

Fire Hydrant Installation (Excl. Booster & Pumps)

Last Issue Date: 22/02/2019		Type Of Service				
Activity		A	B	C	D	E
1	Check that any previous defects and non-conformances have been attended to and recorded.			Y	Y	Y
2	Water supply and backflow prevention stop valves, isolating valves and underground key operated valves: a) Verify valves are open, secure in the open position and correctly labelled; and b) Record the number of valves checked: water supply _____ backflow prevention _____ isolating _____ key operated _____			Y	Y	Y
3	Check the hydrant valves (above ground): a) Are accessible; b) Have hand wheels that are securely fitted; and c) Blanking caps (where fitted) are in good condition.			Y	Y	Y
4	Check the hydrant valves (below ground): a) Are accessible; b) Blanking caps (where fitted) are in good condition; c) Cover plate for ease of operation; and d) Are not leaking.			Y	Y	Y
5	Check that all hydrant connection points are compatible with local brigade requirements.			Y	Y	Y
6	Hydrant hose (where fitted): Check that all branch pipes, nozzles and hose couplings are in good condition, compatible with the hydrant valves and properly stowed.			Y	Y	Y
7	Foam concentrate and loose equipment (where provided): a) Check the items located in the cabinet are in accordance with the cabinet contents list; b) Check the items are compatible and in good condition; c) Remove any incompatible or extraneous materials; d) Check the foam concentrate containers are in good condition, the seals are intact and the labels are legible; and e) Check the cabinet signage is clear and legible.			Y	Y	Y
8	Hydrant cabinets: a) Check all for accessibility, for clear, correct signage & good condition; and b) Check cabinets are clear of extraneous materials.			Y	Y	Y
9	Pressure reducing / Pressure limiting valves: Verify pressure readings for the pressure reducing and pressure limiting valves.			Y	Y	Y
10	Block Plan and Pressure Gauge Schedule (where required): Check for legibility and visibility.			Y	Y	Y
11	Hydrant Valves (Above and Below Ground): Partially open ALL hydrant valves in the system and prove the presence of water at each point.				Y	Y

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Department of Planning,  
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12	Hydrant Water Supply Valves: a) Operate (2 full turns) ALL valves - above ground, underground key operated valves and subsidiary stop valves - ensuring they are all fully open and where applicable, secured in the open position; b) Check labelling is correct; and c) Record the number of valves checked: water supply _____ backflow prevention _____ isolating _____ key operated _____				Y	Y
13	Valve Position Indicators: Verify they are securely mounted and indicate correctly.				Y	Y
14	Valve Monitors (where fitted): a) Test each one by closing and re-opening the valve; and b) Verify the correct position at the CIE.				Y	Y
15	Non-Return Valves: a) Verify they are ALL operating freely; and b) Are ALL seating correctly.				Y	Y
16	Hydrant Hose Fittings and Equipment (if fitted): Check and ensure the waterways are unobstructed and in good condition.				Y	Y
17	Undertake a Pressure-reducing Station Test: a) Operate and verify readings from pressure-reducing valves and record: _____ kPa. b) Operate and record the pressure at the pressure relief valves and record: _____ kPa.				Y	Y
18	Water Supply Proving Test: Undertake a Test for each water supply zone verifying that the system flow & pressure requirements meet the design criteria using either a: a) Fixed Flow Meter Test Facility - for each ZONE provide the: - Static Supply Pressure (kPa) and Flowing Pressure (kPa). OR, from the most hydraulically disadvantaged hydrant valve: b) Portable Test Apparatus - for each ZONE provide the: - Water Flow (L/s) and Pressure (kPa) and No of hydrants.				Y	Y
19	Check the Water Supply Strainers/Screens and clean the Suction Inlet Strainers.				Y	Y
20	Interface and Control Test (Refer TDS F39): A functional system test with other interfaced fire systems is to be done in accordance with AS1851 scheduled using F39: Interface Testing of Fire Protection Systems. Refer Special Comments.				Y	Y
21	Undertake a survey of the overall hydrant installation looking for any damage.				Y	Y
22	Check there are no occupancy changes applicable to the hydrant design.				Y	Y
23	Check the site documentation - block plans, emergency instructions and pressure				Y	Y

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	schedules comply with AS2419.1.					
24	Drain and Test Valve Washers: a) For Screw-down Valves examine the seatings and fit new washers; and b) For Packed Gland Valves fit new gland packing.					Y
25	Stop Valves: Fit new gland packings and lubricate the spindles.					Y
26	Hydrant Valves: Fit new seatings to all hydrant valves and lubricate the spindles.					Y
27	Water Supply Non-return Valves: Renew water supply non-return valve seatings and gaskets.					Y
28	Pressure Gauges: Check all gauges against a calibrated gauge.					Y
29	Record the results in the log book.			Y	Y	Y

**Special Comments and Technical Data**

C SERVICE 6 MONTHLY  
 D SERVICE ANNUAL  
 E SERVICE 5 YEARLY  
 TESTING & SERVICING TO BE DONE IN ACCORDANCE WITH AS1851.  
 APPLICABLE LEGISLATION: MINISTER'S SPEC. SA 76 (2015).  
 OBTAIN SITE APPROVAL PRIOR TO TESTING OF THE SYSTEMS.  
 THE ANNUAL INTERFACE TESTING (ACTIVITY 20) IS TO BE DONE UNDER  
 TDS F39 WHICH HAS COMMENTS ON THE SCHEDULING ARRANGEMENTS.  
 ENSURE THERE IS NO DUPLICATION OF SERVICES.  
 REFER F25A FOR THE FIRE BOOSTER SERVICING (IF APPLICABLE),  
 F38 FOR FIRE PUMPSETS & F40 FOR WATER STORAGE TANKS.

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