Form for Inspection, Testing and Maintenance of **Dry Pipe Fire Sprinkler Systems**



Work Order: This form covers the minimum requirements of NFPA 25 - 2011 for dry 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 Quarterly Annual Semi-Annual Third 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. 3. Quarterly Inspection Items (continued) Part I – Owner's Section b Fire department connections visible, accessible, couplings and No A. Is the building occupied? Yes swivels not damaged, gaskets in place and in good condition, B. Has the occupancy and hazard of contents plugs and caps are okay, identification sign(s) in place, check Yes No remained the same since the last inspection? valve is not leaking, and clapper and automatic drain C. Are all fire protection systems in service? Yes No valve in place and operating properly? Yes No N/A D. Has the system remained in service without (if plugs of caps are not in place, inspect interior for obstructions) Yes modification since the last inspection? No c. Alarm and supervisory devices not damaged? Yes No N/Ad. Pressure reducing valves in open position, not leaking, with downstream E. Was the system free of actuation of devices Yes No or alarms since the last inspection? pressure per design criteria, and in good condition with The property owner or designated representative shall be responsible for properly Yes No N/A handwheels not broken? maintaining a water-based fire protection system. 4. Annual Inspection Items (in addition to above items) The property owner or designated representative shall correct or repair a. Proper number and type of spare sprinklers? Yes No N/A deficiencies or impairments that are found during the inspection, test and b. Visible sprinklers: maintenance required by this standard (NFPA 25 2011) N/A 1. Proper position (upright, pendent, sidewall)? Yes No See NFPA 25 2011 for all owner requirements. 2. Free of corrosion and physical damage? Yes No N/A *Signature on work order if available. No 3. Proper clearance below sprinklers? Yes N/A Owner / Representative Signature and Date 4. Free of foreign materials including paint? Yes No N/A Part II - Inspector's Section 5. Liquid in all glass bulb sprinklers? Yes No N/A A. Inspections c. Visible Pipe: 1. Daily and Weekly Items 1. In good condition/no external corrosion? Yes No N/A a. Control valves (including backflow preventer isolation valves) supervised 2. No mechanical damage or leaks? Yes No N/A with seals passed inspection in accordance Yes N/A 3. No external loads? Yes No N/A with II.A.2.a below? d. Visible pipe hangers and seismic braces b. Dry pipe valve enclosures maintaining a minimum Yes No N/A not damaged or loose? N/A No Yes e. Dry pipe valve passed internal inspection? Yes No N/A c. Gauges on systems without low pressure alarms Yes No N/A f. Sprinkler wrench with spare sprinklers? in good condistion showing normal water and g. Information sign is attached and legible? Yes No N/A air pressure? Yes No N/A h.Internal inspection of the pipe performed in the d. Relief port on RPZ not discharging? Yes No N/A last 5 years (remove a flushing connection and e. For freezer sysems, gauge near the compresor one sprinkler near the end of a branch line)? Yes No N/A reading the same as the gauge near the dry-(If "No" conduct internal inspection) pipe valve? Yes No N/A **5. Fifth Year Inspection Items (in addition to above items)** 2. Monthly Inspection Items (in addition to above items) a. Control valves and valves on backflow a. Check valves internally inspected, all parts preventers with locks or electrical supervision: operate properly and are in good condition? Yes No N/A N/A Yes No 1. In correct (open or closed) position? b. Strainers, filters, restricted orifices and Yes No N/A 2. Lock or supervision in place? diaphragm chambers on dry pipe valves and N/A Yes No 3 Accessible and free from external leaks? trim passed internal inspection? Yes No N/A Yes N/A N/A No c. Internal pipe inspection performed per 4.g? Yes No 4. Provided with appropriate wrenches? 5. Provided with appropriate identification? Yes No N/A **B. Testing** Report any failures on Part III of this form. b. Dry pipe valve free from physical damage, trim in correct (open or closed) position and no 1. Quarterly Tests leakage from intermediate chamber? Yes No N/A a. Mechanical waterflow alarm devices passed tests (water-motor alarms c. Gauges on systems with low pressure alarms in good condition actuating and flow observed)? Yes No N/A showing normal water and air pressure? Yes No N/A b. Priming level correct? Yes N/A 3. Quarterly Inspection Items (in addition to above items) c. Low air pressure signal passed test? Yes No N/A a. Hydraulic nameplate (calculated systems)

N/A

Yes

No

securely attached to riser and legible?

d. Quick opening device passed test?

Yes

No

N/A

1. Quarterly Tests (continued)				1. Regular Maintenance Items (continued)	
e.Main drain test for system downstream of backflow device or				Explain reason(s) and obstruction investigation findings in Part III	
pressure reducing valve:				1. Defective intake screen on pump supplied from open sources	
Record static pressurepsi and residual			_ psi	Detective intake serech on pump supplied from open sources Obstructive material discharged during flow tests	
2. Was flow observed?	Yes	No	N/A	3. Foreign material in dry-pipe valves, check valves or pumps	
3. Are results comparable to previous tests?	Yes	No	N/A	4. Foreign material in water during drain test or plugging of	
2. Semiannual Tests (in addition to previous item	ns)			inspector's test connection	
a. Valve supervisory switches indicate	Vac	Ma	N/A	5. Plugging of pipe or sprinklers found during activation or work	
movement? b. Electrical waterflow alarm devices passed	Yes	No	N/A		
tests (alarms actuating and flow observed)?	Yes	No	N/A	6. Failure to flush yard piping or surrounding mains following	
3. Annual Tests (in addition to previous items)	103	110	14/11	new installation or repairs 7. Record of broken mains in the vicinity	
a. Main drain test for systems not tested quarterly:				8. Abnormally frequent false-tripping of dry-pipe valves	
1. Record static psi and residual pressure psi			9. System is returned to service after an extended period of time		
2. Was flow observed?	Yes	No	_ psi N/A	out of service (more than one year)	
3. Are results comparable to previous tests?	Yes	No	N/A	10. There is reason to believe the system contains sodium silicate	
b. Post indicating valves opened until spring or to		110	14/11	or its derivatives or highly corrosive fluxes in copper pipe	
felt in the rod then closed back 1/4 turn?	Yes	No	N/A	11. Raw water was pumped into the fire department connection	
c. Are all sprinklers dated 1920 or later?	Yes	No	N/A	12. Pinhole leaks	
d. Sprinklers with fast response elements 20 years				13. A 50 percent increase in time from the original system acceptan	ice
old or more replaced or successfully sample				test required for water to reach teh inspector's test connection	
tested in last 10 years?	Yes	No	N/A	during a full flow test.	
e. Standard response sprinklers 50 years old or mo	or			f. If conditions were found that require	
successfully sample tested in last 10 years?	Yes	No	N/A	flushing, was flushing of system conducted? Yes No N/	'Α
f. Standard response sprinklers 75 years old or mo	ore Yes	No	N/A	g. Adjusted, repaired, reconditioned or replaced components	
successfully sample tested in last 5 years? g Dry-type sprinklers replaced or successfully	103	110	11/11	had proper test/inspections preformed? Yes No No	/A
sample tested in last 10 years?	Yes	No	N/A	h. Was a drain test conducted after opening any	
h.Sprinklers subject to harsh environment replace		110	11/71	closed valve?? Yes No N/	'A
or successfully sample tested in last 5 years?	Yes	No	N/A	2. Annual Maintenance Items (in addition to previous items)	
i. All control valves operated through full range	Yes	No	N/A	a. Operating stem of all OS&Y valves	
and returned to normal position? j. Dry pipe valve partial flow trip test (unless full				lubricated, completely closed, and reopened? Yes No N/	
1. Initial air pressure psi and water press		psi		b. Interior of dry pipe valves cleaned? Yes No N/	
	and time		sec	c. Low points drained during this inspection? Yes No No	/A
3. Are results comparable to previous tests?	Yes	No No	N/A	d. Sprinklers and spray nozzles protecting	
k. Automatic air maintenance devices passed?	Yes	No	N/A N/A	commercial cooking equipment and ventilating	
Backflow devices passed forward flow test?	Yes	No	N/A	systems replaced except for bulb-type which	
m. Pressure reducing valves passed partial flow?	Yes	No	N/A	show no signs of grease build-up? Yes No N/	<u>'A</u>
			IV/A	Part III - Comments - Owner or designated representa	tive
4. Test for every third year (in addition to previous	ous item	S)		is responsible for locating and maintaining auxiliary/lov	
a. Dry pipe full flow trip test:				point drains (Any "No" answers, test failures or other problems	
Initial air pressurepsi and water pressu				with the sprinkler system must be explained here. Also note here	
2. When valve tripped, air pressure psi ar	nd time		sec	products noticed on the system that have been the subject of a reco	
3. Water delivery timeminsec				replacement program.)	
Water delivery time not required to be 60 seconds p	oer NFP	A 25		7	
4. Are results comparable to previous tests?	Yes	No	N/A		
b.Passed air leakage test?	Yes	No	N/A		
5. Tests for every fifth year (in addition to appro	priate i	tems)			
a. Sprinklers above high temperature tested?	Yes	No	N/A		
b. Gauges checked by calibrated gauge or					
replaced?	Yes	No	N/A		
c. Pressure reducing valves passed full flow				Part IV – Inspector's Information	
test?	Yes	No	N/A	Tartiv - inspector simormation	
C. Maintenance				Inspector: Company:	
1. Regular Maintenance Items				Company.	
a. If any sprinkler failed the sampling testing of				Company Address:	
Parts II.B.3.c, d, e or f of this form, were all spi				I state that the information on this form is correct at the time and place	
represented by that sample replaced?	Yes	No	N/A	of my inspection, and that all equipment tested at this time was left in	
b. If sprinkler have been replaced, were they				operating condition upon completion of this inspection except as noted	
proper replacements?	Yes	No	N/A	in Part III above.	
c. Dry-pipe systems kept in dry condition?	Yes	No	N/A		
d. Have auxiliary drains been emptied?	Yes	No	N/A	Signature of Inspector: Date:	
e. If any of the following were discovered, was an obstruction investigation conducted?	Yes	No	N/A	License or Certification Number (if applicable):	
				State License Number - MN: C0075 / IA: FP-036 / WI: 656060	