



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](#)

Supporting SDG 6: Clean Water and Sanitation

Community-driven monitoring for transparent water quality data

Water Quality Dashboard

Real-time community-validated data for transparent water monitoring

Total Reports

6

Submitted



Active Issues

3

1 critical



Safe Locations

3

Cleared resilient quality



Community Impact

87%

Transparency score



Interactive Map

Quality Heat Map

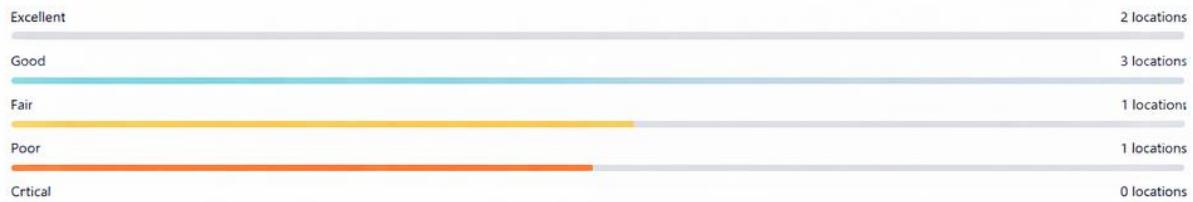
Location List

Water Quality Heat Map

Visual representation of water quality across the region



Quality Distribution



Active Water Issues

Main Street Junction

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

High

East District

No safe 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](#)

Water Quality Dashboard

Real-time community-validated data for transparent water monitoring

Total Reports



6

New reports

Active Issues



1

1 critical

Safe Locations



3

Good or excellent quality

Community Impact



87%

Transparency score

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

All Monitored Locations

Validated water quality reports from the community



Central Community Well

pH-7.2 | Turbidity: 0.3 NTU

Reported by Rishabh Sharma on 22/04/2025

great



North District Pipeline

pH-5.1 | Turbidity: 3.3 NTU

Reported by Rishabh Sharma on 22/04/2025

⚠️ Contamination detected

danger



East Village Borewell

pH-6.9 | Turbidity: 1.1 NTU

Reported by Trevor Nollan on 22/04/2025

excellent



South Reservoir

pH-7.6 | Turbidity: 3.0 NTU

Reported by Trevor Nollan on 22/04/2025

⚠️ Moderate contamination

fair



Market District Well

pH-6.6 | Turbidity: 2.7 NTU

Reported by Sitanshu Nollan on 22/04/2025

good

⚠️ Active Water Issues

Main Street Junction

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

MAJOR

East District

No clean water supply for up to 48 hours. Over 200 households affected.

MAJOR

Community Center

Water shortage 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 it help moderators validate your report

Your Name

Enter your name

Location Name

e.g. Central Community Well

Latitude

28.6139

Longitude

77.2090

Overall Quality Assessment

Select quality level

Detected Contaminant (if any)

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

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

Choose file No file chosen

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

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, or HEIC

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.

Total Issues

4

Active Issues

3

Resolved

1

Avg Resolution Time

36h

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](#) [Solved](#) [Resolved](#)



East District >

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

[No Water](#) [Dilation](#) [Delayed](#)



Community Center >

Water storage tank showing signs of structural damage and rust.

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

Supporting SDG 6: Clean Water and Sanitation

Community-driven monitoring for transparent water quality data

Community Forum

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

[+ New Post](#)

5

Total Posts

2

Educational

5

Comments

263

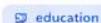
Likes

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

2/20/2024

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

Testing water quality doesn't require expensive equipment! Here are simple methods to use: 1. Visual Inspection - Check for cloudiness, particles, or discoloration. 2. Smell Test - Can water be foul or odors. a "Tap Test" Sort spost's. Aut o...
 42  2 by Priya Menon



2/20/2024

Understanding Water Contamination: Common Sources in Our Region

In our community alh8 rnerprly, here are the most common contamination sources:
* Agricultural runoff pesticides and fertilizers * Industrial effluents * Storage Leaks, * Storage Leakage * Wells Reported as dry water, into the ground surface -
 79  0 by Environmental Watch Group



2/20/2024

Success Story: Community Action Resolved Water Crisis

Thanks to community members reporting that East District contamination, authorities responded quickly. Sheet the to pointt of our collective efforts. Keep it up!
Keep testing, keep our water safe! 
 18  1 by Community Coordinator



2/18/2024

Tips for Water Conservation During Shortage

With the current water shortage in East District, here are practices to help save water:
irrigation, easy. Capur elease it's water / water leaks n no flat to leaks / be to
notrely / Paticue habits / Do bucket water during time for needed, during the rain ...
 95  3 by Sustainability Team



2/16/2024

Question: What does high turbidity mean?

I just tested my water and got a turbidity reading of 7 NTU. What does it indicate?
 12  2 by Vikram Singh



2/16/2024

Question: What does high turbidity mean?

 12  12 by Vikram Singh



Moderator Login

Access the AquaGuard moderator panel to review and validate community reports.

Email

moderator@aquaguard.org

Password

Enter your password

Sign In

Demo Credentials:

Email: moderator@aquaguard.org

Email: mod123

Supporting SDG 6: Clean Water and Sanitation
Community-driven monitoring for transparent water quality data



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 2/26/2026

Pending

Quality Assessment

pH Level: 5.5

Turbidity: 12.8 NTU

Critical

⚠ Contaminants Detected:

arsenic, e.coli, heavy metals

Coordinates: 26.612N, 77.212E

Review Details

Validate

Reject

Supporting SDG & Clean Water and Sanitation
Community-driven monitoring for transparent water quality data