EPA’S DRINKING WATER PROTECTION DIVISION

• Improving efficiency and transparency
• Building strong partnerships and engaging stakeholders
• Investing in training and education
• Balancing protection and sustainability
Improvements in Efficiency

- Increase timeliness
- Improve processes
- Enhance transparency
- Facilitate coordination
- Manage resources responsibly

Adaptive strategies

Proactive responses
Modern systems
Streamlined approaches
Efficient resource use
UIC Permitting

UIC DI Permit Applications >180 Days

<table>
<thead>
<tr>
<th>Permit Applications</th>
<th>June 2018</th>
<th>July 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td></td>
<td>26</td>
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</table>

- Class V
- Class III
- Class II
- Class I

Performance Measures

Visual Management

Standard Process
45Q Tax Credit for Carbon Oxide Sequestration

- Provides tax credits to eligible CCUS projects, including carbon oxide disposed of in secure geological storage
- Congress amended 45Q with the 2018 Bipartisan Budget Act (BBA)
- Department of Treasury and IRS “anticipate issuing regulations and other guidance to implement the provisions of 45Q” (IRS Notice 2019-32)

<table>
<thead>
<tr>
<th>Then</th>
<th>Now</th>
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<tbody>
<tr>
<td>Captured <em>carbon dioxide</em> eligible for credit</td>
<td>Captured <em>carbon oxides</em> eligible for credit</td>
</tr>
<tr>
<td>$20 per ton stored</td>
<td>Up to $50 per ton stored</td>
</tr>
<tr>
<td>$10 per ton utilized for EOR</td>
<td>Up to $35 per ton utilized (EOR or other)</td>
</tr>
<tr>
<td>Capped at 75 million tons in total</td>
<td>Credit can be claimed for up to 12 years</td>
</tr>
<tr>
<td></td>
<td>Projects must start construction before Jan. 1, 2024</td>
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</table>
Streamlining & Modernizing UIC Data

**Old Process**
- 7520 Forms (7520 Data)
- National UIC Database (7520 & Inventory Data)
- IMRS (Inventory Data)

**New Process**
- New UIC Data Application (7520 & Inventory Data)

Improving Efficiency and Transparency
Data Visualization Tools to Increase Effectiveness

Qlik Reports, available in the UIC Data Application
UIC Primacy Applications and Program Revisions

- **Pre-Application Activities**
  - West Virginia (1422/1425)
  - Puerto Rico (1422)
  - Arizona (1422)
  - Louisiana (1422)

- **Completeness Determination**
  - New Mex. (1422)
  - Michigan (1425)
  - Wyoming (1422)

- **Application Evaluation**

- **Rulemaking and Codification**
  - North Dakota (1422)

Program Revisions; New Primacy Applications

Improving Efficiency and Transparency
In February 2019, EPA finalized a framework for conducting UIC comprehensive program evaluations, the CPE brings transparency to the oversight process and establishes consistency in EPA state primacy reviews. The CPE is applicable to primacy programs approved under both SDWA 1422 and 1425 and well classes I, II, III, and VI. EPA is planning a Class V addendum to the CPE.

The final CPE framework was used to successfully evaluate Alaska's 1425 program earlier this year.

The UIC CPE is consistent with the principles of cooperative federalism by providing:

- **Transparent Environmental Protection** whereby states gather, maintain, and share information transparently with EPA and the public on how human health and the environment are protected, based upon nationally agreed upon criteria; and

- A **program-level approach to oversight** whereby EPA, as part of the CPE, avoids reviewing individual program decisions made by states pursuant to delegated authority. Instead, EPA considers CPEs of delegated programs to be periodic retrospective reviews to ensure that state decisions are consistent and legally accurate.
Source Water Protection Team Strategies

“Hardwire” Source Water Protection:
Expand Partnerships and Program Coordination

Share Information and Support Effective Decision Making

Build a Knowledge Center

Building strong partnerships and engaging stakeholders
Drinking Water Mapping Application to Protect Source Waters

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

Building strong partnerships and engaging stakeholders
Now 29 Members!
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.
FY18 Source Water Protection Partnership Workshops

Building strong partnerships and engaging stakeholders
UIC Training Initiative

Developing online training modules to support EPA and state UIC implementation programs with technical information and credentialing requirements.

Leveraging stakeholder review and feedback on training modules.
  - National Technical Workgroup
  - GWPC and GWPC selected states
  - Federal partners

Planning Forty-two UIC modules (focusing on permitting, construction and operation, inspection and enforcement) and eight induced seismicity modules (to assist UIC permit writers manage injection induced seismicity).

Eleven modules now under peer review - Eight induced seismicity modules and three UIC modules.

Final modules will be posted on EPA’s FedTalent website within the next few months

Federal Partners and co-regulators will be free to access the modules from FedTalent site.
Draft
National Water Reuse Action Plan

Balancing protection and sustainability
Other Sustainability Issues

Balancing protection and sustainability
THANK YOU