



Vermilion Bay Water Treatment & Distribution Systems

Problem: **Adverse Water Quality (HPC)**

Contact Info: Overall Responsible Operator (ORO)
Operator-in-Charge (OIC)
Ministry of the Environment - Spills Action Center (SAC)
Ministry of Health (MOH) - Health Officer Municipality of
Machin, Clerk/Treasurer

- Procedures:**
1. Immediately notify the Operations Manager, ORO and OIC. They can then assist you in addressing the problem and notifying other interested parties.
 2. Initiate the following corrective actions, which are required by O. Reg. 170/03 (Schedule 17) and increase the chlorine residual. HPCs indicate the possibility of bacteriological growth.
 - a. Immediately resample and retest (as a minimum, three resamples must be collected for every one adverse result). Resamples must be collected as follows:
 - i. One from the location which produced the original adverse result;
 - ii. One from a location upstream of the affected area in the distribution system and;
 - iii. One from a location downstream of the affected area in the distribution system.
 - b. If total coliforms are detected in any of the resamples listed above, immediately increase the chlorine dose and flush watermains to ensure that a free chlorine residual of at least 0.2 mg/L (preferably 1.0 mg/L) is achieved at all points in the distribution system.