

# USING GoToWEBINAR

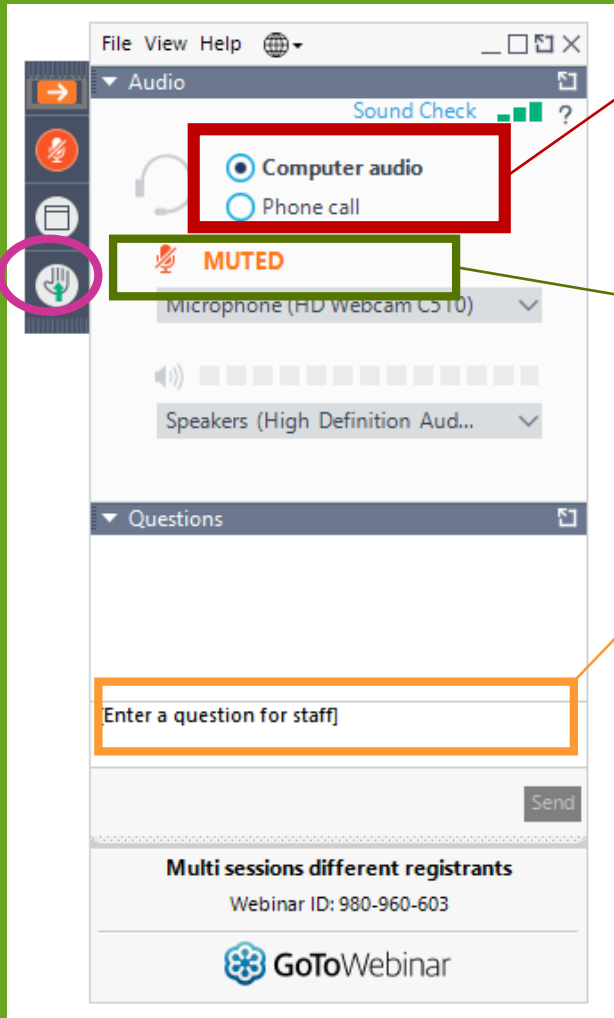
## Two Options for Audio:

1. Use your **computer's** speakers
2. Call in by **phone** using the call-in number and access code in the Audio section of the control box.

All participants are **muted** by default.

**Questions:** Use the “send question” option in the chat panel to ask questions throughout the presentation.

**Ask for help!** Use the questions box to let us know if you have technical difficulties. You can also **raise your hand** for help.





# ***NTC WEBINAR SERIES:***

***COLLABORATING ACROSS  
REGULATORY PROGRAMS TO  
ACHIEVE SHARED GOALS***

**9/24/2020**



# NEIWPCC

## TANKS PROGRAM

- Webinar Series
- L.U.S.T.Line
- National Tanks Conference & Expo





# ***NTC WEBINAR SERIES:***

***COLLABORATING ACROSS  
REGULATORY PROGRAMS TO  
ACHIEVE SHARED GOALS***

**9/24/2020**

## TODAY'S SPEAKERS

**Kris Shiffer, Storage Tank Program  
Manager | *PA DEP***

**Suzanne Connelly, Project  
Manager | *NH DES***

**Meredith Love, Hydrogeologist II  
| *SC DHEC***





# **Collaborating Across UST Programs to Achieve Shared Goals**

Impact of containment sump testing  
across Pennsylvania's UST, LUST, and State  
Fund Programs

2020 NTC Webinar Series

September 24, 2020

Tom Wolf, Governor

Patrick McDonnell, Secretary

# Containment Sump Testing

- “.....as simple as filling a bucket with water and seeing if the water comes out.”



# Look Familiar?





# Look Familiar?



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

# Testing Requirements

- Containment sumps must be tested at least every 3 years and, in most states, following any repair.
- Liquid
- Pressure
- Vacuum


# Who Performs the Test?

- Employee?
- Trained Technician?
- Third-party Certified Individual?
- Is there a form?

# Of Course There is a Form!

3900-FM-WC0010 9/97\_COMMONWEALTH OF PENNSYLVANIA 1 / 3

2630-FM-BECB0016 Rev. 1/2019  
Form

 **pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

**UNDERGROUND STORAGE TANK  
SPILL PREVENTION EQUIPMENT/CONTAINMENT SUMP INTEGRITY TESTING FORM**

**I. FACILITY INFORMATION** — Type or print (in ink) all items.

Facility ID #:	Facility Name:	
Facility Street Address:		
Facility Telephone:	County:	Municipality:

**II. TESTER INFORMATION**

Tester Name:	Tester Cert. #:	Tester Telephone:
Company Name:	Company Cert. #:	Test Date:

**III. TEST METHOD**

Method Used ☐ Hydrostatic<sup>1</sup> ☐ Vacuum ☐ Pressure  
☐ Other \_\_\_\_\_

Method Developer ☐ Manufacturer ☐ Industry Standard \_\_\_\_\_ ☐ Other \_\_\_\_\_

**IV. VISUAL INSPECTION INFORMATION**

Tank Number					
Product Stored					
Containment Number <sup>2</sup>					
Containment Type	<input type="checkbox"/> Dispenser	<input type="checkbox"/> Dispenser	<input type="checkbox"/> Dispenser	<input type="checkbox"/> Dispenser	<input type="checkbox"/> Dispenser



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

# So What is a Release?

- Varies by State
- In Pennsylvania:
  - Spilling, leaking, emitting, discharging, escaping, leaching or disposing from a storage tank into surface waters and groundwaters of this Commonwealth or soils or subsurface soils
  - Spilling, leaking, emitting, discharging, escaping, leaching or disposing from a storage tank into a containment structure or facility that poses an immediate threat of contamination of the soils, subsurface soils, surface water or groundwater

# Is This a Release?





# Or is This a Release?



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# Time for the Test!



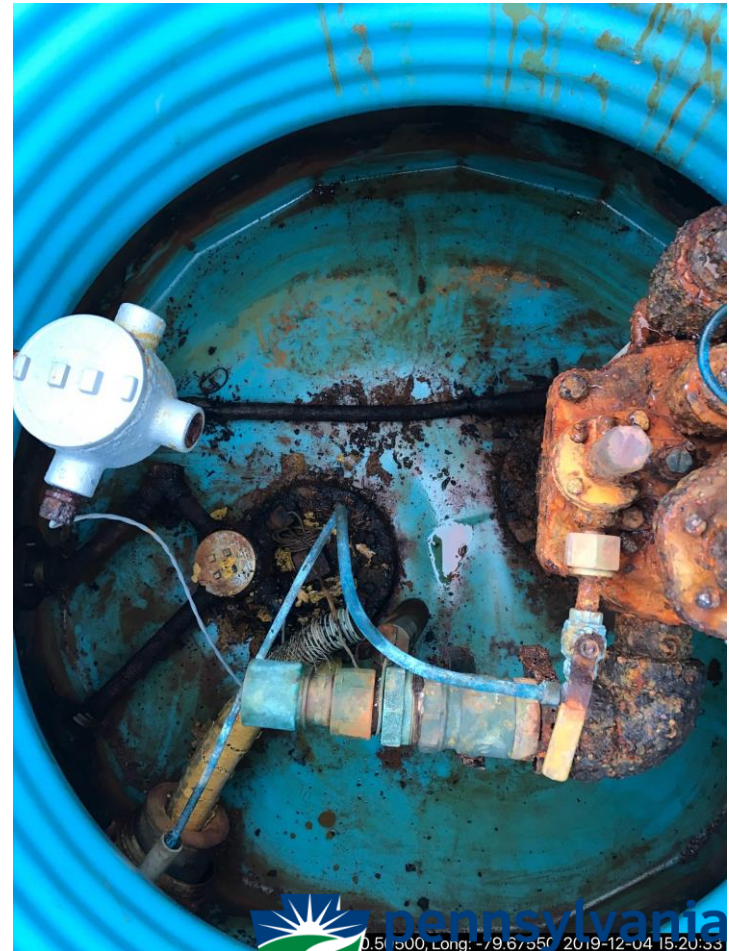
# Items to Consider...

- Was a visual performed?
  - If visual indicates failure:
    - Was the containment sump repaired prior to any physical test?
    - If the visual indicated a failure, was this reported?
- Was actual test completed correctly?
  - High water table?
  - Was correct equipment used?



# Oh No....it Failed!!

- Test failed.....Now What?
  - What is the requirement to report?
    - By whom?
    - To whom?
    - What about the other containment sumps?



# Containment Sump Fails Testing

- In Pennsylvania:
  - If initially dry or just water: Suspected Release
  - If contained product prior to test: Release (due to initial product)....
  - The tester should...as part of the release actions, determine the location of the failure at the very least.
  - Do we need samples outside the containment sump? Maybe.



# Containment Sump Fails Testing

## Repairs?

- What standard?
- Manufacturer's written instructions?
  - But which manufacturer?



# Financial Responsibility

- Do you file a claim?
- If so, When?
  - In Pennsylvania, an owner has 60 days to file
  - What are your state's requirements?
- What will be covered?

# Financial Responsibility

- What will be requested by the insurance company?
  - Copies of any analytical data, well logs, site maps, closure reports, site assessments, etc. performed at this site currently or in the past.
  - Daily tank inventories/tank gauging figures and monthly reconciliations for the involved tank/lines for the six-month period preceding the discovery of contamination.



# Financial Responsibility (contd)

- What will be requested by the insurance company?
  - A history of repairs and upgrades to tanks and lines.
  - Indication of when the release or potential release was first suspected and how the problem manifested itself.

# Putting in all together

- Know the equipment
  - What actually is being tested?
- Know the test method?
  - Each has “pros and cons”
- Who performed the test?
  - Are they qualified? What did they use to document the test?

## Putting in all together (contd)

- Did the test fail?
  - If required, who must report it?
- Was there a release? Suspected?
  - Was there an adequate suspected release investigation performed?
- Were repairs made?
  - By whom?
  - How?
- Was an insurance claim filed?

# Containment Sump Testing

Is it as simple as filling a bucket with water and seeing if the water comes out?



**Kris Shiffer**  
**Division Chief**  
**Pennsylvania Storage Tank Program**  
**Phone: 717.772.5809**  
**Email: [kshiffer@pa.gov](mailto:kshiffer@pa.gov)**

# INTER-AGENCY ALLIANCES



**Suzanne Connelly**, Project Manager  
Oil Remediation & Compliance Bureau  
New Hampshire (NH)  
Dept. of Environmental Services





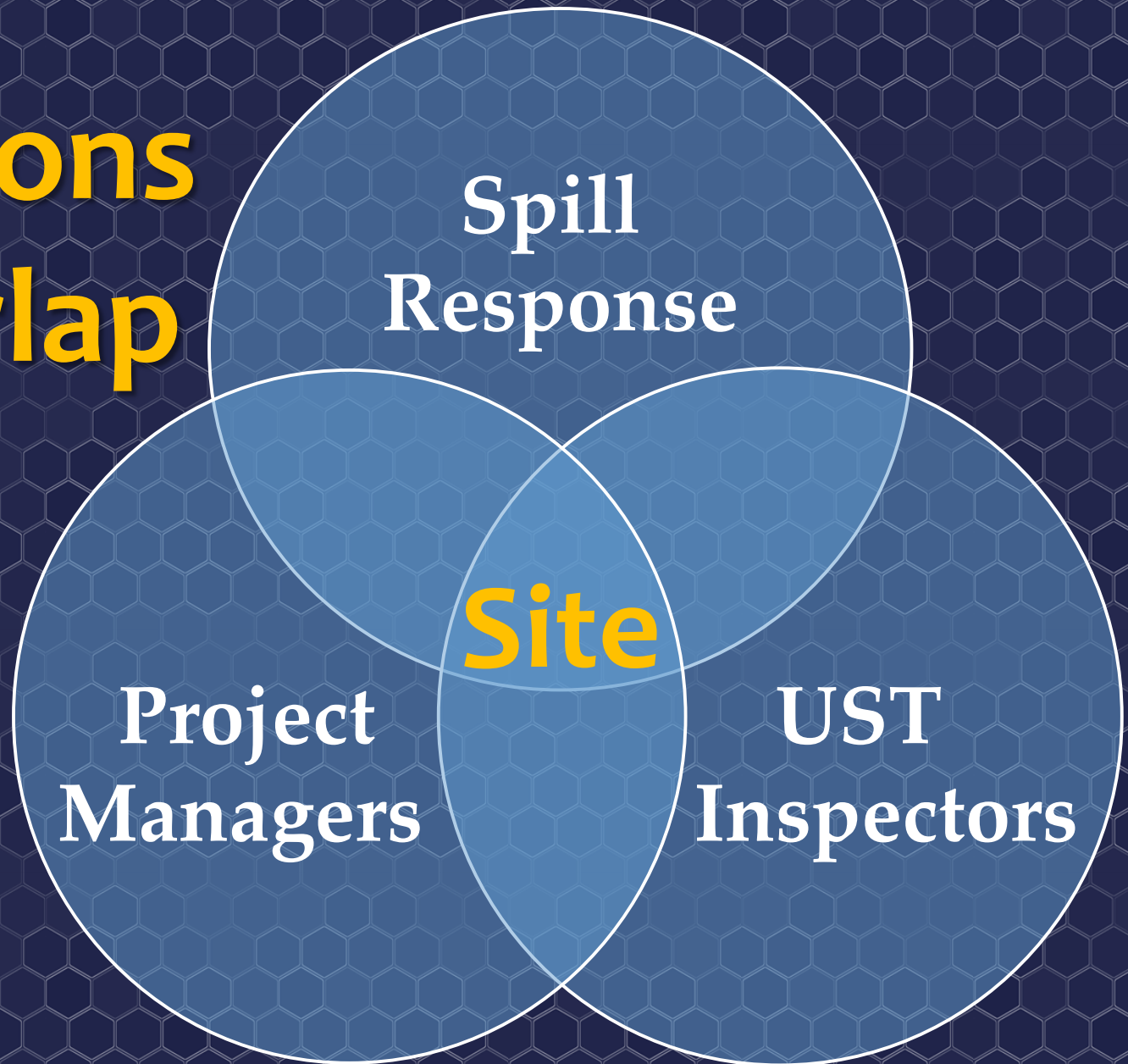
# Our Mission:

## To Protect Public Health & The Environment





# Sections Overlap



# Job Shadowing:



Project  
Managers  
on  
UST  
Compliance  
Inspections



# Case Study: **Alice, Owner** **Local Gas Station** Hired New Supplier Company

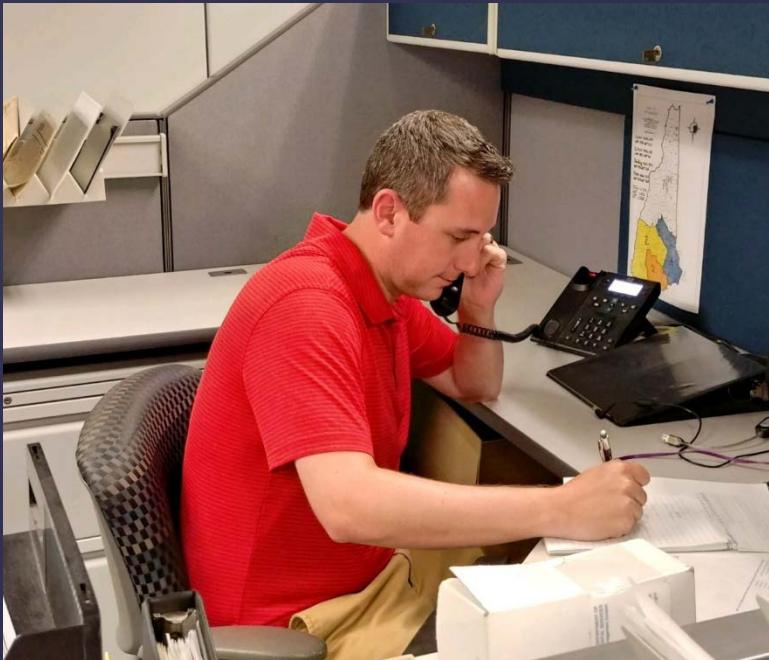


**Good Habit:**



Checked the Inventory Records

# Supplier Notifies DES: Spill Response to Compliance



Inventory  
Records:  
Loss of  
~ 750 gal.

Release from a Single-Walled UST  
Permanent Closure



# Permanent Closure (by Removal)

---

Compliance



Plan Review

&

Project Managers



# UST Operator Training



**Class-room Style  
Encourages Communications**



# Career Expansion = Retention

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Administrative Support Staff,

to UST Compliance Inspector

Spill Responder,  
to UST Inspector,

to Tank Compliance Sub-Section Chief

Solid Waste Inspector,  
to Spill Response Supervisor,

to Bureau Administrator, aka Fearless Leader



# Project Management to Compliance

**Spike in MtBE**

**No**

**Documented  
Release**

**Stage II**

**Vapor Recovery**

**Vapor Releases**



# Passing a Project Off:

## Spill Response to Project Management



# As Workloads Increase

**Don't  
Get  
Swamped**



## What Resources are Available??



# Project Managers with a Consulting Background



**Site Characterization and Collect Samples  
Soil, Groundwater, & Drinking Water**



# This is Just a Drill



## Simulation of Coastal Oil Spill



# Drill Exercise – Coastal Oil Spill

Collaboration  
of

**30**

Agencies





**Job-Shadow**  
**Share Often**

**Encourage Collaboration**

**Trust in your Own Resources**

**Have a Presence in Drill Exercises**

# Suzanne Connelly

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## Utilizing GIS to Analyze South Carolina's Underground Storage Tank Locations for Cross Programmatic Benefit

Meredith Love, Hydrogeologist II, UST Division

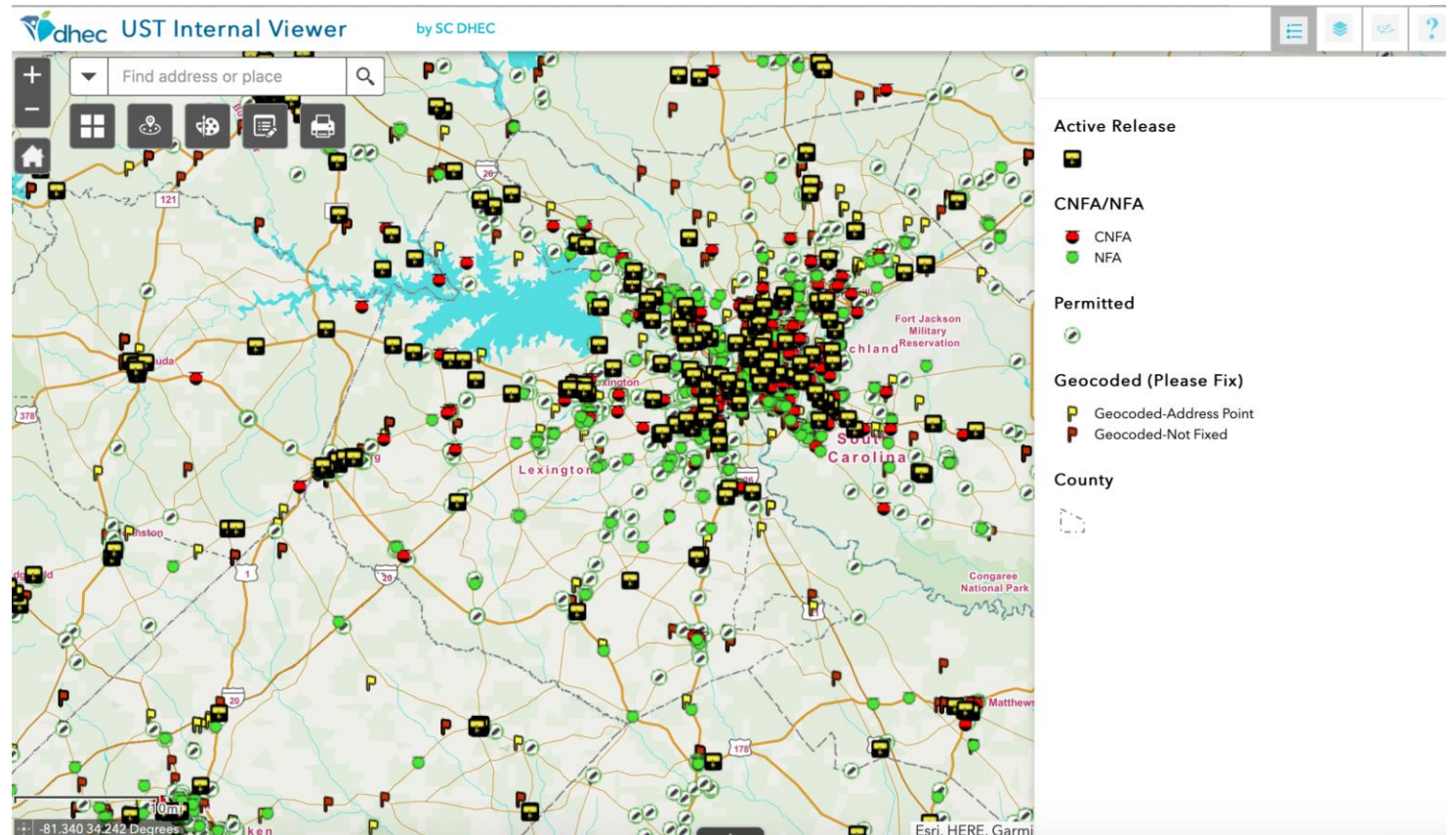
South Carolina Department of Health and Environmental Control

Healthy People. **Healthy Communities.**



# What is GIS?

- Geographic Information System
- Accurate spatial and visual presentation of data



# Why?

- EFIS - Environmental Facility Information System

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window ORACLE

UST Facility Update for TIMES TURN AROUND 41

Permit No.  Prefix  Category

Facil. Name  Acct. Bal.

Business  County  District

Address  Phone No.  Region

Tank Owner  Phone No.

Operator  Phone No.

Land Owner  Phone No.  Active Compliance Operators: 2

Last Inspection  Transfer of Ownership  **Financial Responsibility is required!**

Tank	Total Tanks	Billable	Abandoned	Other	Suspect	Closed	Confirmed	Closed
Summary	9	3	6	0	0	0	1	0

☒ All Active Tanks equipped with UDC

No.	Proj. Manager	RBCA	St	Fin. Status	Release Information Reported	NFA'd	Confirmed	CU Complete	CU > RBSL
1	LOVEMK	2AB	1	VERM. SUPERS	DEC 01, 1997		JAN 01, 1997		

☐ USTfield

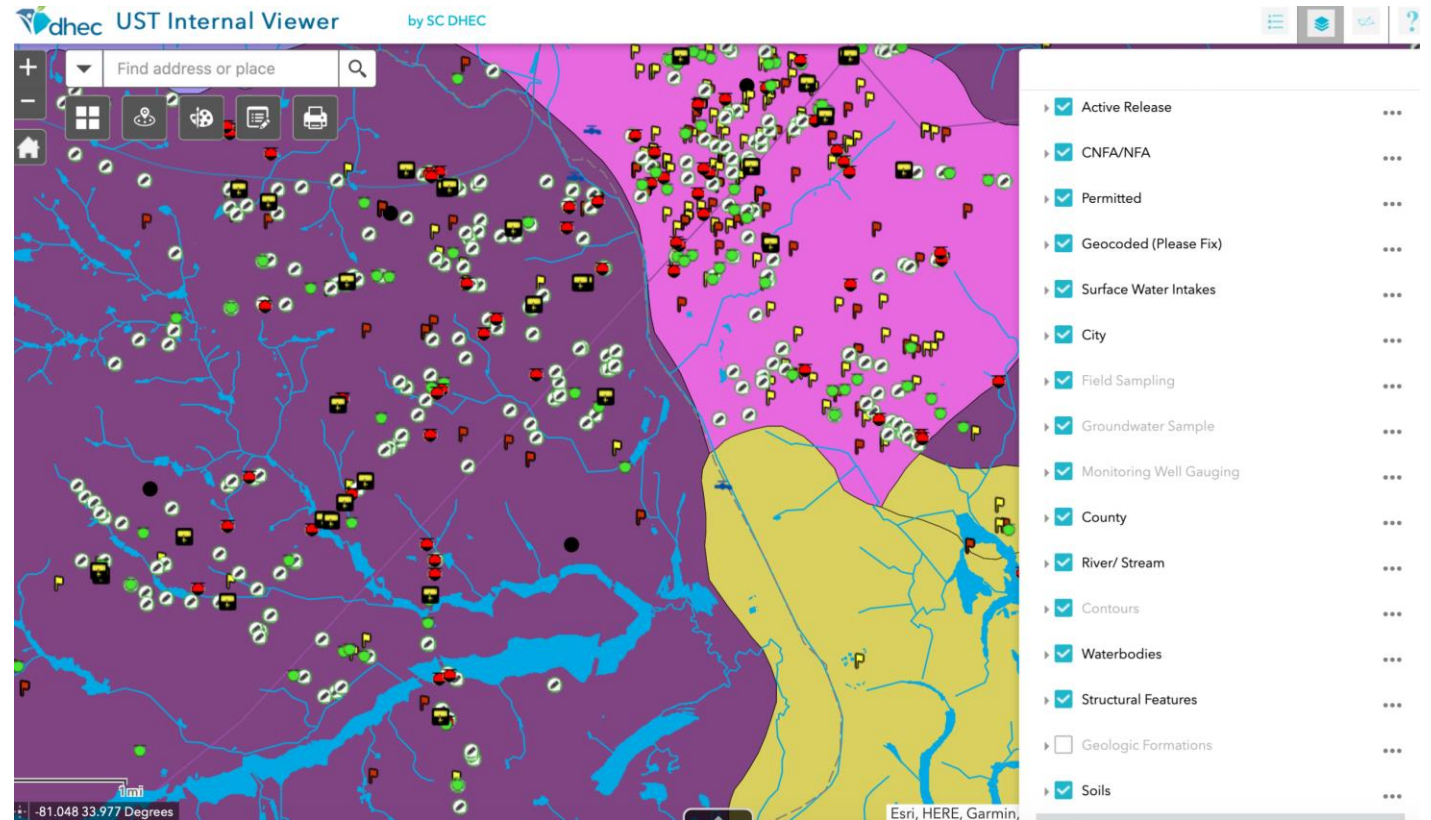
Release Details Add Release Delete Release

Permit Notes History Tanks Location Info Financial Resp. Tasks Invoices Documents WX Enf. Actions

Record: 1/1 ... List of Valu... <OSC>

# What were our needs?

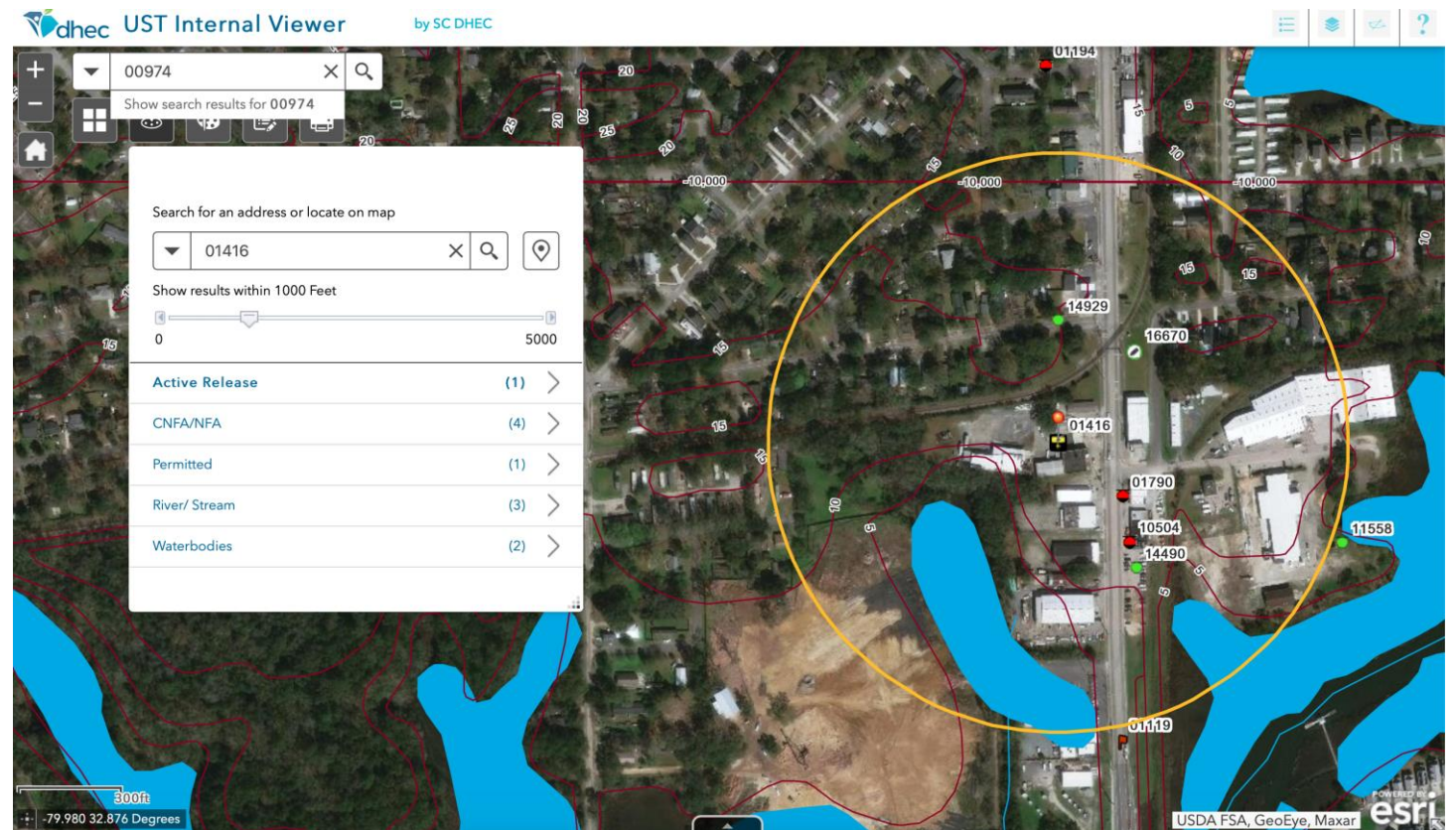
- Worked with our GIS department
- Over 16,000 current and historical UST locations
- Possible receptors





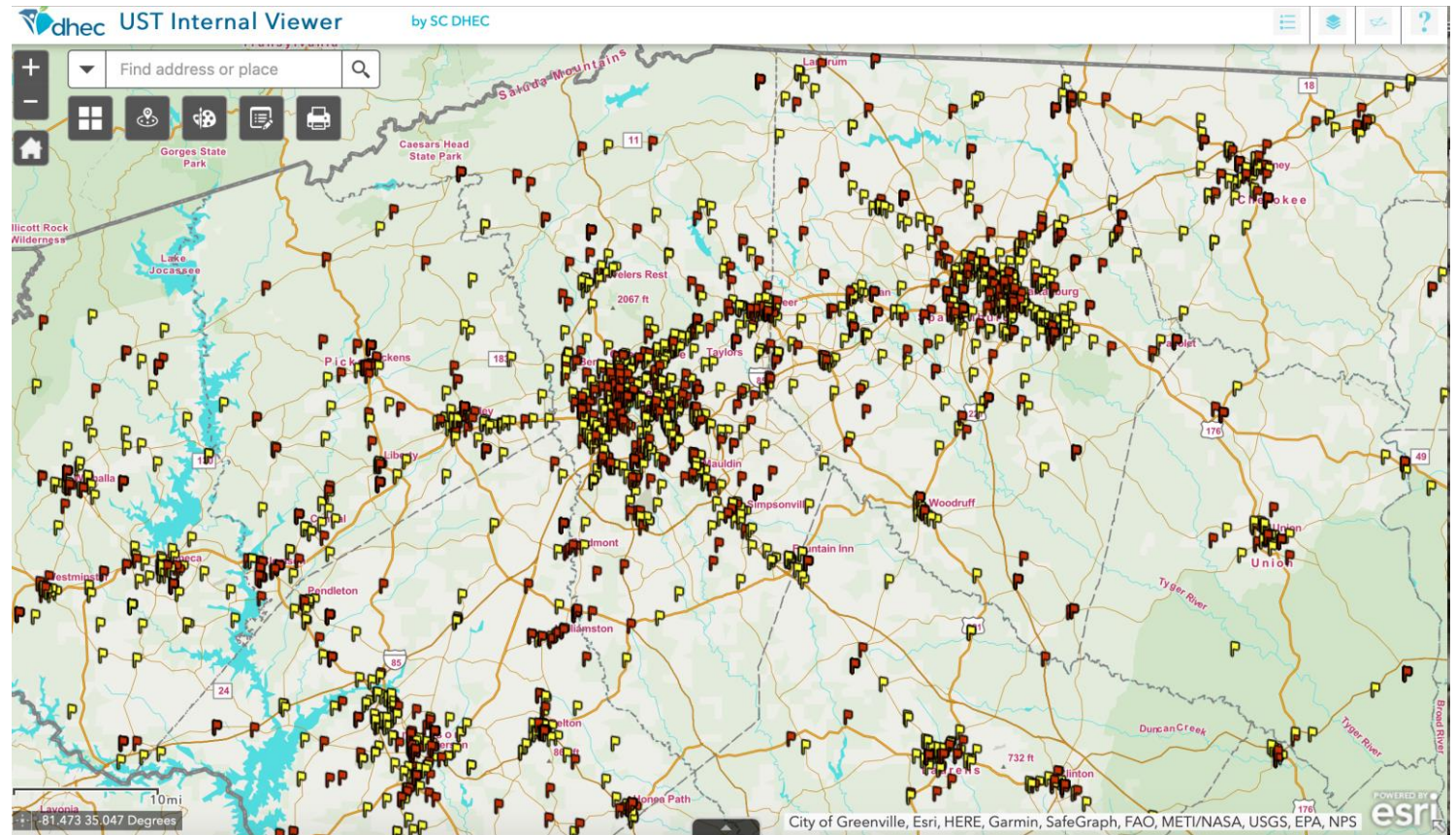
# Cross Programmatic Applications

- 1000 ft. Radius for receptors
- Increased concentrations on a site leads to the investigation of a new release
- Filling in data gaps
- Customer Service



# Obstacles

- Old data is not always accurate!
- Over 8,000 points geocoded







# South Carolina Department of Health and Environmental Control

Healthy People. Healthy Communities.

EFIS - Environmental Facility Information System

File Edit Data Entry Tasks Permits Documents Reports Tools Admin Exit All Help Window

UST Facility Update for COWPENS RCL

Permit No. 08007 Prefix N Category Federal Government

Facil. Name COWPENS RCL Acct. Bal. .00

Business THICKITY MTNS MILE W OF HWY 11 County Cherokee District Spartanburg EQC Offi

Address CHEROKEE, SC 29301 Phone No. Region Upstate Region

Tank Owner D Phone No.

Operator D Phone No.

Land Owner D Phone No. Active Compliance Operators: 0

Last Inspection Transfer of Ownership Financial Responsibility is NOT required!

Tank Summary Total Tanks 1 = Billable 0 + Abandoned 1 + Other 0

Release Summary Suspect 1 Closed 1 Confirmed 0

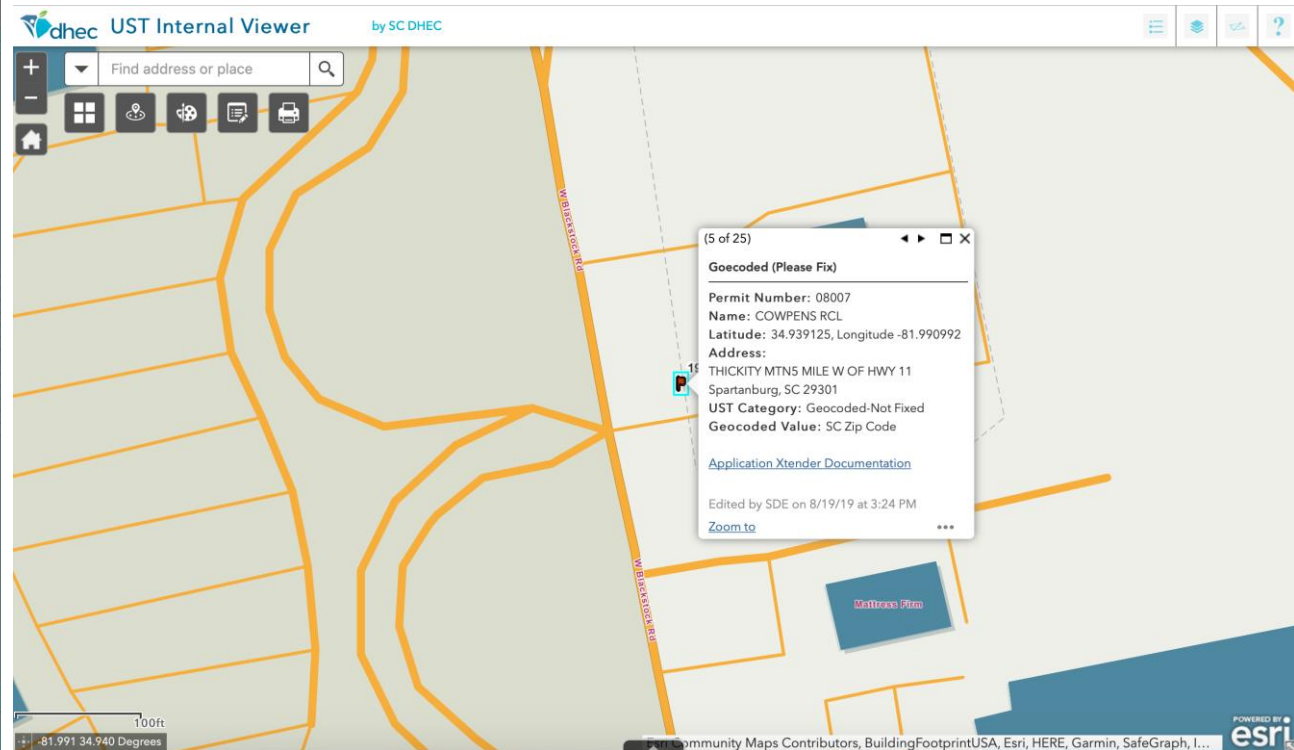
All Active Tanks equipped with UDC

No.	Proj. Manager	RBCA	St	Fin. Status	Release Information Reported	NFA'ed	Confirmed	CU Complete	CU > RBSL

USTfield Release Details Add Release Delete Release

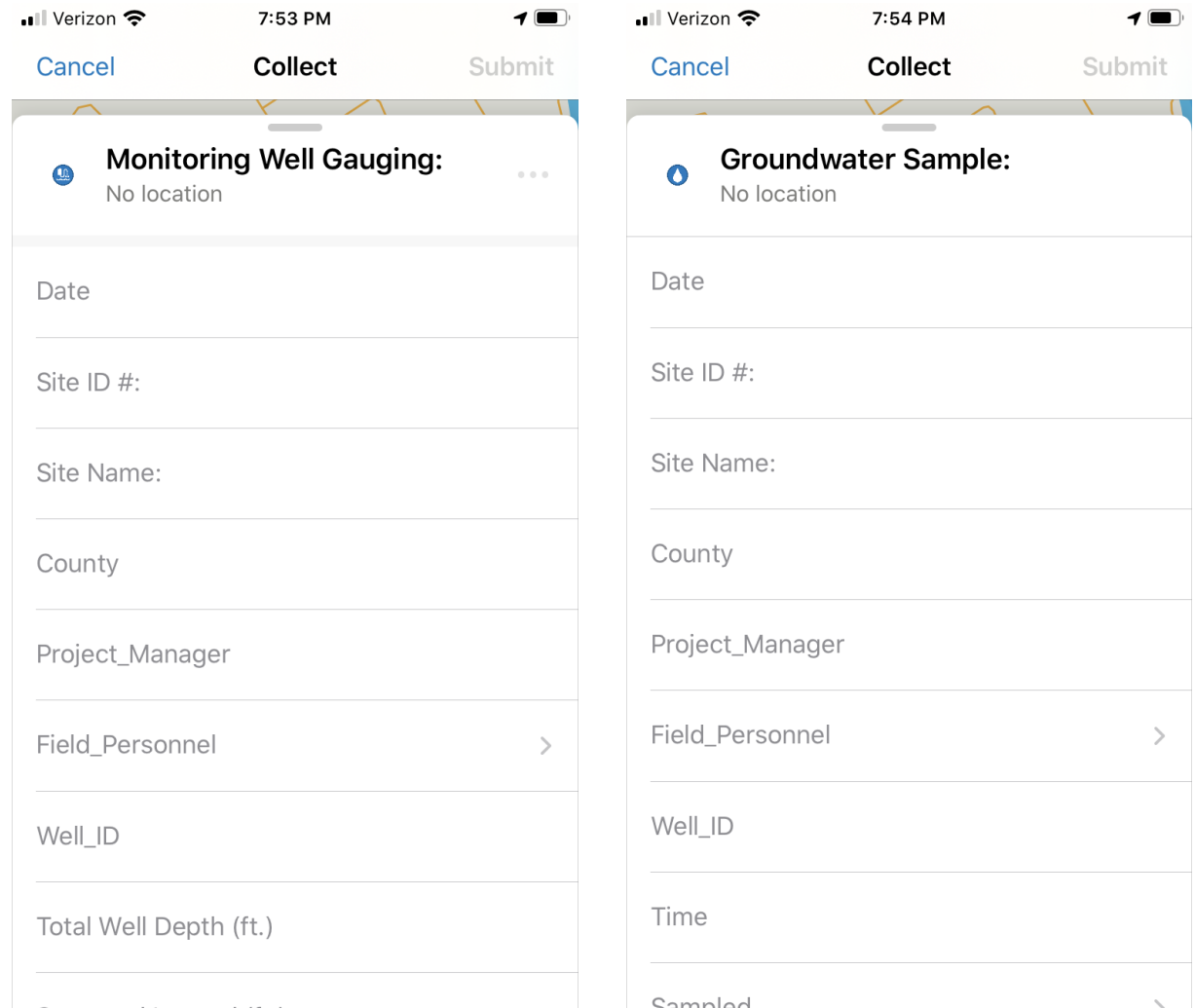
Permit Notes History Tanks Location Info Financial Resp. Tasks Invoices Documents WX Enf. Actions

Record: 1/1 List of Valu... <OSC>



# Future Hopes

- Weekly data pushes
- Private WSW locations
- Monitoring wells for each site
- Site maps in description



The image displays two side-by-side screenshots of a mobile application interface, likely for data collection in the field. Both screens show a status bar at the top with 'Verizon' service, signal strength, and battery level. The left screen is titled 'Monitoring Well Gauging:' and the right screen is titled 'Groundwater Sample:'. Both screens have a 'No location' status and a 'Collect' button. The forms contain several input fields: Date, Site ID #, Site Name, County, Project\_Manager, Field\_Personnel (with a right arrow), Well\_ID, and Total Well Depth (ft.). The right screen also includes a 'Time' field and a 'Sampled' field at the bottom.

Field	Monitoring Well Gauging	Groundwater Sample
Date	Input field	Input field
Site ID #	Input field	Input field
Site Name	Input field	Input field
County	Input field	Input field
Project_Manager	Input field	Input field
Field_Personnel	Input field with right arrow	Input field with right arrow
Well_ID	Input field	Input field
Total Well Depth (ft.)	Input field	Input field
Time	Input field	Input field
Sampled	Input field	Input field



South Carolina Department of Health and Environmental Control  
Healthy People. Healthy Communities.

# CONTACT US

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## Stay Connected

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# THANK YOU, SPEAKERS!

**Kris Shiffer, Storage Tank Program  
Manager | *PA DEP***

**Suzanne Connelly, Project  
Manager | *NH DES***

**Meredith Love, Hydrogeologist II  
| *SC DHEC***





UST Inspector Training Series: <https://neiwpc.org/our-programs/underground-storage-tanks/ust-training-resources-inspection-leak-prevention/webinar-archive-inspector-training/>

LUST Corrective Action Series: <https://neiwpc.org/our-programs/underground-storage-tanks/lust-training-resources-corrective-action/webinar-archive-corrective-action/>

LUST Line: <https://neiwpc.org/our-programs/underground-storage-tanks/l-u-s-t-line/>

THANK YOU FOR YOUR PARTICIPATION



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**9/24/2020**

**Thank you for your participation!**