SAFETY AUDIT CHECKLIST

Portable Fire Extinguishers

Location:

Audited by:

Date:

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

<u>Y</u> <u>N</u>

- □ □ 1. Has the employer provided portable fire extinguishers and are they mounted, located and identified so that they are readily accessible to employees without subjecting the employees to possible injury? 1910.157(c)(1)
- □ □ 2. Are only approved portable fire extinguishers used? 1910.157(c)(2)
- 3. Does the employer not provide or make available in the workplace portable fire extinguishers using carbon tetrachloride or chlorobromomethane extinguishing agents? 1910.157(c)(3)
- □ □ 4. Does the employer assure that portable fire extinguishers are maintained in a fully charged and operable condition and kept in their designated places at all times except during use? 1910.157(c)(4)
- □ □ 5. Does the employer remove from service all soldered or riveted shell self-generating soda acid or self-generating foam or gas cartridge water type portable fire extinguishers which are operated by inverting the extinguisher to rupture the cartridge or to initiate an uncontrollable pressure generating chemical reaction to expel the agent? 1910.157(c)(5)
- □ □ 6. Are portable fire extinguishers provided for employee use and selected and distributed based on the classes of anticipated workplace fires and on the size and degree of hazard which would affect their use? 1910.157(d)(1)
- □ □ 7. Does the employer distribute portable fire extinguishers for use by employees on Class A fires so that the travel distance for employees to any extinguisher is 75 feet (22.9 m) or less? 1910.157(d)(2)
- 8. Does the employer distribute portable fire extinguishers for use by employees on Class B fires so that the travel distance from the Class B hazard area to any extinguisher is 50 feet (15.2 m) or less? 1910.157(d)(4)

Notes:

<u>Y</u> <u>N</u>

- □ □
 9. Does the employer use uniformly spaced standpipe systems or hose stations connected to a sprinkler system installed for emergency use by employees instead of Class A portable fire extinguishers, provided that such systems meet the respective requirements of 1910.158 or 1910.159, that they provide total coverage of the area to be protected, and that employees are trained at least annually in their use? 1910.157(d)(3)
- 10. Does the employer distribute portable fire extinguishers used for Class C hazards on the basis of the appropriate pattern for the existing Class A or Class B hazards? 1910.157(d)(5)
- □ □ 11. Does the employer distribute portable fire extinguishers or other containers of Class D extinguishing agent for use by employees so that the travel distance from the combustible metal working area to any extinguishing agent is 75 feet (22.9 m) or less? 1910.157(d)(6)
- 12. Are portable fire extinguishers for Class D hazards required in those combustible metal working areas where combustible metal powders, flakes, shavings, or similarly sized products are generated at least once every 2 weeks? 1910.157(d)(6)

Inspection, maintenance and testing

- □ □ 13. Is the employer responsible for the inspection, maintenance and testing of all portable fire extinguishers in the work-place? 1910.157(e)(1)
- If portable extinguishers or hose are used are they visually inspected monthly? 1910.157(e)(2)
- □ □ 15. Does the employer assure that portable fire extinguishers are subjected to an annual maintenance check? 1910.157(e)(3)
- 16. Does the employer record the annual maintenance date and retain this record for one year after the last entry or the life of the shell, whichever is less?
 1910.157(e)(3)

Item # Repair Date

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- □ □ 17. Does the employer assure that stored pressure dry chemical extinguishers that require a 12-year hydrostatic test are emptied and subjected to applicable maintenance procedures every 6 years? (Note: Dry chemical extinguishers having nonrefillable disposable containers are exempt from this requirement.) 1910.157(e)(4)
- □ □ 18. When recharging or hydrostatic testing is performed, does the 6-year requirement begin from that date? 1910.157(e)(4)
- □ □ 19. Does the employer assure that alternate equivalent protection is provided when portable fire extinguishers are removed from service for maintenance and recharging? 1910.157(e)(5)

Hydrostatic testing

- 20. Does the employer assure that hydrostatic testing is performed by trained persons with suitable testing equipment and facilities? 1910.157(f)(1)
- 21. Does the employer assure that portable extinguishers are hydrostatically tested at the intervals listed in Table L-1 of this section, except when the unit has been repaired by soldering, welding, brazing, or use of patching compounds, when the cylinder or shell threads are damaged, when there is corrosion that has caused pitting, including corrosion under removable name plate assemblies, when the extinguisher has been burned in a fire or when a calcium chloride extinguishing agent has been used in a stainless steel shell? 1910.157(f)(2), (f)(2)(ii), (f)(2)(ii), (f)(2)(iii), (f)(2)(iv), (f)(2)(v)
- 22. In addition to an external visual examination, does the employer assure that an internal examination of cylinders and shells to be tested is made prior to the hydrostatic tests? 1910.157(f)(3)

<u>Y</u> <u>N</u>

- \square \square 23. Does the employer assure that portable fire extinguishers are hydrostatically tested whenever they show new evidence of corrosion or mechanical injury, except when the unit has been repaired by soldering, welding, brazing, or use of patching compounds, when the cylinder or shell threads are damaged, when there is corrosion that has caused pitting, including corrosion under removable name plate assemblies, when the extinguisher has been burned in a fire or when a calcium chloride extinguishing agent has been used in a stainless steel shell? 1910.157(f)(4) \Box \Box 24. Does the employer assure that hydrostatic tests are performed on extinguisher hose assemblies which are equipped with a shut-off nozzle at the discharge end of the hose? 1910.157(f)(5) \Box \Box 25. Is the test interval the same as specified for the extinguisher on which the hose is installed? 1910.157(f)(5) □ □ 26. Does the employer assure that carbon dioxide hose assemblies with a shut-off nozzle are hydrostatically tested at 1,250 psi (8,620 kPa)? 1910.157(f)(6) \Box \Box 27. Does the employer assure that dry chemical and dry powder hose assemblies with a shut-off nozzle are hydrostatically tested at 300 psi (2,070 kPa)? 1910.157(f)(7) □ □ 28. Do hose assemblies passing a hydrostatic test not require any type of recording or stamping? 1910.157(f)(8) \Box \Box 29. Does the employer assure that hose assemblies for carbon dioxide extinguishers that require a hydrostatic test are tested within a protective cage device? 1910.157(f)(9) \Box \Box 30. Does the employer assure that carbon
 - 30. Does the employer assure that carbon dioxide extinguishers and nitrogen or carbon dioxide cylinders used with wheeled extinguishers are tested every 5 years at 5/3 of the service pressure as stamped into the cylinder?(Note: Nitrogen cylinders which comply with 49 CFR 173.34(e)(15) may be hydrostatically tested every 10 years.) 1910.157(f)(10)

Notes:

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	30. Does the employer assure that all stored pressure and Halon 1211 types of extin- guishers are hydrostatically tested at the factory test pressure not to exceed 2 times the service pressure? 1910.157(f)(11)		37. Does the employer maintain and provide upon request to the Assistant Secretary evidence that the required hydrostatic test- ing of fire extinguishers has been per- formed at the time intervals shown in Table L-1? 1910.157(f)(16)		
	31. Does the employer assure that acceptable self-generating type soda acid and foam extinguishers are tested at 350 psi (2,410 kPa)? 1910.157(f)(12)		38. Is such evidence in the form of a certification record which includes the date of the test, the signature of the person who per-		
	32. Is air or gas pressure not used for hydro- static testing? 1910.157(f)(13)		formed the test and the serial number, or other identifier, of the fire extinguisher that was tested? $1910.157(f)(16)$	_	
	33. Are extinguisher shells, cylinders, or car- tridges which fail a hydrostatic pressure test, or which are not fit for testing removed from service and from the work- place? 1910.157(f)(14)		 38. Are such records kept until the extinguisher is hydrostatically retested at the time interval specified in Table L-1 or until the extinguisher is taken out of service, whichever comes first? 1910.157(f)(16) 		
	34. Is the equipment for testing compressed gas type cylinders of the water jacket	Training and education			
	 gas (ypc cylinders of the which junct type? 1910.157(f)(15)(i) 35. Is the equipment provided with an expansion indicator which operates with an accuracy within one percent of the total expansion or .1cc (.1mL) of liquid? 1910.157(f)(15)(i) 36. Does the equipment for testing non-com- 		39. Where the employer has provided portable fire extinguishers for employee use in the workplace, does the employer also provide an educational program to familiarize employees with the general principles of fire extinguisher use and the hazards involved with incipient stage fire fighting?		
pressed gas type cylinders consist of hydrostatic test pump, hand or power ated, capable of producing not less th 150 percent of the test pressure, whic shall include appropriate check valve fittings, a flexible connection for atta ment to fittings to test through the ex guisher nozzle, test bonnet, or hose o as is applicable and a protective cage barrier for personal protection of the	pressed gas type cylinders consist of a hydrostatic test pump, hand or power oper- ated, capable of producing not less than 150 percent of the test pressure, which shall include appropriate check valves and		 1910.157(g)(1) 40. Does the employer provide the education required in paragraph (g)(1) of this section upon initial employment and at least annually thereafter? 1910.157(g)(2) 		
	fittings, a flexible connection for attach- ment to fittings to test through the extin- guisher nozzle, test bonnet, or hose outlet, as is applicable and a protective cage or barrier for personal protection of the tester, designed to provide visual observation of		41. Does the employer provide employees who have been designated to use fire fighting equipment as part of an emer- gency action plan with training in the use of the appropriate equipment? 1910.157(g)(3)		
	1910.157(f)(15)(ii), (f)(15)(ii)(A), (f)(15)(ii)(A), (f)(15)(ii)(B) &		42. Does the employer provide the training required in paragraph (g)(3) of this section upon initial assignment to the designated group of employees and at least annually thereafter? 1910.157(g)(4)		

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