

# SAFETY AUDIT CHECKLIST

## Fixed Extinguishing Systems – General

**Location:**

**Audited by:**

**Date:**

Check the box under Y for “yes” or N for “no” to determine if each item is within compliance.

**Y   N**

- ☐ ☐ 1. Are fixed extinguishing system components and agents designed and approved for use on the specific fire hazards they are expected to control or extinguish? 1910.160(b)(1)
- ☐ ☐ 2. If for any reason a fixed extinguishing system becomes inoperable, does the employer notify employees and take the necessary temporary precautions to assure their safety until the system is restored to operating order? 1910.160(b)(2)
- ☐ ☐ 3. Are any defects or impairments properly corrected by trained personnel? 1910.160(b)(2)
- ☐ ☐ 4. Does the employer provide a distinctive alarm or signaling system which complies with 1910.165 and is capable of being perceived above ambient noise or light levels, on all extinguishing systems in those portions of the workplace covered by the extinguishing system to indicate when the extinguishing system is discharging? (Note: Discharge alarms are not required on systems where discharge is immediately recognizable.) 1910.160(b)(3)
- ☐ ☐ 5. Does the employer provide effective safeguards to warn employees against entry into discharge areas where the atmosphere remains hazardous to employee safety or health? 1910.160(b)(4)
- ☐ ☐ 6. Does the employer post hazard warning or caution signs at the entrance to, and inside of, areas protected by fixed extinguishing systems which use agents in concentrations known to be hazardous to employee safety and health? 1910.160(b)(5)
- ☐ ☐ 7. Does the employer assure that fixed systems are inspected annually by a person knowledgeable in the design and function of the system to assure that the system is maintained in good operating condition? 1910.160(b)(6)
- ☐ ☐ 8. Does the employer assure that the weight and pressure of refillable containers is checked at least semi-annually? 1910.160(b)(7)

Y   N

- ☐ ☐ 9. If the container shows a loss in net content or weight of more than 5 percent, or a loss in pressure of more than 10 percent, is it subjected to maintenance? 1910.160(b)(7)
- ☐ ☐ 10. Does the employer assure that factory charged nonrefillable containers which have no means of pressure indication are weighed at least semi-annually? 1910.160(b)(8)
- ☐ ☐ 11. If a container shows a loss in net weight or more than 5 percent, is it replaced? 1910.160(b)(8)
- ☐ ☐ 12. Does the employer assure that inspection and maintenance dates are recorded on the container, on a tag attached to the container, or in a central location? 1910.160(b)(9)
- ☐ ☐ 13. Is a record of the last semi-annual check maintained until the container is checked again or for the life of the container, whichever is less? 1910.160(b)(9)
- ☐ ☐ 14. Does the employer train employees designated to inspect, maintain, operate, or repair fixed extinguishing systems and annually review their training to keep them up-to-date in the functions they are to perform? 1910.160(b)(10)
- ☐ ☐ 15. Does the employer not use chlorobromomethane or carbon tetrachloride as an extinguishing agent where employees may be exposed? 1910.160(b)(11)
- ☐ ☐ 16. Does the employer assure that systems installed in the presence of corrosive atmospheres are constructed of non-corrosive material or otherwise protected against corrosion? 1910.160(b)(12)
- ☐ ☐ 17. Is automatic detection equipment approved, installed and maintained in accordance with 1910.164? 1910.160(b)(13)
- ☐ ☐ 18. Does the employer assure that all systems designed for and installed in areas with climatic extremes operate effectively at the expected extreme temperatures? 1910.160(b)(14)

[illegible]

**Notes:**

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**Y**   **N**

**Comments:**

- ☐ ☐ 19. Does the employer assure that at least one manual station is provided for discharge activation of each fixed extinguishing system? 1910.160(b)(15)
- ☐ ☐ 20. Does the employer assure that manual operating devices are identified as to the hazard against which they will provide protection? 1910.160(b)(16)
- ☐ ☐ 21. Does the employer provide and assure the use of the personal protective equipment needed for immediate rescue of employees trapped in hazardous atmospheres created by an agent discharge? 1910.160(b)(17)
- ☐ ☐ 22. Does the employer provide an emergency action plan in accordance with 1910.38 for each area within a workplace that is protected by a total flooding system which provides agent concentrations exceeding the maximum safe levels? 1910.160(c)(1)
- ☐ ☐ 23. On all total flooding systems, does the employer provide a pre-discharge employee alarm which complies with 1910.165, and is capable of being perceived above ambient light or noise levels before the system discharges, which will give employees time to safely exit from the discharge area prior to system discharge? 1910.160(c)(3)
- ☐ ☐ 24. Does the employer provide automatic actuation of total flooding systems by means of an approved fire detection device installed and interconnected with a pre-discharge employee alarm system to give employees time to safely exit from the discharge area prior to system discharge? 1910.160(c)(4)

[illegible]

**Notes:**