



# Division of Waste Management Prevention and Cleanup

**TIM BAHR**  
Division of Waste Management  
Florida Department of Environmental Protection

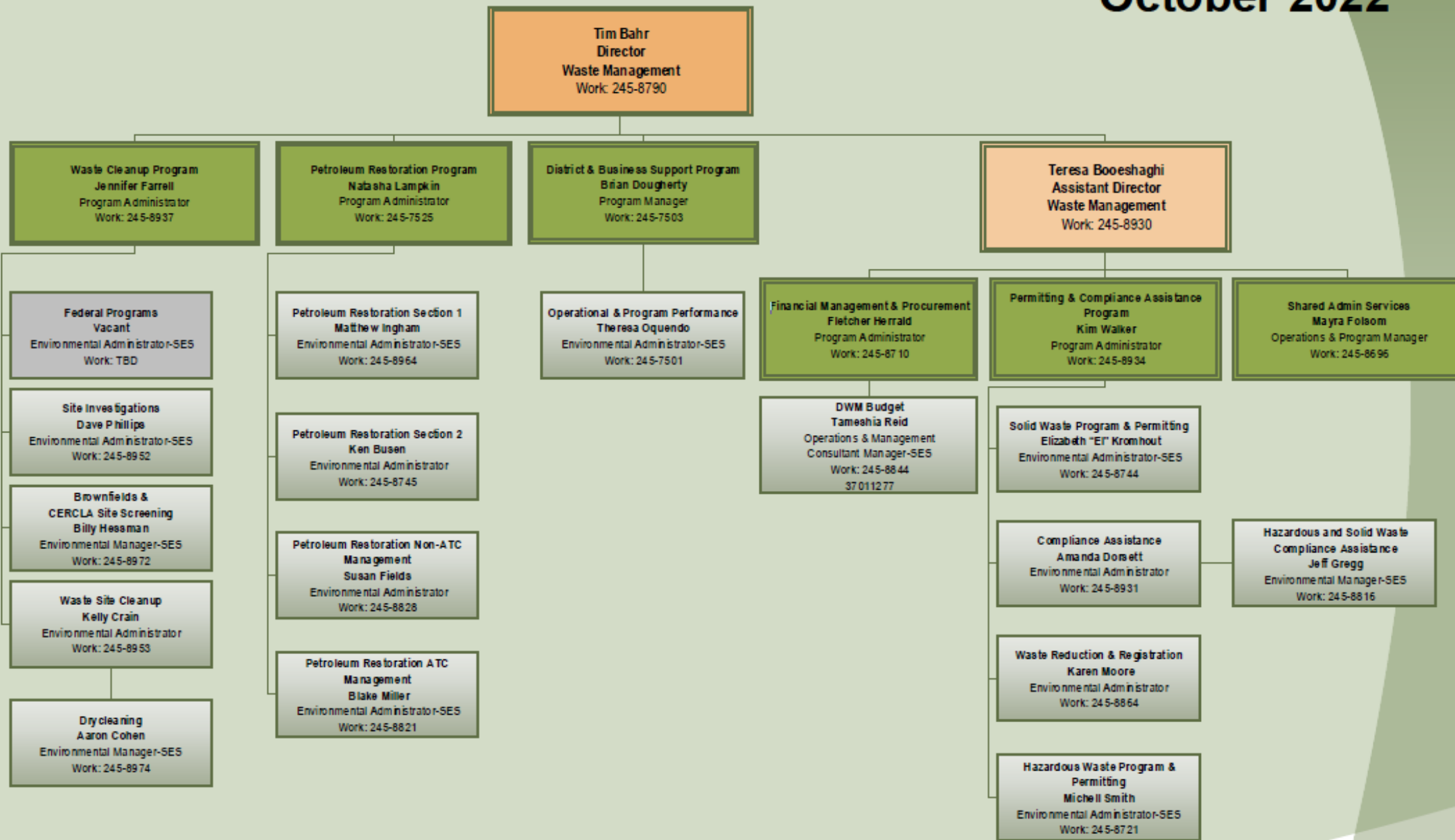
A&WMA | Nov 2022





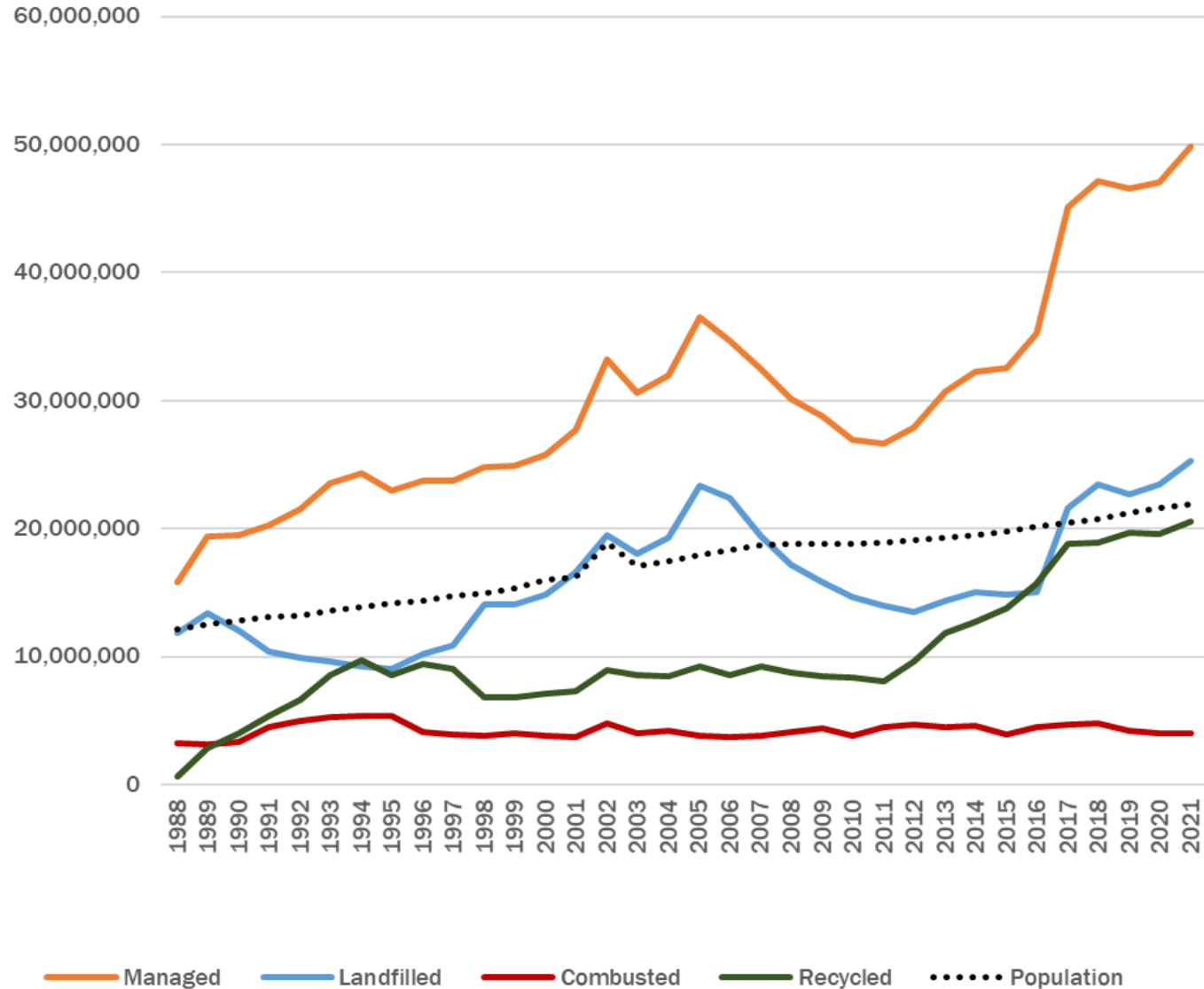
Department of Environmental Protection  
Division of Waste Management

October 2022





# SOLID WASTE MANAGEMENT IN FL 1988-2021





# Disaster Debris Management Sites (DDMS)

- **DDMS is a temporary solid waste processing facility subject to an Emergency Final Order**
- **Provide unique management challenges**
- **Pre-planning is crucial**







# DDMS continued

- **Pre-authorization process**
  - Annual process
  - Request using DEP Business Portal or through DEP district/delegated county office
- **2022 Distribution**
  - Sites pre-authorized statewide
  - 1162 sites pre-authorized





# Hurricane Irma DDMS

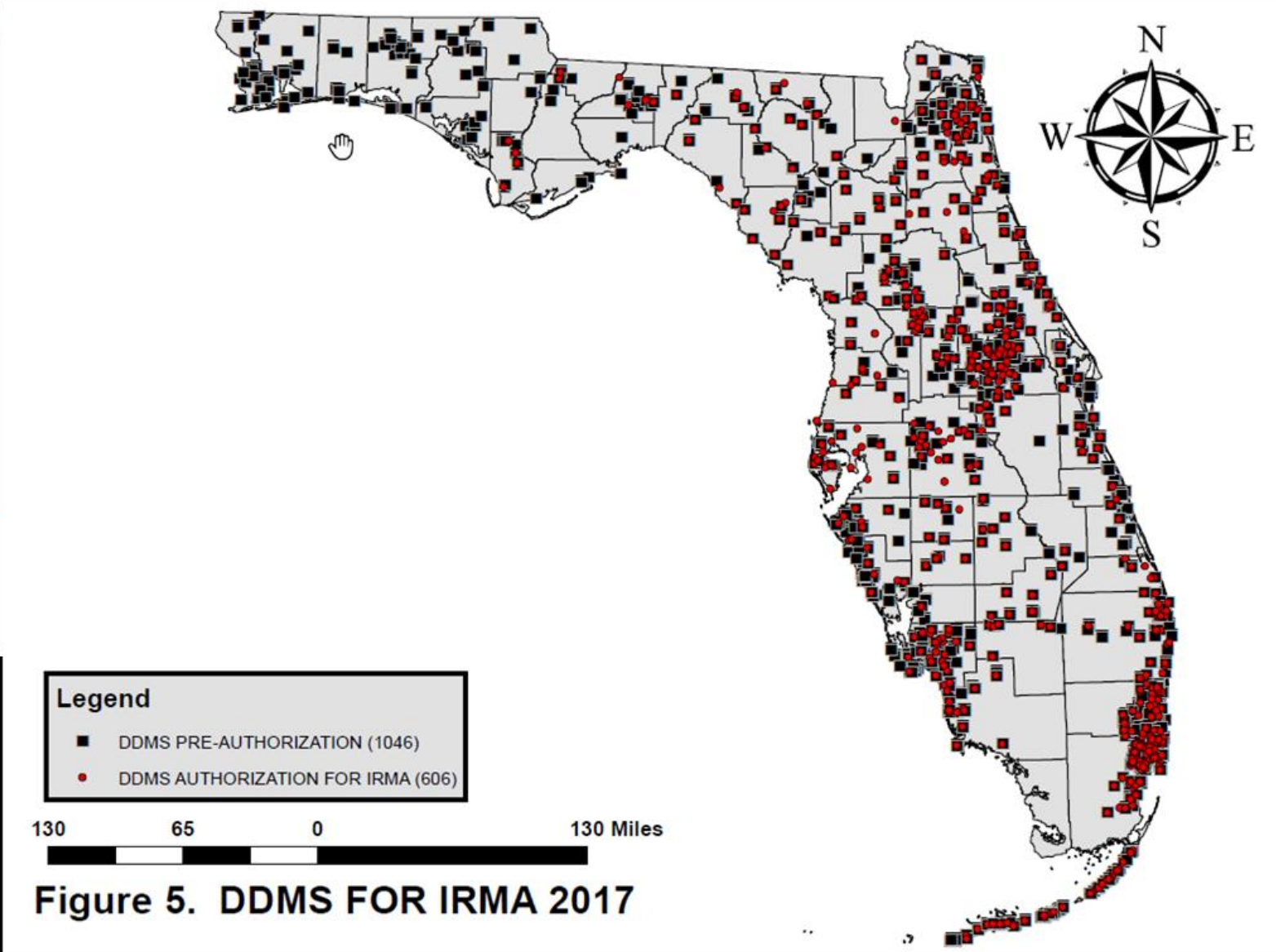
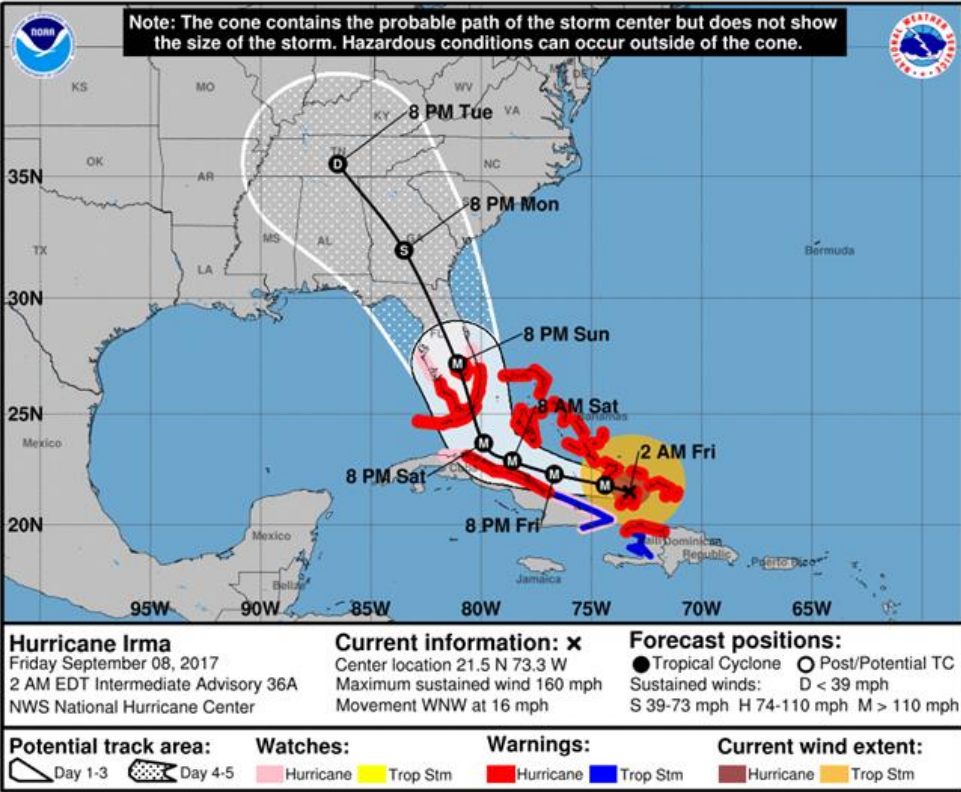
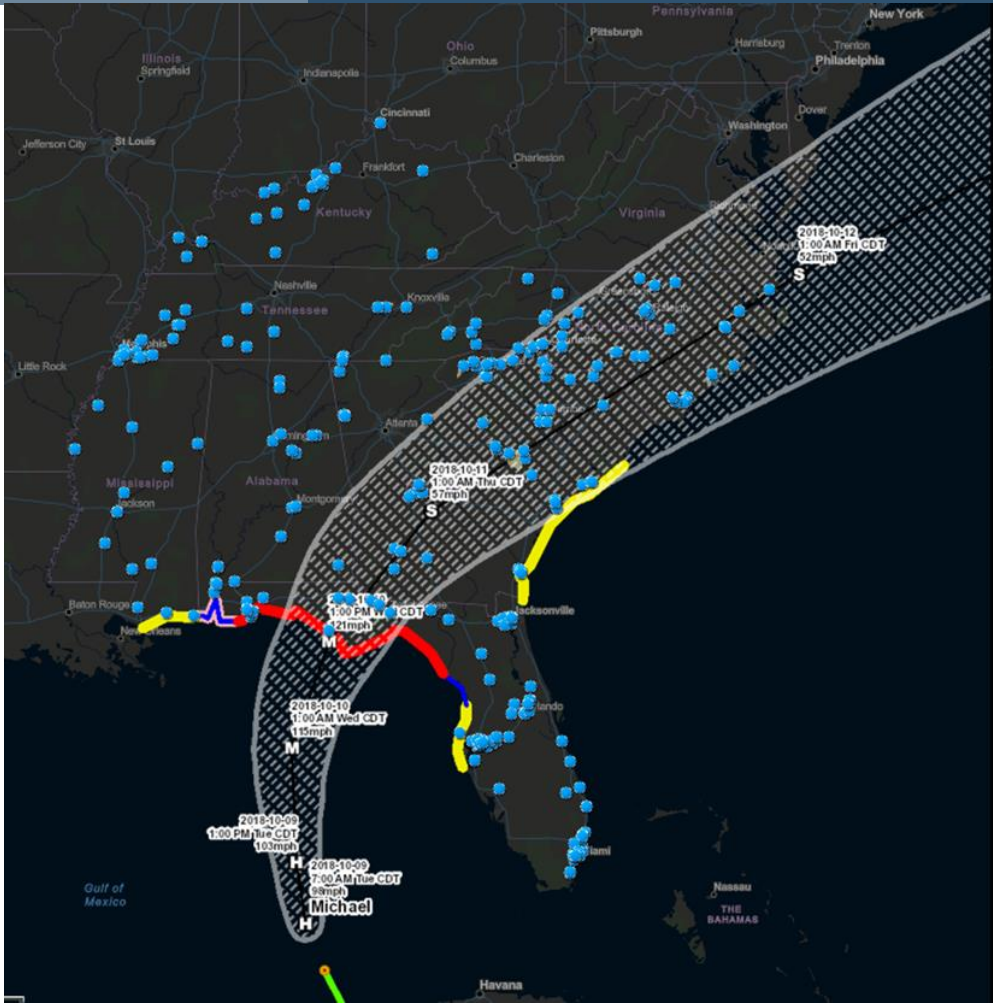


Figure 5. DDMS FOR IRMA 2017

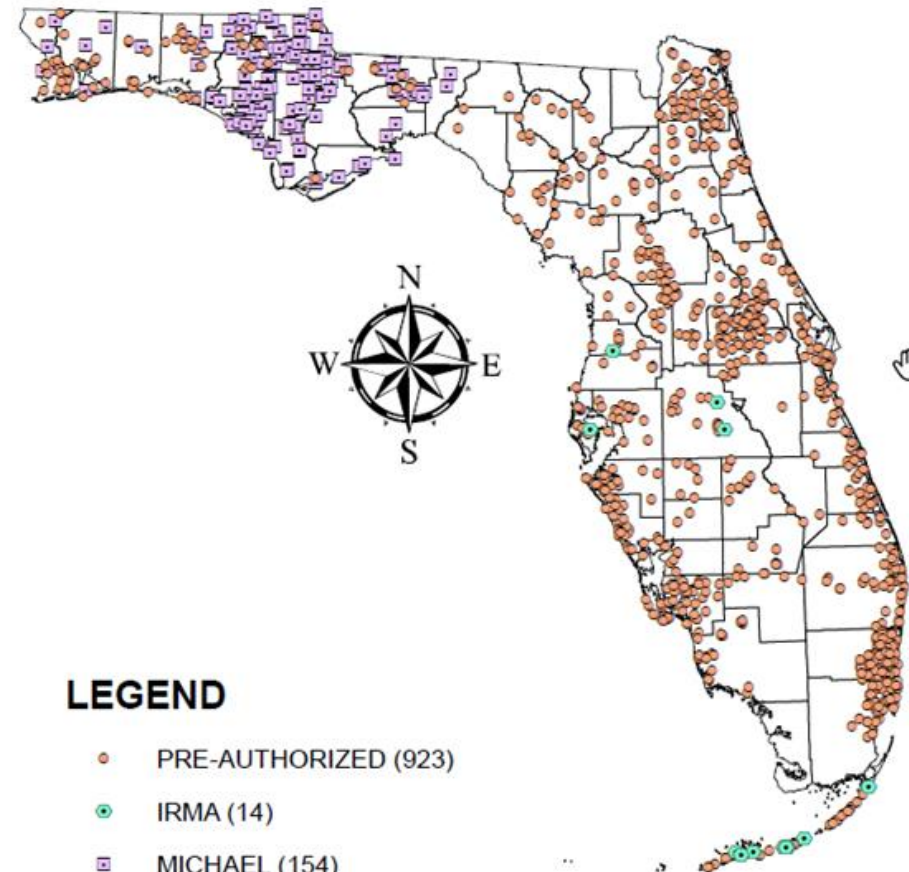




# Hurricane Michael DDMS

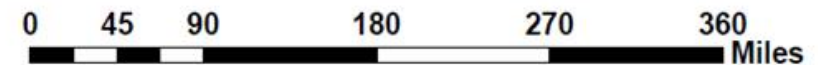


## DDMS - PRE-AUTHORIZED SITES AND AUTHORIZED TO OPERATE - HURRICANE MICHAEL & IRMA



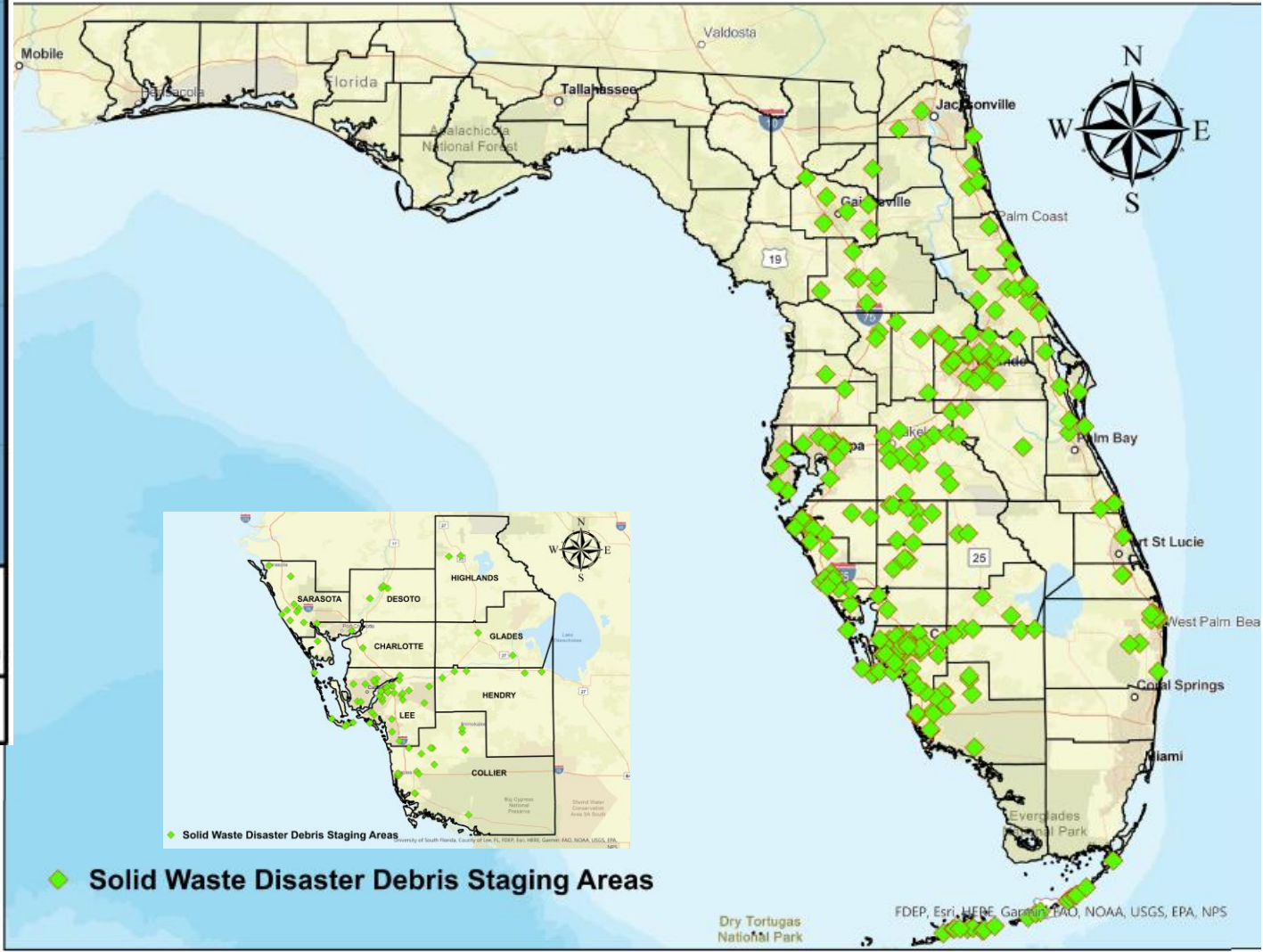
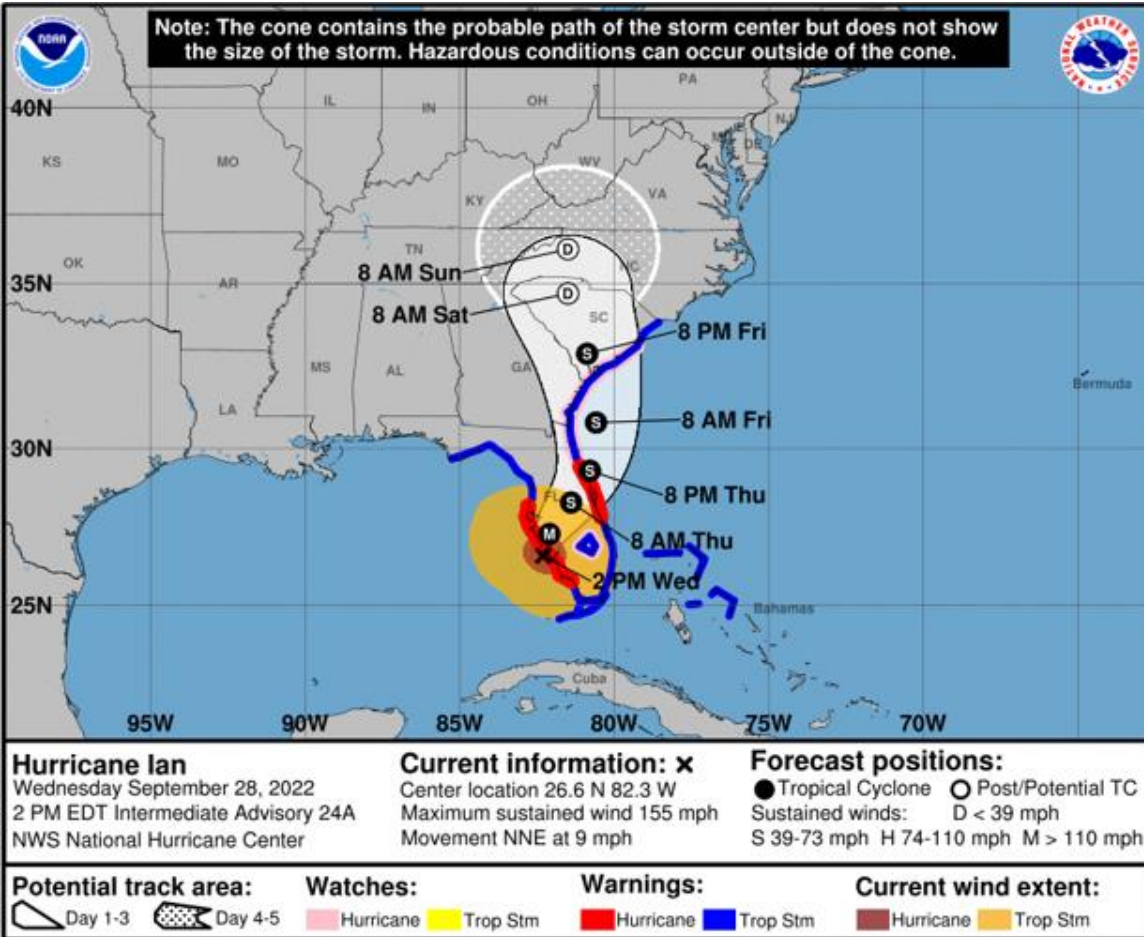
### LEGEND

- PRE-AUTHORIZED (923)
- IRMA (14)
- MICHAEL (154)





# Hurricane Ian DDMS







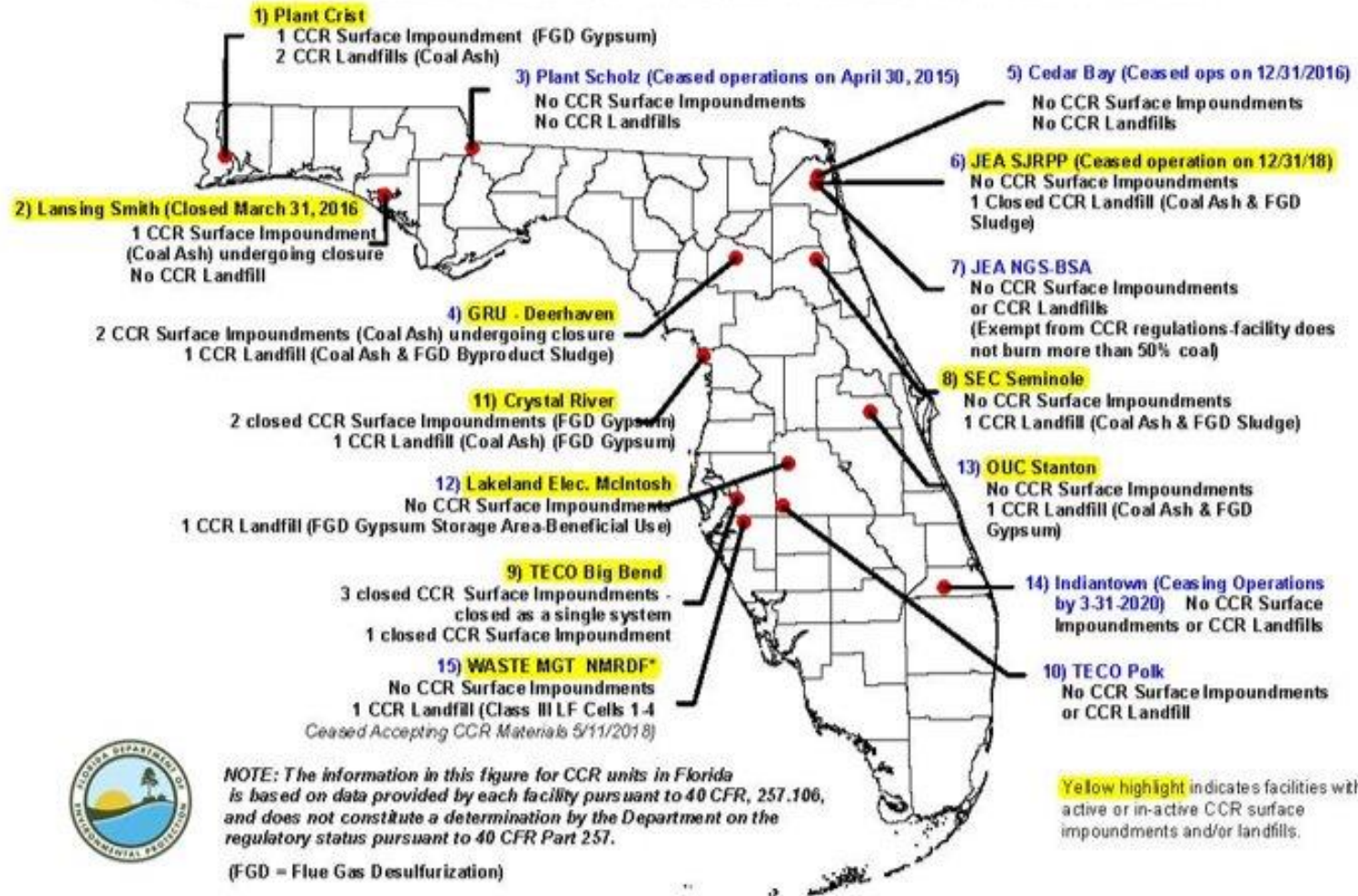
# DWM Rules

| Chapter | Title   | Effective Date                   |
|---------|---|----------------------------------|
| 62-4    | <a href="#">Permits</a>   | 02/17/16                         |
| 62-701  | <a href="#">Solid Waste Management Facilities</a>   | 08/16/22                         |
| 62-702  | <a href="#">Solid Waste Combustor Ash Management</a> (Historical)   | Repealed 02/26/12                |
| 62-704  | <a href="#">Certification of Resource Recovery Equipment</a>  | 11/15/09                         |
| 62-708  | <a href="#">Full Cost Accounting for Solid Waste Management</a>   | 02/16/12                         |
| 62-709  | <a href="#">Criteria for Organics Processing and Recycling Facilities</a>   | 02/15/10                         |
| 62-710  | <a href="#">Used Oil Management</a>   | 11/13/19                         |
| 62-711  | <a href="#">Waste Tire Rule</a>   | 02/16/12                         |
| 62-713  | <a href="#">Soil Treatment Facilities</a>   | 08/05/99                         |
| 62-716  | <a href="#">Solid Waste Grants Program</a>  | 07/31/18                         |
| 62-722  | <a href="#">Regulation of Recovered Materials</a>   | 12/17/13                         |
| 62-730  | <a href="#">Hazardous Waste</a>   | 10/30/20                         |
| 62-731  | <a href="#">County and Regional Hazardous Waste Management Programs</a>   | 02/16/12                         |
| 62-737  | <a href="#">Management of Spent Mercury-Containing Lamps and Devices Destined For Recycling</a>                                       | 10/01/21                         |
| 62-740  | <a href="#">Petroleum Contact Water</a>   | 02/16/12                         |
| 62-761  | <a href="#">Underground Storage Tank Systems</a>  | 10/13/19                         |
| 62-762  | <a href="#">Aboveground Storage Tank Systems</a>  | 04/01/21                         |
| 62-769  | <a href="#">Abandoned Tank Restoration Program</a> (Previously <i>Florida Petroleum Liability and Restoration Insurance Program</i> ) | 11/01/20                         |
| 62-770  | <a href="#">Petroleum Contamination Site Cleanup Criteria</a> (Historical)  | Repealed 06/12/13;<br>See 62-780 |
| 62-771  | <a href="#">Petroleum Contamination Site Priority Ranking Rule</a>  | 01/16/14                         |
| 62-772  | <a href="#">Procurement Procedures for Petroleum Cleanup</a>  | 07/31/22                         |
| 62-777  | <a href="#">Contaminant Cleanup Target Levels</a><br><a href="#">Guidance Documents</a>   | 04/17/05                         |
| 62-780  | <a href="#">Contaminated Site Cleanup Criteria</a><br><a href="#">Guidance Documents</a>  | 02/02/17                         |
| 62-781  | <a href="#">Drycleaning Solvent Cleanup Program</a>   | 03/13/96                         |
| 62-782  | <a href="#">Drycleaning Solvent Cleanup Criteria</a> (Historical)   | Repealed 06/12/13;<br>See 62-780 |
| 62-785  | <a href="#">Brownfields Cleanup Criteria Rule</a> (Historical)  | Repealed 06/12/13;<br>See 62-780 |
| 62-787  | <a href="#">Pollution Response Action Contracts for the Waste Cleanup Program</a>   | 11/17/20                         |
| 62-788  | <a href="#">Voluntary Cleanup Tax Credit Rule</a>   | 03/09/22                         |



# COAL COMBUSTION RESIDUALS (CCR) PERMIT PROGRAM

## Florida's Coal-Fueled Power Plants & CCR Units



\* Facility #15 is unique in that Cells 1-4 of a Class III LF was used for disposal of CCR-FGD materials from the TECO Big Bend facility through 5/11/2018.





# Grease Waste Removal & Disposal

- SB1110 passed in the 2022 Legislative Session and was signed into law creating Section 403.0741, Florida Statute. Effective July 1, 2022.
- Requires grease waste haulers to dispose of grease waste at permitted or certified disposal facilities and to document grease waste removal and disposal with service manifests.
- Inspecting entity will verify contracts for grease waste removal and conduct periodic inspections of service manifests.
- Originator and hauler must retain a copy of the signed service manifests onsite for one year.
- Specifies fines for non-compliance.
- Directs DEP to adopt rules.



## Grease Waste

[Home](#) » [Divisions](#) » [Division of Waste Management](#) » [Permitting and Compliance Assistance Program](#) » Grease Waste

### New Grease Waste Requirements Effective July 1, 2022

Beginning July 1, 2022, a copy of the signed, completed service manifest must be retained onsite by the grease waste originator and the grease waste hauler for 1 year. The service manifest documents the removal and disposal of grease waste.

#### Overview

[Senate Bill 1110](#) passed in the 2022 Florida Legislative Session and published in the Laws of Florida [2022-095](#) creating section [403.0741, Florida Statutes \(F.S.\)](#). The new law requires grease waste haulers to dispose of grease waste, including grease waste from grease interceptors, traps and graywater, at disposal facilities, and to document grease waste removal and disposal with service manifests.

Additionally, an inspecting entity will verify contracts with the hauler for the grease waste removal and periodic inspections will be performed to review contracts service manifests. Local governments are authorized to regulate grease waste removal and disposal. The Florida Department of Environmental Protection (DEP) will adopt rules.

- A **hauler** means a person who removes and disposes of grease waste.
- An **originator** means a food service establishment that processes, prepares, or serves food or beverages for consumption by the public, including, but not limited to, restaurants, commercial kitchens, cafeterias, hotels, school kitchens, hospitals, prisons, correctional facilities and care institutions.
- A **disposal facility** means a permitted or certified waste management facility that is authorized to receive grease waste.

#### Responsibilities

##### Originator

- Upon completion of grease waste removal, sign the service manifest verifying that the information is accurate.
- Retain a copy of the service manifest onsite for one year.

##### Hauler

- Document the removal and disposal of grease waste with a service manifest.



# Grease Waste continued



Originator



Manifest



Hauler



Manifest



Disposal Facility

Section [403.0741](#) requires that grease waste be tracked or manifested from the originator, through management by the hauler, until proper disposal at a certified or permitted disposal facility.

Most of the requirements are placed on haulers





# HB909- POLLUTION CONTROL STANDARDS AND LIABILITY {403.182(11)(a)}

- Provides that DEP Secretary has exclusive jurisdiction in setting standards or procedures for evaluating environmental conditions and assessing potential liability on agricultural lands.
- Effective July 1, 2022.

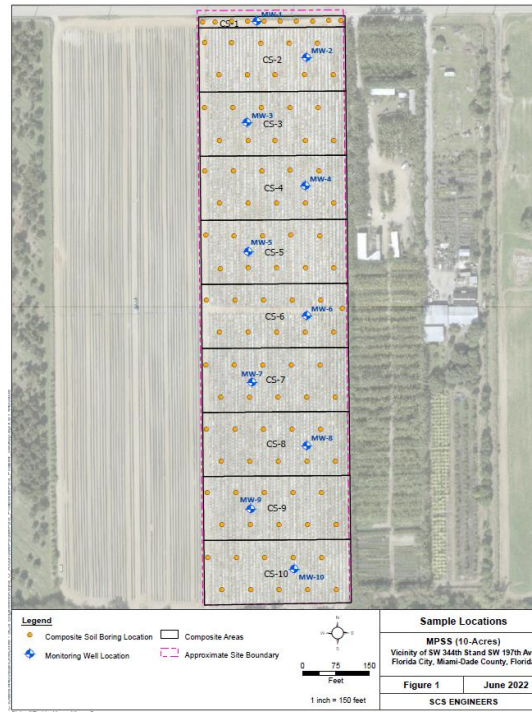
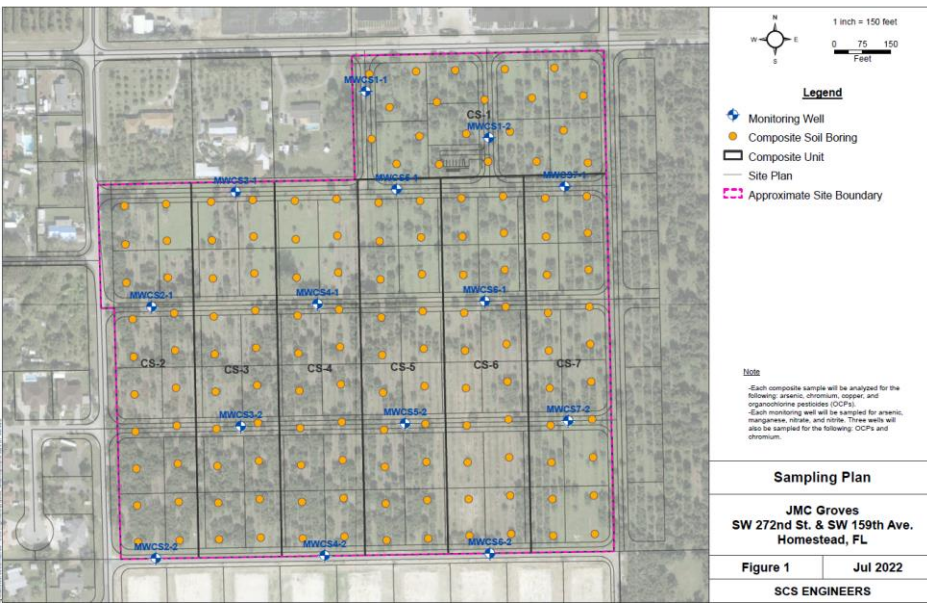


DERM GUIDANCE 7G

August 2021

Environmental Monitoring and Restoration Division  
Department of Regulatory and Economic Resources  
Division of Environmental Resources Management

## SITE ASSESSMENT GUIDANCE FOR FORMER AGRICULTURAL SITES IN MIAMI-DADE COUNTY





# CLEANUP PROGRAMS AND PROGRESS

- **Waste Cleanup Programs**

- Superfund
- State Cleanup
- Drycleaning
- Brownfield
- State Owned Lands
- Department of Defense

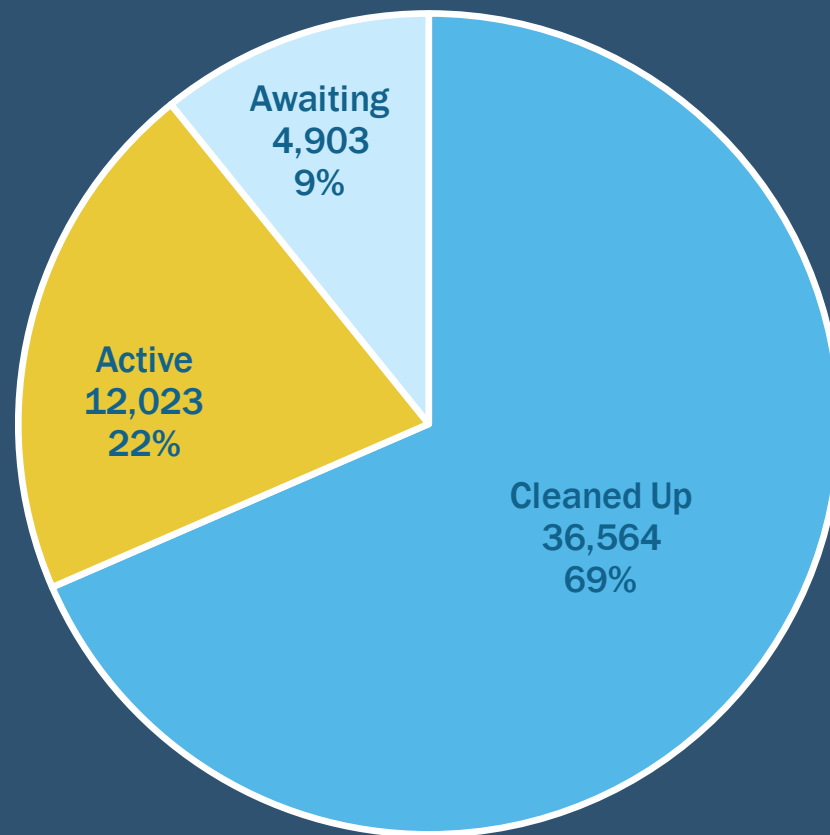
- **RCRA Corrective Action**

- **Petroleum**

- Program
- Non-program

- **District Responsible Party**

All Division Programs

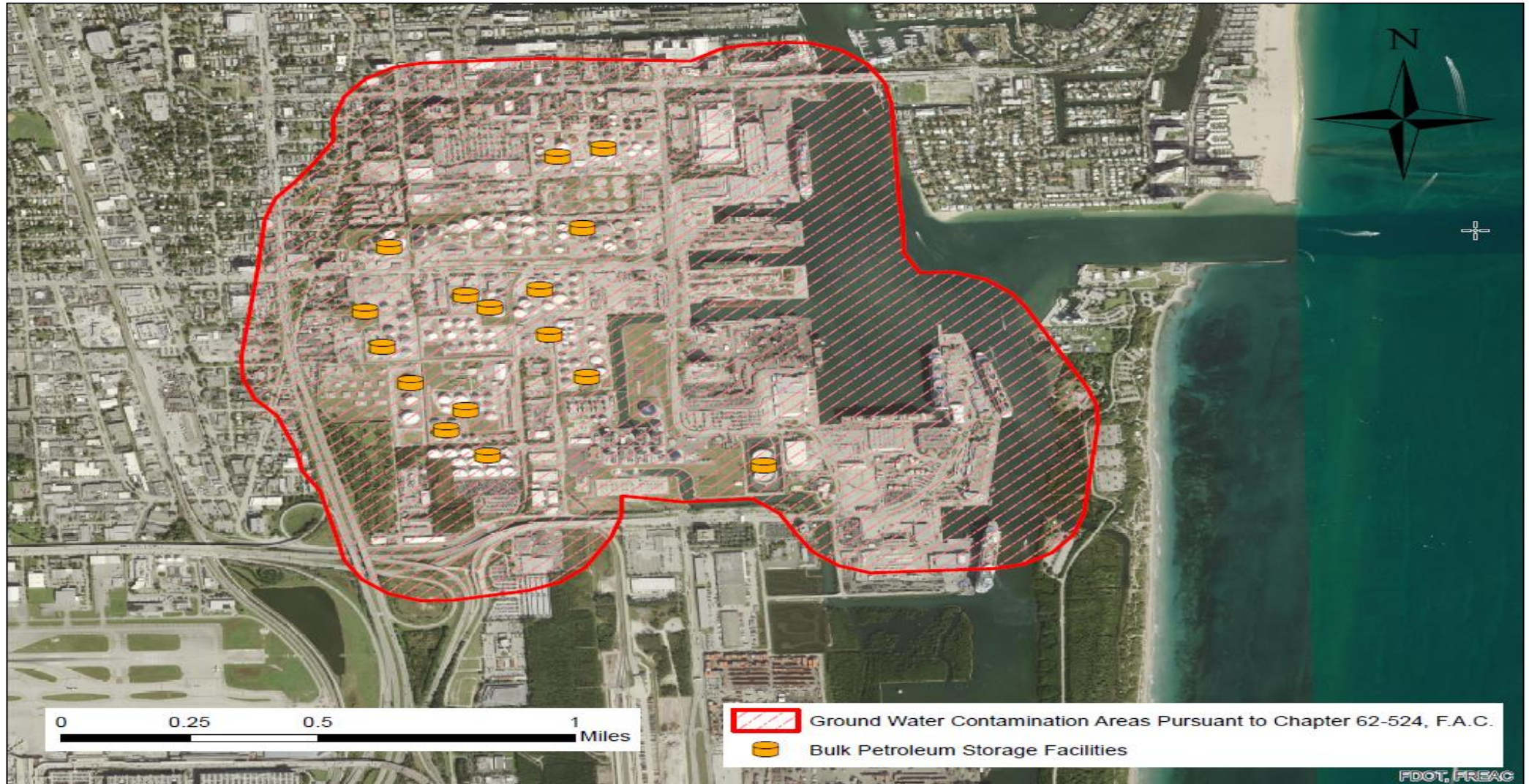






# Port Everglades

Ground Water Contamination Areas







# Petroleum Products







# HB1475 - CLEANUP OF PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES

- 376.91 Statewide cleanup of perfluoroalkyl and polyfluoroalkyl substances.
- Provides that if EPA has not finalized standards for PFAS in drinking water, groundwater and soil by Jan. 1, 2025, DEP must adopt cleanup target levels.
- Cleanup target levels must be ratified by the Florida Legislature.
- Governmental entities or private water suppliers may not be subject to any administrative or judicial action to compel site rehabilitation, payment of fines or penalties.



# PFAS- FEDERAL ACTIONS

## UPDATED INTERIM AND NEW EPA HEALTH ADVISORY LEVELS

- Interim updated HA for PFOA = 0.004 parts per trillion (ppt).
  - Interim updated HA for PFOS = 0.02 ppt.
  - Final HA for GenX chemicals = 10 ppt.
  - Final HA for PFBS = 2,000 ppt.
- 
- **CERCLA Hazardous Substance designation.**
  - **Primary drinking water regulation for PFOA and PFOS, additional PFAS and groups of PFAS (MCL rule-making).**
  - **Fifth Unregulated Contaminant Monitoring Rule (UCMR 5):**
    - 29 PFAS compounds.
    - Expansion to include smaller system participation.





# DEP'S EFFORTS TO ADDRESS PFAS IN THE ENVIRONMENT

## PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

### DYNAMIC PLAN

Division of Waste Management

Florida Department of Environmental Protection

March 2022



## DEP's PFAS WEBSITE

[FloridaDEP.gov/waste/waste-cleanup/content/dep-efforts-address-pfas-environment](https://www.floridaDEP.gov/waste/waste-cleanup/content/dep-efforts-address-pfas-environment)

- **Areas of Investigation.**
- **Technical Developments.**
- **Resources.**

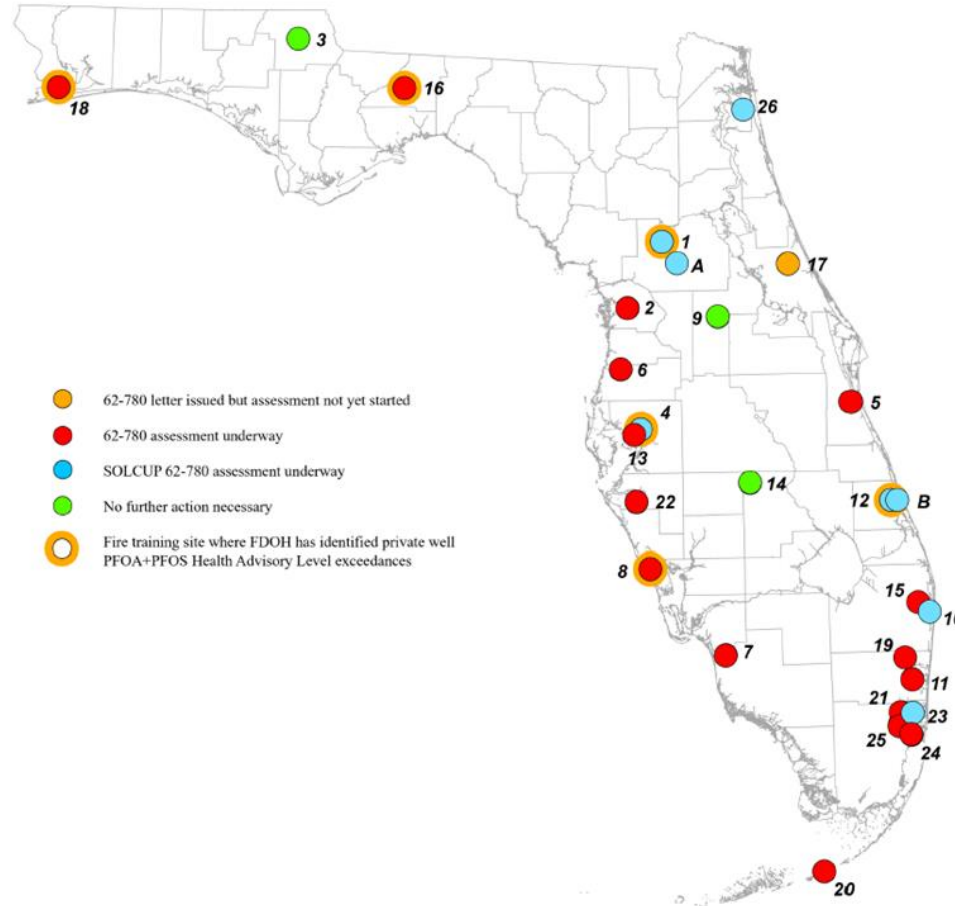
## DYNAMIC PLAN

[FloridaDEP.gov/waste/waste-cleanup/documents/dwm-pfas-dynamic-plan](https://www.floridaDEP.gov/waste/waste-cleanup/documents/dwm-pfas-dynamic-plan)



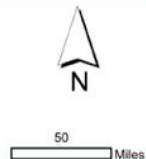
# CERTIFIED FIRE TRAINING FACILITIES

| ID | Training Center                                |
|----|--|
| 1  | Florida State Fire College                     |
| 2  | Citrus Sheriff Fire Training Center            |
| 3  | Chipola College                                |
| 4  | Hillsborough Community College                 |
| 5  | Melbourne Fire Training Facility               |
| 6  | Pasco County Fire Rescue Training Center       |
| 7  | Bonita Spings Fire Control and Rescue District |
| 8  | Englewood Fire Department                      |
| 9  | Lake Tech Fire Academy                         |
| 10 | Palm Beach State College                       |
| 11 | Plantation Fire Department                     |
| 12 | Indian River State College                     |
| 13 | Tampa Fire Rescue Training Facility            |
| 14 | South Florida State College                    |
| 15 | Palm Beach County Fire Rescue                  |
| 16 | Tallahassee Fire Department                    |
| 17 | Volusia County Fire Training Center            |
| 18 | Pensacola Fire Department                      |
| 19 | Coral Springs Fire Academy                     |
| 20 | Monroe County Training Academy (Joe London)    |
| 21 | City of Hialeah Training Facility              |
| 22 | Manatee Technical Institute Fire Academy       |
| 23 | Miami Dade College                             |
| 24 | City of Miami Fire Rescue Training Center      |
| 25 | Miami Dade Fire Rescue                         |
| 26 | Fire Academy of the South                      |
| A  | Former Florida State Fire College              |
| B  | Former Indian River State College              |



**Current and Former Florida Certified Fire Training Facilities PFAS Assessment Status As of August 15, 2022**

PFAS: Per- and polyfluoroalkyl substances  
 PFOA: Perfluorooctanoic acid  
 PFOS: Perfluorooctanesulfonic acid  
 FDOH: Florida Department of Health  
 SOLCUP: State Owned Lands Cleanup Program  
 62-780: Chapter and Rule associated with Contaminated Site Cleanup Criteria







# THANK YOU

**Tim Bahr**

Division of Waste Management  
Florida Department of Environmental Protection

CONTACT INFORMATION:  
[Tim.Bahr@floridadep.gov](mailto:Tim.Bahr@floridadep.gov)