Hurricane Harvey 2017
9/7/2017 – 0700 CDT Update

EXECUTIVE SUMMARY

- Texas Governor Abbott will hold a press conference at 10 am this morning. EPA Acting RA Coleman will participate.

- Texas Governor Abbott is traveling to Corpus Christi and Fort Bend County today, Victoria and Houston on Friday, and Beaumont on Saturday. He will be accompanied by EPA Acting Regional Administrator Coleman today and tomorrow; and Senior Advisor Kell Kelly on Saturday.

- Senior Advisor Kell Kelly will join the FEMA Joint Field Office (JFO) in Austin today as EPA's Senior Federal Official.

- EPA continues to monitor air quality in Manchester neighborhood utilizing the Trace Atmospheric Gas Analyzer (TAGA). EPA's air monitoring performed in the area does not indicate levels of concern for the community.

- EPA completed 50 drinking water and 40 wastewater systems on-site assessments

- EPA recovered 5 hurricane-damaged containers in the Corpus Christi area; for a total of 96 containers collected to date.

- In partnership with TCEQ and US Coast Guard (USCG), EPA has completed post-hurricane environmental damage assessments in four counties (Liberty, Austin, Waller, Chambers). completed 25 assessments in the Houston area and responded to a wastewater spill at Sherwin Alumina in Aransas County and oil discharge at the Motiva facility near Pt. Arthur. No new major spills were noted.

- As of today, nineteen community liaisons have been deployed to Houston for future assignment to county emergency operations centers.

- EPA is preparing to launch a voluntary program for screening of private drinking water wells.

- EPA will begin post-hurricane confirmation sampling at the thirty-four NPL Superfund sites in Texas today. TCEQ is also evaluating state Superfund sites.

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- EPA Dive Team has been deployed to oversee PRP activities at the San Jacinto Superfund Site to ensure the integrity of the temporary cap.

PUBLIC AFFAIRS

The EPA liaison to the City of Houston Mayor's Office provided an update at the Emergency Operations Center Senior Leadership meeting on September 6, 2017, letting Mayor Turner know that EPA is working with the Texas Commission on Environmental Quality and the City of Houston to respond to concerns about air quality associated with emissions from the Valero Houston Refinery.

The EPA liaison met with the Public Information Officer for Houston's Office of Emergency Management and the Director of the City's Neighborhood Department and briefed them on the deployment of EPA Community Liaison's to county Emergency Operations Centers throughout the impacted areas. The Neighborhood Department Director asked EPA to share materials/flyers or web resources related to steps that people can take when returning to their homes.

EPA has deployed a Public Information officer to FEMA's Joint Information Center (JIC) in Austin, Texas.

DEBRIS RECOVERY

EPA currently has no mission assignment for debris recovery operations.

AIR MONITORING

Air Monitoring was conducted along the Valero Houston Refinery's perimeter. No levels of concern were detected.

Two real-time telemetry systems will be deployed today at the Valero fence line near Tank #3 which was damaged in the storm but is now repaired. Two additional Viper systems will be sent from the Region 6 Warehouse for a total of four.

The TAGA conducted air monitoring throughout the Manchester neighborhood and around the Valero Houston Facility with no levels of concern detected.

TCEQ and the City of Houston also conducted air monitoring and infrared thermal imaging. No elevated readings were detected.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	**Opened**		**Closed**	
	9/6/2017	**Cumulative**	**9/6/2017**	**Cumulative**
Corpus Christi Branch	1	29	4	69
Houston Branch	2	154	2	24
NRC Reports	0	3	0	0
Note: Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.				

Daily/Cumulative Summary of Spills/Discharges				
Status	**Opened**		**Closed**	
	9/6/2017	**Cumulative**	**9/6/2017**	**Cumulative**
Corpus Christi Branch	32	383	26	58
Houston Branch	17	54	6	12
NRC Reports	2	29	0	15
Note: Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.				

FIELD RESPONSE ACTIVITIES

CORPUS CHRISTI BRANCH:

Material from the Port Aransas Staging Pad has been transported and consolidated into the larger Aransas staging pad.

The Hazard Evaluation (HE) team conducted an assessment at Sherwin Alumina in Aransas County and met with facility personnel to assure discharges of red mud and wastewater from the the Facilities four waste management beds are cleaned up. The HE team attempted to assess additional facilities in San Patricio County but were unable to access the facilities from the land. Water OPS teams will follow up.

Response teams recovered one drum by boat. An additional two drums and one tote were recovered by ground operations.

Oil Discharge Recovery Group 1 continued coordination efforts and monitored Responsible Party clean-up operations in Conn Brown Harbor. ODR 1 assessed upcoming salvage operations for three vessels and prioritized threats to the environment for removal.

ODR 2 continued coordination efforts and monitored Responsible Party led operations in Island Moorings. Twenty additional sites were added during assessment of surrounding areas. Eight containers were removed.

Orphan Container Recovery 2 recovered a cylinder on Interstate 35 and two propane cylinders in a debris line.

	CONTAINERS			**TOTAL**
	Drums [55 gals]	**Small Containers [<55 gals]**	**Large Containers [>55 gals]**	
9/6/2017	1	3	1	5
Total to date	50	35	6	96

HOUSTON BRANCH:

Twenty-five HE teams conducted assessments in Austin, Waller, Montgomery, Walker, Colorado and Fort Bend Counties. HE assessment status: 100% complete in Liberty County, Austin County, Waller County and Chambers County. 90% complete in Montgomery County, Walker County and Colorado County. 10% complete in Fort Bend County. Some HE assessments in Walker County

were impacted by road closures and flooding.

An Air Reconnaissance Team conducted an aerial overflight yesterday morning to assess Walker County and Montgomery County, identifying no new targets. The Branch Director and Deputy Branch Director flew a survey of the Houston Ship Channel to verify clean-up of existing discharges and clear up confusion on existing reports.

Six Discharge Assessment Teams identified 16 potential staging areas. The Discharge Assessment Group will be plotting these locations on grids and working with the State to make sure the areas are viable for operation needs.

ASPECT completed Zone 10 (Katy North). Eighty targets were completed in Zone 10. Current plans are to resume the survey in Zone 8.

PORT ARTHUR/BEAUMONT BRANCH:

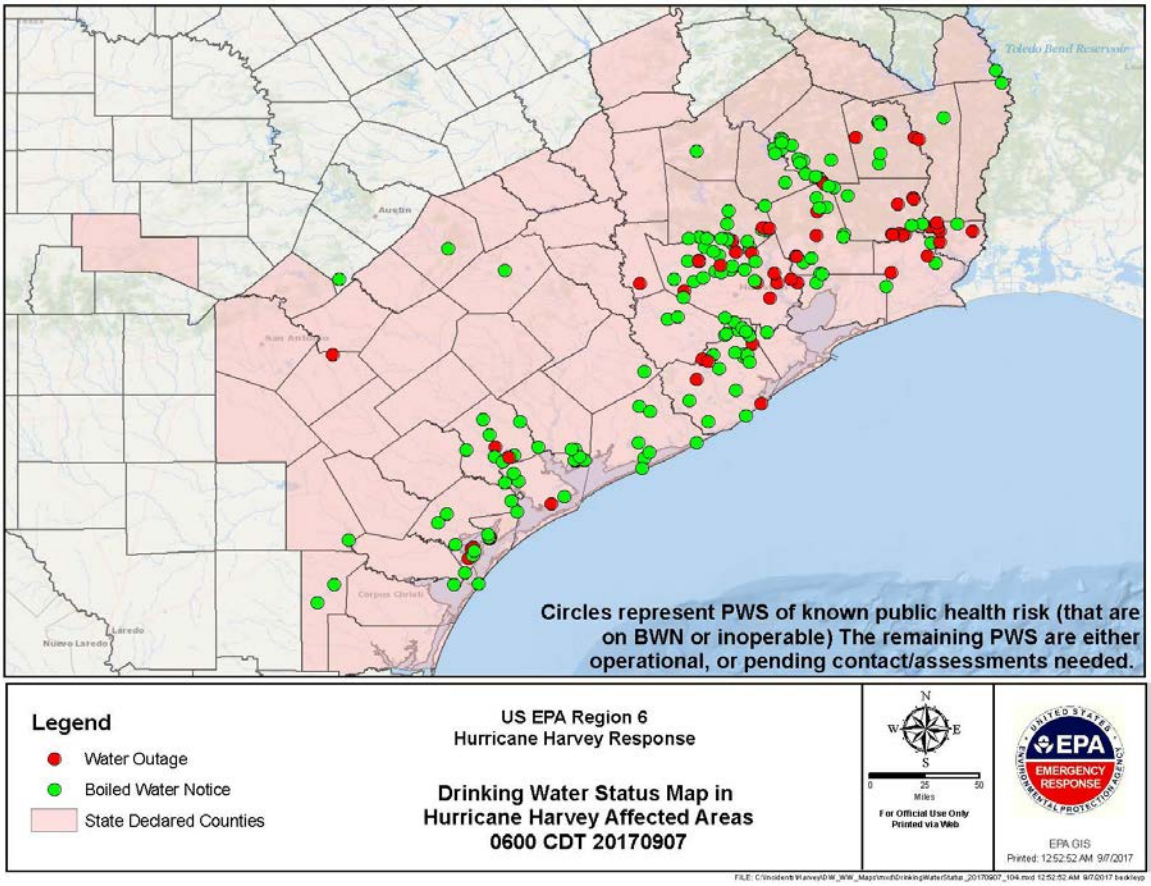
HE teams covered areas in Jefferson County and inspected Neches River facilities, including the Trinity Triangle Marine and observed no targets. The Exxon/Mobil Beaumont Refinery reported widespread flooding, but no discharge. Boom is deployed as a precaution. The Beaumont Yacht Club is still flooded and inaccessible. A HE team assessed an oil spill and TCEQ sampled the material to determine its source.

Teams performed assessments of Alligator Bay, but the road had washed away and there was no access. They also performed assessments of Pleasure Island and Taylor Bayou but no concerns were noted. An oil discharge was identified from the Motiva facility. An Oil Spill Response Organization (OSRO) was on-scene and removing the spill. Visible sheens and emulsified oil were also observed at three separate locations along a pipeline.

DRINKING WATER/WASTEWATER ASSESSMENTS

EPA is providing support to TCEQ for drinking water and wastewater system assessments. There are 10 EPA at the TCEQ Austin phone bank including one assisting with data flow and technical regulatory questions. In addition, drinking water and wastewater assessment teams are currently established in Houston. Current response activities consist of 14 EPA personnel conducting drinking water and wastewater assessments in the Houston Branch and 2 EPA personnel conducting drinking water and wastewater assessments in the Port Arthur/Beaumont Branch.

Drinking Water and Wastewater Assessments (September 6, 2017)		
Assessment Types	**Daily Assessments**	**Total Assessments**
On-Site DW Assessments	50	168
On-Site WW Assessments	41	115
Phone DW Assessments	432	4510
Phone WW Assessments	98	2794


Toledo Bend Reservoir
Austin
San Antonio
Corpus Christi
Laredo
Nuevo Laredo
Circles represent PWS of known public health risk (that are on BWN or inoperable) The remaining PWS are either operational, or pending contact/assessments needed.
Legend
Water Outage
Boiled Water Notice
State Declared Counties
US EPA Region 6
Hurricane Harvey Response
Drinking Water Status Map in Hurricane Harvey Affected Areas
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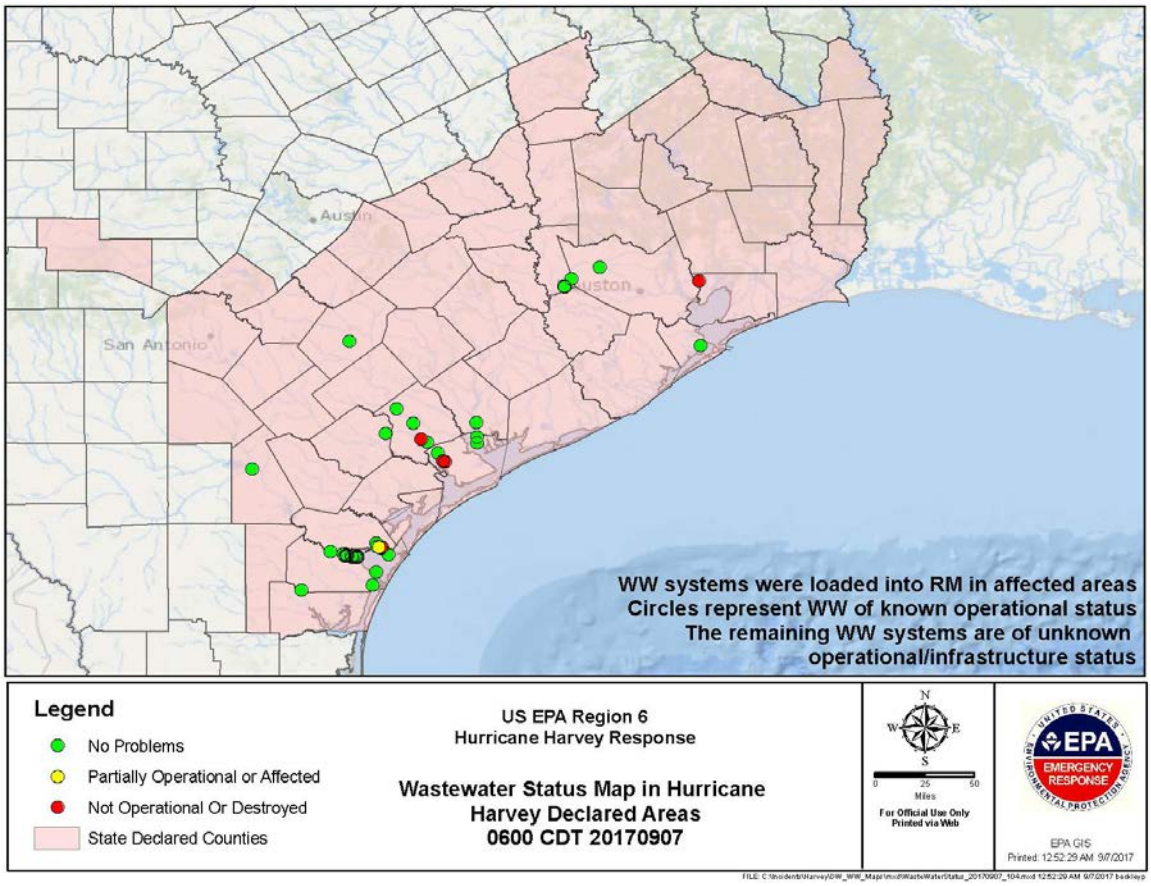
Austin
San Antonio
WW systems were loaded into RM in affected areas
Circles represent WW of known operational status
The remaining WW systems are of unknown operational/infrastructure status
Legend
No Problems
Partially Operational or Affected
Not Operational Or Destroyed
State Declared Counties
US EPA Region 6
Hurricane Harvey Response
Wastewater Status Map in Hurricane Harvey Declared Areas
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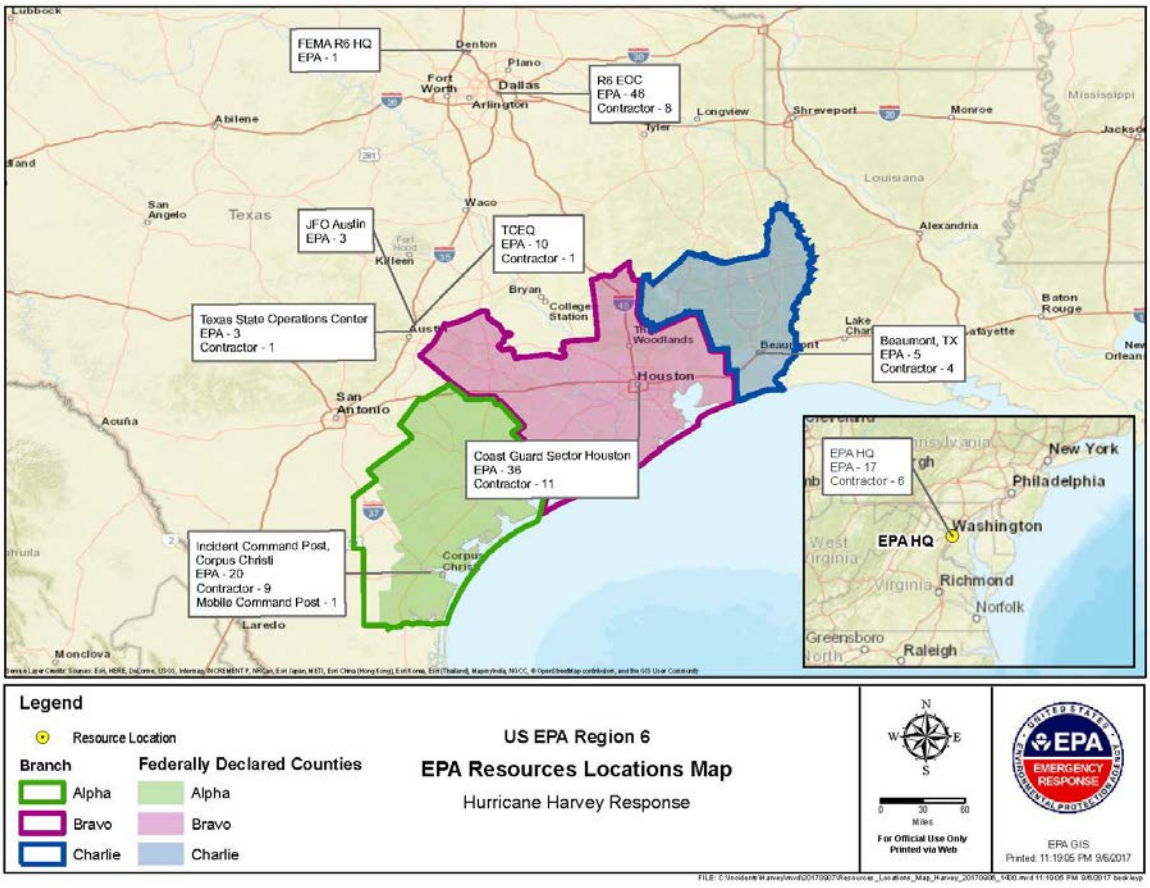
EPA RESOURCES

Personnel	EPA Dallas, TX	FEMA Denton, TX	Texas JFO Austin, TX	Texas SOC Austin, TX	TCEQ Austin, TX	Houston, TX	Corpus Christi, TX	Beaumont, TX	HQ EOC, Wash, DC	TOTAL
EPA	46	1	3	3	10	36	21	5	17	142
START	8			1	1	11	9	4		34
ERRS						7	8			15
Other Contractors	1								6	7
TOTAL	55	1	3	4	11	54	38	9	23	198



FUNDING

SitRep

September 6, 2017, UPDATED 1300 hours

Funding Sources	Funding Ceiling	Funding Ceiling Less Indirect	Spent to Date	Remaining Balance	Daily Burn Rate	Days Remaining
Non Mission Assignment	N/A		$64,200.00	$0.00		
MA 4332DR-TX-EPA-01	$275,000.00	$242,741.00	$19,120.00	$223,621.00	$2,848.00	78.52
MA 4332DR-TX-EPA-03	$8,592,000.00	$7,584,077.00	$3,699,109.86	$3,884,967.14	$294,639.98	13.19
Totals:	$8,867,000.00	$7,826,818.00	$3,782,429.86	$4,108,588.14		

** Indirect costs represent the money the Cincinnati Shared Service Center takes off the top to manage the Mission Assignments

REFINERIES/FUEL WAIVERS

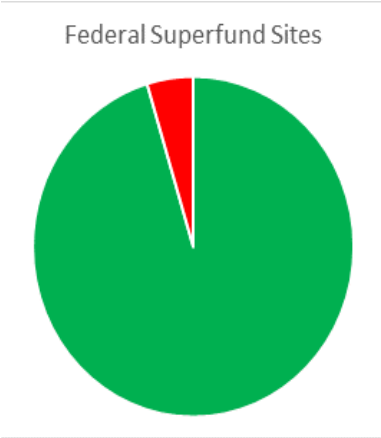
- EPA is reaching out to the states to see if there is agreement about extending the current multi-state fuel waiver beyond September 15th. EPA is in the process of evaluating the responses and no final decision has been made yet.

- EPA has granted all open fuel waivers requested to date.

- EPA has issued a No Action Assurance for the Use of Vapor Recovery Systems in Texas Related to Hurricane Harvey (September 1, 2017). EPA will exercise its discretion not to pursue enforcement for violations of the vapor recovery requirements for fuel loading and unloading under 40 CFR Part 60 Subpart XX and Part 63 Subparts, R, Y, CC, BBBBBB, and 30 Texas Administrative Code sections 115.212, .214.

- The Internal Revenue Service expanded the red dye fuel waiver to cover the entire state of Texas, not just the 110 counties as before.

FEDERAL SUPERFUND NPL SITES



- All 43 Federal Superfund NPL Sites in the affected area have been assessed.

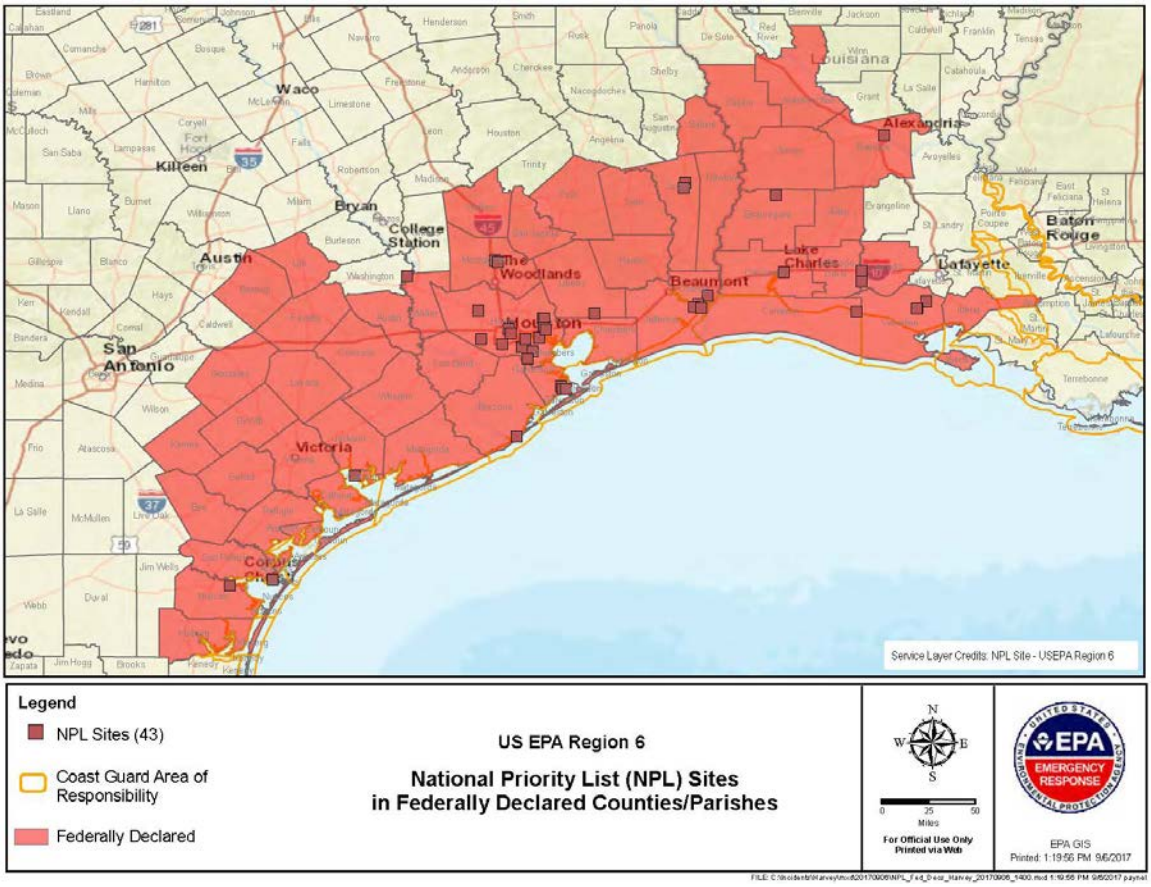
- 41 sites have been cleared.

- EPA is preparing to sample all 34 NPL sites in Texas to confirm no releases.

- Two sites (San Jacinto Pits and US Oil Recovery) required additional follow-up and the following was noted:

    - San Jacinto: The EPA dive team will be overseeing the assessment. To ensure the integrity of the temporary cap.

    - US Oil: The PRP Group collected two water samples from the chlorine contact tank on September 5 to be analyzed for VOCs, SVOCs and RCRA metals.



Legend

- NPL Sites (43)
- Coast Guard Area of Responsibility
- Federally Declared

US EPA Region 6

National Priority List (NPL) Sites in Federally Declared Counties/Parishes

N W E S

0 25 50 Miles

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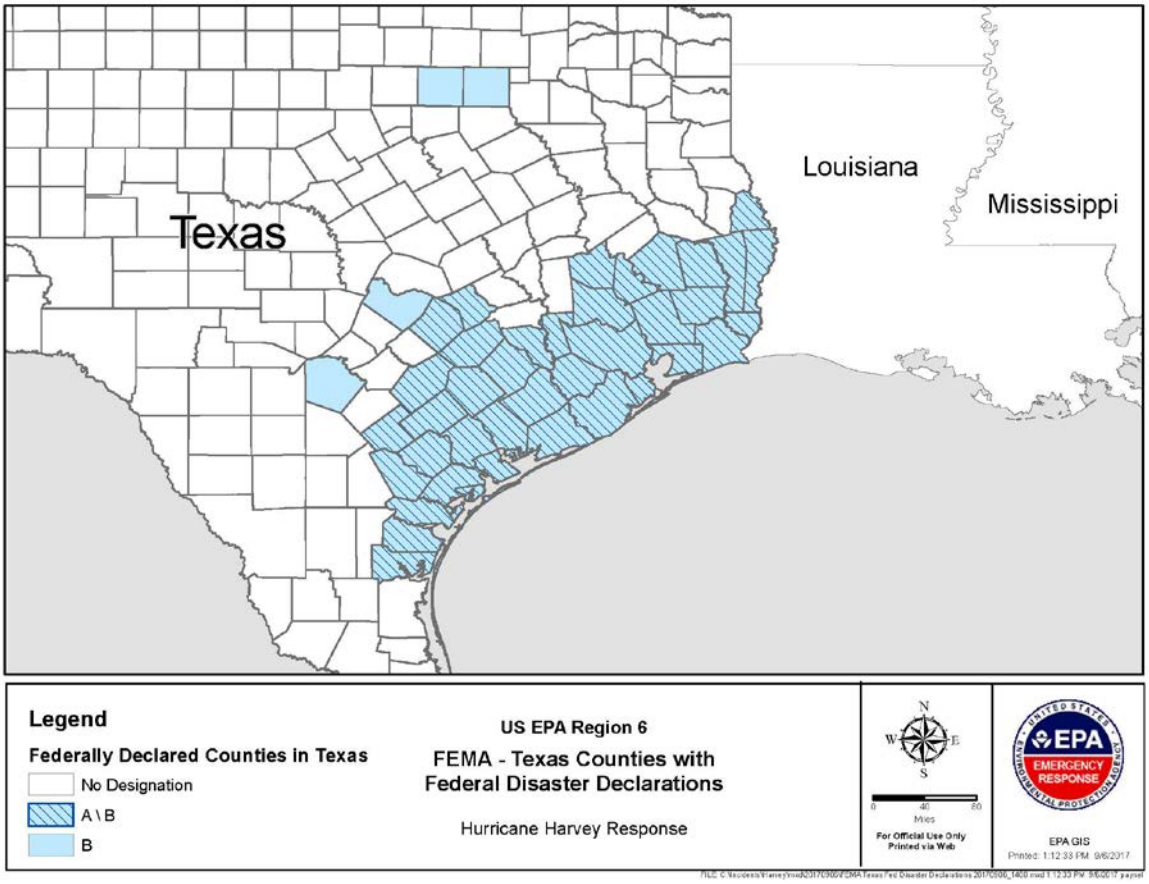
FEMA – TEXAS COUNTIES WITH DISASTER DECLARATIONS



9/6/2017 FIELD ACTIVITIES

PHOTOS

Mobile Command Center at Port Arthur Branch