard competent person
26. Hot work is prohibited within 200 feet of use or transfer of flammable liquids or gases. [SFD Administrative Rule 26.01.14 Sec 5.12(2)]
27. Hot work is prohibited within 100 feet of combustible liquid use or transfer except transfer of Class III-B combustible liquids by means of a hose line shall be permitted within 50 feet of hot work operations. [SFD Administrative Rule 26.01.14 Sec 5.12(3)]
28. Use and transfer of hazardous materials other than those specified above is prohibited within 100 feet of hot work operations or within 50 feet when a fully closed intervening barrier exists. [SFD Administrative Rule 26.01.14 Sec 5.12(4)]
29. If hot work takes place on an area covered by combustible insulation, the foam shall be removed 36 inches in all directions. All foam dust, bits and pieces shall be removed from the vessel prior to commencement of hot work. [SFD Administrative Rule 26.01.14 Sec 6.2.2]
30. At least one 1-1/2 inch fire hose capable of delivering not less than 50 gallons per minute with a controllable nozzle shall be charged and available when hot work is being performed in areas where foam is present. Such hose shall be of sufficient length to reach all areas within the compartment or space being worked on and into immediately adjacent spaces. [SFD Administrative Rule 26.01.14 Sec 6.3.3]