



Pipe Assessment Report

Pipepod Hydrostatic leakage report produced on behalf of:
SAMPLE

Acoustic Inspection Project Scope

A pressurised acoustic survey was undertaken on a potable water pipeline to locate a possible leak or leaks within a pipeline section.

Pressurised Pipe Internal Acoustic Report

Equipment Testing Details:

Calibration and Testing undertaken by:	S Leuthwaite
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Equipment Information:

System Used:	Pipepod Hydrostatic	Visual Check:	16-4-22
ID Number:	018-1100	Sanitised:	16-4-22
Purpose Used:	Acoustic Survey Potable Water	Pat Test Date:	1-4-22
Pressure Tested:	16-4-22	Pat Test Due:	1-10-22

Chlorination Details:

Chlorination Mixture:	N/A
Chlorine/Water:	N/A
Technician Name:	Elliott Denman

Pressurised Pipe Internal Acoustic Report

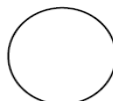
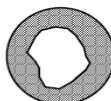
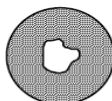
Location:	SAMPLE	Inspection Date:	18-4-22
Client:	SAMPLE	Hydrant Reference ID	API LOCATION G PIPE 4
Client contact:	SAMPLE		
API Team Leader:	Mark Glenney		

Pipe Details:

Pipe Material:	PP-SDR9-Insulated Pipe	Pipe Coating:	Yes insulated pipe
ID (Nominal):	200 mm	Internal Lining:	None
Age:	New Installation	Reason for Survey:	Leak Detection
Pressure:	8-9.44 Bar	Distance of Survey:	182.00 Metres

Condition Grading: *Pipe grading a visual representation only

Hydraulic Grade:	1
Asset Condition:	New installation
Risk of Fracture:	Unknown

Grade 1	Grade 2 Slight	Grade 3 0-20%	Grade 4 20-40%	Grade 5 >40%
				

Supporting Photo information:



Site Location: Pipepod retrieval point



Pipepod insertion point:

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Pressure reading (Actual on site):



Location Map of Survey:

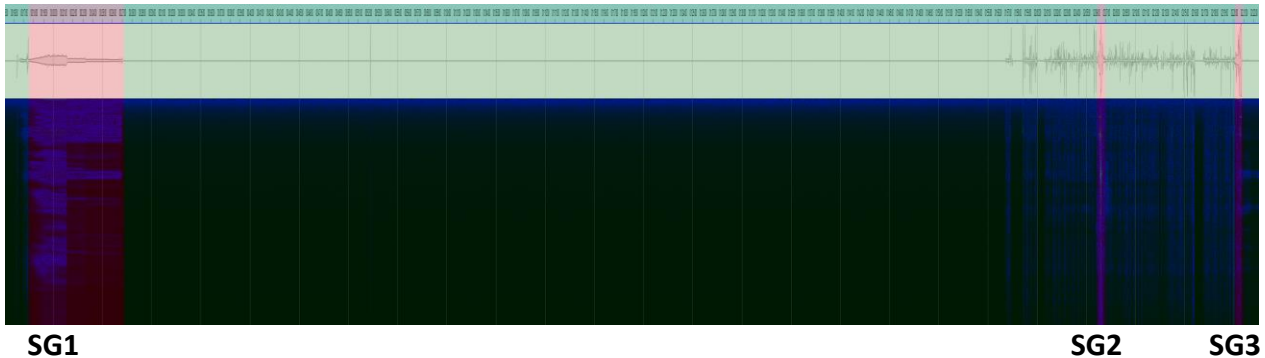


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Inspection comments:

- A pressurised acoustic survey was undertaken on a potable water pipeline with a detailed leakage sweep
- Entry was via a DN80 valve pipe configuration
- No chlorination required during survey
- Chapter 8 signage and barriers was provided by BBUSL
- The Pipepod entry point was located in an excavation area in field
- The retrieval point was located in the Leisure centre car park area G

Additional Information – Acoustic Scanning Details (leak analysis)



Post Analysis Results

3 clear acoustic band signatures are observed during the post analysis of the recorded inspection footage; graph indicates pressurisation and depressurisation of the sensor. Also an acoustic peak is identified at 67-68 metres.

- SG1 illustrates the pipeline being pressurised at the start of the survey
- **SG2 illustrates an acoustic point of interest or leak identified at 67-68 metres from Pipepod entry point (excavation in park area)**
- SG3 illustrates water injection and water passing of the exit chamber

No other acoustic peaks identified (leaks) during the data post analysis of the acoustic data. PIPA Software identifies leaks and illustrates points of interest with solid red banding (see spectrograph above).

Sporadic sound spikes are also present (sensor drag or contacting pipe wall only).

Possible leak detected during survey undertaken at 8-9.44 bar pressure only.

Recommendations:

It is recommended that the pipeline section is repaired and retested to see if pipe section passes a hydrostatic test.

Note: There is still a section of pipe on this configuration area still to be scanned using the Pipepod sensor.

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-End of Inspection Report-

Reviewed By:	M Glenny		
Ref:	MG_001	Date:	17-4-22
Approved By:	F Orlandi		
Ref:	FO_001	Date:	19-4-22

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