**1.0 Purpose**

 The purpose of this procedure is to detail the steps for testing water for chlorine residue in the distribution line. This will ensure that there is sufficient chlorine in the water at any point along the line up to the end user.

**2.0 Background – N/A**

**3.0 Procedure**

Perform a chlorine residual test.

If above or equal to 0.2 mg/L

- go to step A – no other action required

If less than 0.2 mg/L

- go to step B

Step A

Chlorine residual is above or equal to 0.2 mg/L:

- no other action required

- maintain normal operation

Step B

Do a manual chlorine test to confirm results:

- if above 0.2 mg/L go to step C

- if less than 0.2 but with a trace go to step D

- if at 0.0 mg/L without a trace go to step E

Step C

Repeat the manual chlorine test again:

- if above 0.2 mg/L go to step A

- if below 0.2 mg/L return to step B

Note: Must have 2 consecutive above 0.2 mg/L test results to return to step A

Step D

Chlorine residual is less than 0.2 mg/L but with a trace:

- flush water lines in building in order to introduce fresh water to system

Monitor chlorine residuals by repeating manual test:
- if residual remains at between 0.2 mg/L and trace advise supervisor

- if residual has no trace go to step E

- if residuals increase above 0.2 mg/L go to step C

Step E

Chlorine residual is at 0.0 mg/L with no noticeable trace:

- flush water lines in building in order to introduce fresh water to system

Monitor chlorine residual by repeating manual test:

- if residual remains at between 0.0 mg/L with no trace advise supervisor immediately

    - supervisor will contact appropriate personnel

Continue flushing of water line:

- normal expectation would require that flushing continues until a residual is reached

- if it raises to 0.2 mg/L go to step C

Town Manager/Clerk: Signature: Date: