

Water Quality Dashboard

Real-time community-validated data for transparent water monitoring

Total Reports

6

5 validated

Active Issues

3

1 critical

Safe Locations

3

Good or excellent quality

Community Impact

87%

Transparency score

[Interactive Map](#) [Quality Heat Map](#) [Location List](#)

Community Water Quality Map

Click on markers to view detailed water quality information

**Quality Legend**

- Excellent (Green)
- Good (Blue)
- Fair (Yellow)
- Poor (Orange)
- Critical (Red)

Active Water Issues

Main Street Junction

Major pipeline leak causing water wastage. Approximately 500 liters per hour.

High

East District

No water supply for the past 3 days. Over 200 households affected.

High

Community Center

Water storage tank showing signs of structural damage and rust.

Medium

[View All Issues](#)

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Water Quality Heat Map

Visual representation of water quality across the region



Quality Distribution

Excellent	1 locations
Good	2 locations
Fair	1 locations
Poor	1 locations
Critical	0 locations

Active Water Issues

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All Monitored Locations

Validated water quality reports from the community

**Central Community Well**

pH: 7.2 | Turbidity: 2.5 NTU

Reported by Priya Sharma on 2/25/2026

good**North District Pipeline**

pH: 6.1 | Turbidity: 8.2 NTU

Reported by Rajesh Kumar on 2/24/2026

⚠ Contains: lead, bacteria

poor**East Village Borewell**

pH: 7.5 | Turbidity: 1.2 NTU

Reported by Anita Desai on 2/23/2026

excellent**South Reservoir**

pH: 6.8 | Turbidity: 4.5 NTU

Reported by Mohammed Ali on 2/22/2026

⚠ Contains: chlorine

fair**Market District Well**

pH: 7.3 | Turbidity: 2.8 NTU

Reported by David Chen on 2/21/2026

good

Active Water Issues

Main Street Junction

Major pipeline leak causing water wastage. Approximately 500 liters per hour.

high

East District

No water supply for the past 3 days. Over 200 households affected.

high

Community Center

Water storage tank showing signs of structural damage and rust.

medium[View All Issues](#)

Report Water Issue

Help keep our community informed by reporting water quality issues or infrastructure problems

 All reports go through community moderator validation before appearing on the public dashboard. This ensures data accuracy and prevents misinformation.

Water Quality Test

Log test results from your measurements

Infrastructure Issue

Report leaks, contamination, or damage

Water Quality Report

Please provide as much detail as possible to help moderators validate your report

Your Name

Enter your name

Location Name

e.g., Central Community Well

Latitude

28.6129

Longitude

77.2090

Overall Quality Assessment

Select quality level

Detected Contaminants (if any)

e.g., lead, bacteria, chlorine (comma-separated)

I have a lab report to upload (optional - contains pH and turbidity data)

Additional Notes

Any additional information that might be helpful...

 **Data Flow Process:**

Your report → Community Moderation review → Validation → Public Dashboard Display → Authority Notification (if critical)

Submit Report



Report Water Issue

Help keep our community informed by reporting water quality issues or infrastructure problems

All reports go through community moderator validation before appearing on the public dashboard. This ensures data accuracy and prevents misinformation.

Water Quality Test

Log test results from your measurements

Infrastructure Issue

Report leaks, contamination, or damage

Issue Report

Please provide as much detail as possible to help moderators validate your report

Your Name

Enter your name

Location Name

e.g., Central Community Well

Latitude

28.6139

Longitude

77.2090

Issue Type

Select issue type

Severity Level

Select severity

Detailed Description

Describe the issue in detail..

Supporting Photos



Click to upload or drag and drop

PNG, JPEG up to 10MB

Additional Notes

Any additional information that might be helpful..

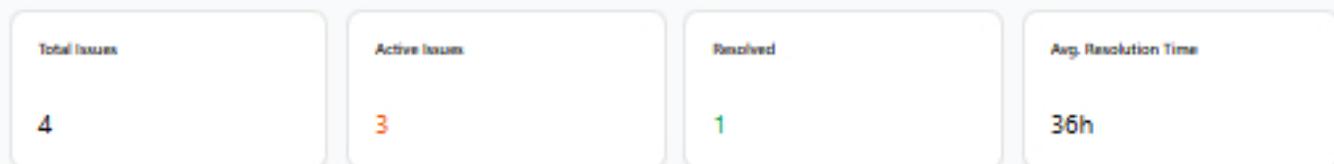
Data Flow Process:

Your report --> Community Moderators review --> Validation --> Public Dashboard Display --> Authority Notification (if critical)

[Submit Report](#)

Issue Tracking

Monitor the complete pipeline from user report to authority notification and resolution



Issue Reporting Pipeline

How reports flow from users to resolution



[Active Issues \(3\)](#) [Resolved \(1\)](#) [All Issues \(4\)](#)

Main Street Junction >

Major pipeline leak causing water wastage. Approximately 500 liters per hour.

[In Progress](#) [High](#) [Leakage](#)

East District >

No water supply for the past 3 days. Over 200 households affected.

[Authority Notified](#) [High](#) [Shortage](#)

Community Center >

Water storage tank showing signs of structural damage and rust.

[Under Review](#) [Medium](#) [Infrastructure](#)

Community Forum

Learn, share, and discuss water sanitation education with the community

[+ New Post](#)

5
Total Posts

2
Educational

5
Comments

263
Likes

 Search posts...[All Posts](#) [Education](#) [Discussion](#) [Tips](#) education

2/28/2026

How to Test Water Quality at Home: A Beginner's Guide

Testing water quality doesn't require expensive equipment! Here are simple methods you can use: 1. **"Visual Inspection"**: Check for cloudiness, particles, or discoloration. 2. **"Smell Test"**: Clean water should be odorless. 3. **"pH Test Strips"**: Available at...

 42  2

by Dr. Priya Menon

 education

2/16/2026

Understanding Water Contamination: Common Sources in Our Region

Based on our community reports, here are the most common contamination sources: • **"Agricultural Runoff"**: Pesticides and fertilizers • **"Industrial Waste"**: Heavy metals from nearby factories • **"Sewage Leakage"**: E. coli and other bacteria • **"Old Pipes"**...

 67  0

by Environmental Watch Group

 news

2/26/2026

Success Story: Community Action Resolved Water Crisis

Thanks to 15 community members reporting the East District contamination, authorities responded within 48 hours! This shows the power of our collective voice. Keep reporting, keep testing, keep our water safe! 🌍

 89  1

by Community Coordinator

 tips

2/16/2026

Tips for Water Conservation During Shortage

With the current water shortage in East District, here are practical tips: ✓ Fix leaky taps immediately ✓ Reuse cooking water for plants ✓ Take shorter showers ✓ Collect rainwater when possible ✓ Use bucket instead of running tap for washing Every drop...

 53  0

by Sustainability Team

 discussion

2/25/2026

Question: What does high turbidity mean?

I just tested my water and got a turbidity reading of 7 NTU. Is this safe? What does it indicate?

 12  2

by Vikram Singh



Moderator Login

Access the AquaGuard moderator panel to review and validate community reports

Email

Password

Demo Credentials:

Email: moderator@aquaguard.org

Password: mod123



Moderator Panel

Review and validate community water quality reports before public display

Data Validation Flow

How crowd-sourced data becomes verified public information

1 Community Member Submits Report

Users log water quality test results with location data, measurements, and observations

2 Moderator Review Queue

Trained community moderators check data accuracy, verify measurements, and assess credibility

3 Validation & Public Display

Approved reports appear on the public heat map and dashboard for community transparency

4 Authority Notification (Critical Issues)

Critical quality issues automatically trigger notifications to local water authorities and health departments

Pending Review

1

Validated Today

0

Total Validated

5

Avg. Review Time

4.2h

[Pending Review \(1\)](#) [Validated \(5\)](#) [All Reports \(8\)](#)

West Community Tap

Reported by Sarah Johnson on 2/26/2025

Pending

Quality Assessment

pH Level: 5.5

Turbidity: 12.8 NTU

Critical

Contaminants Detected:

arsenic, n-citol, heavy metals

Coordinates: 28.6128, -77.2128

Review Details

Validate

Reject