



CONTINGENCY PLAN Municipality of Machin

Vermillion Bay Water Treatment & Distribution Systems

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Problem: Clearwell Water Level Alarms

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

- Procedures:**
1. Check to see whether the problem is a high level, low level or false alarm.
 2. If the problem is a high level, check to see if the low lift pumps are still operating. If yes, verify that the control switches are in the automatic position. Try to turn the plant off using the SCADA computer. If the plant does not respond, turn the low lift pump control switch to the PLC Manual position and try to stop the pump manually via remote SCADA. If this does not work, manually turn low lift pumps off via hand control in the Low Lift pump house. In the event of Control System (PLC) Failure, refer to contingency for Plant Operations (Manual Operating Mode).
 3. If the problem is a low level, check to see if the low lift pumps are operating. Verify that the pump control switches (PLC and MCC) are in the automatic position, and verify that control breakers are in the "on" position. Verify that the systems are not turned off on the SCADA computer (top right corner of the Overview screen) or that alarms **are not** preventing the pumps or filtration units from operating. Check the Main Plant PLC and Raw Water Pumping Station PLC for power and communication (modems transmitting and receiving). Make sure the PLCs are in "run" mode. If the plant does not respond, the filtration units may need to be operated manually. Refer to contingency for Plant Operating Mode).
 4. Refer to specific operational procedures as set out in the Technical operating manuals for devices and the appropriate contingency plan.