

**CONTINGENCY PLAN**  
**Township of Tay - QMS Operational Plan**

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**Township of Tay Water Treatment & Distribution Systems**

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**Element 8.6 – Risk Assessment Outcomes**

**Problem: High Turbidity Alert Procedure**

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Typically, high turbidity is the result of incorrect or non-existent coagulant feed due to equipment break down, loss of prime of the coagulant pump, or highly turbid raw water. Refer to *Element 8.9 – Chemical Pump Breakdown Procedure*.

1. Check SCADA trending to determine time and duration of spike and compare to other process modes (ex. air scrubs, start-up, EFM, etc.).
2. If turbidity is above the set point for an extended period of time, shut train down or run filter-to-waste while troubleshooting.
3. Check coagulant chemical pump for air locks, leaks or faults. Check injectors, foot valves, and lines and refer to the *Chemical Pump Breakdown Procedure*.
4. Check turbidity meter flows and feed lines and flush and clean out debris, if required.
5. Monitor situation and record details in logbook.