



Vermilion Bay Water Treatment & Distribution Systems

Problem: **Low Lift Pump System Failure**

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

- Procedures:**
1. Check low lift pump discharge pressures.
 2. If pressure is low and no pumps are running, determine whether or not there is a current demand or call for raw water (i.e. are the treatment trains running, is the flocculation tank level low).
 3. If a demand is present but no pumps are running, check pump breakers and emergency stop. Check SCADA controls (auto, off, manual) if the pump is not operating when it should be. Check raw water wet well level to determine whether or not the lockout float has been activated.
 4. Check the raw water flow meter (for power). If no power is found, check the electrical switch mounted beside the unit (light switch).
 5. If an electrical problem is found, call an electrician to investigate.
 6. Switch pump duty to spare unit and remove defective pump from service where the problem is isolated to one pump.
 7. If a control problem is found, call Selog to investigate.
 8. Resolve low lift pump problem, repair defective pump system and immediately put back into service.
 9. Notify the ORO and OIC if any serious problems were found.