



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

SCOPE
Complete inspection in accordance with AS3788 for pipework classified as pressure pipework in accordance with AS4343.
Classifications AS3788:
a Harand Lavel A Harand Lavel B OB Harand Lavel C (algorithm to me nowative a silvention). 2 yearshy
Hazard Level A, Hazard Level B OR Hazard Level C (elevated temperature, corrosive, vibration) – 2 yearly outcome A yearly internal.
 external, 4 yearly internal. Hazard Level D – 8 yearly external.
Hazard Level E – not required.
INSPECTION REQUIREMENTS
Complete inspection and testing of pressure pipework in line with AS3788
Inspector must be competent and certified to meet requirements of AS3788
Report any safety risks or non-compliances to Urban Utilities
Report any urgent actions that require rectification to make safe immediately
Report to Urban Utilities any observed hazards with other equipment
Report to Urban Utilities if inspector recommends further inspection or testing
REPORTING REQUIREMENTS
Provide inspection and testing report in line with AS3788
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Report must be signed off that pipework is safe for continued operation Document every segment of pipework inspected, document hazard level in line with AS3788 and include photo of
the pipework
Document results of inspection, any actions required, and any defects that require further monitoring
Provide next required date for inspection

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Note:





D	ESCRIPTION:	Mechanical – Pressure Piping – Inspection and Service	FREQUENCY:			
L	OCATION:		STANDARD JOB No.:			
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	EXTERNAL INSPECTION					
	Complete external inspection in line with the requirements of AS3788. Further details on the inspection requirements in Appendix I of AS3788. An inspector competent with the requirements of AS3788 must complete the inspection and determine areas for insulation removal for inspection.					
		ust notify Urban Utilities where further inspection or no ongoing operation.	n-destructive testing is req	uired		
		e provided outlining all inspection tasks completed in lin e results of the inspection, recommendations for further inspection.				
		spection shall include (but not limited to):				
		e localised areas of insulation to complete inspection				
		ipework, valves, flanges and connections for leaks and				
		all pipework, valves, flanges and connections for corros	sion			
		or signs of movement or cracking				
		ondition of welds				
		ranch connections for corrosion, erosion, signs of fatignellows for cracks, distortion of anchors, seizing or bend		atad mayamant of		
	the parent piping		ing or guides, any unexpe	cted movement of		
		ondition of valves. Non-return valves require internal in	spection			
	Check c	ondition of mechanical seals and other joining methods	3			
	Check c	ondition of pipe supports				

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Note:





DESCRIPTION:		Mechanical – Pressure Piping – Inspection and Service	FREQUENCY:			
LOCATION:			STANDARD JOB No.:			
	INTERNAL INSP					
	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 incr	action shall include (but not limited to):				
		pection shall include (but not limited to): ipework, valves, flanges and connections for leaks and	I damaga			
		pipework, valves, flanges and connections for corrosion				
	Check for signs of movement or cracking					
		ondition of welds				
		ranch connections for corrosion, erosion, signs of fatig	ue or damage			
	Check bellows for cracks, distortion of anchors, seizing or bending of guides, any unexpected movement of the parent piping etc.					
	Check co	ondition of valves Note that non-return valves require i	nternal inspection			
	Check condition of mechanical seals and other joining methods					
	Check condition of pipe supports					
	1. ():					
	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.					

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