

Fire Sprinklers - Deluge / Wet Wall

Activity		Type Of Service				
		A	B	C	D	E
Last Issue Date: 16/07/2015						
1	Check control valve assembly area		Y	Y	Y	Y
2	Check signage for damage, legibility and appropriate location of the each of the following: 1) Sprinkler block plan 2) Sprinkler stop valve inside plate 3) Booster connection signage 4) System pressure gauge schedule 5) Sprinkler and hydrant valve list 6) Interface diagram		Y	Y	Y	Y
3	Check that the booster connection is unobstructed for its use.		Y	Y	Y	Y
4	Check main stop valves and alarm cocks.		Y	Y	Y	Y
5	Check that each each isolating valve to each automatic pump start device is locked in the open position.		Y	Y	Y	Y
6	Check pressure switches.		Y	Y	Y	Y
7	Check the alarm signalling equipment.		Y	Y	Y	Y
8	Check the sprinkler system alarm interface with other systems is not isolated, inhibited or disabled.		Y	Y	Y	Y
9	Check water supply stop valves.		Y	Y	Y	Y
10	Check system pressure gauge readings before alarm test function.		Y	Y	Y	Y
11	Check alarms by opening each 15 mm valve.		Y	Y	Y	Y
12	Verify the correct operation of each alarm signal. For monitored systems ensure it has activated the alarm signalling equipment.		Y	Y	Y	Y
13	Check each strobe indicator (where fitted).		Y	Y	Y	Y
14	Check system pressure readings after alarm valve test.		Y	Y	Y	Y
15	Test each automatic pump starting device.		Y	Y	Y	Y
16	Test each manual pump starting device.		Y	Y	Y	Y
17	Check pressure gauge readings.		Y	Y	Y	Y
18	Check oil level, condition and regulator status.		Y	Y	Y	Y
19	Inspect and test electrical connection where fitted.		Y	Y	Y	Y
20	Check detector sprinkler line valves.		Y	Y	Y	Y
21	Check compressor cut in and out pressures (where fitted).		Y	Y	Y	Y
22	Check solenoid valve operation.		Y	Y	Y	Y
23	Check low air pressure alam.		Y	Y	Y	Y
24	Check local and fire brigade alarm by generating and alarm signal.		Y	Y	Y	Y

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Government of South Australia  
Department of Planning,  
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25	Check each flow switch.			Y	Y	Y
26	Operate all subsidiary stop valves and ensure they are fully open.			Y	Y	Y
27	Test valve monitoring device.			Y	Y	Y
28	Verify pressure gauge readings are within within the ranges indicated on the pressure gauge schedule.			Y	Y	Y
29	Undertake the main drain valve water supply test.			Y	Y	Y
30	Check deluge valve, local auxiliaries and local alarm and fire brigade.			Y	Y	Y
31	Reset deluge valve.			Y	Y	Y
32	Check detector sprinkler line pressure.			Y	Y	Y
33	Restore electrical control unit to operational status.			Y	Y	Y
34	Check pressure gauge readings.			Y	Y	Y
35	Reset valves and cocks.			Y	Y	Y
36	Verify operation of all pressure reducing valves under flow conditions.				Y	Y
37	Test pressure relief valve.				Y	Y
38	Undertake water supply test and verify flow and pressure requirements are met.				Y	Y
39	Operate the alarm valve by opening each remote test valve.				Y	Y
40	Test interface control.				Y	Y
41	Water motor alarm gong - Clean strainer and lubricate the external gong mechanism.				Y	Y
42	Water motor direct brigade alarm - clean strainer				Y	Y
43	Check alarm signalling equipment batteries.				Y	Y
44	Conduct a water supply test through a flow measuring device.				Y	Y
45	Kitchen hoods and ducts - inspect and clean.				Y	Y
46	Check exposed water distribution system for corrosion, damage and adequate fixings.				Y	Y
47	Check condition of sprinklers that is likely to effect their function.				Y	Y
48	Check escutcheons, cover plates or guards.				Y	Y
49	Check for obstructions.				Y	Y
50	Check block plans, emergency instructions and pressure schedules compliant.				Y	Y
51	Undertake a full discharge operation test.				Y	Y
52	Check foam or premix solution (where applicable).				Y	Y
53	Check and clean foam strainer (where applicable).				Y	Y
54	Pilot line strainers - remove and clean.				Y	Y

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55	Electrical detection (where fitted)- inspect and test.				Y	Y
56	Check installation.				Y	Y
57	Check spray nozzles.				Y	Y
58	Overhaul alarm valve including fitting of new alarm valve seating or port seating.					Y
59	Overhaul test valve as necessary depending on type.					Y
60	Overhaul alarm cock.					Y
61	Overhaul jacking pump (where fitted).					Y
62	Overhaul retard chambers (where fitted).					Y
63	Stop valves - Overhaul or replace as necessary.					Y
64	Overhaul water supply non return valves.					Y
65	Water motor alarm gong - clean and service.					Y
66	Water motor direct brigade alarm (where fitted) - clean and service.					Y
67	Check all gauges include calibration.					Y
68	Overhaul all special valves.					Y
69	Overhaul deluge valves.					Y
70	Diaphragm valve - fit new diaphragm.					Y
71	Check foam quality (where applicable).					Y
72	Record results in log book.		Y	Y	Y	Y

**Special Comments and Technical Data**

- B SERVICE MONTHLY
- C SERVICE 6 MONTHLY
- D SERVICE ANNUAL
- E SERVICE EVERY 5 YEARS

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