

**ST. JOHNS COUNTY FIRE RESCUE
CHECKLIST FOR
PRE – ENGINEERED WET CHEMICAL SUPPRESSION
SYSTEM FINALS**

All code references are to NFPA 17A, 2002 edition, unless otherwise noted.

- 1) Y _____ N _____ N/A _____
Approved “job copy” of the fire protection system plan & permit are provided and maintained on site. (FS 553.79 (1)) (**17A** 4-1)

- 2) Y _____ N _____ N/A _____
Contractor’s technician on scene shall produce a valid **“permit”** from the State Fire Marshal’s Office. (FAC 69A-21.103 (8))

- 3) Y _____ N _____ N/A _____
An **“inspection report”** which includes all items listed in “a” through “o” of FAC 4A-21.304 is provided, fully completed, and signed by the “permittee”. (For new systems a drawing is a required part of this documentation) One copy of the inspection report is provided to the owner. (FAC 4A-21.304 and 4-3.1) (FS 633.065 (1)(e))

- 4) Y _____ N _____ N/A _____
A new **“standard service tag”** is attached to the system, and **any previous tags have been removed.** (**17A**: 7.3.2.6)

- 5) Y _____ N _____ N/A _____
A copy of the manufacturer’s listed installation and maintenance manual OR listed **owner’s manual** has been provided to the owner. (**17A**: 6.4.4)

- 6) Y _____ N _____ N/A _____
A signal is provided to show the system has operated. (**17A**: 5.2.1.8)

- 7) Y _____ N _____ N/A _____
A minimum of **one pull station is provided; in the path of egress**; located <4 feet above the floor. (**17A**: 5.2.1.10)

- 8) Y _____ N _____ N/A _____
Wet chemical **containers and expellent gas assemblies** are **located** in an environment with temperature ratings **within manufacturer’s listed temperature ranges.** (**17A**: 5.4.1)

- 9) Y _____ N _____ N/A _____
Manual activation devices are identified as to the hazard they protect. (**17A**: 4.4.2.5) (**96**:10.5.1)

- 10) Y _____ N _____ N/A _____
Wet chemical **containers and expellent gas assemblies** are **located** where they are **not subject to damage**. (17A: 5.4.3)
- 11) Y _____ N _____ N/A _____
Containers shall be accessible for inspection, maintenance and recharge. (17A: 5.4.5)
- 12) Y _____ N _____ N/A _____
Nozzles are connected and secured such that they will not be readily put out of alignment. (17A: 5.5.2)
- 13) Y _____ N _____ N/A _____
Discharge nozzles are provided with a listed cap or other suitable device to prevent entrance of grease vapors or moisture. (17A: 4.3.1.5)
- 14) Y _____ N _____ N/A _____
If suppression system protects more than one hood it complies with section 5.1.5. See NFPA 17A: 3-6 for requirements. (17A: 5.6.1)
- 15) Y _____ N _____ N/A _____
At least **one fusible link or heat detector** is provided **above each cooking appliance** (or group of appliances protected by a single nozzle.) (17A: 5.6.1.6)
- 16) Y _____ N _____ N/A _____
All **piping is non-combustible** and **no galvanized piping** is used. (17A: 4.5.1)
(17A: 4.5.2)
- 17) Y _____ N _____ N/A _____
Listed devices **seal all piping and conduit penetrations** of hood. (17A: 5.6.1.7)
- 18) Y _____ N _____ N/A _____
Power / fuel shut offs – All electric power or fuel to cooking appliances under the hood shall be shut down when the system is activated. (17A:4.4.3.1) (96: 10.4.1)
- 19) Y _____ N _____ N/A _____
Electrical connections (such as for fuel shut offs) shall **NOT be made in the control head or mechanical release cabinet**. (They should be in a separate junction box.) (*Installation of these connectors inside the control head or mechanical release cabinet subjects them to mechanical damage when control mechanisms operate.*) (17A: 2-7.1) (NFPA 70) (FS 633.065 (1) (c))

- 20) Y _____ N _____ N/A _____
Direct power connections for make up air fans or appliances **are not connected directly to system micro-switches.** (*They are for control voltage only.*) (NFPA 70) (FS 633.065 (1) (c))
- 21) Y _____ N _____ N/A _____
Make-up air fans that are integral to the hood SHALL shut down upon system activation, unless listed otherwise. **Exhaust fans SHALL continue to operate after system activation.** Non-integral make up air may continue to operate after activation. (96: 8.3.2)
- 22) Y _____ N _____ N/A _____
If building or area is provided with a fire alarm, **activation of the system shall activate the fire alarm system.** (17A: 5.2.1.9)
- 23) Y _____ N _____ N/A _____
The LAST detector in a line is tested by replacing with a test link and cutting link. *Note: This requirement is normally found in the manufacturer's installation manual.* (17A: 4-3, FS 633.065 (1) (c))
- 24) Y _____ N _____ N/A _____
A "puff test" or other process is performed to verify that the system piping and nozzles are free and clear of any obstructions. *Note: Procedures for this or a similar test are normally found in the manufacturer's installation manual. Test discharge of wet chemical is NOT required by this agency.*(FS 633.065 (1) (c), 17A: 4-3)
- 25) Y _____ N _____ N/A _____
All detector (fusible link assembly) brackets are secured on both sides, not one. *Note: This requirement is normally found in the manufacturer's installation manual. See Ansul R-102 manual, page 5-8, figure 16 for one example. The installer is required by statute to install the system in accordance with manufacturer's instructions.* (FS 633.065 (1) (c) NFPA 96: 7-2.2.1)
- 26) Y _____ N _____ N/A _____
Class K fire extinguisher is mounted within 30 feet of the cooking equipment and is equipped with a sign (NFPA 10: 10.2.2 and 96:7-2.1.1) telling users to activate fixed suppression system prior to use of extinguisher. (NFPA 1, 7-6.3.7; NFPA 10, 3-7)