



## City of Port St. Lucie Utility Systems Department

### **PUMP STATION START-UP POLICY**

Upon completion of the entire pump station, including approved Record Drawings and a complete Pump Station Record Information Form, an inspection shall be coordinated with the Engineer of Record (EOR), contractor, and pump manufacturer's representative for the station.

The EOR shall request the inspection via e-mail at [inspectors@cityofpsl.com](mailto:inspectors@cityofpsl.com) 48 hours prior to the start-up.

The following items shall be the basis of a satisfactory inspection:

- The station was built in accordance with the approved plans and Utility Standards.
- The station is functioning as designed.
  
- Tests shall be conducted to determine if the pumps conform to the specifications.

Specifically, the testing shall confirm that –

- The pumps are working per the design curve.
  - Shut-off head
  - Current pressure head
  - Future pressure head
- The design amperage is not being exceeded.
- Both pumps can be removed and reinstalled without obstructions.
- The pump station can be operated with a generator in the same manner as with electric power. PSLUSD shall provide the generator for start-up for a lift station.
- If the pump performance does not meet the specifications, corrective measures shall be taken or pumps shall be removed and replaced with pumps that satisfy the conditions specified.

The contractor/manufacturer representative shall check direction of rotation of all motors and reverse connections if necessary.

All pump operation settings, alarms, and shutdown devices shall be calibrated and tested prior to the field test.

Should any material or installation fail to meet the specifications, the contractor shall take corrective measures, or the item shall be removed and replaced.

A repair kit shall be provided to PSLUSD at the time of start-up and testing inspection. The kit shall include one full set of fuses for entire control panel, one full set of fuses for the disconnect box (if fused), and one set of contacts for the motor starts for each pump station.

The test report shall be submitted by the EOR on PSLUSD form prior to being considered passing. EOR is required to submit a report describing if the station is running as designed or if modifications are needed.

Lift Station Fence and Electrical Permits have pass final inspection documented, in writing.

All landscaping must be acceptable as per the Utility Standards Manual.

Missing repair parts and/or all required paperwork shall make the start-up considered failed.

**Reference: Utility Standards Manual, FDEP 62-604-500, F.A.C.**