PO Box 9084, HARKAWAY VIC 3806 | Phone: 0437 966 747 | Email:info@fairfireservices.com.au | ABN 60 900 174 581

FIRE FIGHTING DIAGNOSTIC INSPECTION REPORT

1.	**PREMISES**	Bayview Rd & Outlook Rd, McCrae VIC 3938
2.	**REPORT NO**	T - 27219
3.	**DATE INSPECTED**	12 April 2025
4.	**ABBREVIATIONS**	
	4.1 HYDRANTS	IN - GROUND BALL HYDRANT
	4.2 HOSE REELS	N/A
	4.3 HYDROSTATIC TEST	NIL
	4.4 PUMP APPLICANCE	NIL
	4.5 DISPENSATIONS/309	NIL ADVISED
	4.6 SPRINKLER PROTECTED	N/A
	4.7 ESTIMATED FLOOR AREA	N/A
	4.8 DATE INSTALLED	N/A
	4.9 GRADE OF TAPPING	3
	4.10 LEVELS ABOVE GROUND FLOOR	N/A
	4.11 CLASS OF BUILDING	N/A
	4.12 DISCHARGE TANKS USED ONSITE	NO
	4.13 ZONES	1
	4.14 PASS OR FAIL	
5.	**FIRE MAIN**	
	5.1 FIRE MAIN (where visible or advised)	N/A installed onsite.
	5.2 STREET HYDRANT	In - ground ball **Street hydrant installed in accordance with the local water authority, I identified by street reflector.**
6.	**INSTALLATIONS**	

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	6.1 HYDRANTS	N/A risers installed onsite.	
7.	**PRESSURES RECORDED**	**Pressure/Flow tests were conducted in accordance with the guidelines of Australian Standard 2419.1 - 2005 and accepted industry methods.**	
	7.1 STATIC	750 KPA	
	7.2 FLOWS	**Nozzle Size**	25mm
		Hydrant Type	Feed Hydrant
		Hydrant	**Most Disadvantaged Hydrant**
		Required Pressure	Minimum 10 LPS
		Hydrant Single Flow	500 KPA at 15.52 LPS
		Required Pressure	Minimum 20 LPS
		Hydrant Dual Flow	280 KPA at 23.23 LPS

THE HYDRANT WAS TESTED, AND THE PRESSURES RECORDED WERE CALCULATED USING THE HAZEN-WILLIAMS FRICTION LOSS EQUATION.

8. LOCATION OF EQUIPMENT Drawings were not available onsite to determine the positions of fire equipment.

9. COMMENTS

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9.1 COMMENTS / PICTURES	Site Observation, During my on-site assessment, I noted a discrepancy in the pressure readings. With a static pressure of 750 kPa and a dual flow pressure of 280 kPa, it suggests that there may be an obstruction or issue affecting the flow. Based on my experience, a static pressure of 750 kPa should typically yield a flow pressure greater than 400 kPa. *Possible Causes: * 1. Partly shut valve in the area, restricting flow 2. Leak in the street mains, hindering flow Further investigation is recommended to determine the root cause and implement necessary corrections. Under practice note 38 BCC indicates, Any system with (other pipe work to be hydrostatically tested to 700kpa or mains pressure.), it was noted on the day of testing the system had a hydrostatic pressure of 750kpa in the mains.
9.2 TESTING	This inspection covers the items specified in AS1851-2012 and AS2419.1 - 2005. Inspection and tests carried out by Mr Ronny Allard and Daniel Towt.
9.3 GAUGE CALIBRATION	All gauges used in this test are performance calibrated and checked by Ambit Instruments PTY LTD, NATA Accredited Laboratory no: 3103, gauge has NATA endorsed certificate number 1807498.

APPROVED INSPECTOR

Irrelevant & Sensitive

Ronny Allard
Fair Fire Services
VBA Licence Number 102569
Dated 12 April 2025