



Vermilion Bay Water Treatment & Distribution Systems

Problem: **Water Supply Shortage**

Contact Info: Overall Responsible Operator (ORO)
Operator-In-Charge (OIC)

- Procedures:**
1. Notify the ORO and OIC.
 2. Check high lift (treated water) pump operation and discharge pressures (refer to contingency for High Lift Pump System Failure if problems are encountered). Check the SCADA and MCC controls to verify that pumps are in automatic operating mode.
 3. If multiple high lift pumps are operating, check the water level in the treated water reservoir.
 4. Check actual raw water flow rates (at the flow meter and flow tanks). Check low lift pump operation and discharge pressures (refer to contingency for Low Lift Pump System Failure if problems are encountered).
 5. Verify that water is flowing through the clarifiers/filters (not just overflowing into the filter backwash trough) and is being discharged to the reservoir, not filter-to-waste (refer to contingency for Filter Unit Failure (will not pass water) if problems are encountered).
 6. Check community water consumption. Attempt to locate and isolate source of excessive water consumption, where possible. Potential sources of high demand include watermain breaks or fire hydrant use (for firefighting or maintenance purposes). Refer to the contingency for Watermain Break if leak is found.
 7. Notify the Municipality of Machin and the Vermilion Bay Fire Chief if a water shortage or loss of pressure is expected.