



Wet Pipe Sprinkler System Inspection & Testing Form

10400 Chester Road Suite 203
PO Box 3375 Chester, VA 23831
Phone: (804)796-FIRE
Fax: (804)796-4757
www.firedefense.net

Customer: ACME Warehouse

Building: Main Warehouse

Date: 1/1/05

Inspector: James Johnson

Inspector: Rick Daniels

Part A-Quarterly Inspection/Testing Items

1. Valve Location	Main Riser	Vault	Rack Storage				
a. Type	OS & Y	OS & Y	B-Fly				
b. Size	6"	6"	4"				
c. Quantity	1	2	1				
d. Seal #'s	1101	1102-1103	1104				
e. Free From Damage?	Yes	Yes	Yes				
f. In Correct Position?	Yes	Yes	Yes				
g. Accessible?	Yes	Yes	Yes				
i. No Leakage?	Yes	Yes	Yes				
h. Control Valves opened until spring or torsion is felt in the rod, then closed back 1/4 turn?	Yes	Yes	Yes				
i. Locked or supervised with tamper switches functional?	Yes	Yes	Yes				

2. Gauges

a. Location	Main Riser					
b. Static Pressure	125	PSI		PSI		PSI
c. Residual Pressure	75	PSI		PSI		PSI
d. Static After Test	115	PSI		PSI		PSI

f. Above test comparable to previous tests?	Yes
g. Main Drain Flow Observed?	Yes
h. All pressures normal?	Yes
i. Good condition/functional?	Yes
3. Proper number and type of spare sprinkler heads?	Yes
4. Proper number and type of sprinkler wrenches?	Yes

6. Hydraulic Name Plate present, attached, and legible?	Yes
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7. Fire Department Connections:	
a. Visible?	Yes
b. Accessible?	Yes
c. Swivel Coupling Functional?	Yes
d. FDC ID plate secure?	Yes
e. Check Valve holding?	Yes
f. Ball drip functional?	Yes
g. Plugs, caps, gaskets in place/functional?	Yes

5. Alarm Devices

a. Alarm devices undamaged and connections secure?	Yes	d. Electrical water flow device operated?	Yes
b. Alarm devices properly identified?	Yes	e. Flow observed and normal?	Yes
c. Mechanical water flow device operated?	Yes		

Notes: _____



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Part B-Annual Inspection/Testing Items

1. Sprinkler Heads

All Heads Free Of Paint/Damage/Corrosion/Loading?	Yes
All Heads Appear To Be Properly Positioned And Spaced?	Yes
All Heads Free Of Obstructions To Spray Patterns?	Yes
All Heads In Service Newer Than 1920?	Yes
All Standard Heads In Service For Less Than 50 Years?	Yes
All Fast Response Heads Less Than 20 Years Old?	Yes
Are All Heads Of The Correct Type?	Yes
Are All Heads Of The Correct Temperature Rating?	Yes

2. Sprinkler Piping

All Visible Pipe In Good Condition?	Yes
All Visible Pipe Not Leaking Or Damaged?	Yes
All Visible Pipe Free Of Corrosion?	Yes
All Visible Pipe Supported, Braced, And Free Of External Loads?	Yes

4. Valves

Control Valves Lubricated, Operated Through Full Range, & Returned To Open Position?	Yes
Have Operating Stems Of OS & Y Valves Been Lubricated, Completely Closed, & Returned To Open Position?	Yes
Post Indicator Valve Operated Through Full Range?	Yes
Post Indicator Valve Returned To Open Position? (1/4 Turn From Wide Open)	Yes

5. Antifreeze Protection System

Antifreeze Solution Checked To Provide Adequate Freeze Protection?	N/A
Protection To (°F)	N/A

Comments: _____



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Inspector: Rick Daniels

Part A: Quarterly Inspection Items

A-1.1	Dry/Pre-Action/Deluge Valves Free From Damage?	Yes	A-1.13	Control Valves Accessible?	Yes
A-1.2	Trim Valves In Correct Position?	Yes	A-1.14	All Valves Properly Identified?	Yes
A-1.3	Alarm Test Valve Closed?	Yes	A-1.15	FDC Visible, Accessible, Functional w/ Caps in Place?	Yes
A-1.4	System Free Of Leaks?	Yes	A-1.16	FDC Ball Drip Functional?	Yes
A-1.5	Valve Enclosure Secure?	Yes	A-1.17	FDC Check Valve Holding?	Yes
A-1.6	Enclosure At A Minimum Of 40° F?	Yes	A-1.18	Exterior Alarms Operational?	Yes
A-1.7	Compressor Operational?	Yes	A-1.19	Interior Alarms Operational?	Yes
A-1.8	Compressor Oil Level Full?	Yes	A-1.20	Proper Number & Type Of Spare Sprinkler Heads?	Yes
A-1.9	High/Low Air Pressure Switches Operational?	Yes	A-1.21	Head Wrench For Each Type Of Head?	Yes
A-1.10	Control Valves Locked Or Supervised?	Yes	A-1.22	Hydraulic Nameplate Attached?	Yes
A-1.11	Tamper Switches Operational?	Yes	A-1.23	All Low Points Drained?	Yes

Part B: Quarterly Testing Items

	Canopy	System #2	System #3	System #4
Quick Opening Device Functional?	Yes			
Priming Water At Proper Level?	Yes			
Gauges Operational?	Yes			
All Pressures Normal?	Yes			
Main Drain Test Performed?	Yes			
Static Water Pressure:	125 PSI	PSI	PSI	PSI
Residual Water Pressure:	70 PSI	PSI	PSI	PSI
Static Water Pressure After Test:	120 PSI	PSI	PSI	PSI
Results Comparable To Previous Test?	Yes			
Low Air Pressure Alarm Activated?	Yes			
Low Air Pressure Alarm Tripped At:	30 PSI	PSI	PSI	PSI
High Air Pressure Alarm Activated?	Yes			
High Air Pressure Alarm Tripped At:	50 PSI	PSI	PSI	PSI
Water Flow Devices Activated?	Yes			

Part C: Control Valves

Location:	Riser			
Type:	B-Fly			
Size:	4"			
Quantity:	1			
Seal No.'s	1105			
Free From Damage?	Yes			
No Leakage?	Yes			
Accessible?	Yes			
Correct Position?	Yes			
Locked Or Supervised W/ Tamper Switches Functional?	Yes			
Opened & closed back 1/4 Turn?	Yes			

Comment



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Part D: Annual Inspection Items

Information Of Last Trip Test Recorded?	Yes
Air Maintenance Device Operating Properly?	Yes
Hangers/Seismic Bracing Appear Attached & Secure?	Yes
Exposed Piping In Good Condition?	Yes
Piping Free Of Damage?	Yes
System Free Of Leakage?	Yes
Piping Free Of Corrosion?	Yes
Piping Properly Aligned?	Yes
Piping Free Of External Loads?	Yes
Control Valves Operated Through Full Range?	Yes
Control Valves Lubricated?	Yes

Heads Free Of Corrosion?	Yes
Heads Properly Positioned?	Yes
Heads Properly Spaced?	Yes
Heads Free Of Foreign Objects?	Yes
Spray Patterns Unobstructed?	Yes
Interior Of Valve In Good Condition?	Yes
Interior Of Quick Opening Device In Good Condition?	Yes
Moving Parts In Good Condition?	Yes
Seals In Good Condition?	Yes
Rubber Facing In Good Condition?	Yes
Interior Of Valve Cleaned?	Yes

Part E: Trip Test Results

Dry Valve		Size	4"	Year	2000	Inspector's Test Location				
Make	Model	Serial Number		Pallet Storage						
Viking	D	12345		No. Of Sprinklers	Area Protected					
Quick Opening Device	Year	2000			37	Canopy				
Make	Model	Serial Number		Full Or Partial Trip	Date Of Last Full Trip Test					
Viking	F	12345		Full	01/01/02					
Pressures Before Test				QOD Trip Time:	QOD Trip PSI:					
Air	40	Water	125	10 sec	30					
Trip Time		Water Pressure		Air Pressure		Time Water Reached Inspector's Test		Alarm Operated		
35	Seconds	125	PSI	22	PSI	1	Minutes	10	Seconds	Yes

Comments: _____

