

CONTINGENCY PLAN
Township of Tay - QMS Operational Plan

Township of Tay Water Treatment & Distribution Systems

Element 8.3 – Risk Assessment Outcomes**Problem: High Free Chlorine Alert Procedure – Above Set-point Only (Not Adverse)**

Note: Adverse level of free chlorine > 4 mg/L. See High Free Chlorine Adverse Procedure for more details.

Tay Area DWS – Free Cl₂ Set-Point 2.6 mg/L

1. Confirm free chlorine residuals using the high range handheld or bench top analyzer.
2. Ensure that high lift pumps are off as per alarm shutdown set-point.
Note: the plant high lift pump shutdown alarm for high free chlorine is far lower than the Ministry reporting level of greater than 4 mg/L free chlorine (Cl₂).
3. Determine cause of alert.
4. Allow plant to run and monitor.
5. If required, make chlorine dosage changes to lower the chlorine levels.
6. Notify ORO and/or Lead Hand.
7. Start production to dilute the clearwell residual and monitor by testing residuals at high lift pump well and clearwell access hatches.
8. Recheck the chlorine residual periodically until normal levels are maintained.

Rope DWS - Free Cl₂ Set-Point 2.6 mg/L

1. Confirm chlorine residuals.
2. Determine cause.
3. Adjust chlorine dosage pump if required.
4. Notify ORO and/or Lead Hand if you cannot lower chlorine levels.
5. Monitor chlorine residuals until situation is resolved.