



# Aquaculture System Checklist: Fish Farm Water Quality & Health Monitoring

## Water Quality Parameters

Assessment of key water conditions vital for fish health.

**Dissolved Oxygen (mg/L)**

**pH Level**

**Temperature (°C)**

**Ammonia (ppm)**

**Nitrite (ppm)**

### Nitrate (ppm)

Enter a number...

### Water Clarity (Turbidity)

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

### Date of Measurement

Enter date...

## Fish Health Observation

Regular checks for signs of disease or stress in the fish population.

### Visible Signs of Stress (e.g., Erratic Swimming, Gasping)

- ☐ None
- ☐ Mild
- ☐ Moderate
- ☐ Severe

### Number of Dead Fish Observed

Enter a number...

### Description of Any Abnormal Behavior

Write something...

### Skin/Scale Condition

- ☐ Healthy
- ☐ Lesions
- ☐ Discoloration
- ☐ Erosion

### Date of Last Quarantine/Treatment

Enter date...

### Detailed Notes on Fish Appearance & Behavior

Write something...

### Appetite

- ☐ Normal
- ☐ Reduced
- ☐ Absent

## Equipment Functionality

Verification of proper operation of pumps, aerators, and other essential equipment.

**Pump Flow Rate (Gallons/Minute)**

Enter a number...

**Aerator Output (Percent)**

Enter a number...

**Filtration System Status**

- ☐ Operational
- ☐ Needs Maintenance
- ☐ Malfunctioning

**Oxygen Generator Status**

- ☐ Operational
- ☐ Needs Maintenance
- ☐ Malfunctioning

**Last Filter Cleaning Date**

Enter date...

**Time of Last Equipment Check**

**Notes on Equipment Performance**

Write something...

# Feeding & Nutrition

Evaluation of feeding schedule, food quality, and overall nutritional adequacy.

## Daily Feed Amount (kg)

Enter a number...

## Average Fish Weight (g)

Enter a number...

## Feed Type

- ☐ Starter
- ☐ Grower
- ☐ Finisher

## Date of Last Feed Adjustment

Enter date...

## Nutritional Supplements Added

- ☐ Vitamin A
- ☐ Vitamin C
- ☐ Omega-3 Fatty Acids

## Notes on Fish Feeding Behavior

Write something...

# Biosecurity Measures

Review of protocols to prevent introduction and spread of disease.

## Visitor Restrictions Applied?

- ☐ Full Restriction
- ☐ Limited Access with Log
- ☐ No Restriction

## Number of Visitors Logged Today

Enter a number...

## Last Disinfection Date

Enter date...


## Disinfection Protocol Followed?

- ☐ Standard Protocol
- ☐ Modified Protocol (Specify in notes)
- ☐ N/A

## Notes on Biosecurity Procedures

Write something...

## Upload Proof of Disinfection

 Upload File

# Waste Management

Monitoring of waste levels and efficiency of removal systems.

## Total Waste Volume (Gallons/Liters)

Enter a number...

## pH Level of Effluent

Enter a number...

## Waste Treatment Method

- ☐ Aerobic Treatment
- ☐ Anaerobic Digestion
- ☐ Filtration
- ☐ Settling
- ☐ Other

## Waste Composition (Select all that apply)

- ☐ Fish Feces
- ☐ Uneaten Feed
- ☐ Algae
- ☐ Plant Debris
- ☐ Other

## Date of Waste Removal

Enter date...

### Time of Waste Removal

### Notes on Waste Characteristics or Issues

Write something...

## Environmental Conditions

Assessment of temperature, light, and oxygen levels.

### Water Temperature (°C)

Enter a number...

### Dissolved Oxygen (mg/L)

Enter a number...

### pH Level

Enter a number...

### Salinity (ppt)

Enter a number...



### Light Intensity (relative)

- ☐ Low
- ☐ Moderate
- ☐ High

### Time of Measurement

### Weather Conditions

- ☐ Sunny
- ☐ Cloudy
- ☐ Rainy
- ☐ Foggy

## Record Keeping & Reporting

Verification of accurate and complete records of all observations and actions.

### Date of Inspection

### Time of Inspection

### Water Temperature (°C)

**Dissolved Oxygen (mg/L)**

Enter a number...

**Summary of Observations & Actions Taken**

Write something...

**Overall System Status**

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

**Photos/Videos of System**

 Upload File

**Inspector Signature**