

DESCRIPTION:	Mechanical – Economiser (Oxley Boiler) – Inspection and Service	FREQUENCY:	
LOCATION:		STANDARD JOB No.:	

	SCOPE
	This inspection applies to the Oxley Boiler economiser which is classified as a pressure vessel in accordance with AS 3788
	Note that this work must be completed during a shut of the main boiler system
	Note the replacement of the economiser pressure relief valve with a spare relief valve certified for ongoing service at the set pressure is to be completed under a separate work order in conjunction with this work order.
	REQUIREMENTS
	Complete inspection and service of economiser in accordance with AS 3788
	Signed-off inspection report to be provided to Urban Utilities by certified inspector
	Provide all inspection results and UT measurements to Urban Utilities
	Inspector to notify Urban Utilities if further inspection or testing is required to make safe for continued operation
	EXTERNAL INSPECTION
	Complete external inspection of economiser in accordance with AS 3788
	Note that this requires removal of the cover and selected areas of insulation for visual inspection
	Check economiser for signs of bulging, external corrosion, damage etc.
	Check economiser surfaces are clean to ensure efficient heat transfer
	Check security of supports and connections
	INTERNAL INSPECTION
	Complete external inspection and internal inspection of economiser in accordance with AS 3788
	Remove cover and selected areas of insulation to complete external visual inspection
	Check economiser for signs of bulging, external corrosion, damage etc.
	Check economiser surfaces are clean to ensure efficient heat transfer
	Check security of supports and connections
	Note that the economiser is to be inspected internally with access through the main boiler
	Check internal condition of economiser for damage, corrosion, fouling etc.
	Complete Ultrasonic Thickness testing to confirm internal wall thickness of the economiser tubes
	Check economiser for signs of bulging, external corrosion, damage etc.
	Check security of supports and connections