## Fixed Extinguishing Systems Checklist

### General requirements

- ☐ Are fixed extinguishing system components and agents provided that are designed and approved for use on the specific fire hazards that they are expected to control or extinguish? [1910.160(b)(1)]
- ☐ Are employees notified and assured their safety if a fixed extinguishing system becomes inoperable? Any defects or impairments must be fixed by trained personnel. [1910.160(b)(2)]
- ☐ Is a distinctive alarm or signaling system provided that complies with [1910.165] and is capable of being perceived above noise or light levels? Discharge alarms are not required on systems where discharge is immediately recognizable. [1910.160(b)(3)]
- ☐ Are employees warned against entry into discharge areas that remain hazardous to their health? [1910.160(b)(4)]
- ☐ Are warning signs posted at the entrance to, and inside of, areas protected by fixed extinguishing systems that use hazardous agents? [1910.160(b)(5)]
- ☐ Are fixed systems inspected annually and maintained in good operating condition? [1910.160(b)(6)]
- ☐ Are weight and pressure of refillable containers checked at least semi-annually? If the container shows a loss in net content, weight, or pressure, it must be subjected to maintenance. [1910.160(b)(7)]
- ☐ Are factory charged nonrefillable containers that have no means of pressure indication weighed at least semi-annually? The container must be replaced if it shows a loss in net weight or content exceeding 5 percent. [1910.160(b)(8)]
- ☐ Are inspection and maintenance dates recorded and kept until the container is checked again or for the life of the container, whichever is less? [1910.160(b)(9)]
- ☐ Are employees who inspect, maintain, operate, or fix extinguishing systems trained and subsequently given annual review, as appropriate? [1910.160(b)(10)]
- ☐ Is use of chlorobromomethane or carbon tetrachloride prohibited as an extinguishing agent where employees may be exposed? [1910.160(b)(11)]
- ☐ Are systems that are susceptible to corrosion constructed of non-corrosive material or otherwise protected? [1910.160(b)(12)]
- ☐ Is automatic detection equipment approved, installed and maintained in accordance with [1910.164]. [1910.160(b)(13)]
- ☐ Do all systems work properly in areas with extreme climates? [1910.160(b)(14)]
- ☐ Is at least one manual station provided to activate each fixed extinguishing system? [1910.160(b)(15)]
- ☐ Are the hazards identified for which manual operating devices provide protection? [1910.160(b)(16)]
- ☐ Is the use of personal protective equipment (PPE) provided and assured for rescuing employees trapped in areas that have become hazardous due to an agent discharge? [1910.160(b)(17)]

### Total Flooding System Requirements

- ☐ Is an emergency action plan provided in accordance with [1910.38] for each area within a workplace that is protected by a total flooding system? [1910.160(c)(1)] Systems installed in areas where employees cannot enter during or after the system's operation are exempt from the requirements of this section. [1910.160(c)(2)]
- ☐ Is a pre-discharge employee alarm on total flooding systems provided that complies with [1910.165], which is capable of being perceived above light or noise levels, and which gives employees time to safely exit the area before discharge? [1910.160(c)(3)]
- ☐ Are approved fire detection devices installed and connected to pre-discharge alarm systems, which automatically activate total flooding systems, and which permit employees to safely exit the area before the system discharges? [1910.160(c)(4)]