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DESCRIPTION:	Mechanical – Pressure Piping – Inspection and Service	FREQUENCY:	
LOCATION:		STANDARD JOB No.:	

	INTERNAL INSPECTION
	Complete external and internal inspection in line with the requirements of AS3788. Further details on the inspection requirements in Appendix I of AS3788. The inspector to seek approval on proposed test methods with Urban Utilities prior to proceeding with work. An inspector competent with the requirements of AS3788 must complete the inspection and determine areas for insulation removal for inspection and non-destructive testing.
	The external inspection shall include (but not limited to):
	• Check pipework, valves, flanges and connections for leaks and damage
	• Inspect pipework, valves, flanges and connections for corrosion
	• Check for signs of movement or cracking
	• Check condition of welds
	• Check branch connections for corrosion, erosion, signs of fatigue or damage
	• Check bellows for cracks, distortion of anchors, seizing or bending of guides, any unexpected movement of the parent piping etc.
	• Check condition of valves Note that non-return valves require internal inspection
	• Check condition of mechanical seals and other joining methods
	• Check condition of pipe supports
	Internal inspection shall include inspection and non-destructive testing as deemed appropriate to determine the internal condition of the pipework. This shall include:
	• Ultrasonic thickness testing
	Additional testing techniques may be utilised as deemed required and based upon industry best practice at the time of inspection. The inspector must discuss and seek approval with Urban Utilities on the proposed test methods prior to proceeding with the inspection and notify Urban Utilities where it is believed that further inspection or testing is required.
	A report must be provided outlining all inspection and non-destructive testing completed in line with AS3788 requirements. The report must include: the results of the inspection and non-destructive testing, recommendations for further actions as required, recommendations on the next date for inspection.