Form for Inspection, Testing and Maintenance of



Wet Pipe Fire Sprinkler Systems Work Order: This form covers the minimum requirements of NFPA 25 - 2011 for wet pipe fire sprinkler systems connected to water supplies without tanks or fire pumps. Separate forms are available for inspection, testing and maintenance of fire pumps, tanks, and other fire protection systems. More frequent inspection, testing and maintenance may be necessary depending on the conditions of the occupancy and the water supply. The work covered on this form is (check one): Weekly Monthly Ouarterly Annual Semi-annual Third Year Fifth Year Owner's Phone Number: Owner: Owner's Address: Property Being Evaluated: Property Address: Date of Work: All responses refer to the current work (inspection, testing and maintenance) performed on this date. Notes: 1) All questions are to be answered Yes, No, or Not Applicable. All "No" answers are to be explained in Part III of this form. 2) Inspection, Testing and Maintenance are to be performed with water supplies (including fire pumps) in service, unless the impairment procedures of Chapter 15 of NFPA 25 are followed. Part I – Owner's Section 3. Quarterly Inspection Items (continued) Yes No c. Alarm & supervisory devices not damaged? A. Is the building occupied? Yes No N/A B. Has the occupancy and hazard of contents d Pressure reducing valves in open position, not remained the same since the last inspection? Yes No Yes No N/A leaking, with downstream pressure per design C. Are all fire protection systems in service? Yes No criteria, and in good condition with handwheels D. Has the system remained in service without not broken? modification since the last inspection? Yes No 4. Annual Inspection Items (in addition to above items) E. Was the system free of actuation of devices a. Proper number and type of spare sprinklers? Yes No N/A Yes No or alarms since the last inspection? b. Visible sprinklers: The property owner or designated representative shall be responsible for properly 1. Proper position (upright, pendent, sidewall)? Yes No N/A maintaining a water-based fire protection system. Yes No N/A 2. Free of leaks, corrosion and damage? The property owner or designated representative shall correct or repair deficiencies Yes or impairments that are found during the inspection, test and maintenance required 3. Proper clearance below sprinklers? No N/A by this standard (NFPA 25 2011) Yes No N/A 4. Free of foreign materials including paint? See NFPA 25 2011 for all owner requirements. Yes No N/A 5. Liquid in all glass bulb sprinklers? *Signature on work order if available. c. Visible Pipe: Owner / Representative Signature and Date 1. In good condition/no external corrosion? Yes No N/A Part II – Inspector's Section 2. No mechanical damage or leaks? Yes No N/A A. Inspections 3. No external loads? Yes No N/A 1. Weekly Items d. Visible pipe hangers and seismic braces a. Control valves (including backflow preventer isolation valves) not damaged or loose? Yes No N/A supervised with seals passed inspection as e. Sprinkler wrench with spare sprinklers? Yes No N/A N/A described in II.A.2a.below? Yes No Yes No N/A f. Information sign is attached and legible? b. Relief port on RPZ not discharging? Yes No N/A g. Internal inspection of the pipe performed in the last 5 years (remove a flushing connection and 2. Monthly Inspection Items (in addition to above items) one sprinkler near the end of a branch line)? Yes No N/A a. Control valves and valves on backflow (If "No" conduct internal inspection) preventers with locks or electrical supervision: 5. Fifth Year Inspection Items (in addition to above items) 1. In correct (open or closed) position? Yes No N/A a. Alarm valves and associated strainers, filters and 2. Lock or supervision in place? Yes No N/A restricted orifices passed internal inspection? N/A Yes No 3. Accessible and free from external leaks? N/A Yes No b. Check valves internally inspected, all parts 4. Provided with appropriate wrenches? Yes No N/A N/A operate properly and are in good condition? Yes No 5. Provided with appropriate identification? Yes No N/A c. Internal pipe inspection performed per 4.g? Yes No N/A b. Gauges on system in good condition and N/A Yes No showing normal water supply pressure? Report any failures on Part III of this form. c. Alarm valve free from physical damage, trim 1. Quarterly Tests Yes No N/A in correct (open or closed) position and no a. Mechanical waterflow alarm devices passed tests leakage from retarding chamber or drains? N/A (Water motor alarms actuated and flow observed)? 3. Quarterly Inspection Items (in addition to above items) b. Main drain test for system downstream of backflow device or a Fire department connections visible, accessible, pressure reducing valve: couplings and swivels not damaged, gaskets in psi and residual pressure 1. Record static pressure psi place and in good condition, identification sign(s) in place, check valve is not leaking, clapper in place Yes No N/A 2 Was flow observed? and operating properly and automatic drain valve 3. Are results comparable to previous tests? Yes No N/A No N/A in place and operating properly? (If plugs or caps are not in place, inspect interior for obstructions) 2. Semiannual Tests (in addition to previous items)

a. Valve supervisory switches indicate

Yes

No

N/A

movement?

N/A

Yes

No

b. Hydraulic nameplate (calculated system)

securely attached to riser and legible?

2. Semiannual Tests (continued)				1. Regular Maintenance Items (continued)
b. Electrical waterflow alarm devices passed	Var	No	N/A	6. Record of broken mains in the vicinity
tests (alarms actuated and flow observed)?	Yes	No	1 N /A	7. Abnormally frequent false-tripping of dry-pipe valves
3. Annual Tests (in addition to previous items)				8. Failure to flush yard piping or surrounding mains following
a. Main drain test for systems not tested quarterly:				new installation or repairs 9. System is returned to service after an extended period of
1. Record static pressure psi and residual	pressu	re	psi	time out of service (more than one year)
2. Was flow observed?	Yes	No	N/A	10. There is reason to believe the system contains sodium silicate
3. Are results comparable to previous tests?	Yes	No	N/A	or its derivatives or highly corrosive fluxes in copper pipe
	Yes	No	N/A	11. Raw water was pumped into the fire department connection
	3.7	N T	NT/ A	12. Pinhole leaks
	Yes	No	N/A	f. If conditions were found that require
				flushing, was flushing of system conducted? Yes No N/A
	Yes	No	N/A	g. Was a drain test conducted after opening any
	ra ranl	naad ar		closed valves? Yes No N/A
successfully sample tested in last 10 years?	Yes	No	N/A	h. Adjusted, repaired, reconditioned or replaced components
f. Standard response sprinklers 75 years old or mo	re repla			had the associated tests and/or inspections required by Table 5.5.1 of NEPA 25 performed? Yes No N/A
	Yes	No	N/A	of ruote 3.3.1 of 14111123 performed.
				2. Annual Maintenance Items (in addition to previous items)
tested in last 10 years?	Yes	No	N/A	a. Operating stem of all OS&Y valves
h. Sprinklers subject to harsh environments replace	d			lubricated, completely closed, and reopened? Yes No N/A
2 1	Yes	No	N/A	b. Sprinklers and spray nozzles protecting
	3.7	3.7	3.T/A	commercial cooking equipment and ventilating
			N/A N/A	systems replaced except for bulb-type which Yes No N/A
	Yes	No	N/A	show no signs of grease build-up?
4. Correct type of antifreeze (recommend				Part III – Comments (Any "No" answers, test failures or other
collecting and sending in a sample for testing)?	Yes	No	N/A	problems found with the sprinkler system must be explained here.
i All control valves operated through full range				Also note here any products noticed on the system that have been the
	Yes	No	N/A	subject of a recall or replacement program.)
-	Ves	No	N/A	
			N/A	
i. Fressure reducing varves passed partial now?	1 68	INO	1 V /A	
4. Tests for every fifth year (in addition to appro	priate	items)		
	Yes	No	N/A	
replaced?	Yes	No	N/A	
c. Pressure reducing valves passed full flow				
	Yes	No	N/A	
C. Maintenance				
1. Regular Maintenance Items				
a. If any sprinkler failed the sampling testing of				
Parts II.B.3.d, e, f, g or h of this form, were all				
sprinklers represented by that sample replaced?	Yes	No	N/A	
b. If sprinkler have been replaced, were they			37/1	
proper replacements?	Yes	No	N/A	
c. Marine systems normally having fresh water				
were drained and refilled twice if raw water				
got into the system?	Yes	No	N/A	
d. Heat tane inspected per manufacturer's				Part IV – Inspector's Information
instructions?	Yes	No	N/A	Turvi i impressor simormunon
If any of the following were discovered was				Inspector: Company:
	Vec	No	N/A	
an obstruction investigation conducted:	1 65	INO	1 \ / /A	Company Address:
				I state that the information on this form is correct at the time and place
Post indicating valves opened until spring or torsion felt in the rod then closed back 1/4 turn? Are all sprinklers dated 1920 or later? Are all sprinklers dated 1920 or later? Sprinklers with fast response elements 20 years old or more replaced or successfully sample tested in last 10 years? Standard response sprinklers 50 years old or more replaced or successfully sample tested in last 10 years? Standard response sprinklers 75 years old or more replaced or successfully sample tested in last 5 years? Dry-type sprinklers replaced or successfully sample tested in last 10 years? Presymptor sprinklers replaced or successfully sample tested in last 10 years? Presymptor sprinklers replaced or successfully sample tested in last 5 years? Presymptor yes No Sprinklers subject to harsh environments replaced or successfully sample tested in last 5 years? Yes No Antifreeze solution specific gravity: 1. Correct at most remote point? Yes No 3. Correct at interface with wet system? Yes No 4. Correct type of antifreeze (recommend collecting and sending in a sample for testing)? All control valves operated through full range and returned to normal position? All control valves operated through full range and returned to normal position? Backflow devices passed forward flow test? Yes No Pressure reducing valves passed partial flow? Yes No Tests for every fifth year (in addition to appropriate items) Sprinklers above high temperature tested? Yes No Tests for every fifth year (in addition to appropriate items) Sprinklers above high temperature tested? Yes No Tests for every fifth year (in addition to appropriate items) Sprinklers above high temperature tested? Yes No Tests for every fifth year (in addition to appropriate items) Sprinklers above high temperature tested? Yes No Tests for every fifth year (in faddition to appropriate items) Sprinklers above high temperature tested? Yes No Tests for every fifth year (in faddition to appropriate items) Sprinklers above high temperature tested? Ye		8	of my inspection, and that all equipment tested at this time was left in	
				operating condition upon completion of this inspection except as noted in Part III above.
	pluggir	ng of		Signature of Inspector: Date:
	stiroti -	m or	1	License or Certification Number (if applicable):
3. Flugging of pipe or sprinklers found during activation or work				State License Number - MN: C0075 / IA: FP-036 / WI: 656060