AquaSafe

Powered by OmniTech Solutions

CLEAR DATA. SMARTER DECISIONS:

A MODERN GUIDE FOR WATER DISTRICTS



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1 INTRODUCTION

Every day in the United States, more than a billion glasses of water are poured, sipped, and relied upon to keep families, schools, and entire communities healthy. Behind every drop, dedicated operators, superintendents, and water professionals work tirelessly to ensure water remains clean, dependable, and safe for the public.

Yet, despite the importance of this role, the processes used are often inadequate.

Water-quality testing data, vital for compliance and community safety, is frequently scattered across multiple, disconnected systems. And, with new contaminants emerging like 1, 4 dioxane, PFAS, and PFOA, expectations rise and water data must be more organized and accessible than ever before.

COMMON DISCONNECTS

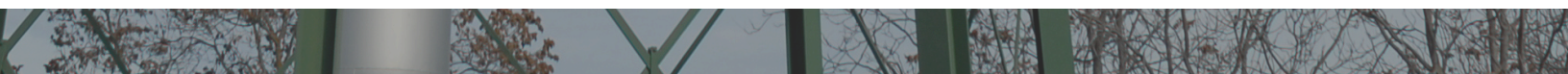
- Lab reports arriving by email or PDF
- Field data stored in spreadsheets
- Historical data locked in legacy systems
- Alerts buried in inboxes
- Engineers updating separate platforms
- DOH requirements managed manually

These disparate data sources and workflows create friction, delay, and stress, especially when operators are already managing dozens of priorities every single day.

These inefficiencies can:

- Slow response to water-quality issues
- Make compliance reporting difficult
- Increase the chance of human error
- Create gaps in records
- Lead to violations
- Reduce transparency & confidence

Water districts deserve better support and so do the communities they serve.



2 EVOLVING WATER-QUALITY STANDARDS

Water-quality standards are continuously evolving to protect public health and respond to emerging contaminants. Substances like PFAS, PFOA, and 1,4-dioxane are increasingly monitored, while regulatory agencies raise expectations for reporting, testing frequency, and transparency.

Operators now face tighter timelines for sampling and reporting, and compliance requirements can vary by county, state, and federal guidelines. This adds an unprecedented burden on operators.



THE RESULT

Water districts must not only deliver safe water but also manage data efficiently, ensure rapid reporting, and adapt quickly to changing regulations to avoid violations.

The ability to stay ahead requires centralized, accurate, and actionable data that connects labs, engineers, and regulatory entities seamlessly.

3 COMMON CHALLENGES

Even with skilled staff and best intentions, water districts encounter significant challenges in managing water-quality data.

COMMON CHALLENGES

Dispersed Data

Test results, lab reports, and field notes often reside in different systems or formats.

Manual Processes

Paper logs & spreadsheets increase the risk of errors and missed alerts.

Delayed Alerts

Critical issues may be identified too late due to fragmented workflows.

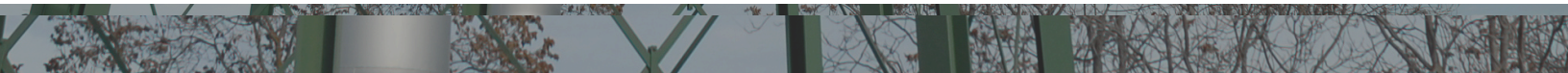
Limited Collaboration

Engineers, labs, and health departments often work in separate silos, slowing problem-solving.

Compliance Pressure

Meeting regulatory deadlines while managing daily operations is stressful.

These challenges create **inefficiencies**, **stress**, and **potential risks** that highlight the need for a solution that brings everything together in one cohesive system.



4 ADVANTAGES OF CENTRALIZING WATER DATA

Centralizing water-quality data can transform operations for water districts/departments, making processes more efficient and reliable, including:

- **Improved Visibility**: Operators see all data (lab results, field testing, and regulatory updates) in one place.
- **Proactive Alerts**: Proactive notifications help operators address potential issues before they escalate.
- **Streamlined Compliance**: Centralized records simplify reporting to the Department of Health (DOH).
- **Reduced Errors & Risk**: Digital workflows decrease human error and strengthens overall reliability.

By freeing operators from time-consuming manual work, centralized data can help water districts stay efficient and focused on their core mission: delivering clean, reliable water to their communities.

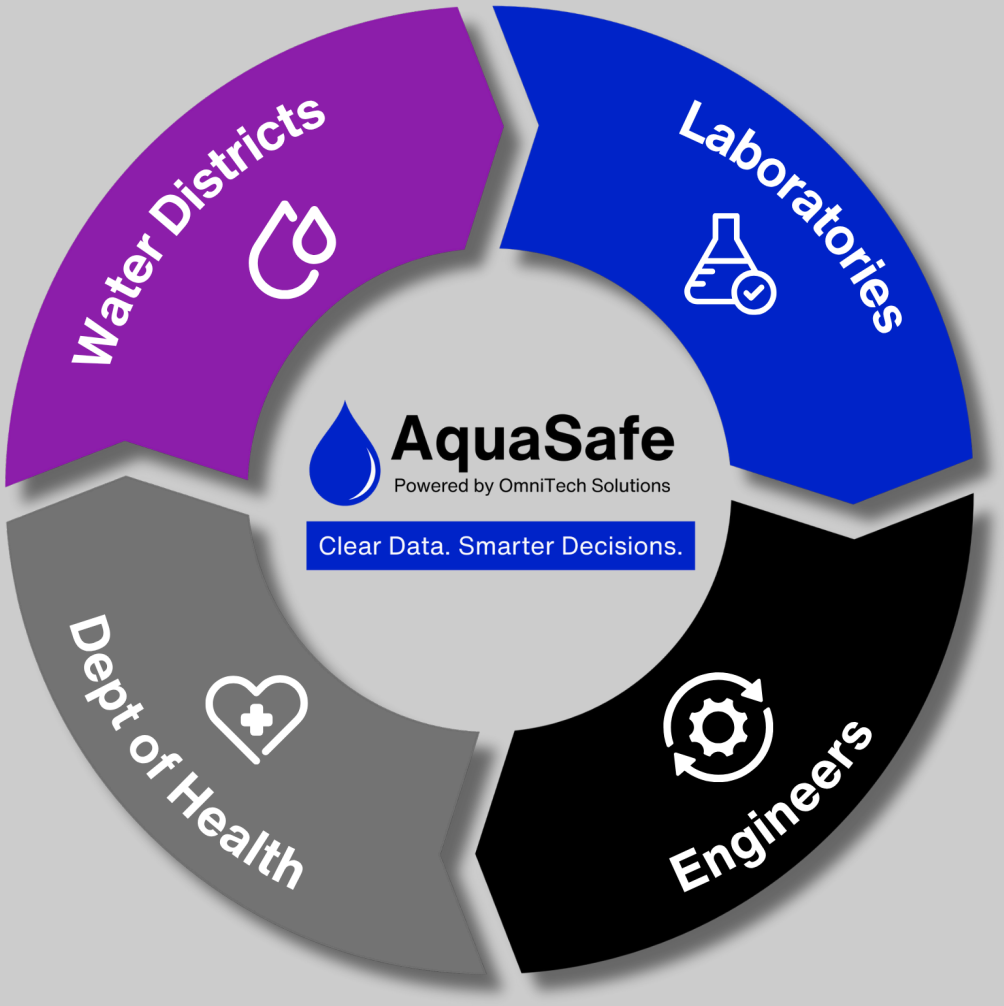
Centralized data isn’t just an upgrade.

It’s a turning point that empowers water districts to think ahead, act faster, and operate with confidence.



5 THE SOLUTION

AquaSafe brings all parties and information together into one centralized, modern platform — connecting every part of the water-quality ecosystem.



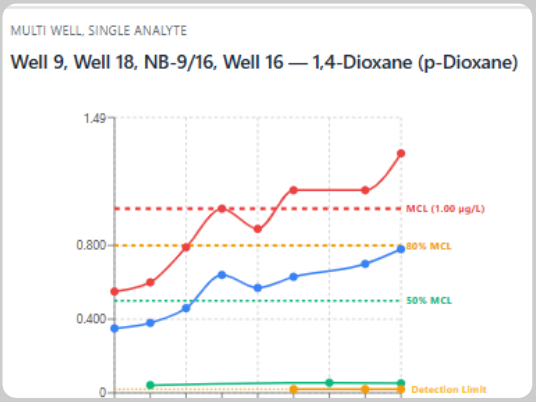
KEY BENEFITS

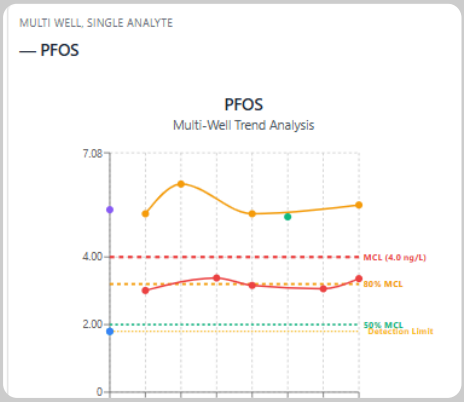
- Reduced Manual Data Entry - Reduced Errors
- Proactive Alerts for Testing Schedules
- Consistent, Audit-Ready Reports
- Track & Analyze Contamination Trends Over Time
- Help Protect Your Time, Your Peace, & Your Reputation

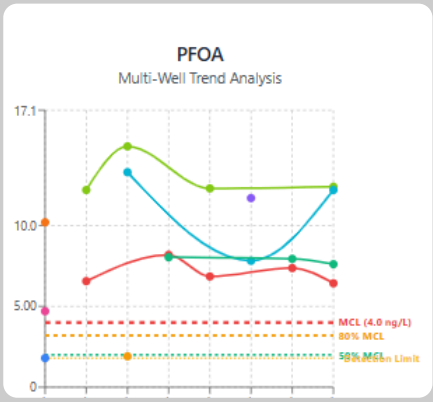
5 THE SOLUTION (CONTINUED)

DATA-DRIVEN DECISIONS, PROACTIVE ALERTS, & PEACE OF MIND

AquaSafe organizes and visualizes lab-reported data, including pH, turbidity, chlorine residual, heavy metals, and emerging contaminants like 1,4-Dioxane, PFOS, and PFOA, helping you avoid violations and protect public health.







Flags Contaminants

That near unsafe levels with categorized alerts (warning, critical, or violation) using color-coded indicators and customizable thresholds to help you respond proactively.

Monitors For Emerging Risks

Specifically, high-priority contaminants like Perchlorate, 1,4-Dioxane, PFOS, and PFOA and detects potential system inefficiencies before they escalate.

Tracks Changes

Over time with historical data to identify trends and anticipate issues.

Generates Reports

Automatically and that align with EPA, DEP, and Department of Health standards.

6 ABOUT AQUASAFE

Our journey with AquaSafe, powered by OmniTech Solutions, began with a simple but powerful idea: to bring a meaningful solution to the water industry by solving the everyday challenges that water districts face. With decades of experience in IT consulting and service delivery, our team saw firsthand how manual processes were holding water districts back, especially when it came to water testing and reporting.

The lack of centralized, reliable data management was creating stress, inefficiency, and risk of violations. That's why we created AquaSafe. AquaSafe is a platform built with a clear mission to equip water districts with the technology they need to meet today's demands and prepare for tomorrow's.

AquaSafe
Powered by OmniTech Solutions

Clear Data. Smarter Decisions.

> *"We are absolutely blown away with AquaSafe and the work, time, and commitment that OmniTech Solutions has dedicated to create the application. AquaSafe has really helped us move from reactive to proactive—saving time, reducing stress, and giving us peace of mind."*
>
> *John Ingram: Advisor to the Board, Westbury Water District*

Contact Us Today!

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Watch Our Video

