

Well-Specific Class V Data: 200,000 Wells and Counting

February 24, 2016

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Presentation Overview



A. What is the National UIC Database?

B. Class V Data Analysis

A. Well Type

B. Permit Status

C. Inspections

D. Location

C. Beyond Data

National UIC Database

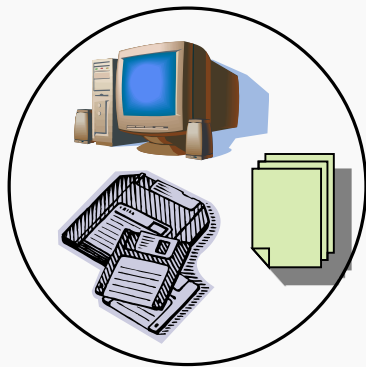


- Tool for electronic data flow from states to EPA for official reporting.
- Well-specific data for basic UIC components (inventory, permits, inspections, violations, enforcement).
- Designed around replacement of summary reporting in 7520s, but including well-type and status.
- Contains a small subset of data in state databases.

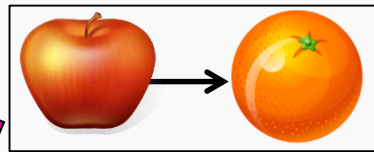
Process to Reach E-Reporting



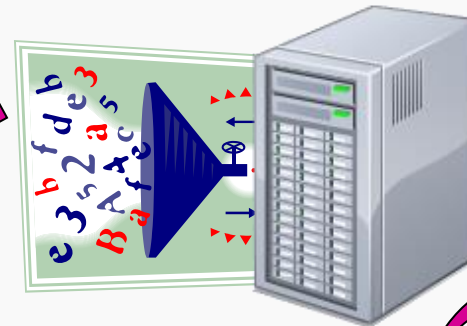
1) Manage State Data Sources



2) Logical Mapping



3) Physical Mapping to flow to EPA node



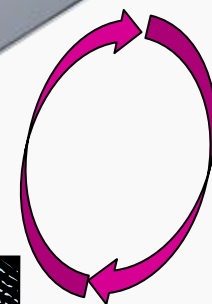
6) e-Reporter



5) Trading Partner Agreement (TPA)



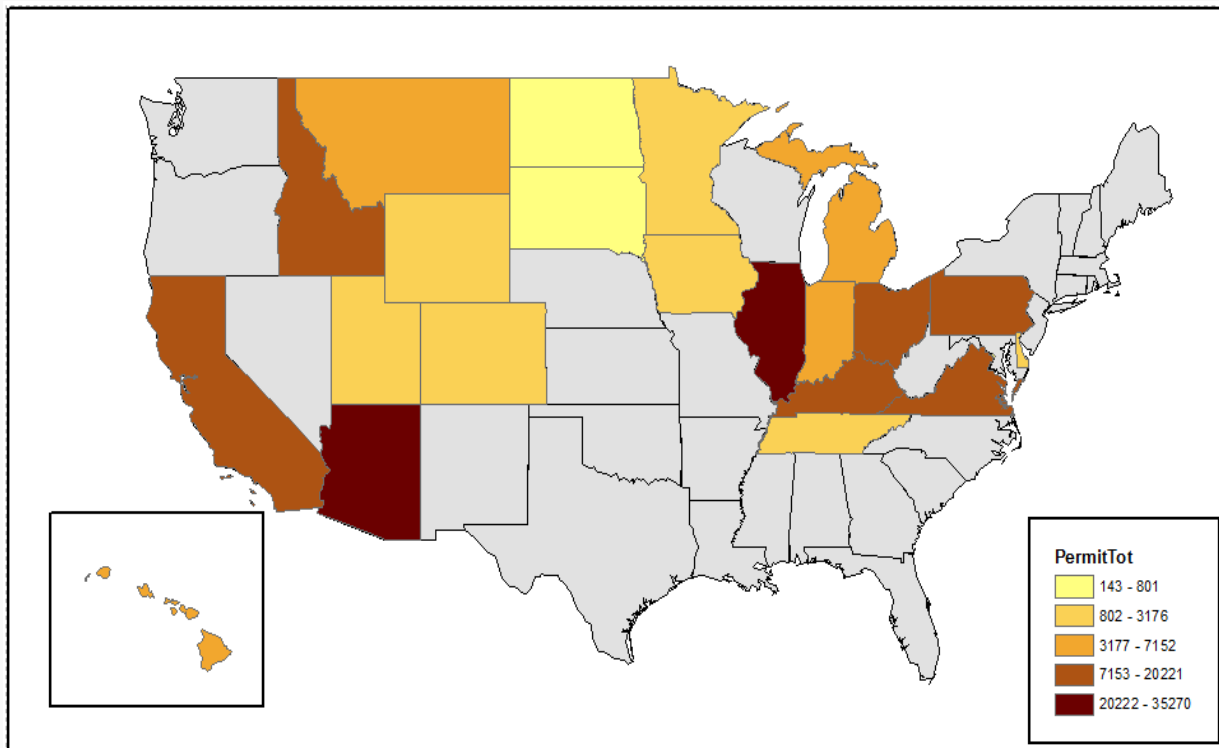
4) Data Review



21 States in Database



Class V Well Inventory in E-reporting States



- Arizona*
- California*
- Colorado*
- DC*
- Delaware
- Hawaii*
- Iowa*
- Idaho
- Illinois
- Indiana*
- Kentucky*
- Michigan*
- Minnesota*
- Montana*
- North Dakota
- Ohio
- Pennsylvania*
- South Dakota*
- Tennessee*
- Utah
- Virginia*
- Wyoming
- All Tribes*

Primacy state

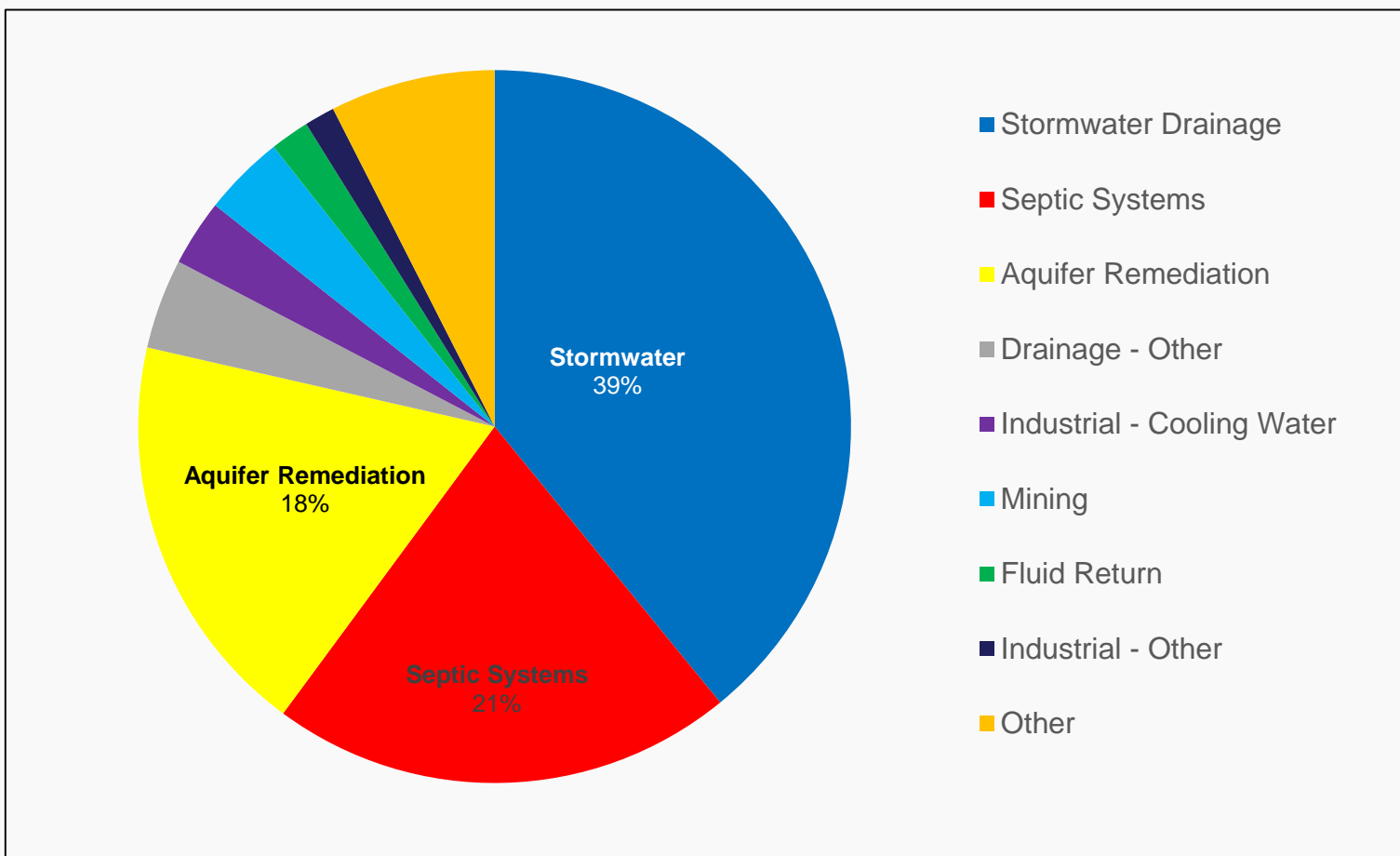
* EPA Direct Implementation

Data – Inventory



Legacy Data: 203,140 Class V wells

National UIC Database: Majority stormwater, septic & aquifer remediation



Data - Permits



Legacy Data: Number of permits issued each year

National UIC Database:

- 96% of all Class V wells are Rule Authorized
- Of 21 states and DC:
 - **6** have **no** permits
 - **12** have permits for **<4%** of wells
 - **3** have permits for **14% - 63%** of wells
 - **1** has permits for **100%** of wells
- Generally, permits are used to address a specific situation or concern.

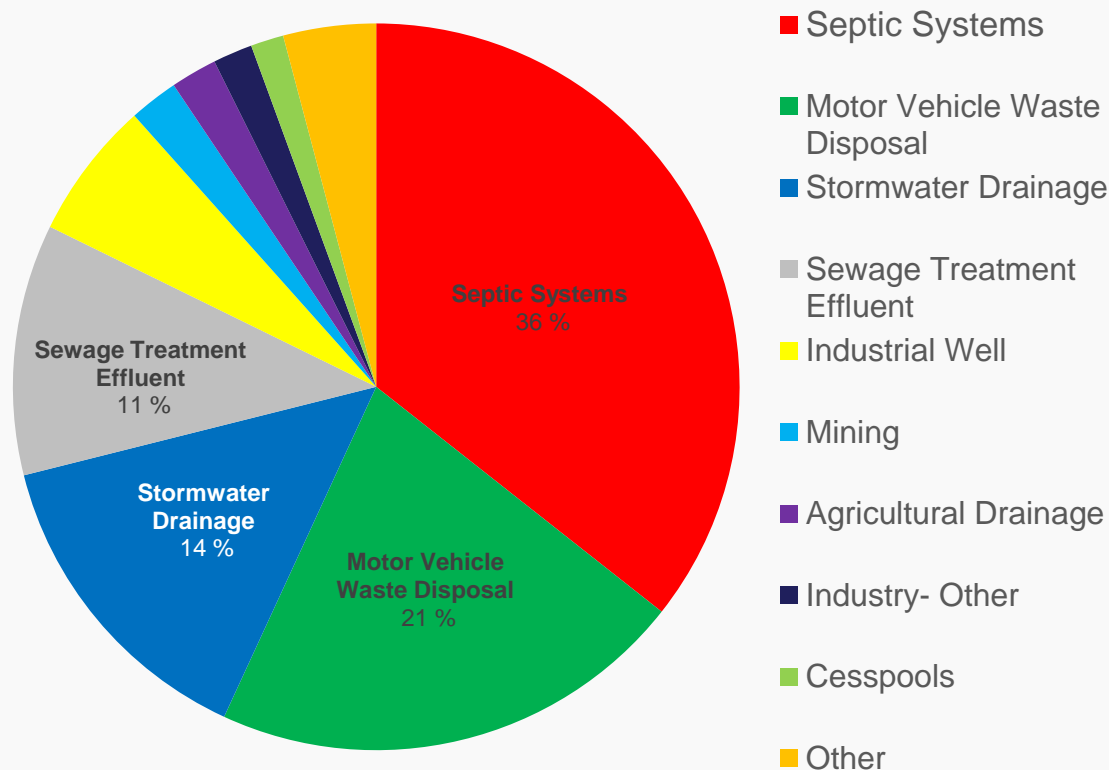
Data - Inspections



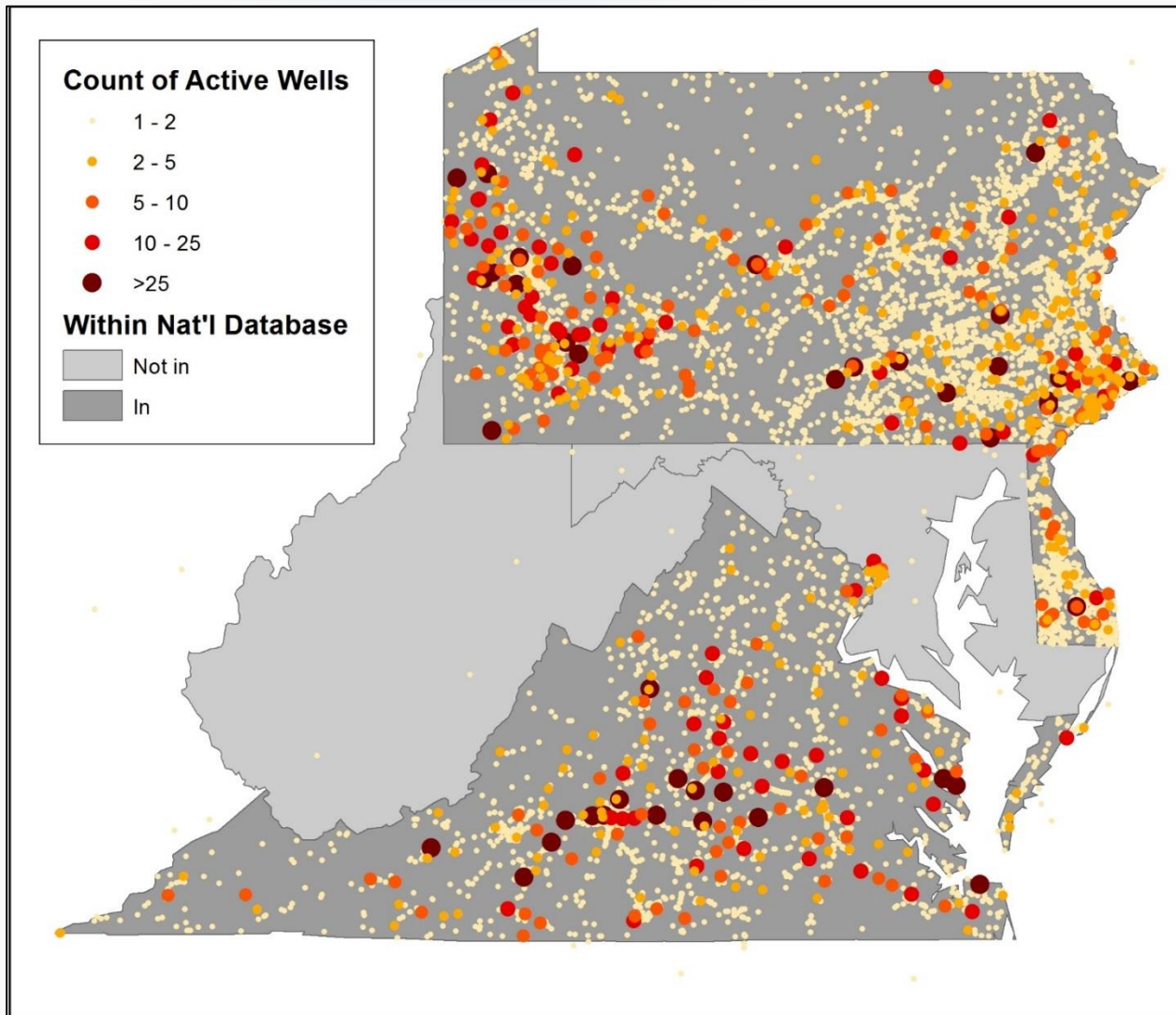
Legacy Data: Last 5 years, about 12,000 wells inspected

National UIC Database:

Well type inspections as percentage of all inspections



Data - Locations



- ~29,000 wells in Region 3
- All but 1,500 have lat/long

Beyond Data



- Numbers don't tell the whole story
- Paint a bigger picture
- Start a conversation



Future Discussion



- How can data help us better understand the Class V program?
- What kinds of things get lost in the data and how could we better understand?
- Where would having a national picture be most valuable? How can the data be most meaningfully aggregated?
- How can we better manage data collection, to get the greatest value with the least burden?



Thank you