



# Irrigation Pump Maintenance Checklist

## Pre-Operation Inspection

Checks performed before each irrigation cycle to ensure basic functionality and safety.

### Date of Inspection

### Pump Running Smoothly?

- ☐ Yes
- ☐ No
- ☐ Unsure

### Amperage Draw (Electric Pumps) - Record Reading

### Engine RPM (if applicable) - Record Reading

### Any Unusual Noises?

- ☐ Yes
- ☐ No
- ☐ Unsure

## Notes on Operation

Write something...

# Routine Maintenance (Weekly/Monthly)

Regular tasks to prevent major issues and extend pump life.

## Engine/Motor Hours (Record)

Enter a number...

## Check Oil Level (Engine Pumps)

- ☐ OK
- ☐ Add Oil
- ☐ Needs Service

## Check Water Level in Pump Housing (Submersible Pumps)

- ☐ Full
- ☐ Low
- ☐ Needs Inspection

## Pressure Gauge Reading (PSI/Bar)

Enter a number...

### Any unusual noises or vibrations?

Write something...

### Check for Leaks (Pump, Pipes, Fittings)

- ☐ None
- ☐ Minor
- ☐ Major - Investigate

### Date of Last Filter Cleaning

Enter date...

## Seasonal Maintenance (Annual/Before/After Season)

More comprehensive checks and maintenance performed at the beginning and end of the irrigation season.

### Date of Last Seasonal Service

Enter date...

### Notes/Observations from Previous Service

Write something...

### Pump Runtime Hours (Year-to-Date)

Enter a number...

### Voltage/Amperage (Electric Pumps)

Enter a number...


### Engine Oil Level (Engine Driven Pumps)

Enter a number...

### Engine Oil Type Used (Engine Driven Pumps)

- ☐ SAE 10W-30
- ☐ SAE 15W-40
- ☐ Synthetic Blend
- ☐ Other (Specify)

### Photos of Pump Components (Optional)

 Upload File

### Any unusual noises or vibrations observed?

Write something...

## Engine/Motor Maintenance (If Applicable)

Specific tasks related to the power source, whether it's an engine or an electric motor.

### Engine/Motor Hours (Record Current)

Enter a number...

### Oil Level (inches)

Enter a number...

### Oil Pressure (PSI)

Enter a number...

### Oil Condition (Visual)

- ☐ Clean
- ☐ Slightly Dirty
- ☐ Dirty
- ☐ Very Dirty

### Air Filter Condition

- ☐ Clean
- ☐ Slightly Dirty
- ☐ Dirty
- ☐ Very Dirty

### Notes on Engine/Motor Performance

Write something...

### Last Coolant/Antifreeze Flush Date

Enter date...

## Impeller & Casing Inspection

Detailed inspection of impeller and casing for wear, damage, and debris.

### Describe any visible damage to the impeller blades (chips, cracks, bending).

Write something...

### Describe any visible damage to the casing (cracks, corrosion, erosion).

Write something...

### Impeller Blade Thickness (Measure at the thinnest point, in mm or inches).

Enter a number...

### Casing Wall Thickness (Measure at a representative area, in mm or inches).

Enter a number...

### Presence of Debris/Scaling?

☐ Yes

☐ No

**If debris or scaling is present, describe its nature and location.**

Write something...

### **Impeller Material Condition?**

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

### **Casing Material Condition?**

- ☐ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

## **Safety Checks**

Verification of safety features and guards to prevent accidents.

### **Guard Rails and Safety Covers Intact?**

- ☐ Yes
- ☐ No
- ☐ N/A

### Emergency Stop Functioning Correctly?

- ☐ Yes
- ☐ No
- ☐ N/A

### Noise Level (dB) - Record Measurement

Enter a number...

### Electrical Connections Secure?

- ☐ Yes
- ☐ No
- ☐ N/A

### Any Safety Concerns Observed?

Write something...

### Date of Last Safety Inspection

Enter date...