

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)

Enter a number...

Ammonia (ppm)

Enter a number...

Nitrite (ppm)

Enter a number...

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

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