

Golf Course Pump Station Readiness Checklist

Before peak irrigation demand arrives, the course team should know whether the pump station is ready, easy to understand, and equipped for a safe, controlled response when something goes wrong.



Course: _____

Date: _____

Reviewed by: _____

Next review: _____

How to use this checklist

Walk the station with the people who operate it. Mark every item Ready, Follow-up, or Service required. Capture active alarms and screenshots before clearing or resetting anything. This review does not replace qualified electrical or controls service.

STATION READINESS

☐ 1. Pump availability

Confirm which pumps are available, which are out of service, and whether that status is obvious to the operator.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 2. VFD and drive status

Review drive health, faults, reset requirements, and whether the system clearly shows when a VFD is unavailable or limiting operation.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 3. Pressure control

Confirm the pressure target is clear, the station can maintain pressure under expected demand, and pressure alarms are meaningful.

Status: Ready / Follow-up / Service required

Notes: _____



Know what the station will tell the operator

☐ 4. Flow readings

Check that flow values are visible and believable. If the course team cannot trust the numbers, troubleshooting becomes guesswork.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 5. Pond or source level

If source level affects operation, make sure staff can see it clearly and understand the required action when levels are low.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 6. Alarm history and messages

Review recent alarms. A useful alarm should explain what happened, what is affected, and what the operator should check next.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 7. HMI clarity

The main screen should show pressure, flow, pump status, mode, alarms, and next-step guidance for the watering window.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 8. Remote visibility and support

Confirm what can be seen remotely and which screenshots, alarms, or live values can be shared for troubleshooting.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 9. Emergency operating modes

Review controlled temporary operating paths for common failures. Emergency modes should preserve protections instead of encouraging unprotected bypasses.

Status: Ready / Follow-up / Service required

Notes: _____

CAPTURE SCREENSHOTS, ALARM HISTORY, AND CURRENT OPERATING VALUES BEFORE SERVICE



Prepare the team for an abnormal night

☐ 10. Panel condition and documentation

Look for unclear labels, missing drawings, undocumented changes, or deteriorating panel conditions that make troubleshooting harder.

Status: Ready / Follow-up / Service required

Notes: _____

☐ 11. Operator instructions

Confirm the course team knows what to do when a pump faults, a drive fails, pressure drops, or automatic mode is unavailable.

Status: Ready / Follow-up / Service required

Notes: _____

Readiness decision

☐ Ready for peak season

☐ Controls review recommended

☐ Service before irrigation

☐ Documentation follow-up

Top three follow-ups

1. _____
2. _____
3. _____

Need a second set of eyes?

Controler can review the pump station controls layer and identify what is unclear, risky, or difficult to support before the nightly watering window is on the line.

Request a free pump station review info@olerindustries.ca