

This form is to be completed, signed and forwarded to Unitywater for each water main commissioning prior to connection to Unitywater's network. Information captured is a requirement under the SEQ WSA03 Water Supply Code of Australia. (For definitions refer [Pr9032](#) - Procedure for Managing Water Quality During Mains Commissioning)

Water Quality Mains Commissioning Form

General Details

Location of commissioning activity:
Street(s), Suburb(s)

Water Main

Pipe Diameter(s) mm:

Pipe Length(s) m:

Volume(s) kL:

Name of Unitywater Contact:

Step 1: Flushing

Water flushing or Swabbing

Volume used to flush (kL):

Time taken to flush (mins):

Receiving Environment:
(Details of where water is discharged to, etc.)

*Note: Flushing water to be disposed of in accordance with Water Services Association of Australia (WSAA) Guideline: Dechlorination of Drinking Water to Discharged Waterways, National Guidance for the Urban Water Industry 2019.
For water flushing, velocity shall be ≥ 1.0 m/s*

Step 2: Disinfection

Chlorine Injection Point distance from dosing end of main (meters):
(Note: Should be no more than 3m)

Total Volume of Disinfectant Used (kL):

FCR Monitoring during contact period

Time = 0¹ min. FCR reading (mg/L):

Time = 15² min. FCR reading (mg/L):

Time = 30² min. FCR reading (mg/L):

Time = 45² min. FCR reading (mg/L):

Time = 60² min. FCR reading (mg/L):

Note¹: must be > 5mg/L at start of reading

Note²: if free chlorine drops below 3mg/L at any time during the contact period, the disinfection process must be repeated

Total Contact Time (hrs.):

(Note: Minimum time 1hr)

Step 3: Dechlorination (displacement of disinfectant)

FCR measured at commencement of discharge at end of main (mg/L):	
Volume of Chlorinated Water Discharged (kL):	
Volume of Fresh Water Used (kL):	
Receiving Environment: (Details of where water is discharged to, etc.) <i>Note: Discharge water to be disposed of in accordance with Water Services Association of Australia (WSAA) Guideline: Dechlorination of Drinking Water to Discharged Waterways, National Guidance for the Urban Water Industry 2019</i>	

Step 4: Filling

FCR(s) measured at end of filling process (mg/L): <i>Note: to be sampled from end of each branch/dead end main and must be <3mg/L</i>	
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Step 5: Water Quality Sampling
Only required for commissioning water mains > 50m in length OR > DN300

Copies of Chain of Custody documentation attached

Sampler Name: NATA Company: <i>Note: must be a NATA Accredited Sampler</i>	
Sampling Date:	
Number of samples collected: <i>Note: If more than 5 branches or dead end mains additional samples must be collected midpoint, one (1) per additional branch/dead end.</i>	

Step 6: Water Quality Analysis
Only required for commissioning water mains > 50m in length OR > DN300

Laboratory Name: <i>Note: must be a NATA Accredited Laboratory</i>	
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Step 7: Water Quality Results Assessment

“Passed” result received from Unitywater Officer Name: Date: <i>Note: notification of a “passed” result must be received from Unitywater in writing</i>	
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Form Completed by: Name and Signature: Company: Date:	
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Note: Completion of this form does not authorise connection to Unitywater’s network. Connection is also subject to approval of the PNI (Planned Network Intervention)

Figure 1

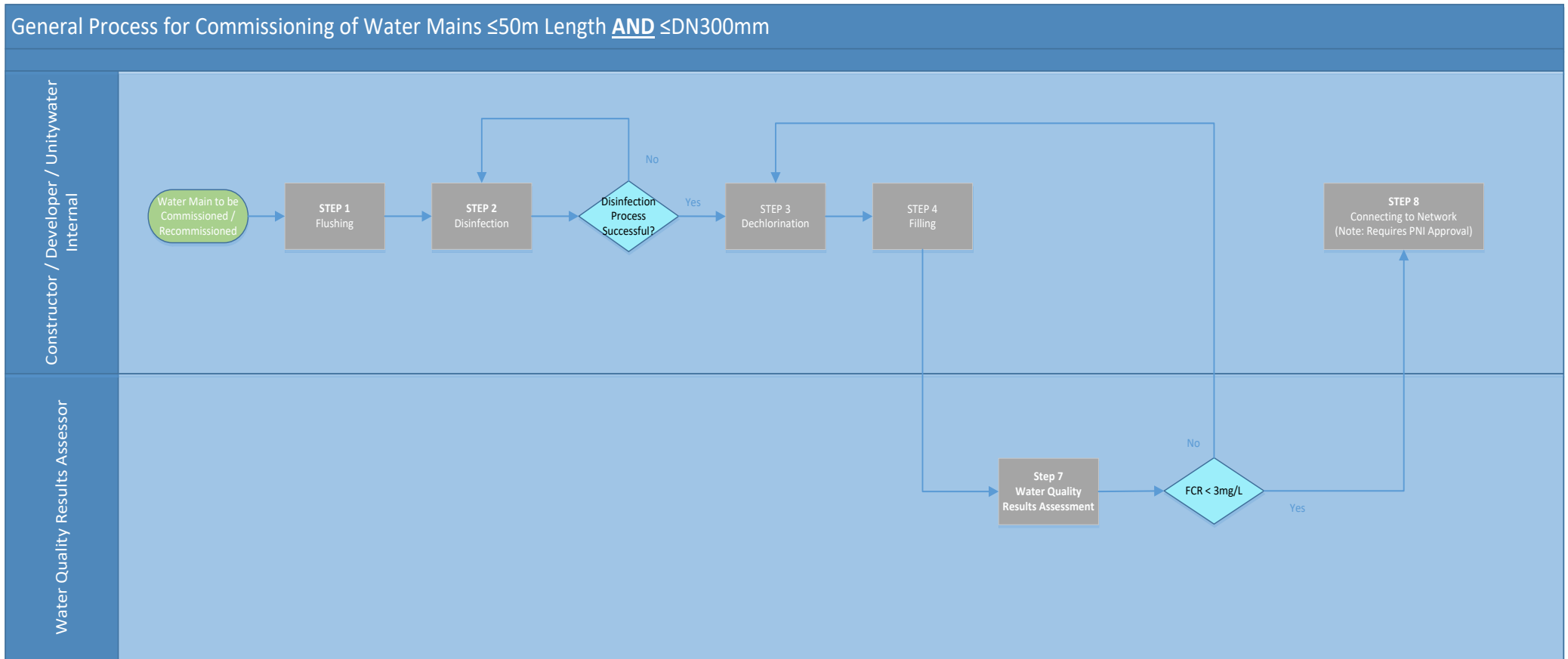


Figure 2

