



1. Pressure testing of DI, GRP, PVC and steel pipelines

Pipe Section:	
Contractor:	
Contractor's Testing Responsible Officer:	
Witnessed By:	

Important Notes:

1. Hydrostatic pressure testing is to comply with the requirements of AS/NZS 2566.2, Appendix M, Paragraph M4 and WSA 03-2011-3.1 MRWA Edition using the Constant Pressure (water loss) Method.
2. Two full working days' notice prior to the test is to be given to the Design Consultant or Gippsland Water's responsible officer.
3. All pipes are to be swabbed before testing.
4. All pipelines shall be pressure tested using water only. Testing of pipelines using air is not permitted due to the risk of catastrophic failure.
5. System Test Pressure (STP) shall be calculated as per WSA 03-2011 and nominated in the design but shall be a minimum of 110 m.
6. Attach full details of the pipeline tested, including a vertical elevation of the test section showing pipe materials and heights and locations of air valves, gauges and filling points.
7. Record the failure of any thrust block, pipe, fitting, joint or any other pipeline component.
8. Record the location and nature of leaks repaired.
9. All testing must be witnessed by the Design Consultant, a Gippsland Water Officer or an independent auditor as authorised by Gippsland Water. Failure to do so will require retesting to be carried out at the contractor's expense.

Pressure Testing Results 1. Maintain system test pressure for at least 4 hours. 2. Measure the pressure then add make-up water at one-hour intervals 3. Record readings below.				
Date:		Start Time:		
Ambient Temperature		°C		
System Test Pressure		kPa		
Time	1 hour	2 hours	3 hour	4 hours
Pressure (kPa)				
Water Added (L)				
Time	5 hours	6 hours	7 hours	8 hours
Pressure (kPa)				
Water Added (L)				
<ul style="list-style-type: none"> • Confirm visual inspection of the line for leaks. (Use aural or electronic assistance if a leak is suspected but not observed.) 				Initial:
Maximum allowable makeup volume = $0.14 * L * D * H$ litres/hour <small>L = Length of test pipeline (km); D = nominal pipe size (m); H = average test pressure (m)</small>				L/hr
Is the loss rate less than the allowable rate stated above:				Initial:
Does the pipeline PASS the Pressure Test? :				
Contractor Signature: Date: Completed test result sheets to be submitted to Gippsland Water Responsible Officer or Gippsland Water Accredited Design Consultant with the as-constructed information or construction certification list.				



Gippsland Water Pressure testing results sheets

TRIM: COR/04/12584
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2. Pressure testing of PE pipelines

Pipe Section:	
Contractor:	
Contractor's Testing Responsible Officer:	
Witnessed By:	

Important Notes:

1. Hydrostatic pressure testing is to comply with the requirements of AS/NZS 2566.2, Appendix M, Paragraph M5 and WSA 03-2011-3.1 MRWA Edition using the Constant Pressure (water loss) Method for visco-elastic pressure pipelines.
2. Two full working days' notice prior to the test is to be given to the Design Consultant or the Gippsland Water responsible officer.
3. All pipes are to be swabbed before testing.
4. All pipelines shall be pressure tested using water only. Testing of pipelines using air is not permitted due to the risk of catastrophic failure.
5. System Test Pressure (STP) shall be calculated as per WSA 03-2011 and nominated in the design but shall be a minimum of 110 m.
6. Attach full details of the pipeline tested, including a vertical elevation of the test section showing pipe materials and heights and locations of air valves, gauges and filling points.
7. Record the failure of any thrust block, pipe, fitting, joint or any other pipeline component.
8. Record the location and nature of leaks repaired.
9. All testing must be witnessed by the Design Consultant, a Gippsland Water Officer or an independent auditor as authorised by Gippsland Water. Failure to do so will require retesting to be carried out at the contractor's expense.

Pressure Testing Results			
<ol style="list-style-type: none"> 1. Maintain system test pressure for 5 hours. 2. Measure the pressure then add make-up water at one-hour intervals 3. Record readings below. 			
Date:		Start Time:	
Water Temperature	°C	Ambient Temperature	°C
System Test Pressure	kPa		
	Time	Water meter reading	Volume added
	1st hour		
	2nd hour		V1
	3rd hour		
	4th hour		
	5th hour		V2
<ul style="list-style-type: none"> • Confirm visual inspection of the line for leaks. (Use aural or electronic assistance if a leak is suspected but not observed.) 			Initial:
Maximum allowable makeup volume = $0.55 \cdot V1 + 0.14 \cdot L \cdot D \cdot H$ litres/hour L = Length of test pipeline (km); D = nominal pipe size (m); H = average test pressure (m)			L/hr
Is the loss rate less than the allowable rate stated above:			Initial:
Does the pipeline PASS the Pressure Test? :			
Contractor			
Signature:		Date:	
Completed test result sheets to be submitted to Gippsland Water Responsible Officer or Gippsland Water Accredited Design Consultant with the as-constructed information or construction certification list.			