Verification Form for Full Pipe Systems

Name of Consent Holder: _____

Consent Number: _____

Consented rate of take: Frost (l/s) _____ Irrigation (l/s) _____ Other (l/s) _____

GPS Location: Northing _____ Easting _____

Date of Verification: ___/___/___

Water Meter/Water Measuring Device details:

Make: _____ Model: _____

Meter size (mm diameter): _____ Serial number: _____

Pulse output: Yes ☐ No ☐ Volume per Pulse _____ m^3/pulse

Meter Reading Volume: _____ m^3 (state units if different)

Insertion Meters only:

Encountered K-factor in the flow meter _____ Correct? Yes ☐ No ☐

Ultrasonic Meters only:

Transducer size encountered Transducer spacing: _____

Transducer mounting type (please circle one) V / Z (V = Reflect, Z = Direct) Correct? Yes ☐ No ☐

Verification Meter details:

Is a clamp-on water meter used for verification? Yes ☐ No ☐

If No, describe the method used (e.g. reservoir/time calculation, volumetric, etc.)

Verification flow meter brand and type: _____

Verification flow meter serial number: _____

Last calibration date of the flow meter used for verification: ___/___/___
(A copy of the calibration certificate must be attached to this verification form)

Verification parameters:

Pipe diameter: _____ mm Pipe wall thickness _____ mm

Pipe material (please circle one): Ductile Iron Polyethylene Mild Steel

Aluminium PVC Other _____

Please sketch the system showing the location of the clamp-on meter in relation to the meter being verified.

Measured flows

Undertake three (3) separate tests for each flow rate; record, and average the results (Form available in **Appendix 1**).

NOTE: Verification flows should be taken at or around the consented flow rate and/or the flow rate the well is usually pumped at. Ideally three different flow rates should be tested making a total of nine tests. If flows don't verify within 5%, a second clamp-on location can/should be attempted.

Certification

Please circle which of the following statements applies to the verified meter:

I/we certify that the above water meter/water measuring device has been verified and the measured flow is within 5% of the verification meter.

OR

I/we have found that the installed water meter/water measuring device deviates by more than 5% above/below the verified flow:

Recommended action: _____

Verified by: _____

Signed (by verifier): _____

Company name: _____

Company address: _____

Contact phone number: _____

Date: / /

Appendix 1: Verification of Flow Form

	Flow rate being tested (L/s)	Installed System measurement (L/s) - A	Verification Flow Meter measurement (L/s) - B	Uncertainty (%) ((B-A)/B) x 100	Uncertainty Limit within +/-5% (Y/N)
Flow Rate 1	1				
	2				
	3				
	Average				
Flow Rate 2	1				
	2				
	3				
	Average				
Flow Rate 3	1				
	2				
	3				
	Average				