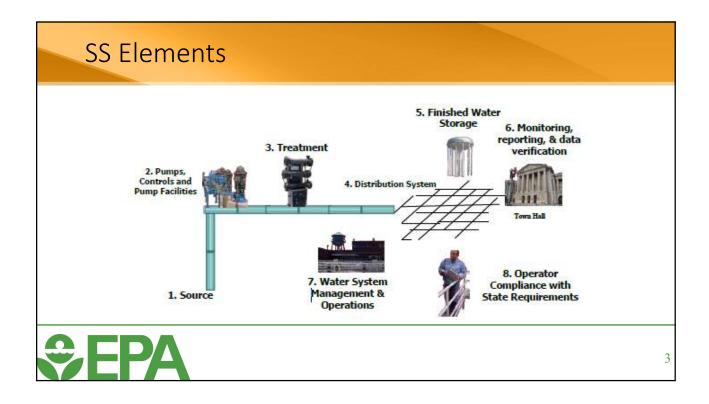


Sanitary Survey (SS) Overview

- A sanitary survey is an on-site review of a public water system's:
 - Water source(s)
 - Facilities
 - Equipment
 - Operation and maintenance
- Sanitary surveys assess a system's capability to provide safe drinking water
- Every 3 years for community systems, 5 years for non-community systems





Preparing for a SS

- Each system to be surveyed will receive an email months prior to the survey
- Review the email and attachments to prepare for the survey
- 2-page checklist

Preparing for your Drinking Water Sanitary Survey (Wyoming)

720 987-4598 gassie.lucien@epa.gov Lucien Gassie EPA Region 8 Contacts: **Brett Van Houghton** 720 825-5701 vanhoughton.brett@epa.gov Michael Copeland 303 312-6836 Your public water system is due for a sanitary survey this year. Completing the checklist below prior to the

sanitary survey may prevent significant deficiencies from being identified during the survey. Preparation Checklist

General Information Who should attend your sanitary survey? At least one system

representative who is an operator, owner, or administrative contact. Please prepare for questions about general operations management, security, and specific technical questions.

Records

- ☐ Prior sanitary survey report ensure all deficiencies have been addressed
- System population and number of service connections Water use records (flow rates/volume distributed)
- Applicable monitoring plans
 - Revised Total Coliform Rule & Lead/Copper Rule sampling plans w/maps Disinfection byproduct monitoring plan
- □ Date of most recent tank cleanings and tank cleaning/inspection reports
 □ Water treatment chemical information (product, dosage)
- Other paperwork as applicable based on system type (for example, O&M plan for point of use systems, SWTR records for the past 3 years for surface water and ground water under the direct influence of surface water systems)
- List of operators, certification levels and expiration dates (if applicable)



Preparing for a SS

To avoid an "unknown integrity" significant deficiency:

Surveyors are not required to climb above ground or elevated storage tanks. Please check with your surveyor prior to the site visit to determine if you will need to arrange to have system staff or contractors climb your storage tanks to allow for inspection of rooftop components. If your surveyor will not be climbing storage tanks, please have recent (within 1-year) photos of rooftop components available during the survey for review. These photos must include hatch height, hatch gasket (entire perimeter of the hatch), vent height, and vent screening (with a measurement reference in the screen photo).

The surveyor will evaluate the following:

Element	Description	
Water source(s)	Evaluate water sources to ensure proper source protection	
Treatment facilities	Evaluate treatment processes, facilities, components, and techniques	
Distribution system	Evaluate the reliability and safety of the distribution system	
Finished water storage	Evaluate the reliability and integrity of finished water storage tanks	
Pumps and pump facilities	Evaluate operation and maintenance of water system pumps and pumping facilities	
Monitoring, reporting, and data verification	Review paperwork, monitoring plans, and regulatory compliance	
System management and operation	and Review paperwork and plans to demonstrate that adequate maintenance is performed, and system operational needs are being met	
Operator compliance	Review operator status to ensure operator certifications are current and at the appropriate levels	



Preparing for a SS

- · Have records available for answering survey questions and surveyor review
 - Number of connections/customers
 - · Sample plans
 - SCADA data/water flow rates and volumes
 - Storage tank cleaning records
 - O&M plans
 - EPP/ERP
- Make sure all facilities can be accessed and are clean and operational



Significant Deficiencies (SDs)

- GWR Groundwater Rule (https://www.epa.gov/dwreginfo/ground-water-rule)
- SWTR Surface Water Treatment Rule (..../surface-water-treatment-rules)
- Significant deficiencies (SDs) include, but are not limited to, defects in the design, operation, or maintenance, or a failure or malfunction of the sources, treatment, storage, or distribution system that EPA determines to be causing or have the potential for causing the introduction of contamination into the water delivered to consumers.



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SDs in the Survey Report

- Located starting on the first page of the cover letter, and after the contact info and system details in the report
- 2025 report template available on the WaterOps website: https://www.epa.gov/region8-waterops/wyoming-sanitary-survey-form
- New form is 508 compliant

 Also lists all standard SDs and recs starting on page 7

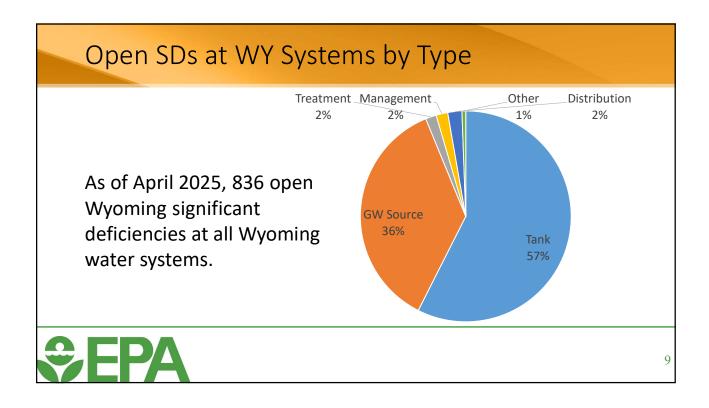
System Name: PWS ID:
Date of Survey: Document Control Number: R8FQPForm-1010 R10

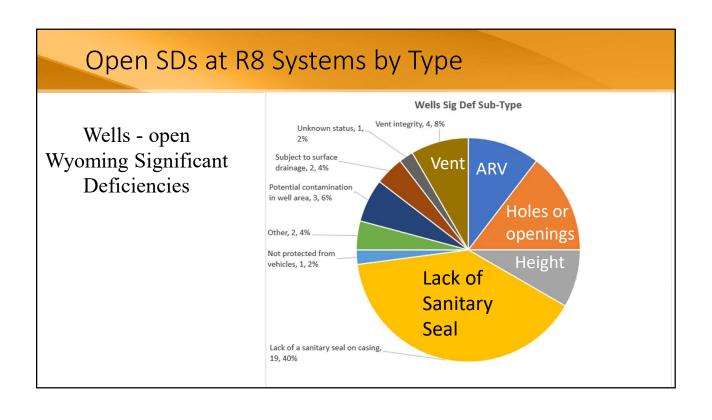
Significant Deficiencies

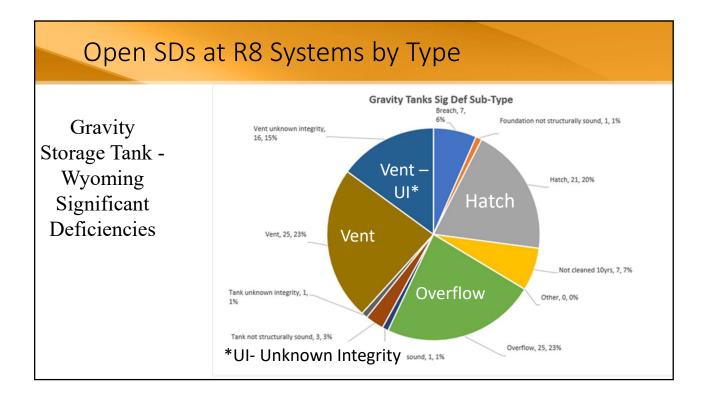
Significant deficiencies include, but are not limited to, defects in the design, operation, or maintenance, or a failure or maifunction of the sources, treatment, storage, or distribution system, that the EPA determines to be causing, or have the potential for causing, the introduction of contamination into the water delivered to consumers. Please note the instructions for responding to significant deficiencies in the attached cover letter. Failure to provide a response that includes documentation of corrective actions to the EPA could result in a violation of

Prior to making physical modifications to your water system, a permit issued by the Wyoming Department of Environmental Quality (WY DEQ) may be required. Contact the respective WY DEQ District Engineer for your area to determine if a permit is needed before making corrections for significant deficiencies followed by an asterisk (*). The email and phone number for the DEQ Distric Engineer may be found in your Sanitary Survey Report.









After the SS

- The draft survey documents prepared by the surveyor are reviewed by EPA Region 8
- The water system will receive a final survey report at some time after the sanitary survey**
- A 6-month initial timeframe is allotted to correct any significant deficiencies identified in the sanitary survey extensions may be requested if the system needs more time
- If the water system doesn't respond to the EPA within 6 months of receiving SDs, a notice of violation will be sent



What's New?

- EPA staff can provide training and mitigate SDs for water systems
- EPA staff doing more surveys can identify/assist with SDs on site
- Results:

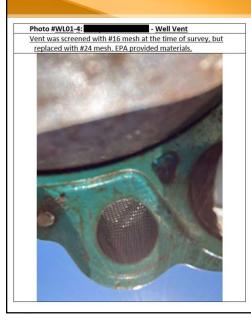
In 2024, approximately 350 SDs were mitigated at approximately 90 Wyoming public drinking water systems due to EPA staff providing onsite training materials while conducting the survey

Estimated to save over 200 hours of FTE time closing deficiencies – huge increase in efficiency



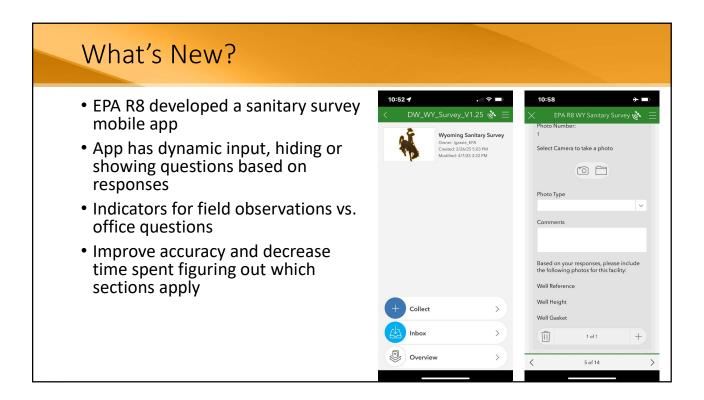
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What's New?









What's New?

- Reports printed from the app are basically ready for mailing
- Additional staff EPA in the field more, increased efficiency
- Delegation of signing surveys down to staff level
- Automated mailing system
- Results:

2024 vs 2021 (year with closest completion) – 600% increased efficiency

Year	Surveys Mailed	Fastest Time	Average Time
2024	219 (95%)	0 days (same day mailing)	124 days
2023	16 (8%)	78 days	422 days
2022	139 (66%)	108 days	774 days
2021	207 (100%)	93 days	857 days

Questions?

EPA Region 8 Drinking Water Websites

Drinking Water Online: https://www.epa.gov/region8-waterops/

Drinking Water Watch: https://sdwisdww.epa.gov/DWWR8WY



