

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  $\geq 1.0\text{m/s}$*

### 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 = 0<sup>1</sup> min. FCR reading (mg/L):

Time = 15<sup>2</sup> min. FCR reading (mg/L):

Time = 30<sup>2</sup> min. FCR reading (mg/L):

Time = 45<sup>2</sup> min. FCR reading (mg/L):

Time = 60<sup>2</sup> min. FCR reading (mg/L):

*Note<sup>1</sup>: must be > 5mg/L at start of reading*

*Note<sup>2</sup>: 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.)

*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*

**Step 4: Filling**

FCR(s) measured at end of filling process (mg/L):

*Note: to be sampled from end of each branch/dead end main and must be <3mg/L*

**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:

*Note: must be a NATA Accredited Sampler*

Sampling Date:

Number of samples collected:

*Note: If more than 5 branches or dead end mains additional samples must be collected midpoint, one (1) per additional branch/dead end.*

**Step 6: Water Quality Analysis**

*Only required for commissioning water mains > 50m in length OR > DN300*

Laboratory Name:

*Note: must be a NATA Accredited Laboratory*

**Step 7: Water Quality Results Assessment**

“Passed” result received from Unitywater Officer

Name:

Date:

*Note: notification of a “passed” result must be received from Unitywater in writing*

**Form Completed by:**

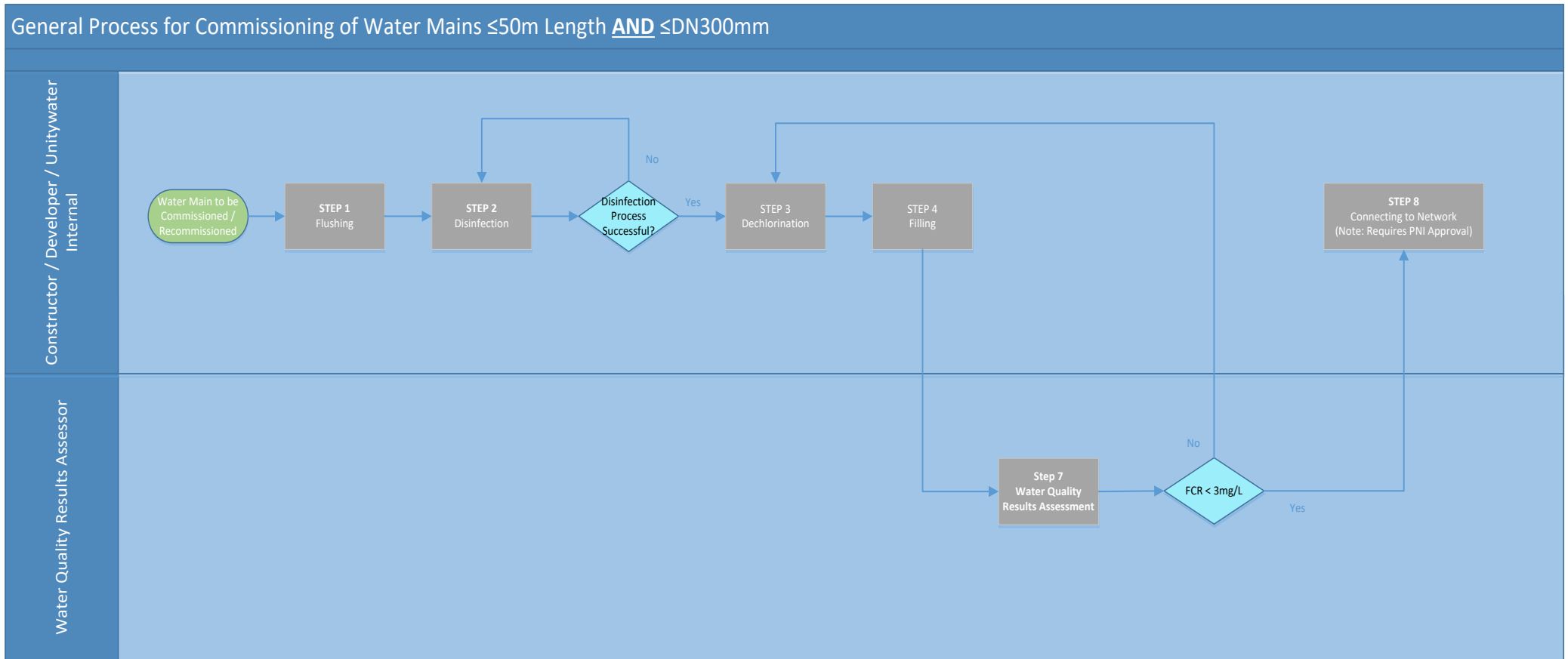
**Name and Signature:**

**Company:**

**Date:**

*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**

