

GIPPSLAND WATER PRESSURE TESTING RESULTS SHEET

WATER PIPELINE PRESSURE TEST



Street(s) / Section:	
Town:	
Contractor:	
Contractor's Testing Responsible Officer:	

Important Notes:

1. All pipelines shall be **hydrostatically** tested using WATER only. Testing of pipelines using air is not permitted due to the risk of catastrophic failure.
2. System Test Pressure (STP) = 110 metres head (1100kPa), Design Pressure (DP) = 88 metres head (880 kPa).
3. Two full working days notice prior to the test is to be given to the responsible officer.
4. All pipes are to be cleaned before testing.
5. The test rig is to have two calibrated pressure gauges, both of which have been calibrated within the last three months and the calibration results forwarded to Gippsland Water. Both gauges must read inside 5% of the test head and of each other.
6. Testing procedure to be read in conjuncture with WSA 03-1999 and current WorkSafe guidelines.

Pipeline Pre Testing (Pressurise pipeline to 75% of system test pressure for at least 12 hours prior to the system pressure test).			
Date:		Time:	
Max. rated pressure of pipeline	kPa	75% of System Test Pressure	kPa
Pre-testing reading (Initial)	kPa	Pre-testing reading (Final)	kPa
Does the pipeline sustain the pre-testing pressure:		YES / NO	Initial:

System Test Pressure Testing Maintain system test pressure for 4 hours (minimum) measuring at half hourly intervals. Record readings below.				
Date:		Time:		
Max. rated pressure of pipeline	kPa	System Test Pressure	kPa	
Time	30 Minutes	1 Hour	90 Minutes	2 Hours
Pressure (kPa)				
Water Added (L)				
Time	2.5 Hours	3 Hour	3.5 Hours	4 Hours
Pressure (kPa)				
Water Added (L)				
<ul style="list-style-type: none"> Confirm each valve sustains 15 minutes full test pressure Confirm visual inspection of the line for leaks. (Use aural or electronic assistance if a leak is suspected but not observed.)				Initial: Initial:
Maximum allowable loss rate = (0.14* N*L*H) / 1000 Litres / Hour where N = nominal pipe size (mm); L = Length of test pipeline (km); H = average test pressure (m) - (Clause 2.3.2.2 of WSA 03-1999)				L/Hour
Is the loss rate less than the allowable rate stated above:		YES / NO	Initial:	
Does the pipeline PASS the Pressure Test ? :		YES / NO		
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 / construction certification list.				