CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR ABOVEGROUND PIPING

Standpipe System NFPA 14

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 the system left in service before the 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 that the owner's representative's signature in no way prejudices any claim against the contractor for faulty material, poor workmanship, or failure to comply with the approving authority's requirements or local ordinances.

Property name	Date	
Property address		
	Accepted by approving authorities (names)	
Plans	Address	
rians	Installation conforms to accepted plans? Equipment used is approved or listed? If no, explain deviations.	
Type of System	□ Automatic dry □ Automatic wet □ Semiautomatic dry □ Manual dry □ Manual wet □ Combination standpipe/sprinkler If other, explain	
Water Supply Data Used for Design and As Shown on Plans	Fire pump data Manufacturer Model Type: □ Electric □ Diesel □ Other (explain) Rated, gpm Rated, psi Shutoff, psi	
Water Supply Source Capacity, Gallons	□ Public waterworks system (gal) □ Storage tank (gal) □ Gravity tank (gal) □ Open reservoir ((gal
If Public Waterworks System:	Static, psi Residual, psi Flow, gpm	
Have Copies of the Following Been Provided to the Owner or Owner's Representative?	□ System components instructions □ Care and maintenance of system □ NFPA 25 □ Copy of accepted plans □ Hydraulic data/calculations	
Supplies Building(s)	Main waterflow shutoff location	
Valve Supervision	□ Locked open □ Sealed and tagged □ Tamperproof switch □ Other If other, explain.	
Pipe and Fittings	Type of pipe Type of fittings	
Hose Threads	Hose threads have been verfied for compliance with local fire department ☐ Yes ☐ No	
Backflow Preventor	□ Double check assembly □ Reduced-pressure device Make and model	

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Туре	Size Make			Model				
2								
8								
		_						
5								
Time to trip through remote	e hose valve	Min	-	Sec	Water pressure	Air pressure	-2	
Time water reached remote						/iii produite		
Alarm operated properly?	☐ Yes	□ No If no.	explain.					
	24.00	10100						
Time water reached remot	racerson in	Min		Sec				
Hydraulic activation Electric activation	☐ Yes							
	☐ Yes							
Pneumatic activation	☐ Yes							
Make and model of activati								
Each activation device test	ed? 🗅 Yes	□ No If no.	explain.					
Each activation device ope	Each activation device operated properly? Yes No If no, explain. PRESSURE-REGULATING DEVICE							
			Nonflo	wing (psi)	Flowing (psi)		
Location & Floor	Model		nlet		outlet Inlet	Outlet	gpm	
		_		-				
				+				
All book values as suctors	enerated aver a too	DV	Ne "				1	
All hose valves on system	operated property?	□ Yes □	No Ifr	io, explair	1.			

Test	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 test to prevent damage. All aboveground piping leakage shall be stopped.						
Description	Pneumatic: Establish 40 psi (2.7 bar) air pressure and measure drop, which shall not exceed 1½ 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 1½ psi (0.1 bar) in 24 hours.						
	Hydrostatic Test — Pressure at top of standpipe(s)						
	STP# Pressure (psi) (bar) STP# _		Pressure	(psi) (ba	ır)		
	STP# Pressure (psi) (bar) STP# _				ır)		
	STP# Pressure (psi) (bar) STP# _		Pressure	(psi) (ba	ır)		
	All piping hydrostatically tested at psi (bar) for Dry piping pneumatically tested?	56 65		•			
Tests	Do you certify as the standpipe contractor that additives and consodium silicate, or derivatives of sodium silicate, brine, or other were not used for testing systems or stopping leaks?						
	Drain test Reading of gauge located near water supply test connection psi (Residual pressure wit connection open wide		psi (bar)		
	Underground mains and lead-in connections to system risers flu	shed be	fore connection made	e to standpipe pipi	na.		
	Verified by copy of the underground test form? □ Yes			lain)	_		
	Flushed by installer of underground standpipe piping? Yes			/			
SOUR CONTRACTION	Flow water from the hydraulically most remote standpipe outlet(s).		Name di secolo			
Flow Test	Record: Static pressure: psi (bar) Residual press Pitot pressure: psi (bar) Total flow: gpm (psi (bar) min)	Nozzie diameter:	in. (cm)		
Blank Testing	Number used Locations		,	Number rer	moved		
	Welded piping ☐ Yes ☐ No			_ Number ref	noveu		
	If yes						
	Do you certify as the standpipe contractor that welding procedures comply with the requirements ☐ Yes ☐ No of at least AWS D10.9, Level AR-3?						
Welding	Do you certify that the welding was performed by welders qualified in compliance with the requirements of at least AWS D10.9, Level AR-3?						
	Do you certify that 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?						
Cutouts (Discs)	Do you certify that you have a control feature to ensure that all	cutouts (discs) are retrieved?	☐ Yes	□ No		
Hydraulic Data Nameplate	Nameplate provided? ☐ Yes ☐ No ☐ If no, explain	1					
Remarks	Date left in service with all control valves open:						
Name of	Name of contractor						
Sprinkler/	Address						
Standpipe Contractor	State license number (if applicable)				<u></u>		
System	Property owner	Title		Date			
Operating Test	Sprinkler/standpipe contractor	Title					
Witnessed by	Approving authorities	Title			2		
Additional Explanation and Notes							
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Contractor's Material and Test Certificate for Underground Piping							
	f work, inspection and tests shall be made by the contractor's repres defects shall be corrected and system left in service before contractor						
contractor. It is und	e filled out and signed by both representatives. Copies shall be prederstood the owner's representative's signature in no way prejudices ilure to comply with approving authority's requirements or local ordin	any claim against contractor fo		oor			
Property name		Date					
Property address							
	Accepted by approving authorities (names)						
	Address						
Plans	Installation conforms to accepted plans		Yes	☐ No			
	Equipment used is approved If no, state deviations		Yes	☐ No			
	Has person in charge of fire equipment been instructed as to local control valves and care and maintenance of this new equipment? If no, explain	tion of	☐ Yes	☐ No			
Instructions	Have copies of appropriate instructions and care and maintenance charts been provided to the owner or owner's representative? If no, explain	9	Yes	☐ No			
Location	Supplies buildings						
	Pipe types and class	Type joint					
Underground pipes and joints	Pipe conforms to standard Fittings conform to standard If no, explain		Yes Yes	☐ No ☐ No			
	Joints needing anchorage clamped, strapped, or blocked in accordance with standard If no, explain		Yes	☐ No			
Test description	Flushing: Flow the required rate until water is verified to be clear of debris at outlets such as hydrants and blow-offs. Flush at one of the flow rates as specified in 10.10.2.1.3 of NFPA 24. Hydrostatic: All piping and attached appurtenances subjected to system working pressure shall be hydrostatically tested at 200 psi (13.8 bar) or 50 psi (3.4 bar) in excess of the system working pressure, whichever is greater, and shall maintain that pressure ± 5 psi (0.34 bar) for 2 hours. Hydrostatic Testing Allowance: Where additional water is added to the system to maintain the test pressures required by 10.10.2.2.1 of NFPA 24, the amount of water shall be measured and shall not exceed the limits of the following equation (for metric equation, see 10.10.2.2.6 of NFPA 24): $L = \frac{SD\sqrt{P}}{148,000}$ $L = \text{testing allowance (makeup water), in gallons per hour (lpm)}$ $S = \text{length of pipe tested, in feet (m)}$ $D = \text{nominal diameter of the pipe, in inches (mm)}$ $P = \text{average test pressure during the hydrostatic test, in pounds per square inch (gauge) (bar)}$						
Flushing tests	New underground piping flushed according to standard by (company) If no, explain		Yes	☐ No			
	How flushing flow was obtained Public water Tank or reservoir Fire pump	Through what type opening Hydrant butt	Open p	pe			
	Lead-ins flushed according to standard b If no, explain	y (company)	Yes	☐ No			
	How flushing flow was obtained Public water Tank or reservoir Fire pump	Through what type opening Y connection to flange and spigot	TO 100 MARCH 114 AND 114	pe			
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Hydrostatic test	All new underground piping h				Joints covered	☐ No		
test	psi (bar)	101	nours		Tes	1100		
	Total amount of leakage meas	sured						
Leakage	gallons	(liters)	hours					
test	Allowable leakage							
	gallons	(liters)	hours					
Forward flow	Forward flow test performed in	accordance with 10.1	10.2.5.2 of NFPA 24:					
test of backflow preventer					Yes	☐ No		
	Number installed	Type and make		All operate	e satisfactorily			
Hydrants	100 PM 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Yes	☐ No		
	Water control valves left wide If no, state reason	open			Yes	☐ No		
Control valves								
	Hose threads of fire departme those of fire department answ	nt connections and hy ering alarm	drants interchangeable with		Yes	☐ No		
	Date left in service							
Remarks								
	Name of installing contractor							
		Te	sts witnessed by					
Signatures	For property owner (signed)		Title		Date			
	For installing contractor (signe	ed)	Title		Date			
Additional explana	tion and notes							
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