

DRAFT
PS10 OPERATIONAL GUIDELINES
BY SJID AUTHORIZED STAFF ONLY
(All Elevations are in NAVD 88)

STANDARD OPERATING CONDITION:

PSN8 automation will be set to operate between 14' - 15.5'. PS10 flow through piping will be open normally.

PS10 STARTING CONDITIONS:

CONDITION 1:

If the elevation in NPD8 exceeds 15.5' and four or more pumps are running in PSN8 then the flow through pipes shall be closed (during regular hours) and the two pumps at PS10 shall be turned on.

CONDITION 2:

If rainfall in excess of (5"+/-) inches in 24 hours occurs, then the flow through pipes shall be closed and two pumps shall be turned on at PS10.

CONDITION 3:

The National Weather Service forecast calls for tropical storm or hurricane to impact SJID within 36 hours, then the flow through pipes shall be closed and (1) or (2) two pumps shall be turned on at PS 10 to pre-dewater NPD8 north of PS 10 to a target elevation of 12.0. PS 10 shall be operated continuously during and after the storm event provided NPD8 south of PS 10 is able to receive the water without negative impacts to land owners along this section of NPD8. Generally the continued operation of both PS 10 pumps will require the minimum of (4) pumps at PSN8 to be operated simultaneously.

PS10 OPERATION:

Staff gauge recordings at PSN8 and PS 10 shall be observed twice daily while the flow through piping is closed.

When conditions in NPD8, north of PS 10 return to 15' or below, the PS 10 pumps shall be turned off and the flow though piping shall be reopened.

The SJID staff will be tasked with providing equal drainage for all properties along NPD8 as well as throughout SJID. At times the staff may have to adjust the PS 10 operation schedule to protect the overall SJID pump and reservoir system from failure.

SJID staff cannot be responsible to shut of all the irrigation canal connections. The optimum operation efficiencies of the District dewatering systems will require the prevention of irrigation canal water from flowing into the fields. All the pump capacity should be dedicated to the removal of the rainfall from the fields not the re-pumping of the irrigation water.

GENERAL:

All flow way pumps shall run at 1450 RPM, with a flow of 30,000+/- gpm dependent on head conditions. After installation the PS 10 pumps will be flow tested at different head conditions. During dewatering operational events, PS 10 pumps will be operated at the appropriate RPM to efficiently achieve 30,000 gpm.

MAINTENANCE:

Maintenance shall be on the same hour or monthly schedule as the other pump stations in the SJID.