

Aquaculture System Checklist: Fish Farm Water Quality & Health Monitoring

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Water Quality Parameters

Assessment of key water conditions vital for fish health.

Dissolved Oxygen (mg/L)

Enter a number...

pH Level

Enter a number...



Temperature (°C)

Ammonia (ppm)

Nitrite (ppm)

Nitrate (ppm)

Water Clarity (Turbidity)

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

Date of Measurement

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

Description of Any Abnormal Behavior

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

Enter time...

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

Last Disinfection Date

Disinfection Protocol Followed?

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

Notes on Biosecurity Procedures

Upload Proof of Disinfection

 Upload File

Waste Management

Monitoring of waste levels and efficiency of removal systems.

Total Waste Volume (Gallons/Liters)

pH Level of Effluent

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

Time of Waste Removal

Notes on Waste Characteristics or Issues

Environmental Conditions

Assessment of temperature, light, and oxygen levels.

Water Temperature (°C)

Dissolved Oxygen (mg/L)

pH Level

Enter a number...

Salinity (ppt)

Enter a number...

Light Intensity (relative)

- ☐ Low
- ☐ Moderate
- ☐ High

Time of Measurement

Enter time...

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)

Summary of Observations & Actions Taken

Overall System Status

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

Photos/Videos of System

 Upload File

Inspector Signature