# **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.

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| **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.

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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