**1.0 Purpose**

The purpose of this procedure is to detail the steps for testing water for turbidity.

**2.0 Background**

Turbidity is a measure of the waters cloudiness or haziness caused by suspended solid particles. Suspended solids in water provided surfaces for viruses or bacteria to attach to which then shield the virus or bacteria from chlorine and ultraviolet sterilization of water.

**3.0 Procedure**

Perform the turbidity test or take turbidity reading from the automated equipment.

If below 5 ntu.

- go to step A – no other action required

If equal to or above 5 ntu.

- go to step B

Step A

Turbidity is below 5 ntu:

- no other action required

Step B

Do a turbidity test to confirm results:

- if below 5 ntu go to step C

- if equal to or above 5 ntu go to step D

Step C

Repeat turbidity test again:

- if below 5 nto go to step A

- if equal to or above 5 nto go to step D

Note: Must have 2 consecutive below 5 ntu test results to return to step A

Step D

Turbidity at equal to or above 5 ntu:

- advise supervisor who will contact supervisor or equipment supplier as required.

1. Perform the turbidity test or take turbidity reading from the automated equipment.
   1. If below 5 ntu, go to step 2.
   2. If equal to or above 5 ntu, go to step 3.
2. Turbidity is below 5 ntu - no other action required
3. Do a turbidity test to confirm results.
   1. if below 5 ntu go to step 4
   2. if equal to or above 5 ntu go to step 5
4. Repeat turbidity test again.
   1. if below 5 nto go to step 2
   2. if equal to or above 5 nto go to step 5

Note: Must have 2 consecutive below 5 ntu test results to return to step 2.

1. Turbidity at equal to or above 5 ntu - advise supervisor who will contact supervisor or equipment supplier as required

Town Manager/Clerk: Signature: Date: