



CONTINGENCY PLAN Municipality of Machin

Machin 09-10

Vermilion Bay Water Treatment & Distribution Systems

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Problem: Raw Water Flow Meter Malfunction or Failure

Contact Info: Operator-In-Charge (OIC)

- Procedures:**
1. Notify the OIC.
 2. If water production is required, the low lift pump will need to be run manually. Placing one low lift pump in manual with both treatment unit inlet valves wide open (must be done manually) has been known to provide a flow rate of 19.0 L/sec.
 3. Chemical feeders will need to be operated manually. Set up the feeder outputs to achieve the desired dosage; assuming the raw water flow rate of 19.0 L/sec.
 4. Set the GAC filter control valve flow set point to 18.5 L/sec. on the SCADA computer.
 5. Monitor the treatment process closely to determine whether or not treatment is effective. Remember that the retention time through the process at design flow can exceed two hours; therefore, it may take some time (if a problem exists) for observation to show.
 6. Monitor reservoir levels (non-chlorinated and treated water). Discontinue production at the appropriate time (when reservoirs are full of water).
 7. Notify the local MOE Branch (Kenora), Drinking Water Inspector. He/she may request additional monitoring/corrective measures be taken.

Note: If the raw water flow meter fails the treatment unit water flow meters will continue to provide reliable data regarding raw water flows.