



PROJECT SUMMARY

EPA and states are cooperating on the planning phase of a new process to replace the Safe Drinking Water Information System (SDWIS) state software. The process is being guided by the SDWIS Modernization Board, which includes state and EPA leaders in drinking water programs and enterprise information management.

PROJECT LEADS

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RESOURCES

[SDWIS on the public EPA website](#)

SAFE DRINKING WATER INFORMATION SYSTEM (SDWIS) MODERNIZATION

Delivering new system capabilities supporting EPA's Public Water System Supervision Program

Challenge

State drinking water programs need support to oversee public health compliance at nearly 150,000 public water systems. To help, EPA has been providing states with Safe Drinking Water Information System (SDWIS) state software since the 1990s to reduce data management burden and promote national consistency in state implementation of the Public Water System Supervision Program under the Safe Drinking Water Act. This suite of software enables drinking water programs to: manage water system inventory information; receive and manage large volumes of system compliance monitoring data; manage sampling and monitoring schedules; determine candidate drinking water rules violations via the Compliance Determination Subsystem; and track enforcement. It also provides tools to assist with required quarterly reporting of violations, inventory, and actions data to EPA's SDWIS Fed database. This software is in critical need of modernization.

Benefits

The SDWIS Modernization effort aims to identify a technical solution that meets the needs of all stakeholders while using a development approach that aligns with and operationalizes the principles identified in the [E-Enterprise Digital Strategy](#).

This modernization effort is expected to reduce state data management work and enhance the timeliness and accuracy of drinking water data transferred among drinking water systems, primacy agencies, and EPA.

Accomplishments

The first phase of SDWIS Modernization was completed in July 2020. This phase focused on developing an Alternatives Analysis of technical options in order to select the best option for modernizing SDWIS. A SDWIS Modernization Board made up of EPA and state representatives guided the process. After the analysis was complete, the Board recommended to EPA the option for EPA to replace SDWIS State with a centralized system.

What's Next?

Phase two kicked off in Fall 2020 and focuses on the next steps to begin the development of the SDWIS Modernization solution. The SDWIS Modernization Board and EPA will establish governance to guide this development process.