


# U.S. EPA Update: Office of Ground Water and Drinking Water

Jennifer L. McLain, Director | September 29, 2020

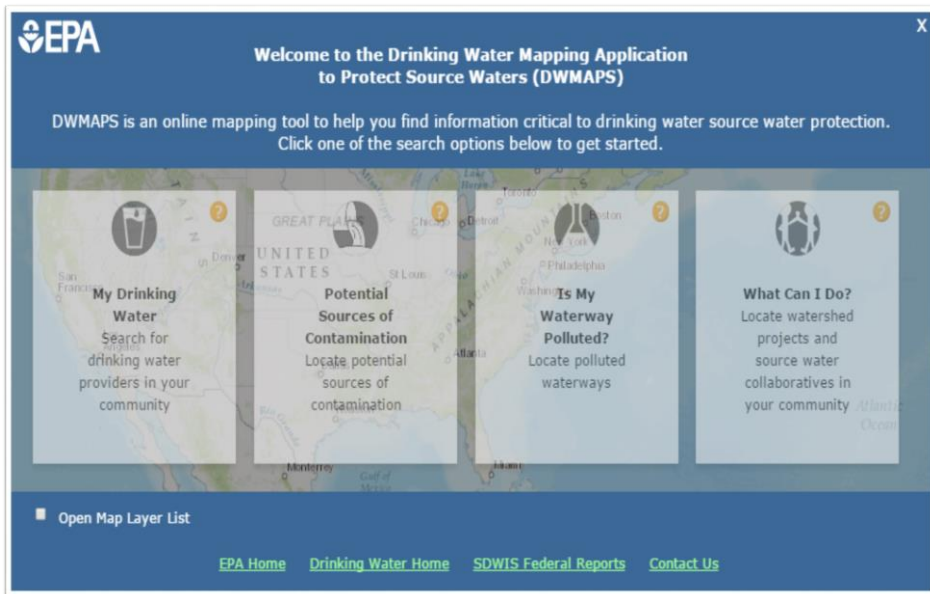




# EPA'S DRINKING WATER PROTECTION PROGRAM THEMES

- Driving Decisions through Data
- Fostering a Culture of Innovation
- Developing Leaders
- Building Coalitions

# Drinking Water Mapping Application to Protect Source Waters



**EPA**

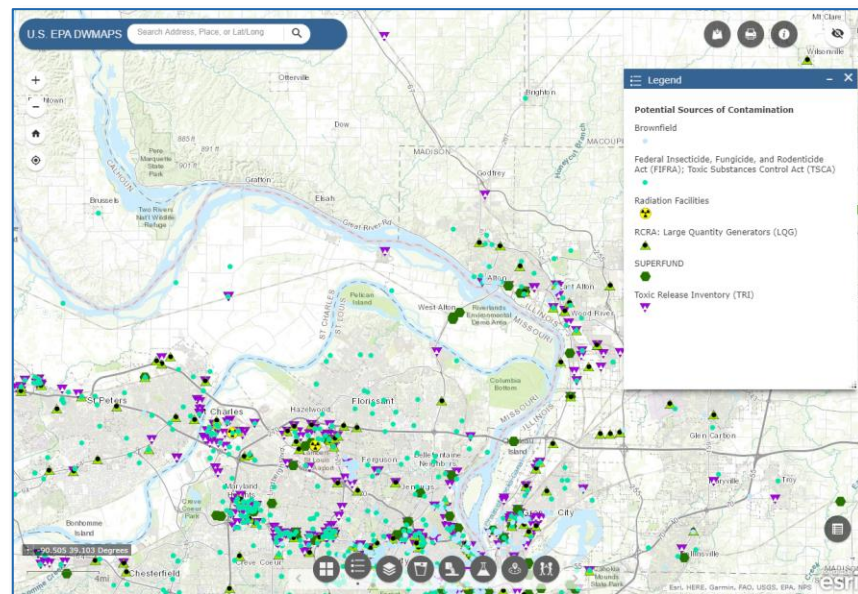
## Welcome to the Drinking Water Mapping Application to Protect Source Waters (DWMAPS)

DWMAPS is an online mapping tool to help you find information critical to drinking water source water protection. Click one of the search options below to get started.

- My Drinking Water**  
Search for drinking water providers in your community
- Potential Sources of Contamination**  
Locate potential sources of contamination
- Is My Waterway Polluted?**  
Locate polluted waterways
- What Can I Do?**  
Locate watershed projects and source water collaboratives in your community

Open Map Layer List

[EPA Home](#) [Drinking Water Home](#) [SDWIS Federal Reports](#) [Contact Us](#)



<https://www.epa.gov/sourcewaterprotection/dwmaps>



## UIC Data Application- Qlik Stream

Data last loaded: Feb 2, 2020, 10:06 PM

Published: Aug 12, 2019, 11:01 AM

Published to: OW\_OGWDW\_UIC

Sheets Bookmarks Stories

Create new sheet

### ▼ Base sheets (15)



Cover Page



Inventory



Permits



Violations



Enforcement  
Actions



SNC Enforcement  
Actions



Other Compliance  
Evaluation Data



Inspections



Mechanical  
Integrity Data

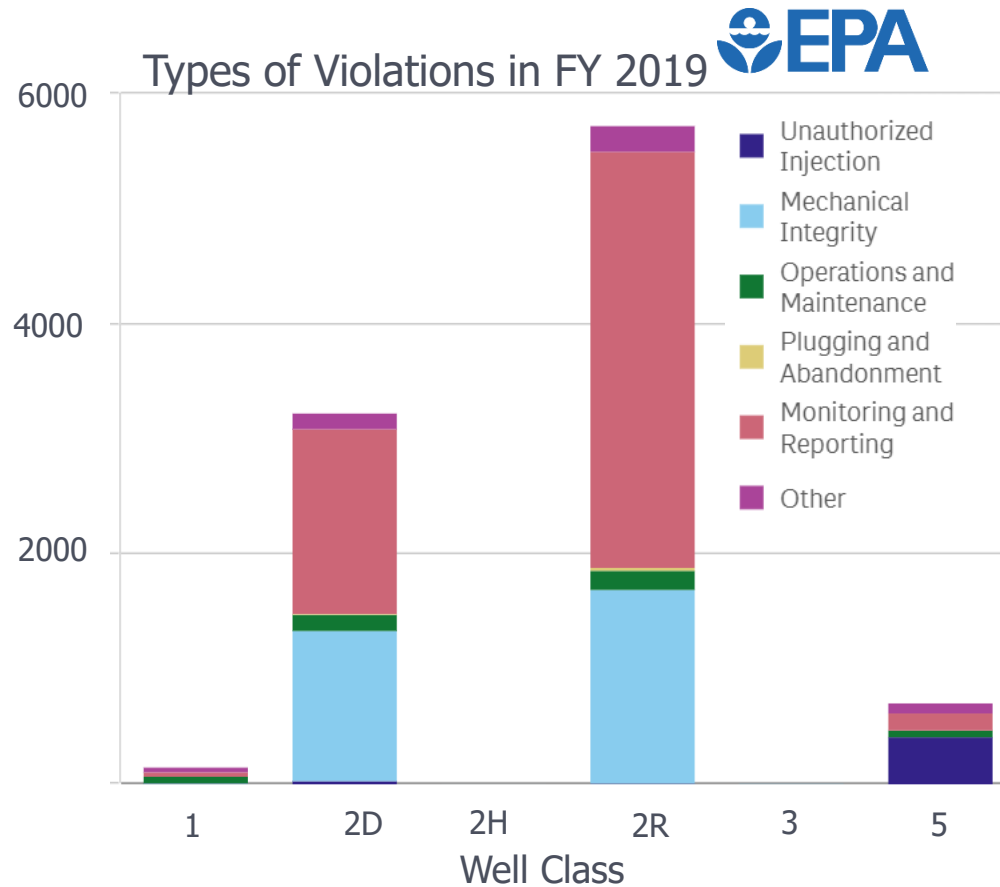


MIT-Significant  
Leak

Data  
Visualization  
Tools to Increase  
Effectiveness:  
Qlik Reports

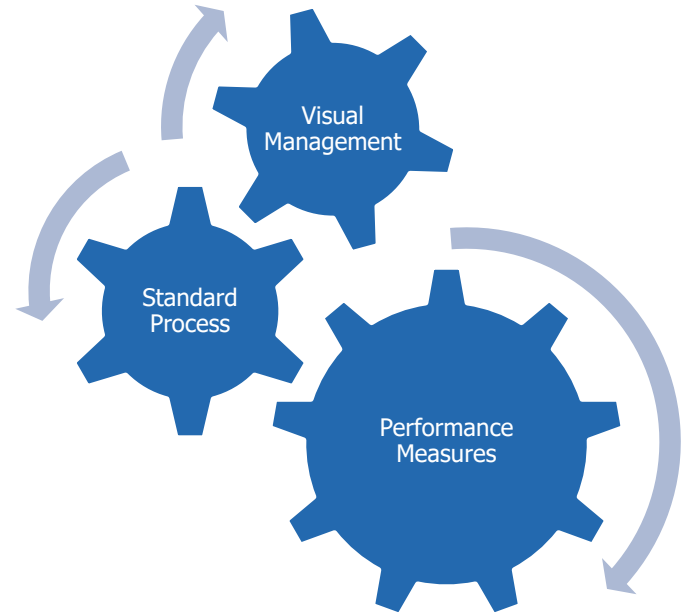
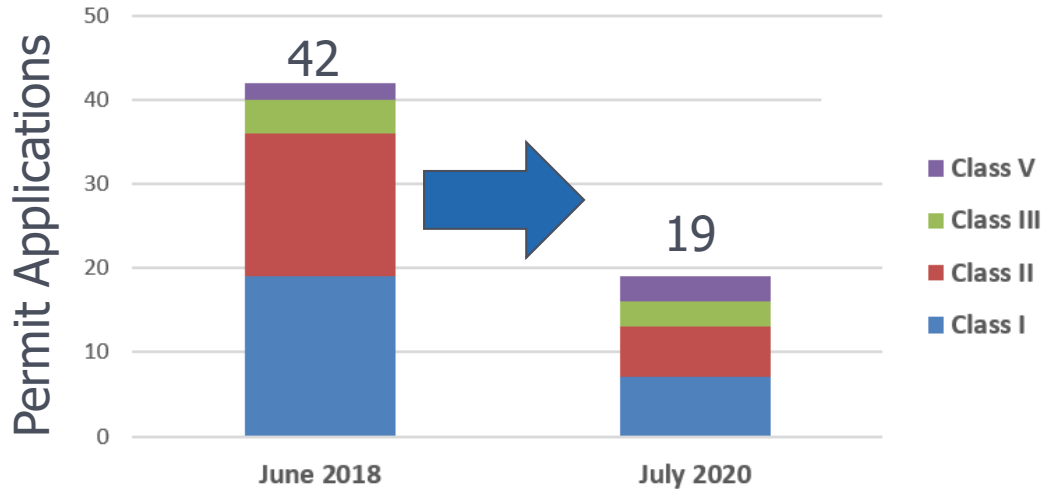
# Data Visualization Tools to Increase Effectiveness

- Qlik reports available in the UIC Data Application
- Greatest numbers of violations
  - monitoring & reporting, overall
  - mechanical integrity for Class II
  - unauthorized injection for Class V



# UIC Permitting

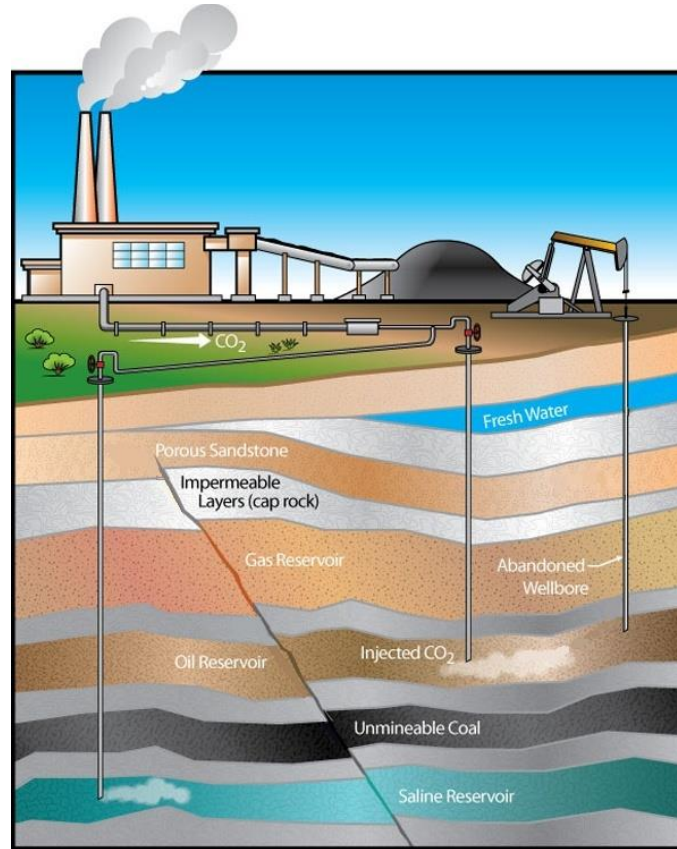
## UIC DI Permit Applications >180 Days





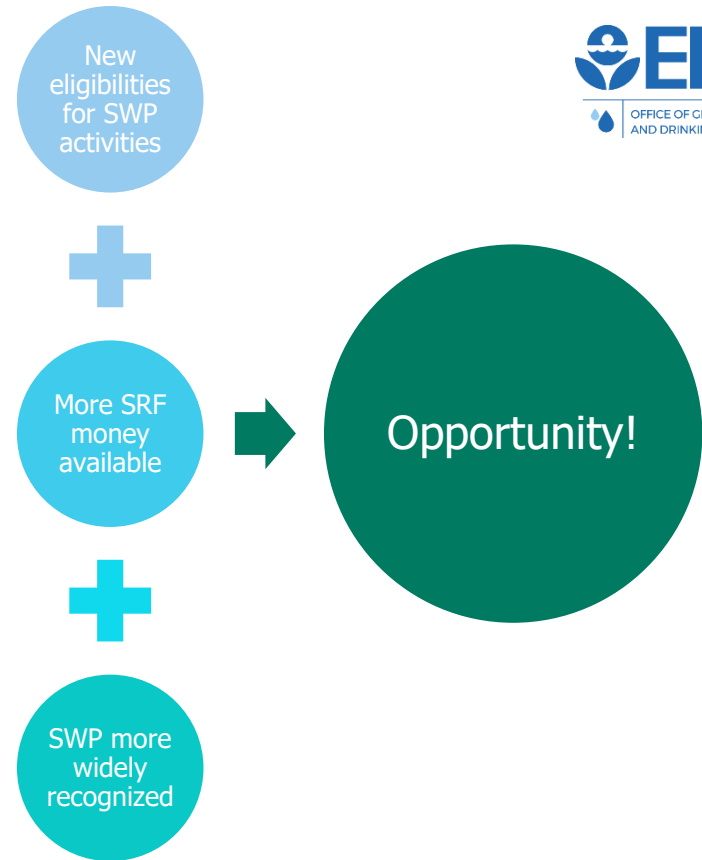
# UIC Class VI Wells

- Incentives increase interest in GS
- EPA UIC Class VI Program:
  - Continues to prepare staff
  - Opened GSDT to states with Class VI primacy
  - Is developing support tools for EPA Regions, states, and permit applicants
  - Continues to coordination with other federal agencies on GS



# Source Water Funding Opportunities

- Now is the time for conversations between SWP programs and the DWSRF administrators in states about the opportunities to dedicate set-aside money for source water protection.
- EPA encourages states to re-think how they are utilizing their set-asides and consider new opportunities for leveraging these dollars for SWP






# UIC Training Initiative




## Underground Injection Control

### Introduction to the Underground Injection Control (UIC) Program and Injection Well Permitting



Lesson 1 Introduction to UIC




## UIC Training Dashboard on FedTalent

The Underground Injection Control (UIC) Training

The Underground Injection Control (UIC) Program has developed a series of UIC training modules intended for UIC permit writers and inspectors from federal, state, territory, and tribal UIC programs. The modules cover UIC basics: permitting; inspection and enforcement; construction and operation; and several technical "pedal" topic areas.

The UIC introductory modules are intended to acquaint new UIC staff with prerequisite information about the UIC program. Other categories are topic-specific and geared for UIC staff looking for more in-depth UIC program training.


There are no formal quizzes associated with these training modules and site users are free to return to the site, and any individual module, at any time.



ADMINISTRATION

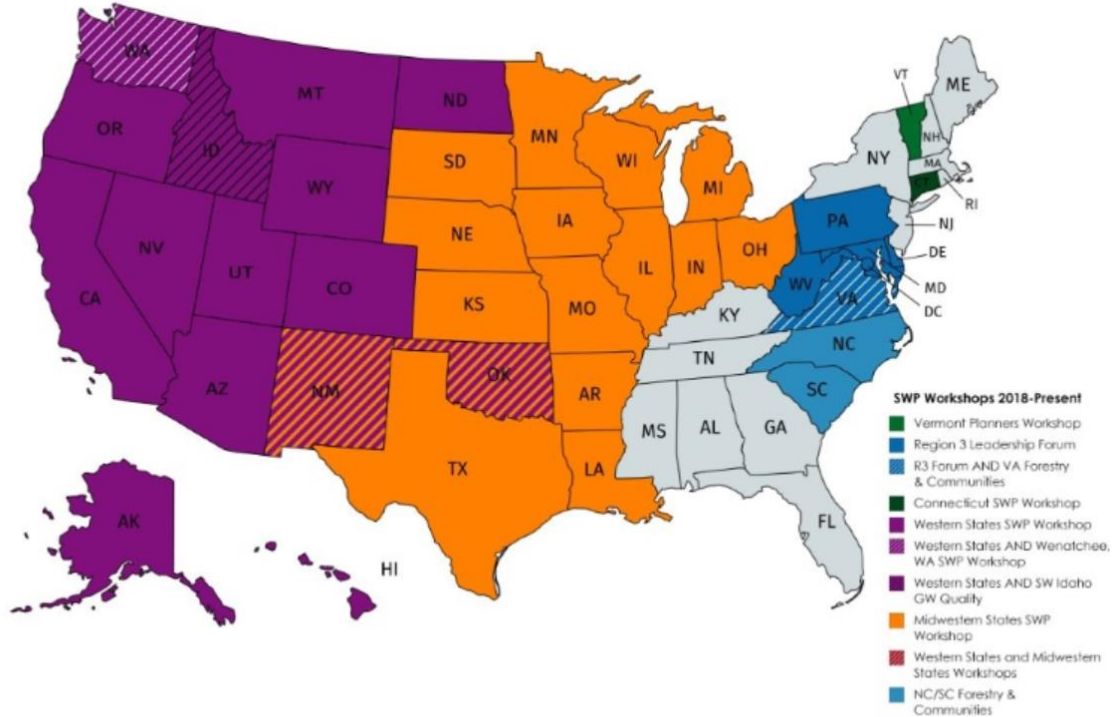
- Make Dashboard my default page

### UIC TRAINING MODULES

Introduction	Construction and Operation	
1. Introduction to the UIC Program	25. Well Design, and Completion Methodologies	
2. Primary Enforcement Responsibility	26. Cement Bond Log Evaluation	
3. Reviewing Geologic Data	27. Mechanical Integrity Testing Logs and Techniques	
4. Reviewing Hydrogeologic Data	28. Corrective Action	
5. Petroleum/Reservoir Engineering Concepts	29. Cementing Design	
<b>Permitting</b>		
6. USDW Determination	30. Plugging and Abandonment	
7. Area of Review	31. Contingency Plans and BMPs	
8. Determining the Maximum Injection Pressure	32. Pressure Transient Testing for Injection Wells	
9. Injected Fluid Containment/Evaluation of Confining Zone	33. Open Hole Well Logging, Coring, and Reservoir Fluid Sampling Techniques and Data Analysis	
10. Disposal Zone Rock and Fluid Properties	34. Well Work-Stimulation	
11. Monitoring and Operating Requirements	35. Injection Reservoir Assessment and Monitoring Methodologies	
12. Financial Responsibility	<b>Advanced Permitting</b>	
13. Public Participation	36. Vertical vs Horizontal Injection Wells -Key Concepts	
14. Well Siting	37. Reservoir Fluid Sampling and Methodologies	
<b>Inspection and Enforcement</b>		
15. Pre-Inspection Activities	38. Special Topics	
16. Inspection Fundamentals	<b>Special Topics</b>	
17. SPCC Plans	39. Aquifer Exemption Basics	
18. Legal Authority for Inspectors Wellsite Safety	40. UIC No Migration Petitions	
19. Wellsite Safety	41. In Situ Mining Operations and Class II Wells	
20. Injection Well Fluid Sampling	42. Class V Wells	
21. Injection Well Surface Facilities		
22. Injection Well Equipment – Wellheads, Rate Meters, Surface Pressure Gauges, Packers, and Tubulars		
23. UIC Enforcement		
24. Virtual Inspection		

More information can be found at: <https://www.epa.gov/uic> <https://epafedtalent.ibc.doi.gov/>

# FY18 Source Water Protection Partnership Workshops



Created with [inspiration.net](http://www.inspiration.net)

Now 29 Members!



# National Water Reuse Action Plan

Improving the Security, Sustainability, and Resilience of Our Nation's Water Resources

## Collaborative Implementation (Version 1)



# National Water Reuse Action Plan



# Aquifer Storage and Recovery





**THANK YOU**