# **State of Kansas Suppression Accetance Record**

Department of Administration, OFPM-DCC

This is not an approval of compliance to contract documents. The Project Architect/Engineer has primary responsibility for inspection to determine compliance with the contract documents. This is not a work directive or authorization. Contractor is to coordinate solution of deficiency with Project Architect/Engineer and to correct all noted deficiencies as directed by Project Architect/Engineer.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Inspection Date:**  | Click here to enter a date. | **Inspector:** |  Select |  |
| **Project Number:** | Click here to enter text. |  | **Project Name:** |  Click here to enter text. |
| **Riser Name / Location:** Click here to enter text. |
|  **New** [ ]  **Existing Modification** [ ]  |
| **DCC A/E:** |   |  **Agency:** |  Select |  |
| **D = Deficiency (see notes) A = Accepted DC = Deficiency Corrected**  |

**Sprinkler System: D A DC**

Documentation Installer paperwork is present and current. A copy is provided to the inspector [ ]  [ ]  [ ]

Instructions Provided to property owner or authorized representative with the following: [ ]  [ ]  [ ]

Standpipe Hydraulic Sign Shall be verified that it is provided, attached securely, and legible. [ ]  [ ]  [ ]

Hydraulic Design Sign Sign shall be provided & attached securely to the sprinkler riser, and is legible [ ]  [ ]  [ ]

Signage Metal or rigid plastic at riser for antifreeze loop, dry system, preaction system, or auxiliary [ ]  [ ]  [ ]

Control Valves Shall be identified and have a sign indicating the system or portion of the system it controls [ ]  [ ]  [ ]

Riser Valve Location Shall be identified at the system riser or other approved location. [ ]  [ ]  [ ]

Main Drain Valves Shall be opened and remain open [ ]  [ ]  [ ]

Hydrostatic Test Not less than 200 psi pressure for 2 hours, or at 50 psi in excess of the maximum pressure [ ]  [ ]  [ ]

Backflow Prevention Assembly Shall be forward flow tested to ensure proper operation. [ ]  [ ]  [ ]

Water Flow Alarm Device Including but not limited to water motor gongs, vane-type and pressure switch-type shall be provided [ ]  [ ]  [ ]

Gauges Gauges not accurate within 3% of the full scale shall be replaced. [ ]  [ ]  [ ]

Accessibility System is Accessible for inspection testing & maintenance [ ]  [ ]  [ ]

Freeze protection Water filled piping is maintained at minimum of 40 degrees F [ ]  [ ]  [ ]

Sprinklers Shows no signs of leakage, corrosion, physical damage, loading, painted etc. [ ]  [ ]  [ ]

Sprinkler Obstruction Clearance between the deflector and the top of storage shall be 18 in. or greater [ ]  [ ]  [ ]

Spare Sprinklers A supply of 6 for 300 sprinklers, 12 for 300-1000 sprinklers & 24 for over 1000 sprinklers [ ]  [ ]  [ ]

Sprinkler Wrench One sprinkler wrench specified by sprinkler MFG shall be provided for each type of sprinkler installed [ ]  [ ]  [ ]

Sprinkler Cabinet Shall be kept in a cabinet located where the temperature at no time exceeds 100°F [ ]  [ ]  [ ]

Piping & Fitting Shall not be subjected to external loads by materials either resting on the pipe or hung from the pipe. [ ]  [ ]  [ ]

Protective Coverings Spray areas & mixing rooms application areas. (cellophane bags of 0.003 in.or less or thin paper bags. [ ]  [ ]  [ ]

Fire Dept Connection Visible, accessible, rotate smoothly, plugs & caps in place, not leaking, signs in place, etc. [ ]  [ ]  [ ]

**Standpipe : D A DC**

Documentation Installer paperwork is present and current. A copy is provided to Inspector [ ]  [ ]  [ ]

Instructions Shall provide the owner with All literature and instructions provided by the manufacturer describing the [ ]  [ ]  [ ]

 operation and maintenance of equipment and devices installed. A copy of the current edition of NFPA 25,

 Standard for the Inspection,Testing,and MaintenanceofWater-BasedFireProtection Systems

Test Reports, and Manuals Shall be provided to the building owner [ ]  [ ]  [ ]

Signs The installation of signs required by this standard shall be verified. [ ]  [ ]  [ ]

Standpipe Piping Shall show no leakage [ ]  [ ]  [ ]

Hydrostatic Test Systems, yard piping and FDC, tested 200 psi for 2 hours or 50 psi max pressure is in excess of 150 psi. [ ]  [ ]  [ ]

Freezing No portion of the piping is subject to freezing during cold weather. [ ]  [ ]  [ ]

Gauges During hydrostatic test, pressure gauge at top of each standpipe shall be observed and pressure recorded. [ ]  [ ]  [ ]

**Standpipe (cont): D A DC**

Water Additives Additives, corrosive chemicals such as sodium silicate or derivatives of sodium silicate, brine, or other [ ]  [ ]  [ ]

 chemicals shall not be used while hydrostatically testing systems or for stopping leaks

Flow Test Standpipe system shall be tested to verify system demand [ ]  [ ]  [ ]

Flow Test Manual Standpipe For a manual standpipe, a fire department pumper or portable pump of a capacity to provide required [ ]  [ ]  [ ]

 flow and pressure shall be used to verify the system design by pumping into the fire department connection.

Backflow Prevention Device Forward flow tested to ensure proper operation. The minimum flow rate shall be the system demand [ ]  [ ]  [ ]

SuctionTanks Verified by shutting down supplies to tank, drain tank below designated low water level, and then opening [ ]  [ ]  [ ]

 the supply valve to ensure operation of its automatic features

Pressure Regulating Device Device is operating, and inlet and outlet pressures and flow at the device are in accordance with the design [ ]  [ ]  [ ]

Main Drain Flow Main drain valve shall be opened and shall remain open until the system pressure stabilizes [ ]  [ ]  [ ]

Manual Main Drain Flow Not required for manual systems that do not have a permanently attached water supply [ ]  [ ]  [ ]

Manual Valve Manually opened or closed by turning handwheel or wrench to full range and returning to normal position. [ ]  [ ]  [ ]

Hose Valve Caps Tightened to avoid leaking during the test and removed after the test to drain water and relieve pressure. [ ]  [ ]  [ ]

Alarm & Supervision Device shall be tested in accordance with NFPA72, and operational [ ]  [ ]  [ ]

**Clean Agent D A DC**

Documentation Installer paperwork is present and current. A copy is provided to the inspector [ ]  [ ]  [ ]

Storage Container Arrangement Inspection, testing, recharging & maintenance are not obstructed [ ]  [ ]  [ ]

Storage Container Secured Secured according to MFG listed installation manual and is convenient for servicing [ ]  [ ]  [ ]

Storage Container Environment Protected from Chemical damage, exposure to chemicals or harsh weather [ ]  [ ]  [ ]

Enclosure Integrity Enclosure shall not have any penetrations that would allow agent to escape [ ]  [ ]  [ ]

Training Personnel working in enclosure shall receive training regarding agent safety issues [ ]  [ ]  [ ]

Piping Distribution Shall be inspected to determine that it is in compliance with the design and installation documents. [ ]  [ ]  [ ]

Nozzle & Pipe Size Nozzles and pipe size shall be in accordance with system drawing [ ]  [ ]  [ ]

Piping joints & Supports Shall be securely fastened to prevent unacceptable vertical or lateral movement during discharge [ ]  [ ]  [ ]

Discharge Nozzle Agent shall not directly impinge on personnel normal work area [ ]  [ ]  [ ]

Nozzle Direction Shall not impinge on any loose objects or shelves, cabinet tops, or similar surfaces where loose objects [ ]  [ ]  [ ]

 could be present and become missiles.

 Control Panel Verify that the control panel is connected to a dedicated circuit and labeled properly. This panel shall be [ ]  [ ]  [ ]

Readily accessible, yet restricted from unauthorized personnel.

Raised or Sunken Floor Shall be protected with agent and provided with smoke detectors, piping network, and nozzles [ ]  [ ]  [ ]

Smoke Detection Ceiling Cross zoned smoke detectors are provided [ ]  [ ]  [ ]

HVAC Shall be shut down or closed automatically [ ]  [ ]  [ ]

Signage Warning and instruction signs at entrances to and inside protected areas shall be provided [ ]  [ ]  [ ]

Pre-discharge Alarm Shall be provided within the protected area of occupiable space [ ]  [ ]  [ ]

Abort Switches Where provided, located within the protected area and located near the means of egress for the area [ ]  [ ]  [ ]

 Type that requires constant manual pressure to cause abort

Disconnect Switch Unwanted discharge of electrically actuated system, a supervised disconnect switch shall be provided [ ]  [ ]  [ ]

**Kitchen Hood D A DC**

Cooking Systems Shall be a type recognized for protection of commercial cooking equipment [ ]  [ ]  [ ]

Audible/Visual Indicator Shall be provided to show system has operated, personnel response is needed, and is in need of recharge. [ ]  [ ]  [ ]

Manual Pull Station Located at or near means of egress. 10-20’ from kitchen exhaust. 42-48” above floor. [ ]  [ ]  [ ]

Fuel/Electrical Shutoff Actuation shall shut down fuel or electrical supply. Reset shall be manually. [ ]  [x]  [ ]

Fire Extinguisher K-Class Along path of egress and located within 30’ of kitchen equipment [ ]  [ ]  [ ]

System Location Controllers, containers, and expellant gas assembly, free from damage, high Temps, and accessible. [ ]  [ ]  [ ]

Discharge Nozzles Protected from grease vapors and moisture with a cap. Positioned correctly over the appliance [ ]  [ ]  [ ]

Piping Non combustible. 3/8 in diameter. Secured, piping may have chrome sleeve [ ]  [ ]  [ ]

Penetrations All piping and conduit penetrations are sealed [ ]  [ ]  [ ]

**Kitchen Hood (cont) D A DC**

Fire alarm If present shall be tied in for alarm and notification [ ]  [ ]  [ ]

Fusible Link/Heat Detector Shall be located above each appliance [ ]  [ ]  [ ]

Hood All welds shall be liquid tight continuous external weld [ ]  [ ]  [ ]

**Fire Pump D A DC**

Pump Room There is room for inspection, service, repair or replacement. [ ]  [ ]  [ ]

Indoor Fire Pump Indoor pumps separated from all other areas of bldg. by 2 hour rating, 1-hr if protected by sprinkler system [ ]  [ ]  [ ]

Outdoor Fire Pump In a bldg. other than that bldg. being protected it is located 50 feet away from protected bldg [ ]  [ ]  [ ]

Electric Ambient Temp 40 Degrees temperature required [ ]  [ ]  [ ]

Hydrostatic Test Piping tested at 200 psi or 50psi above maximum system pressure whichever is greater [ ]  [ ]  [ ]

Electric Wiring Including control wiring, emergency supply been checked by electrical contractor [ ]  [ ]  [ ]

Flow Test Copy of MFG pump test is available [ ]  [ ]  [ ]

Equipment/Gauges All equipment and gauges have calibrated and bear a label [ ]  [ ]  [ ]

Damage No vibration that could potentially damage any fire pump component [ ]  [ ]  [ ]

Overheating Fire pump performed at all conditions without objectionable overheating [ ]  [ ]  [ ]

Governor Set to properly regulate the engine speed at rated pump speed [ ]  [ ]  [ ]

Water Level Detection Shall be required for all vertical turbine pumps installed in wells for suction pressure [ ]  [ ]  [ ]

Normal/Emergency Lighting Pump room/house provided with normal and emergency lighting [ ]  [ ]  [ ]

Ventilated Pump room / house adequately ventilated [ ]  [ ]  [ ]

Floor Floor is pitched toward drain [ ]  [ ]  [ ]

Guards Provided for flexible couplings and flexible connecting shafts [ ]  [ ]  [ ]

Baseplate Securely attached to concrete foundation [ ]  [ ]  [ ]

Reducer Reducer at pump intake is eccentric and installed with flat side up [ ]  [ ]  [ ]

Bypass At least the size of the discharge pipe is provided if suction supply is of sufficient pressure w/o pump [ ]  [ ]  [ ]

Listed Indicating Type Valve Are on each side of the check valve in the bypass and are normally open [ ]  [ ]  [ ]

Gauges A 3-1/2” gauge of at least 200 psi and twice the working pressure of the pump near discharge casing [ ]  [ ]  [ ]

Discharge Piping Properly sized. (5” for 500 gpm, 750 or 1000 gpm)(8” for 1250 or 1500 gpm)(10” for 2000 or 2500 gpm) [ ]  [ ]  [ ]

Check Valve Provided between the discharge valve and the pump [ ]  [ ]  [ ]

Relief Valve provided if pump is diesel driven or if churn pressure can exceed rating of system components [ ]  [ ]  [ ]

Test Header Proper size (4” for 500 gpm)(6” for 750 and 1000 gpm)(8” for up to 2500 gpm)(10” for 2500 gpm) [ ]  [ ]  [ ]

Hose Valves 2-1/2” is provided on test header (2 for 500 gpm)(3 for 750 gpm)(4 for 1000 gpm)(6 for up to 2500 gpm) [ ]  [ ]  [ ]

Drain Valve Located at a low point of the test header pipe between the normally closed test header valve and test header [ ]  [ ]  [ ]

Sensing Lines No shut off valves in the sensing lines [ ]  [ ]  [ ]

 Both sensing lines are ½” brass, copper, or series 300 stainless steel piping, tube, and fittings

 Sensing lines both tap the discharge pipes between the check valve and the discharge control

 valve of the pumps they respectively serve

NOTES

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