SPRINKLER SYSTEM

MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING

CITY OF WAYNESBORO, BUILDING & ZONING DEPARTMENT

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship or failure to comply with approving authority's requirements or local ordinances.

A.) PROPERTY INFORMATION:

Name and Description of Property: _____

Address: _____

Name of property representative: _____

Address: _____

Phone #: _____ Fax #: _____

E-mail Address: _____

B.) PLANS:

Accepted by approving authorities (names): _____

Address: _____

Phone #: _____ Fax #: _____

E-mail Address: _____

Installation conforms to accepted plans? ❑ Yes ❑ No

Equipment used is approved? ❑ Yes ❑ No If no, explain deviations: _____

_____

C.) INSTRUCTIONS:

Has person in charge of fire equipment been instructed as to location of control valves and care and maintenance of this new equipment? ❑ Yes ❑ No

If no, explain: _____

_____

Have copies of the following been left on the premises?

System components instructions? ❑ Yes ❑ No

Care and maintenance instructions? ❑ Yes ❑ No

NFPA 25? ❑ Yes ❑ No

D.) SPRINKLERS:

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUALITY	TEMPERATURE RATING

E.) PIPE AND FITTINGS:

Type of pipe: _____

Type of fittings: _____

F.) ALARM VALVE OR FLOW INDICATOR:

ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST CONNECTION	
TYPE	MAKE	MODEL	MINUTES	SECONDS

G.) DRY PIPE OPERATING TEST:

DRY VALVE				Q.O.D.				
MAKE		MODEL	SERIAL NO.	MAKE	MODEL		SERIAL NO.	
	TIME TO TRIP THROUGH TEST CONNECTION *		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIRE PRESSURE	TIME WATER REACHED TEST OUTLET*		ALARM OPERATED PROPERLY	
	MINUTES	SECONDS	psi	psi	psi	MINUTES	SECONDS	YES	NO
WITHOUT Q.O.D.									
WITH Q.O.D.									
If no, explain:									

***** Measured from the time inspector's test connection is opened

H.) DELUGE AND PREACTION VALVES:

Operation: ❑ Pneumatic ❑ Electric ❑ Hydraulic

Piping supervised? ❑ Yes ❑ No Detecting media supervised? ❑ Yes ❑ No

Does valve operate from the manual trip, remote or both control stations? _____

Is there an accessible facility in each circuit for testing? ❑ Yes ❑ No

If no, explain: _____

MAKE	MODEL	DOES EACH CIRCUIT OPERATE SUPERVISION LOSS ALARM?		DOES EACH CIRCUIT OPERATE VALVE RELEASE?		MAXIMUM TIME TO OPERATE RELEASE	
		YES	NO	YES	NO	MINUTES	SECONDS

I.) PRESSURE-REDUCING VALVE TEST:

LOCATION AND FLOOR	MAKE AND MODEL	SETTING	STATIC PRESSURE		RESIDUAL PRESSURE (FLOWING)		FLOW RATE
			INLET (psi)	OUTLET (psi)	INLET (psi)	OUTLET (psi)	FLOW (gpm)

J.) TEST DESCRIPTION:

Hydrostatic: Hydrostatic tests shall be made at not less than 200 psi (13.6 bar) for 2 hours or 50 psi (3.4 bar) above static pressure in excess of 150 psi (10.2 bar) for 2 hours. Differential dry-pipe valve clappers shall be left open during the test to prevent damage. All aboveground piping leakage shall be stopped.

Pneumatic: Establish 40 psi (2.7 bar) air pressure and measure drop, which shall not exceed 1 ½ psi (0.1 bar) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop, which shall not exceed 1 ½ psi (0.1 bar) in 24 hours.

K.) TESTS:

All piping hydrostatically tested at _____ psi (_____ bar) for _____ hours.

Dry piping pneumatically tested? ❑ Yes ❑ No If no, state reason: _____

Equipment operates properly? ❑ Yes ❑ No If no, state reason: _____

Do you certify as the sprinkler contractor that additives and corrosive chemicals, sodium silicate or derivatives of sodium silicate, brine or other corrosive chemicals were not used for testing systems or stopping leaks? ❑ Yes ❑ No

Reading of gauge located near water supply test connection: _____ psi (_____ bar)

Residual pressure with valve in test connection open wide: _____ psi (_____ bar)

Underground mains and lead-in connections to system risers flushed before connection made to sprinkler piping verified by a copy of the "Contractor's Material and Test Certificate for Underground Piping"? ❑ Yes ❑ No ❑ Other:_____

If no, explain: _____

Flushed by installer of underground sprinkler piping? ❑ Yes ❑ No ❑ Other: _____

If no, explain: _____

L.) BLANK TESTING GASKETS:

Number used: _____ Locations: _____ Number removed: _____

M.) WELDING:

Weld piping? ❑ Yes ❑ No

Do you certify as the sprinkler contractor that welding procedures comply with the requirements of at least AWS B2.1?
❑ Yes ❑ No

Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS B2.1?
❑ Yes ❑ No

Do you certify that the welding was carried out in compliance with a documented quality control procedure to ensure that all discs are retrieved, that openings in piping are smooth, that slag and other welding residue are removed and that the internal diameters of piping are not penetrated?
❑ Yes ❑ No

N.) CUTOUTS (DISCS):

Do you certify that you have a control feature to ensure that all cutouts (discs) are retrieved? ❑ Yes ❑ No

O.) HYDRAULIC DATA NAMEPLATE:

Nameplate provided? ❑ Yes ❑ No If no, explain: _____

P.) REMARKS:

Date left in service with all control valves open: _____

Additional comments and notes: _____

_____

_____

_____

Q.) SIGNATURES:

Sprinkler contractor: _____ _____
Date

Tests witnessed by: _____ _____
For property owner (signature) Title Date

Tests witnessed by: _____ _____
For sprinkler contractor (signature) Title Date