



**Palm Beach County Health Department
Plan Review & Permits 561-837-5900**

CHECKLIST FOR FORCE MAIN/LIFT STATION PERMIT

The following items must be addressed for each project that includes a wastewater force main or lift station:

ENGINEERING REPORT

- An engineering report is required for all lift stations.
- Average flow X 4 = minimum pump rate (justify lesser factor).
- Show calculations for: minimum 2 fps force main velocity Cycle times station flotation
- Flooding requirements (100 year flood elevation provided).
- Pump curve provided.

PLANS

- Duplex pumps required; Grinder pumps specified for force mains less than 4".
- Separate valve pit with check and gate valves. valve pit has proper drainage
- Emergency pumpout connection.
- Wetwell vented (vent is screened) wetwell bottom is sloped to pumps (1:1 fillet)
- Emergency generator receptacle provided control panel grounded
- Phase protection (where applicable) lightning arrestors surge protection
- Automatic alternating start circuit
- High water warning light audible alarm telemetering system
- Hose bibb has RPZ backflow protection, USC approved
- Thrust blocks or mechanical restraint on force mains air release valve on force main (if required)
- Grease trap detail (if required)
- Lockable fence provided; locks on control panel, wetwell valve pit

PRIVATE LIFT STATION REQUIREMENTS

Notice must be posted on the lift station panel indicating the following:

- a. Name and phone number to contact in case of emergency.
- b. Name and phone number of septic tank or maintenance company to call for pump-out in case of overflow.

A service contract with a maintenance or septic tank company in case of pump failure or overflow is required.

An inspection by the Health Department is required prior to release for service.