

September 24, 2025
National Tanks Conference
Disaster Recovery – Using Technology to Aid in Recovery
Wayne Randolph, PG CPM



## Summary of Presentation



- Origin of the DWM Assessment Team
- Training
- Communication prior to an event
- Partnerships with NC Division of Public Safety / Emergency Operation Center / US EPA and US Coast Guard
- Response to Hurricane Helene
- ER on Blue Sky days
- NC DEQ DWM Duty Officers



## Origin of DWM Assessment Team



Hurricane Florence made landfall on the morning of Sept. 14, 2018, in Wrightsville Beach, North Carolina.

NC DEQ UST Section and US EPA Region IV coordinated resources.

- Federal OSC (and/or START) and one DEQ staff per team.
- Drive assigned area and identify targets using Survey 123.
- Group targets, EPA contractor to remove target.

During Hot Wash, need for organized DWM Assessment Team

Made up of 20 volunteers from different Sections (Haz Waste, UST, IHW)

Work closely with Department of Public Safety – Emergency Management



Department of Environmental Quality

## Blue Sky Training



We conduct training / refresher classes once a year.









# Planning and Response to Storm Events



- Our communication weeks prior to a storm
  - Identifying availability and location of personal
  - Identifying available vehicles location / driver
  - Equipment checks
  - Distribute iPads, if applicable
- Review check-in process. During and after storm.
- What to expect how to receive instruction, where to meet, etc..
- Review / Understand, ESF-10 operations at the EOC and how that relates to the Assessment Team.
- Relay information presented by DEQ Management or EOC



## Location of Team Members

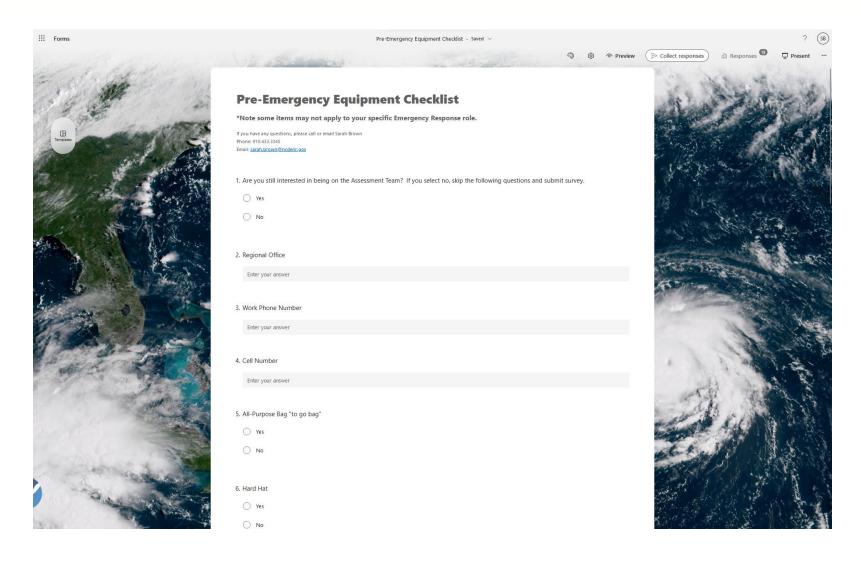


## Planning For Storm Events

| Assess                      | ment Team Equipn | nent Checklist |      |
|-----------------------------|------------------|----------------|------|
|                             |                  |                |      |
| Item                        | On hand          | Available      | Need |
|                             |                  |                |      |
| All-Purpose Bag "to go bag" |                  |                |      |
| Rescue Mate Throw Bag       |                  |                |      |
| NRS Swift Water Helmet      |                  |                |      |
| Mustang PFD                 |                  |                |      |
| Hard Hat                    |                  |                |      |
| Safety Vest                 |                  |                |      |
| Work Boots                  |                  |                |      |
| Muck Boots                  |                  |                |      |
| Safety Glasses              |                  |                |      |
| Covid 19 mask               |                  |                |      |
| Hand Sanitizer              |                  |                |      |
| disposable gloves           |                  |                |      |
|                             |                  |                |      |
| Misc                        |                  |                |      |
| bug spray                   |                  |                |      |
| sun block                   |                  |                |      |
| first aid kit               |                  |                |      |
|                             |                  |                |      |
| sunglasses / safety glasses |                  |                |      |
| work gloves                 |                  |                |      |
| rope (not required)         |                  |                |      |
|                             |                  |                |      |
|                             |                  |                |      |



## Planning For Storm Events





## DEQ / EPA / EM Annual Meeting









# DEQ / US Coast Guard

ESF-10 Mission Assignment









## DEQ / US Coast Guard

ESF-10 Mission Assignment













September 24 – 27, 2024















## Identifying Targets

- Phone calls (to Regional Supervisors and Duty Phone)
- Emails (NCDWMSPILLS@DEQ.NC .gov)
- Spreadsheets from SARCOP (Search and Rescue Common Operating Platform)
- Reported in by entities like NC- Asheville Swiftwater

From: Drew Thorp < <u>Drew@ashevilleoil.com</u>>

**Sent:** Friday, October 4, 2024 10:45 AM

To: Laverty, Brett < brett.laverty@deq.nc.gov >

Subject: RE: [External] RE: Fuel release at Asheville Oil

Some people who received this message don't often get email from drew@ashevilleoil.com. Learn why this is important

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Below is the inventory of bulk products stored onsite as of the evening of 9/26/24, prior to the flooding. We are still assessing but know that our gasoline tank, kerosene tank, and highway diesel tank are still onsite with the valves closed and intact. So we believe that product is still in the tanks onsite.

I understand our 128,000 gallon tank that floated and is on its side behind our facility. It held ~12,000 off road diesel at the time of the flooding, but its tank valve was also locked and do not know at this time if product is still inside of it. We will have to dig out our smaller bulk lube tanks that held Mobil products to see their conditions and what product remains. Many of our tanks that appeared to have floated off (other than the large tank) were empty.

Bulk Product <u>Inventory 9</u>/26/24 prior to flooding Asheville Oil Bulk Plant 4 Fairview Road Asheville, NC 28803

| Product                        | Gallons |
|--------------------------------|---------|
| Off Road Diesel                | 12,414  |
| Kerosene                       | 5,193   |
| 87 E10 Gasoline                | 1,583   |
| Highway Diesel                 | 4,852   |
| Mobil Special 5w/30            | 429     |
| Mobil Delvac 1300 Super 10w/30 | 924     |
| Mobil Delvac 1300 Super 15w/40 | 2,399   |
| Mobil Delvac HDEO 15w/40       | 1,562   |
| Mobil DTE 26 Liltra            | 555     |



| Report Date *  |                                     |           |
|--|-------------------------------------|-----------|
| Monday, September 22, 2025   | © 6:32 AM                           | $\otimes$ |
| ▶ Reporting Party  |                                     |           |
| ▶ Responsible Party  |                                     |           |
| ▶ DEQ Staff or Affiliate   |                                     |           |
| ▶ Division/Program   |                                     |           |
| ▼ Incident Description This survey DOES NOT trigger a NRC report. Call 800-424-8802 to report any applicable spill to the NRC. |                                     |           |
| Facility ID/Permit ID  |                                     |           |
| Facility Name  |                                     |           |
| Incident Name *  |                                     |           |
|  | Department of Environmental Quality |           |



| Report Date *                                |                                    |
|--|------------------------------------|
| Monday, September 22, 2025                   | © 6:32 AM ⊗                        |
| ▼ Reporting Party                            |                                    |
| Name *                                       |                                    |
| Person or Company reporting the incident     |                                    |
| Title  |                                    |
| Phone Best contact number during emergencies |                                    |
|  |                                    |
| Email  |                                    |
|  |                                    |
| ▶ Responsible Party                          |                                    |
| DEQ Staff or Affiliate                       |                                    |
|  | Department of Environmental quanty |

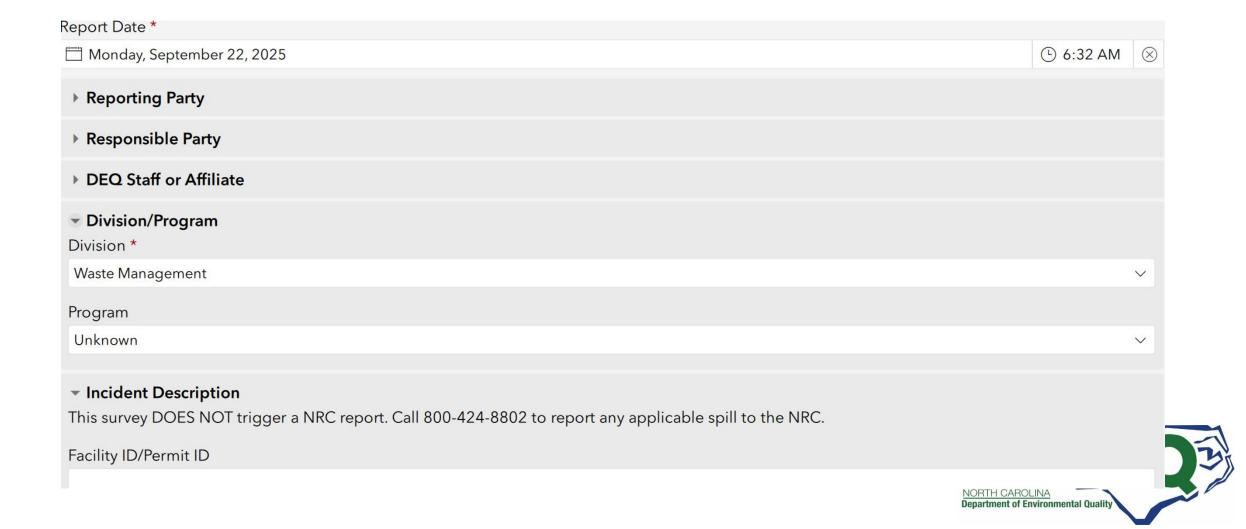


| Report Date *                        |  |
|--------------------------------------|--|
| Monday, September 22, 2025           | © 6:32 AM ⊗  |
| ▶ Reporting Party                    |  |
| Responsible Party                    |  |
| Name Person responsible for incident |  |
|                                      |  |
| Phone                                |  |
|                                      |  |
| Email                                |  |
|                                      |  |
| ▶ DEQ Staff or Affiliate             |  |
| ▶ Division/Program                   |  |
| _ lu sident Description              | NORTH CAROLINA Department of Environmental Quality |



| Report Date *              |                                     |
|----------------------------|-------------------------------------|
| Monday, September 22, 2025 | © 6:32 AM ⊗                         |
| ▶ Reporting Party          |                                     |
| Responsible Party          |                                     |
| ▼ DEQ Staff or Affiliate   |                                     |
| Agency                     |                                     |
|                            | <b>V</b>                            |
| Name                       |                                     |
|                            |                                     |
| Phone                      |                                     |
|                            |                                     |
| Email                      |                                     |
|                            |                                     |
| ▶ Division/Program         |                                     |
|                            | Department of Environmental Quality |







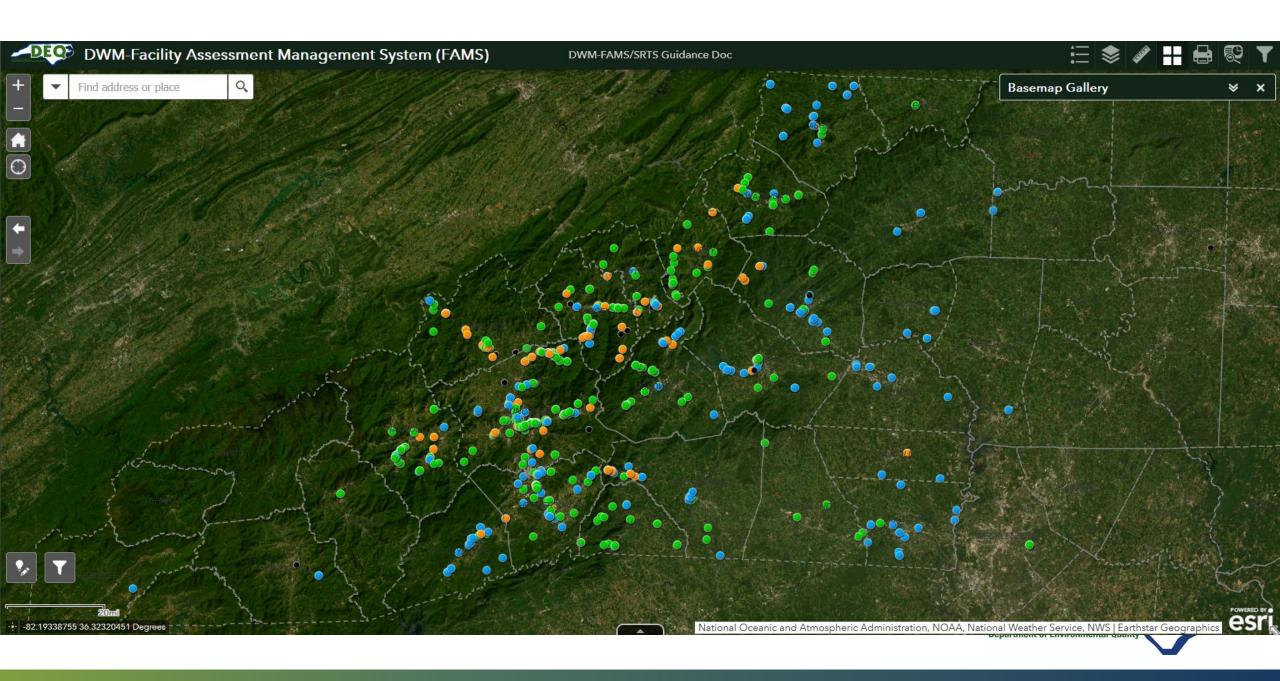
| ▼ Incident Description This survey DOES NOT trigger a NRC report. Call 800-424-8802 to report any applicable spill to the NRC. |
|--|
| Facility ID/Permit ID  |
| Facility Name  |
| Facility Name  |
| Incident Name *  |
|  |
| Incident Description Provide details of the incident, including how to find the location of the incident                       |
|  |
| Is this a Coal Ash Facility? *  Yes  |
| ○ No   |



| Is this a Propane Tank *  |   |
|---|---|
| No  | ~ |
| Emergency Support Function (ESF)  Does the Incident fall into one of the following ESF Categories? ESF #3 - Debris management, Drinking and Wastewater systems, and Dams. ESF #10 - Oil and Hazardous Materials. ESF #11 - Natural resources and animal mortality |   |
|   | ~ |
| Source of Incident (if known)   |   |
|   | ~ |
| Facility Operational Status   |   |
|   | ~ |
| Incident Status *   |   |
| Urgent Action Needed / Critical   |   |
| Action Needed / Serious   |   |
| Issue Resolved  |   |
| No Action Needed  |   |
| Other .   |   |
| Is the facility currently flooding?   |   |
| Yes   |   |
| No.   |   |

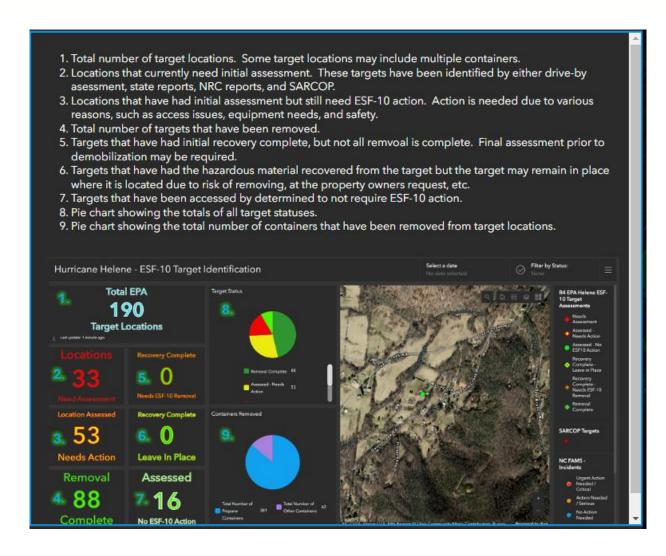


| Current Actions Being Taken   |         |                                   |
|---|---------|-----------------------------------|
|   |         |                                   |
| Update Comments Add to comments field as needed to document updates to incident |         |                                   |
| vida to commente nota de nocaca to accument apacites to meraem                  |         |                                   |
| Photos & Documents Attach Image(s) and/or Document(s)                           |         |                                   |
|   |         |                                   |
| ▼ Incident Location County Name *   |         |                                   |
|   |         | \ <u>\</u>                        |
| Locate Incident *   |         |                                   |
|   |         |                                   |
|   | <br>Der | partment of Environmental Quality |

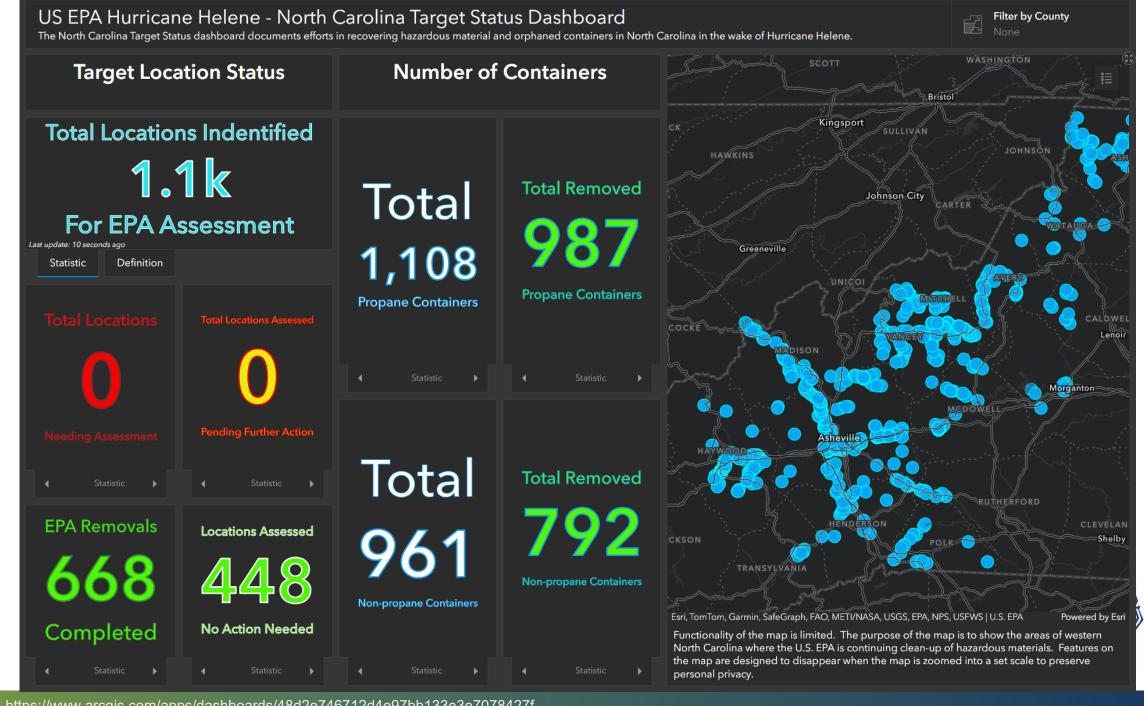


# Dashboard



























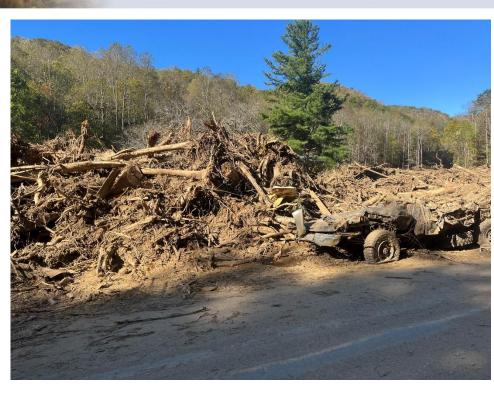






Landslide











Lake Lure



















## ER on Blue Sky Days

Duty Officers identified in each Section within DWM:

- Hazardous Waste Section: Manages the safe handling of hazardous waste
- Solid Waste Section: Manages the safe handling of non-hazardous solid waste
- Superfund Section: Investigates, monitors, and remediates hazardous waste disposal sites
- Underground Storage Tank (UST) Section: Manages underground storage tanks and petroleum releases

Staggard Rotation so no Section carries the phone the same quarter each year.

Dedicated staff member tracking and provide training to staff prior to fielding after hour calls.

Prefer for Duty Offices to complete ICS-100, ICS-400 & ICS-700



## Questions

#### Wayne Randolph, PG CPM

Trust Fund Branch Head
State On-Scene Coordinator, Division of Waste Management
North Carolina Department of Environmental Quality
Office: (919) 707-8282 | Cell: (919) 323-7443

Wayne.Randolph@deq.nc.gov

