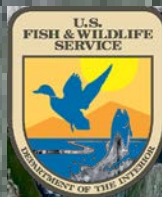
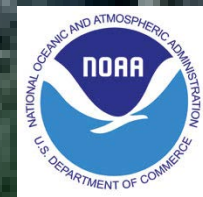


NATURAL DISASTER OPERATIONAL WORK GROUP





What is NDOW?

- State and Federal Multi-agency Work Group
- Formed after Hurricane Ike
 - Data Issues/No common operating picture
 - Plan development not an easy process
- Representatives of agencies met to find “better way”
- First exercise happened in July of 2012 at Corpus Christi – ICP at Al Amin Facility



NDOW Tools/Products as of May 2018

- Centralized Data System (Response Manager)
- Web Viewer directly fed by Data System
- Field Data Sheets
 - Hazard Evaluation/Facility-Vessel Oil Discharge
 - Available on iPad
 - Developed “Lite-Form” for Vessel Removals
 - Water Infrastructure Assessment for Drinking Water Facilities
 - Water Infrastructure Assessment for Waste Water Facilities
- 8 SOPs Finalized



NDOW Tools/Products as of May 2018

- ICS 214B developed to assist State in tracking costs
- Marsh Operation Plan Templates for Entire Texas Coast
- Inter-agency Teams Created
 - Safety (Developed HASPs and JHAs)
 - Communications (Created to assist interoperability)
- ICP/Branch Camp/Staging Area Locations Identified along Texas Coast

NDOW Website

www.ndow.net

NATURAL DISASTER OPERATIONAL WORKGROUP

Home

Calendar

Contacts

Documents

Photos

Links

RM Support

RM Training

Coastal Spill

Plans

Login

Mission Statement :

The Natural Disaster Operational Workgroup (NDOW) was created as a result of the Hurricane Ike Texas response to improve coordination between State and Federal Agencies operating under Emergency Support Functions (ESF)s 3 and 10. Like the NRF, NDRF, and NIMS the NDOW seeks to establish an operational structure and common planning framework. The NDOW established a framework of standard operational procedures, standardized data quality objectives, one common database system, training and exercises for effective coordination of multi-agency response to man-made and natural disasters. The NDOW framework is a concept of operations and not intended to impose new, additional or unfunded net resource requirements on State or Federal agencies. In support of the National Incident Management System (NIMS) the framework optimally engages existing State and Federal resources and authorities, incorporating the full capabilities of all sectors. The NDOW intends to institutionalize and expand use of standardized procedures throughout all Gulf Coast Regional Response Team (RRT) agencies to ensure effective incident response in support of community recovery.

The NDOW is comprised of the following Agencies:

- United States Environmental Protection Agency Region Six
- United States Coast Guard District Eight
- Texas Commission on Environmental Quality
- Texas General Land Office
- Texas Parks and Wildlife Department
- National Oceanic Atmospheric Administration
- United States Fish and Wildlife Service

EPA Response Manager is currently on version 6.5.0 - To download the latest install package, [click here.](#)





Hurricane Harvey

- Landfall on August 25, 2017
- TGLO and USCG began Oil Discharge Assessments on August 26th
- TCEQ and EPA traveled to Corpus Christi August 29th – set up Unified Command at Al Amin Facility
- TCEQ and EPA began Rapid Needs Assessments and Hazard Evaluations on August 30th



Hurricane Harvey

- Unified Command began August 30th with TGLO and USCG moving to ICP September 1st
- 3 Branches created
 - Alpha – Corpus Christi (TCEQ Region 14)
 - Bravo – Houston (TCEQ Region 12)
 - Charlie – Beaumont/Port Arthur (TCEQ Region 10)
- Over 260 Responders at Highest Staffing Levels



Hurricane Harvey

- EPA transitioned activities back to TCEQ Regional Offices on September 26th
- EPA and TCEQ left Unified Command in late September
- TGLO and USCG remained in Unified Command
- Targets
 - 649 Orphan Containers
 - 266 Facilities/Spills
 - 470 Vessels



Hurricane Harvey

- How did it go? Overall it went very well
 - Tools performed well
 - Teams made of multiple agencies
 - Spoke “one language” with one Common Operating Picture
- Of course there are some Hot Wash Issues
 - How follow-up visits are tracked
 - How quickly do we get teams in the field
 - How do we handle NRC reports
 - ???

So where does that leave us?

**TRAINING AND EXERCISING
TO GET EVEN BETTER**

NDOW Process

What we do and why



NDOW Process

- Deployment of Light IMT/Strike Team
- Rapid Needs Assessment
- Hazard Evaluation/Oil Discharge Assessments
- Orphan Container Recovery/Oil Discharge Removal
- Waste Pad Creation
- Transition and De-mobilization



But what am I going to do?

- That depends on your role
 - Field Operations
 - Working in IMT outside of Operations
 - Working in REOC



Field Operations

- Hazard Evaluations/Oil Discharge Assessments
 - Using Grid System – create targets for orphan containers
 - Create targets for oil spills/facility spills or damage
 - Create targets for vessels to be handled under ESF-10
- Orphan Container Recovery/Oil Discharge Removals
 - Recover Containers found during Evaluation
 - Monitor RP led removal
 - Vessel Removal
 - Facility visits to monitor clean-up/repairs



Field Operations

- Waste Pad Monitoring
 - Ensuring safe segregation of wastes
 - Monitor sampling/categorization/consolidation of wastes
 - Reporting on wastes received and removed
 - Work with RPs to pick up wastes/materials from the Pad



Working in IMT outside of Operations

- Meetings
 - Command and General Staff
 - Planning
- Deliverables
 - 213RRs
 - IAP
 - Medical/Safety Plans
 - Communications
- Supporting Operations
- Working with various Reach Back Organizations

REOC

- Meetings
- Reporting
- Hot Issues
- Coordinate with Field (IMT)

NDOW Process

- What questions do you have?
- What role are you going to be doing?
- Post-training homework – Visit NDOW.net and review the SOPs