



Hurricane Harvey 2017 9/4/2017 – 0700 CDT Update

EXECUTIVE SUMMARY

- The remaining peroxide trailers at the Arkema facility were manually ignited in a controlled method to eliminate the risk of an uncontrolled event.
- A staging area was secured for the Beaumont branch and two OSCs will be mobilizing there tomorrow.
- Field response activities continued at both the Corpus Christi and Houston Branches. As areas are evaluated, the focus changes from assessment to recovery.
- Multiple Superfund Phase 2 Site inspections are planned for the next two operational periods. One Superfund Phase 2 inspection was completed this operational period.
- The Acting Regional Administrator and advisors to the Administrator are meeting this morning with the Houston Mayor and other local and state officials.
- The Acting Regional Administrator and advisors to the Administrator will be touring NPL sites with reporters from several national media outlets, and may be attending a Congressional briefing later today.

PUBLIC AFFAIRS

A Field Public Information Officer (PIO) was mobilized to the Houston Mayor's Office on September 3 and began operating out of the Houston Emergency Center. The liaison has been asked to provide daily updates on EPA activity in Houston.

EPA issued a joint statement with the Texas Commission on Environmental Quality about a controlled burn of materials at the Arkema facility in Crosby, Texas. The Crosby Volunteer Fire Department and the Harris County Fire Marshall's Officer performed the burn.

ARKEMA

[EPA/TCEQ statement on controlled ignition of trailers at Arkema facility in Crosby](#)

The U.S. Environmental Protection Agency and the Texas Commission on Environmental Quality

released the following statement along with Unified Command regarding the decision to conduct a controlled ignition of remaining trailers at Arkema's facility in Crosby:

It is the understanding of personnel on the ground that the remaining trailers are at risk of catching fire over the next few days. Rather than risk additional damage to the facility or spreading into the surrounding area, the Crosby Volunteer Fire Department and the Harris County Fire Marshal's Office will perform a controlled burn of the material.

First responders are outside the evacuation zone, but remain in the area, for quick response to ensure the safety of the community around the facility.

We continue to monitor smoke and air quality, the potential for additional fires in the area, and have aerial assets ready to be deployed, as needed. Everyone in the area should follow the safety instruction of local authorities, specifically staying out of the evacuation zone, avoiding smoke and flood waters.

Additional Background:

As with all smoke, people can limit the potential for adverse health effects by limiting their exposure. This includes staying indoors with doors and windows closed and running the air conditioning (if possible) with the fresh intake closed. If it is absolutely necessary to be outdoors, try to move out of the plume of smoke and minimize heavy work, exercise, or children's playtime.

BEAUMONT/PORT ARTHUR

EPA has secured an operational staging area in the parking lot of the Central Mall, adjacent to the U.S. Coast Guard (USCG) Marine Safety Unit (MSU) in Port Arthur. Two EPA OSCs are mobilizing from Houston tomorrow along with GIS/Data Support. Currently, most of the area is still inaccessible due to flooding. EPA will continue to coordinate with local, state and federal response partners to plan for further assessment and potential response actions once the flood waters recede. The priority for the next operational period is to set up command posts with work space and continue developing an operational structure to begin field operations.

DEBRIS RECOVERY

No new information.

AIR MONITORING

EPA's mobile air monitoring Trace Atmospheric Gas Analyzer (TAGA) bus along with EPA personnel will be arriving in Houston today.

The Louisiana Department of Environmental Quality has offered EPA the used of its Mobile Air Monitoring Lab to collect air data in the Beaumont/Port Arthur area.

An EPA Team began mobile air monitoring in the Manchester community (Houston Branch). At least six locations were monitored, all monitoring results were at background conditions.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/3/2017	Cumulative	9/3/2017	Cumulative
Corpus Christi Branch	6	43	11	50
Houston Branch	26	94	7	10
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	
	9/3/2017	Cumulative	9/3/2017	Cumulative
Corpus Christi Branch	9	339	2	28
Houston Branch	0	30	2	3
NRC Reports	2	21	0	7

WATER SYSTEMS ASSESSMENT

No new information overnight.

SUPERFUND INSPECTIONS PLANNED

The updated Status/Schedule for NPL Inspections is below:

- Phase 1 – 41 sites completed 9/1/17
- Phase 2 – 11 sites require inspection
 - Planned
 - San Jacinto – 9/4/17 Miller
 - Highlands Acid Pit – 9/4/17 Miller
 - French Ltd. – 9/5/17 Sullivan
 - Gulfco Marine – 9/5/17 Abshire
 - Malone Services – 9/5/17 Miller
 - Patrick Bayou – 9/5/17 Abshire
 - Petro-Chemical Systems – 9/5/17 Abshire
 - Triangle Chemical – 9/5/17 Sullivan
 - US Oil Recovery – 9/4/17 Miller
 - Bailey Waste – 9/5/17 Sullivan
 - Geneva – **complete 9/3/17**

FIELD RESPONSE ACTIVITIES

As areas are evaluated, the focus changes from assessment to recovery. Several additional Oil Recovery and Container Recovery teams were added to both the Corpus Christi Branch and Houston Branch.

The table below displays the teams deployed in the Corpus Christi and Houston Branches during this operational period:

Quantity and Types of Teams Deployed 9/3/2017		
Team Type	Corpus Christi Branch	Houston Branch
Water Assessment Teams	1	8
Hazard Evaluation	2	8
Oil Discharge Assessment	3	5
Container Recovery	0	2
Oil Recovery Group	2	0
ER/Recovery Group	1	0
Arkema Group	0	1
Air Operations Group	0	2

CORPUS CHRISTI BRANCH:

- Pre-sampling of staging area pads completed.
- ER/Recovery Group: Six hazardous material drums were discovered near a recreational area in Victoria, TX and removed.
- Oil Discharge Assessment Group: In Mesquite Bay, a team discovered an oil sheen. The suspected source is a nearby oil production platform. No ongoing discharge was observed.
- A total of 73 orphan containers have been collected to date.

	CONTAINERS			TOTAL
	Drums [55 gals]	Large Containers [<55 gals]	Large Containers [>55 gals]	
9/3/2017	7	0	0	7
Total to date	39	32	2	73

HOUSTON BRANCH:

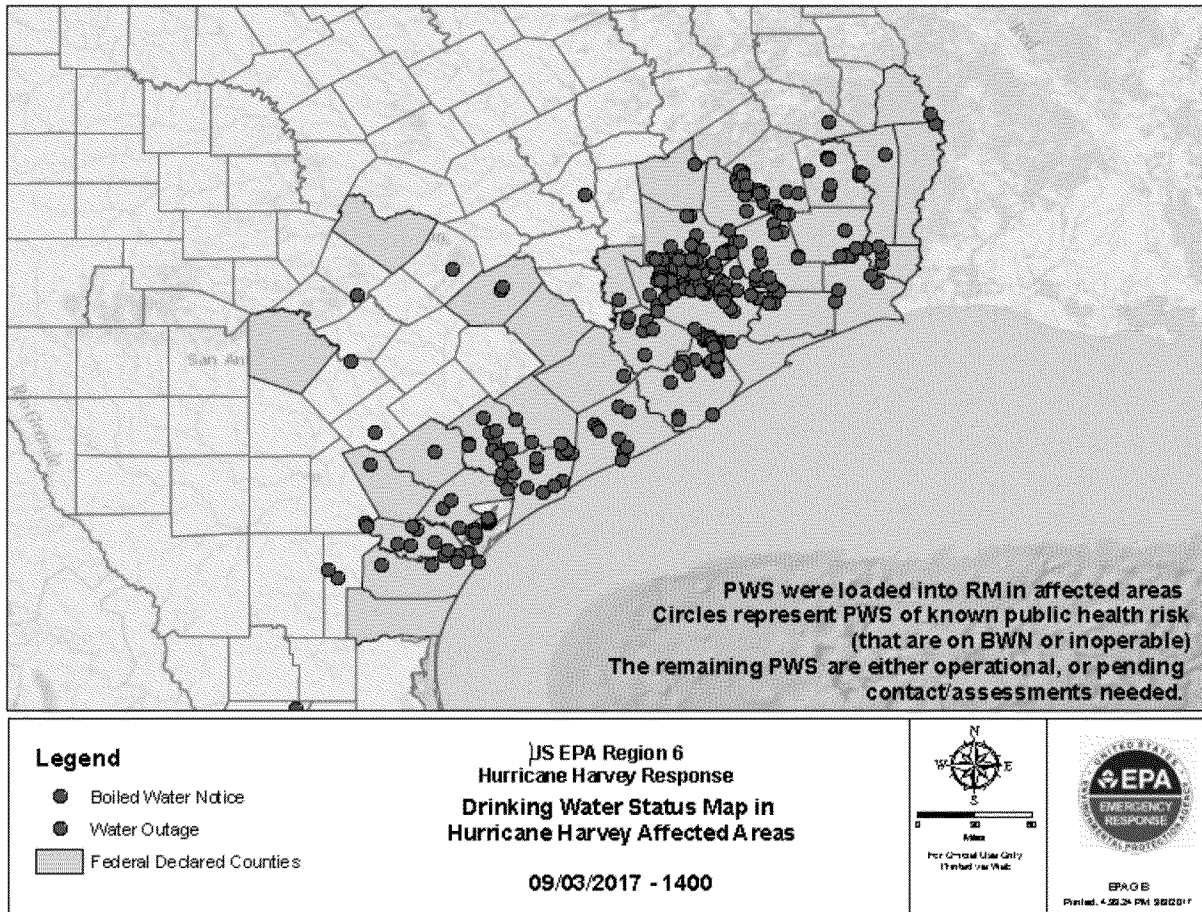
- Site assessments were completed at 24 public water systems and 14 wastewater treatment facilities.
- Response activities focused on reconnaissance and assessment – no orphan container recovery was conducted.

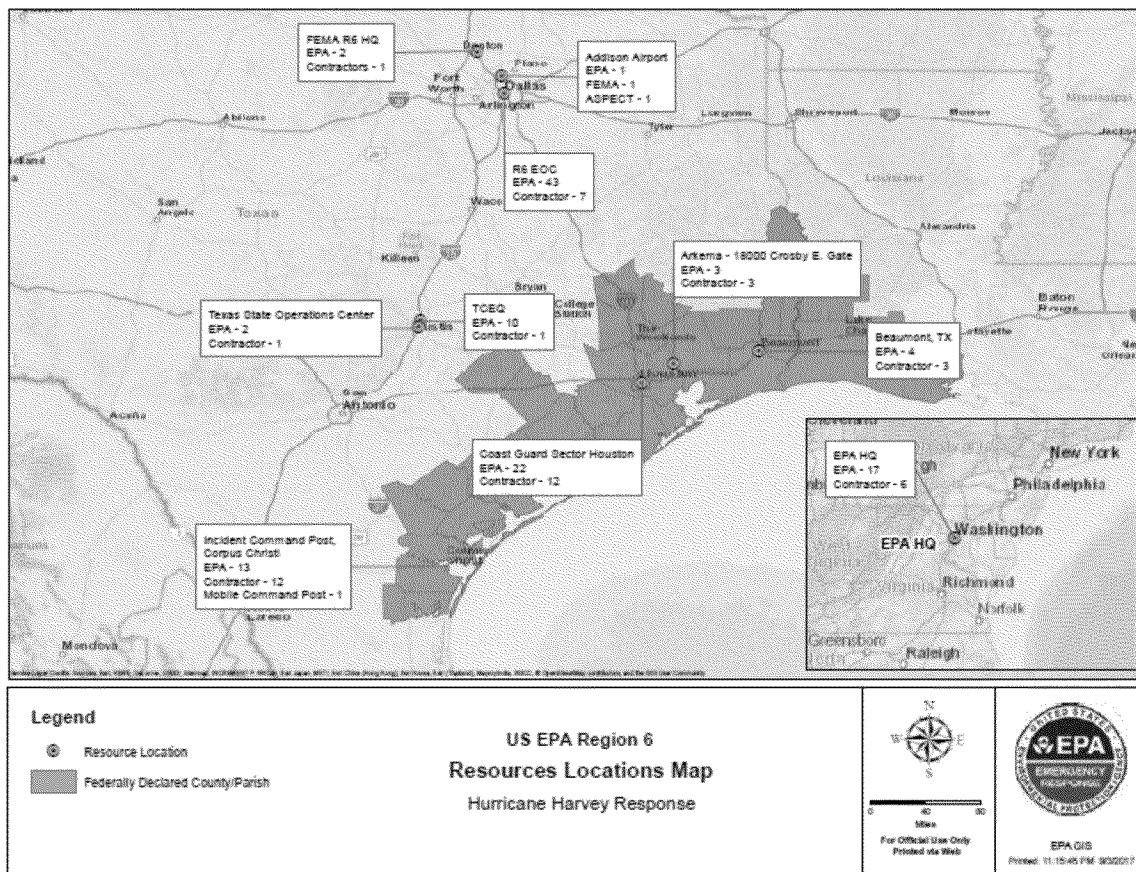
SPILL/RELEASE RESPONSE

Hotline Calls as of September 4, 2017	
Number of Harvey Related Calls Received During Reporting Period 1300-0100	3
Total Number of Harvey Related Calls to Date	139
* EPA is assessing each call to determine appropriate response and forwarding reports to field personnel to conduct further assessments and response as needed.	

DRINKING WATER / WASTEWATER ASSESSMENTS

EPA continues to support TCEQ in contacting drinking water and waste water systems with 10 personnel manning TCEQ’s Drinking Water and Waste Water Phone Bank located in Austin.





FUNDING SEPTEMBER 3, 2017

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		25.15
MA 4332DR-TX-EPA-01	\$20,000.00	\$17,654.00	\$0.00	\$17,654.00		
MA 4332DR-TX-EPA-03	\$8,592,000.00	\$7,584,077.00	\$2,628,702.00	\$4,955,375.00	\$197,752.84	
Totals:	\$8,612,000.00	\$7,601,731.00	\$2,692,902.00	\$4,973,029.00		

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

*Burn rate does not include daily ERRS amounts, not yet received. The burn does include START & ASPECT.

REFINERIES/FUEL WAIVERS

No New Information.

The Department of Energy authorized the Strategic Petroleum Reserve (SPR) to negotiate and execute an emergency exchange agreement with the Phillips 66 Lake Charles Refinery. This decision will authorize 200,000 barrels of sweet crude oil and 300,000 barrels of sour crude oil to be drawn down from SPR's West Hackberry, Louisiana (LA) site and delivered via pipeline to the Phillips 66 refinery.

Four No Action Assurance (NAA) letters were signed by EPA on September 1, 2017, to help address fuel shortages. NAAs will help expedite the distribution of existing gasoline supplies in

both Texas and Louisiana while the refineries work to re-start and resume normal operations. For each NAA, EPA will exercise discretion not to pursue enforcement for violations of the regulations identified in the NAAs. Each NAA is effective for two weeks, or until September 15. It is anticipated that these NAAs will allow for the immediate distribution in Texas of 10 million or more gallons of gasoline to consumers.

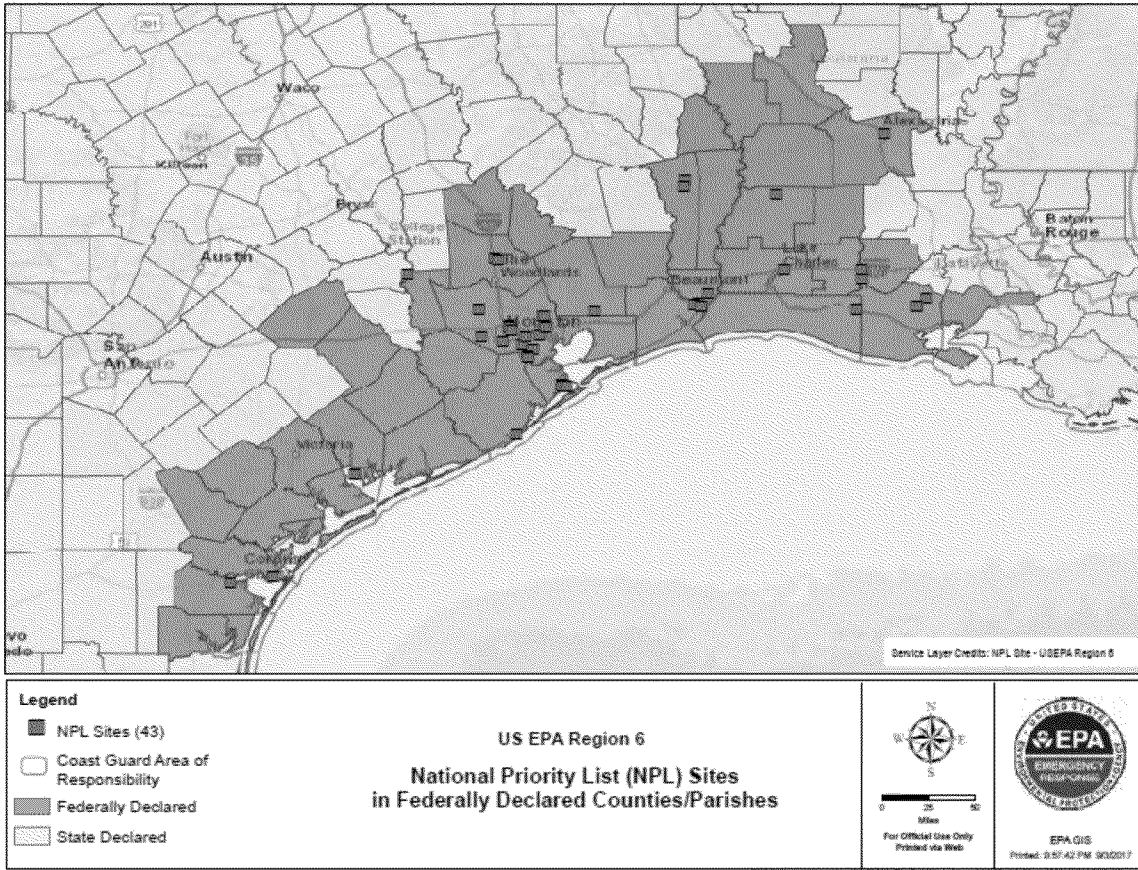
Texas NAA for Vapor Recovery Systems: Several federal regulations and the Texas State Implementation Plan (SIP) require that bulk gasoline, marine, and rail loading terminals operate a vapor control system to collect the fuel vapors displaced from tank trucks during product loading. This NAA allows the loading and unloading of fuel at terminals that have damaged or inoperable vapor recovery devices or that are otherwise not equipped with such devices.

Texas NAA for Truck Loading at Petroleum Distribution Terminals: Several federal regulations and the Texas SIP require that gasoline tank trucks obtain testing and certification that the tank trucks are vapor tight. This NAA allows tank trucks to load and unload fuel at terminals even though the trucks may not be registered with the terminals as having completed all the testing for tank tightness or have the documentation on hand to prove it.

Texas NAA for Roof Landings at Gasoline Storage Vessels: This relates to several federal regulations and the Texas SIP covering storage vessels with external floating roofs. Specifically, when the operator removes product from the vessel such that the roof lands on the vessel's legs, such action must be a continuous motion, i.e. the process of re-filling the vessel must begin immediately after roof landing. This NAA will allow roof landings without requiring immediate re-filling of the vessel.

Louisiana NAA for Truck Loading at Petroleum Distribution Terminals: Several federal regulations and the Louisiana SIP require that gasoline tank trucks obtain testing and certification that the tank trucks are vapor tight. This NAA allows tank trucks to load and unload fuel at terminals even though the trucks may not be registered with the terminals as having completed all the testing for tank tightness or have the documentation on hand to prove it.

SUPERFUND NPL SITES



SUPERFUND NPL SITES (Continued)

Superfund Sites within Federally Declared Counties					9/4/2017
Hurricane Harvey Rapid Response Assessment	Phase 1	Phase 2		Phase 3	All Phases Completed
Site Name	Rapid Response Assessment	Site Inspection Needed	Inspected	Additional Response Action	
TEXAS					
ALCOA (Point Comfort) / LAVACA BAY	8/29/2017	No			8/29/2017
BAILEY WASTE DISPOSAL	9/1/2017	Yes			
BRINE SERVICE CO.	8/30/2017	Yes	8/30/2017	No	8/30/2017
BRIO REFINING INC.	9/1/2017	No			9/1/2017
CONROE CREOSOTING COMPANY	9/1/2017	No			9/1/2017
CRYSTAL CHEMICAL CO.	8/30/2017	No			8/30/2017
DIXIE OIL PROCESSORS INC.	9/1/2017	No			9/1/2017
FALCON REFINERY	8/30/2017	Yes	8/30/2017	No	8/30/2017
FRENCH, LTD.	9/1/2017	Yes			
GENEVA INDUSTRIES / FUHRMANN ENERGY	9/1/2017	Yes	9/3/2017	No	9/3/2017
GULFCO MARINE MAINTENANCE	9/1/2017	Yes			
HARRIS (FARLEY STREET)	9/1/2017	No			9/1/2017
HART CREOSOTING	9/1/2017	No			9/1/2017
HIGHLANDS ACID PIT	9/1/2017	Yes			
JASPER CREOSOTING	9/1/2017	No			9/1/2017
JONES ROAD GROUNDWATER PLUME	8/29/2017	No			8/29/2017
MALONE SERVICES COMPANY	9/1/2017	Yes			
MANY DIVERSIFIED INTERESTS, INC	9/1/2017	No			9/1/2017
MOTCO, INC.	8/31/2017	No			8/31/2017
NORTH CAVALCADE STREET	8/29/2017	No			8/29/2017
PALMER BARGE LINE	9/1/2017	No			9/1/2017
PATRICK BAYOU	9/1/2017	Yes			
PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou)	9/1/2017	Yes			
SAN JACINTO RIVER WASTE PITS	9/1/2017	Yes			
SHERIDAN DISPOSAL	9/3/2017	No			9/3/2017
SIKES DISPOSAL PITS	8/29/2017	No			8/29/2017
SOL LYNN / INDUSTRIAL TRANSFORMERS	8/29/2017	No			8/29/2017
SOUTH CAVALCADE STREET	8/29/2017	No			8/29/2017
STAR LAKE CANAL	8/30/2017	No			8/30/2017
STATE MARINE OF PORT ARTHUR	9/1/2017	No			9/1/2017
TEX-TIN CORP.	9/1/2017	No			9/1/2017
TRIANGLE CHEMICAL COMPANY	9/1/2017	Yes			
UNITED CREOSOTING CO.	9/1/2017	No			9/1/2017
US OIL RECOVERY	9/1/2017	Yes			
LOUISIANA					
AMERICAN CREOSOTE DERIDDER	9/1/2017	No			9/1/2017
D.L. MUD, INC.	8/29/2017	No			8/29/2017
EVR-WOOD TREATING/EVANGELINE REFINING COMPANY	9/1/2017	No			9/1/2017
GULF COAST VACUUM SERVICES	8/29/2017	No			8/29/2017
GULF STATE UTILITIES (North Ryan Street)	8/31/2017	No			8/31/2017
MALLARD BAY LANDING BULK PLANT	8/29/2017	No			8/29/2017
PAB OIL & CHEMICAL SERVICE	8/29/2017	No			8/29/2017
SBA SHIPYARD	9/1/2017	No			9/1/2017
RUSTON FOUNDRY	9/3/2017	No			9/3/2017
STATUS SUMMARY					
Rapid Response Assessment Completed	43				
Sites with no further action	33				
Sites in Phase 2	10				



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STATUS OF SUPERFUND SITES IN AREAS AFFECTED BY HARVEY

WASHINGTON (September 2, 2017) — Despite misleading and inaccurate reporting, the facts are that EPA and TCEQ are working together, along with other local, state, and federal authorities and emergency responders around the clock to address the human health and environmental impacts of Hurricane Harvey and its effects, especially historic and devastating flooding throughout Southeast Texas. With regard to the status of Superfund sites.

EPA has conducted initial assessments at 41 Superfund sites in the impacted areas using aerial images, as well as direct contact with the parties responsible for on-going cleanup activities. EPA has determined that 28 Superfund sites in the area do not currently show damage or excessive flooding associated with Harvey. EPA determined that 13 sites have been flooded and/or are experiencing possible damage due to the storm. Of these sites, two (Falcon Refinery and the Brine Service) have been inspected and it has been determined that they do not require emergency cleanup; although, additional sampling in the area will continue to be conducted.

Eleven sites, including: Bailey Waste Disposal, French LTD, Geneva Industries/Fuhrmann Energy, Gulfco Marine, Highland Acid Pit, Malone Services, U.S. Oil Recovery, Patrick Bayou, Petro-Chemical Systems, Triangle Chemical, and San Jacinto Waste Pits have not been accessible by response personnel. Teams are in place to investigate possible damage to these sites as soon flood waters recede, and personnel are able to safely access the sites.

The San Jacinto Waste Pits site has a temporary armored cap designed to prevent migration of hazardous material; the cap will be inspected as soon as it is safe for teams access the site. Based on forecasted river conditions, this inspection is planned for Monday, by boat. EPA has dive teams to survey the cap underwater when conditions allow.

EPA, TCEQ and other authorities will continue to provide additional updates as we gather them. We encourage the community to continue to follow the expert safety advice of local officials.

ARKEMA FIRE

Yesterday, September 2, 2017, ASPECT observed white smoke emitting from the one of the

remaining 6 trailers of peroxide but the anticipated ignition of the material has not occurred as of 6:00 am today, September 3, 2017. Also, the air crew from the sheriff's department noticed a yellow liquid, believed to be organic peroxides, near several of the trailers. EPA's aerial reconnaissance aircraft continues to fly over the Arkema facility about every 10 to 15 minutes. Instruments detected trace emissions of peroxide. Ground level air monitoring outside the 1.5-mile exclusion zone indicated non-detect for the contaminants of concern. At approximately 7:30pm, the Responsible Party, in consultation with Unified Command, decided to manually ignite the remaining peroxide trailers. However, just prior to initiation of the manual ignition operation, the plan was cancelled. The remaining trailers began emitting smoke again, making the operation unsafe. The 1.5-mile evacuation radius remains in effect. Flood waters within the facility have receded almost completely.

BEAUMONT/PORT ARTHUR

EPA is looking for staging areas throughout Beaumont/Port Arthur to establish operations once flood waters recede.

FIELD RESPONSE ACTIVITIES

CORPUS CHRISTI

Throughout the weekend, EPA staff assessed public water supplies, wastewater treatment facilities, Risk Management Plan (RMP) and Facility Response Plan (FRP) facilities for damage and immediate ongoing releases.

EPA personnel deployments to Austin, Beaumont-Port Arthur, Houston and Corpus Christi will continue throughout the weekend. Personnel will be supporting the Unified Command teams that are identifying and evaluating impacts of the hurricane and floods, as well as coordinating with TCEQ to assist with priority drinking and waste water assessments. EPA is working with TCEQ to issue a statement on the hazards of floodwaters. Assisting drinking water and waste water facilities in maintaining and/or resuming their operational status remains a high priority.

On September 2, 2017, an EPA Liaison Officer met with the Nueces County Emergency Management Coordinator and Deputy Coordinator at the Nueces County Emergency Operations Center. The Coordinator informed the EPA that there were no environmental concerns they would need assistance with, but appreciated EPA reaching out to them. Nueces County's contractor will be starting vegetation debris pickup next week and project to be completed in about 4-6 days. The Coordinator did ask if EPA could echo any of their social media and media information about the debris pickup to assist in a widespread dissemination of their information.

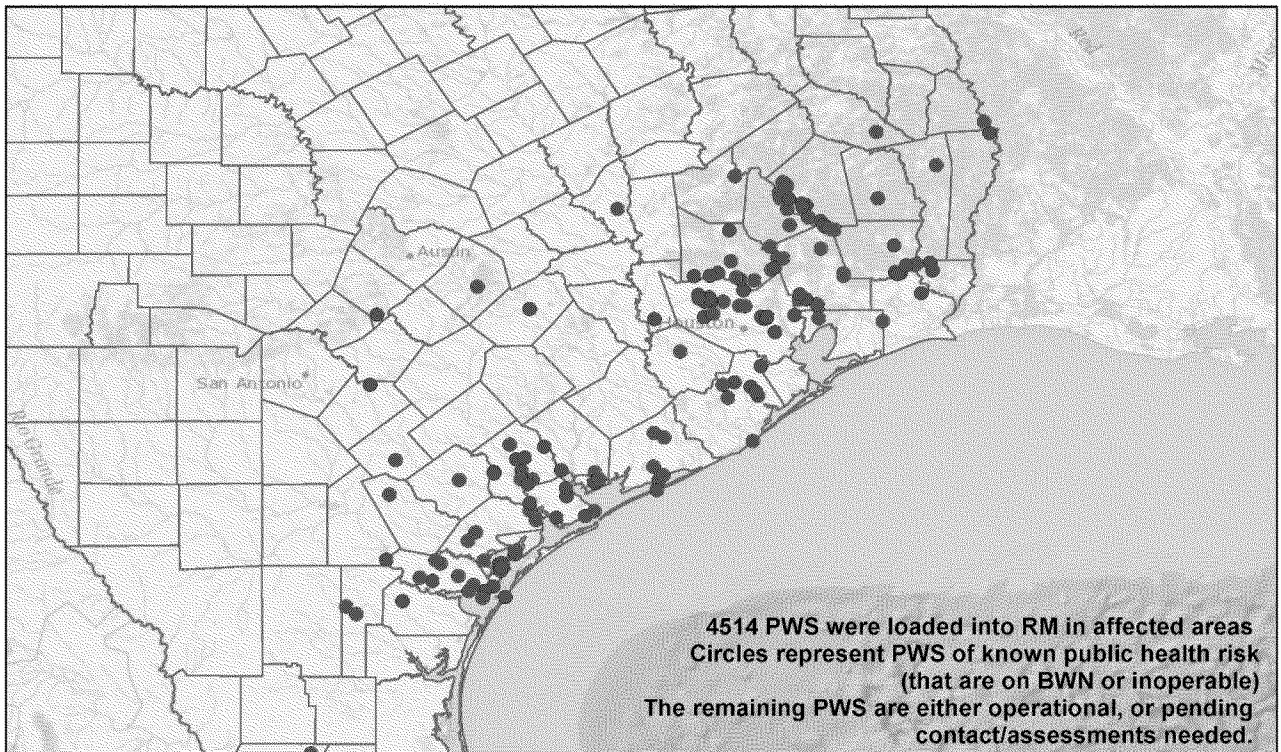
On September 2, 2017, the Corpus Christi Oil Discharge Assessment Team 1 observed an ongoing release of natural gas at the South Mustang Separation Facility. The team notified the responsible party and confirmed they were responding appropriately.

SPILL/RELEASE RESPONSE

Hotline Calls as of September 3, 2017	
Number of Harvey Related Calls Received During Reporting Period 1300-0100	9
Total Number of Harvey Related Calls to Date	129
* EPA is assessing each call to determine appropriate response and forwarding reports to field personnel to conduct further assessments and response as needed.	

DRINKING WATER / WASTEWATER ASSESSMENTS

EPA continues to support TCEQ in contacting drinking water and waste water systems with 10 personnel manning TCEQ's Drinking Water and Waste Water Phone Bank located in Austin. Approximately half (2,300) of the 4,500 drinking water systems potentially affected by Harvey have been contacted. Of the 2,300 systems, 137 have boil-water notices and 113 are shut down.

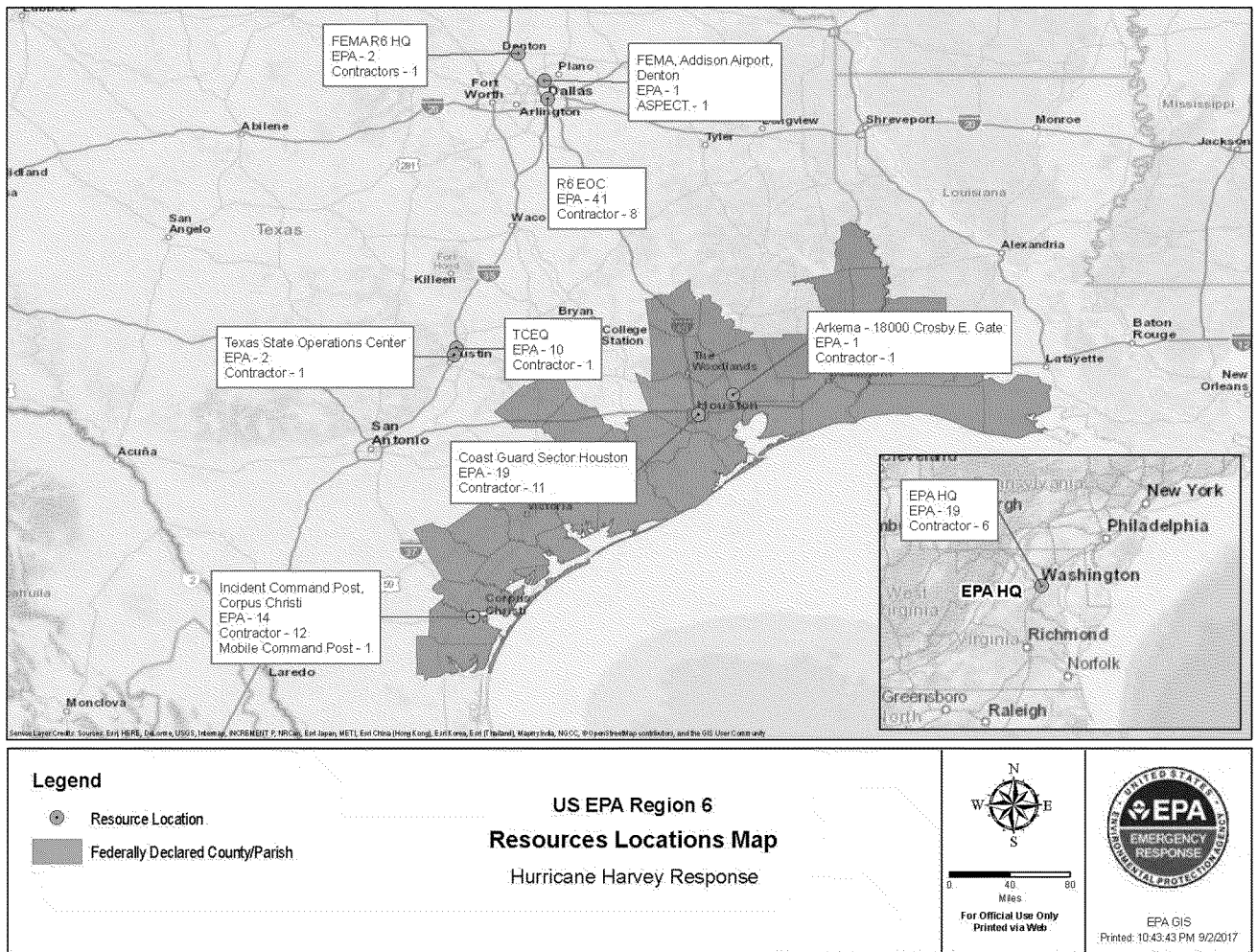


Legend		Population Served		US EPA Region 6 Hurricane Harvey Response Drinking Water Status Map in Hurricane Harvey Affected Areas		 For Official Use Only Printed via Web	 EPA GIS Printed: 4:28:48 PM 9/2/2017
●	Boiled Water Notice (137)	250,253	●	Water Outage (113)	368,035		
09/02/2017 - 1400							

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EPA RESOURCES

Personnel	EPA Dallas, TX	FEMA Denton, TX	Texas SOC Austin, TX	TCEQ Austin, TX	Houston, TX	Corpus Christi, TX	HQ EOC Wash DC	Totals
EPA	41	1	2	10	19	14	19	106
START	7		1	1	11	6		26
ERRS						6		6
Other Contractors	1						6	7
TOTAL	49	1	3	11	30	26	25	145



**FUNDING
SEPTEMBER 2, 2017**

Funding Sources	Funding Ceiling	Funding Ceiling Less Indirect	Spent to Date	Remaining Balance	Daily Burn Rate
Non Mission Assignment	N/A		\$64,200.00	\$0.00	
MA 4332DR-TX-EPA-01	\$20,000.00	\$17,654.00	\$0.00	\$17,654.00	
MA 4332DR-TX-EPA-03	\$8,592,000.00	\$7,584,077.00	\$2,473,544.00	\$5,110,533.00	\$151,953.84
Totals:	\$8,612,000.00	\$7,601,731.00	\$2,537,744.00	\$5,128,187.00	

*Burn rate does not include daily ERRS amounts, not yet received. The burn does include START & ASPECT.

REFINERIES/FUEL WAIVERS

The National Protection and Programs Directorate Office of Cyber and Infrastructure Analysis (OCIA) reports refineries in Corpus Christi, Texas (TX) are starting the process to re-open. These refineries do not provide gasoline to the Colonial Pipeline system which supplies much of the oil to the northeast United States. Gasoline prices across the nation continue to increase.

The Department of Energy authorized the Strategic Petroleum Reserve (SPR) to negotiate and execute an emergency exchange agreement with the Phillips 66 Lake Charles Refinery. This decision will authorize 200,000 barrels of sweet crude oil and 300,000 barrels of sour crude oil to be drawn down from SPR's West Hackberry, Louisiana (LA) site and delivered via pipeline to the Phillips 66 refinery.

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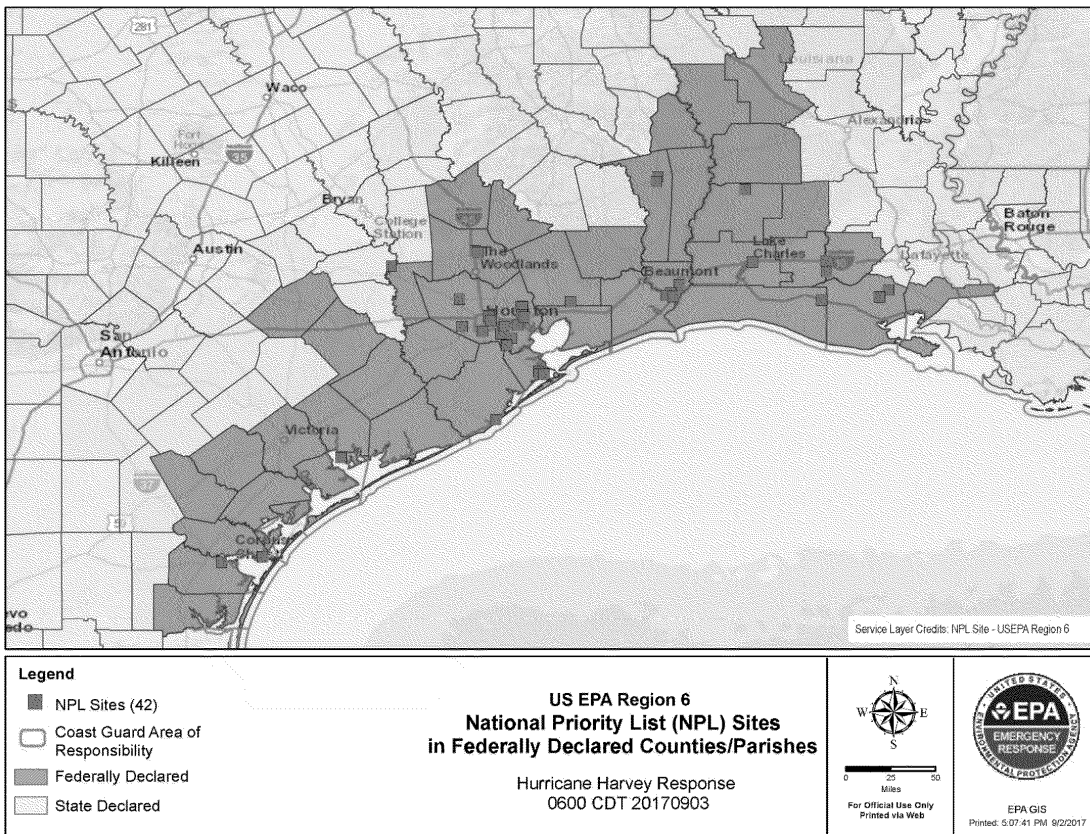
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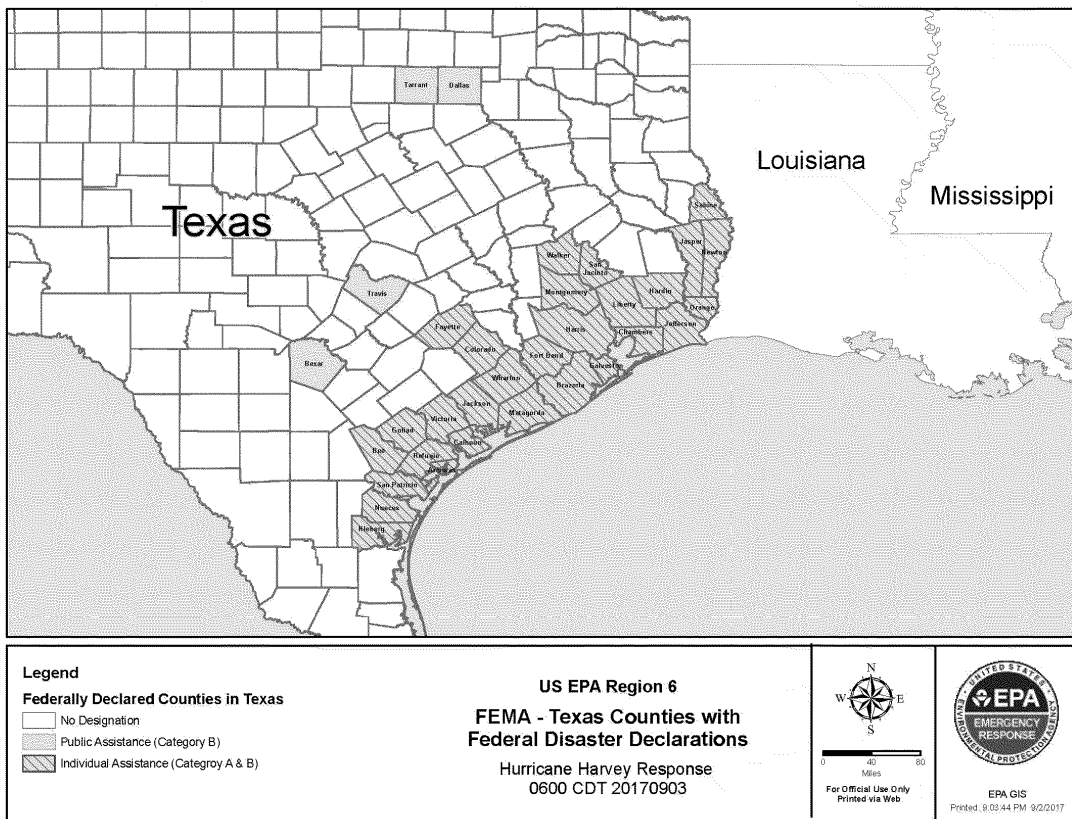
SUPERFUND NPL SITES



SUPERFUND NPL SITES (Continued)

Superfund Sites within Federally Declared Counties					
Hurricane Harvey Rapid Response Assessment	Phase 1	Phase 2		Phase 3	All Phases Completed
	Rapid Response Assessment	Site Inspection Needed	Inspected	Additional Response Action	
TEXAS					
SITE NAME					
ALCOA (Point Comfort) / LAVACA BAY	8/29/17	No			8/29/2017
BAILEY WASTE DISPOSAL	9/1/17	Yes			
BRINE SERVICE CO.	8/30/17	Yes	8/30/17	No	8/30/2017
BRIO REFINING INC.	9/1/17	No			9/1/17
CONROE CREOSOTING COMPANY	9/1/17	No			9/1/17
CRYSTAL CHEMICAL CO.	8/30/17	No			8/30/17
DIXIE OIL PROCESSORS INC.	9/1/17	No			9/1/17
FALCON REFINERY	8/31/17	Yes	8/30/17	No	8/30/2017
FRENCH, LTD.	9/1/17	Yes			
GENEVA INDUSTRIES / FUHRMANN ENERGY	9/1/17	Yes			
GULFCO MARINE MAINTENANCE	9/1/17	Yes			
HARRIS (FARLEY STREET)	9/1/17	No			9/1/17
HART CREOSOTING	9/1/17	No			9/1/17
HIGHLANDS ACID PIT	9/1/17	Yes			
JASPER CREOSOTING	9/1/17	No			9/1/17
JONES ROAD GROUNDWATER PLUME	8/29/17	No			08/29/17
MALONE SERVICES COMPANY	9/1/17	Yes			
MANY DIVERSIFIED INTERESTS, INC	9/1/17	No			9/1/17
MOTCO, INC.	8/31/17	No			8/31/2017
NORTH CAVALCADE STREET	8/29/17	No			08/29/17
PALMER BARGE LINE	9/1/17	No			9/1/17
PATRICK BAYOU	9/1/17	Yes			
PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou)	9/1/17	Yes			
SAN JACINTO RIVER WASTE PITS	9/1/17	Yes			
SIKES DISPOSAL PITS	8/29/17	No			08/29/17
SOL LYNN / INDUSTRIAL TRANSFORMERS	8/29/17	No			08/29/17
SOUTH CAVALCADE STREET	8/29/17	No			08/29/17
STAR LAKE CANAL	8/30/17	No			8/30/2017
STATE MARINE OF PORT ARTHUR	9/1/17	No			9/1/17
TEX-TIN CORP.	9/1/17	No			9/1/17
TRIANGLE CHEMICAL COMPANY	9/1/17	Yes			
UNITED CREOSOTING CO.	9/1/17	No			9/1/17
US OIL RECOVERY	9/1/17	Yes			
LOUISIANA					
AMERICAN CREOSOTE DERIDDER	09/01/17	No			9/1/17
D.L. MUD, INC.	08/29/17	No			08/29/17
EVR-WOOD TREATING/EVANGELINE REFINING COMPANY	09/01/17	No			9/1/2017
GULF COAST VACUUM SERVICES	08/29/17	No			08/29/17
GULF STATE UTILITIES (North Ryan Street)	08/31/17	No			8/31/2017
MALLARD BAY LANDING BULK PLANT	08/29/17	No			08/29/17
PAB OIL & CHEMICAL SERVICE	08/29/17	No			08/29/17
SBA SHIPYARD	09/01/17	No			9/1/17
Status Summary					
Rapid Response Assessment Completed	41				
Sites with no further action	28				
Sites in Phase 2	13				

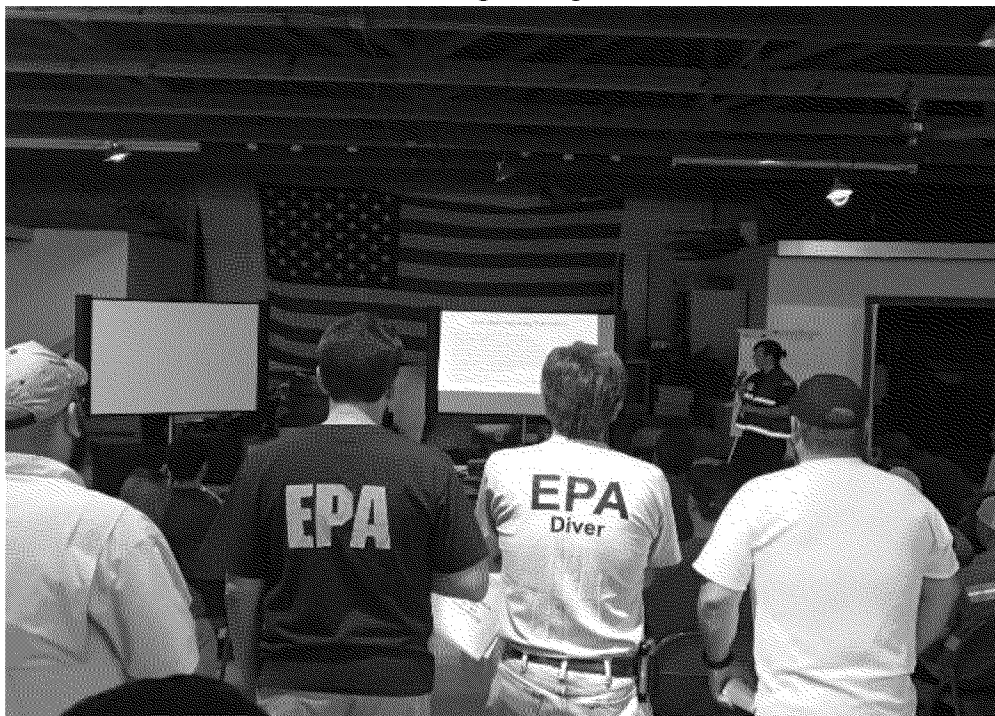
FEMA – TEXAS COUNTIES WITH DISASTER DECLARATIONS



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PHOTOS

Command and General Staff Meeting on September 2, 2017.



USCG and EPA Members discussing operations.



PHOTOS

OSC in Alpha Branch performing a field assessment.



PHOTOS

TCEQ/EPA/TGLO Recon flight over Rockport/Fulton on Sep 1st, 2017.

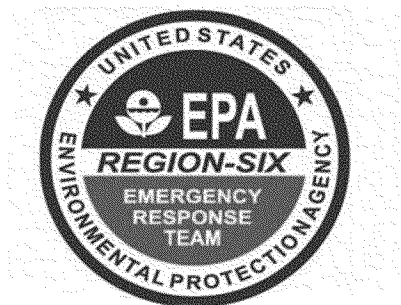


PHOTOS

12

TCEQ/EPA/TGLO Recon flight over Rockport/Fulton on Sep 1st, 2017.





Tropical Storm Harvey 2017 9/2/2017 – 0800 CDT Update

TEXAS

ARKEMA FIRE

As of 8:00 am on September 2, 2017, three trailers reacted and caught fire at the Arkema facility. One fire occurred on August 31, 2017 and the second occurred on September 1, 2017. During the fire on September 1, 2017, EPA's ground air monitoring results outside of the exclusion zone were approximately 0.3 parts per million (ppm), below levels of health concern. The fire subsided by 6:30 pm and by 7:30 pm.

Additional Updates:

- Unified Command has determined that access to the facility is still unsafe and a 1.5-mile evacuation radius will remain in effect until further notice.
- Aerial reconnaissance photos indicate that flood waters within the facility have receded significantly.
- At the request of the local jurisdiction and Harris County Pollution Control, EPA collected surface water runoff samples downstream of the facility at 4 locations near a residential area. The samples are being analyzed by EPA's mobile laboratory.
- EPA will continue to maintain a 24-hr presence with air monitoring capabilities at the incident command operations center.
- Unified Command at the Arkema site continue to coordinate with the EPA Region 6 Environmental Unit to determine locations on the site where flood water samples should be collected.

BEAUMONT

The City of Beaumont's water system anticipates being at half capacity, ten million gallons per day, by noon September 2, 2017. The elevated storage tanks and groundwater tanks are mostly full and are currently valved-off until the system is brought back online. The City of Beaumont will be on a boil water notice when it goes on-line. EPA is maintaining contact with TCEQ and will provide assistance as requested.

The City has their Emergency Operations Center (EOC) fully functional and is coordinating efforts to make repairs and acquire chemicals and materials for both short-term and long-term.

FIELD RESPONSE ACTIVITIES

LOUISIANA

As of 6:00 pm ON September 2, 2017, the Louisiana State Emergency Operations Center (EOC) will no longer be fully activated. Only those agencies dealing with sheltering will be required to remain at the EOC. All other agencies are to remain on standby.

CORPUS CHRISTI

On September 1, 2017, EPA deployed two container recovery teams to collect orphaned containers where hazard evaluations have been completed. Six oil discharge assessment teams consisting of US Coast Guard and Texas General Land Office are conducting reconnaissance in the area. Four TCEQ water infrastructure teams are conducting drinking water and waste water assessments. Two teams are conducting air reconnaissance via helicopters.

Table 2. Drinking Water and Waste Water Assessments Performed on 9/1/2017

Status of Facility with On-Site Visit	# of Facilities
Loss of Power Not on Generator	2
On Generator Power	3
Inoperable	4
Operating	1
Out of Contact (No Response)	2

HOUSTON

Teams from the Houston Branch performed reconnaissance including 28 hazard evaluations and oil discharge assessments. This information will be prioritized for additional follow-up. On Saturday, September 2, 2017, EPA will send four additional Drinking Water/Wastewater Assessment Teams to Corpus Christi, and four Drinking Water/Wastewater Assessment Teams to Houston.

On September 1, 2017, the Department of Transportation (DOT), Pipeline and Hazardous Materials Safety Administration (PHMSA) issued a waiver of hazardous materials regulations. The waiver applies to persons conducting operations under the direction of EPA Region 6 within the Hurricane and Tropical Storm disaster and emergency areas of Texas and Louisiana. The waiver is granted to support EPA in taking appropriate actions to prepare for, respond to, and recover from Hurricane and Tropical Storm Harvey.

SPILL/RELEASE RESPONSE

Hotline Calls as of September 1, 2017	
Number of Harvey Related Calls Received During Reporting Period 1300 to 0100 hr.	13
Total Number of Harvey Related Calls to Date	115
* EPA is assessing each call to determine appropriate response and forwarding reports to field personnel to conduct further assessments and response as needed.	

DRINKING WATER / WASTEWATER ASSESSMENTS

EPA continues to support TCEQ in contacting drinking water and waste water systems. EPA deployed 10 personnel to assist TCEQ’s Drinking Water and Waste Water Phone Bank located in Austin.

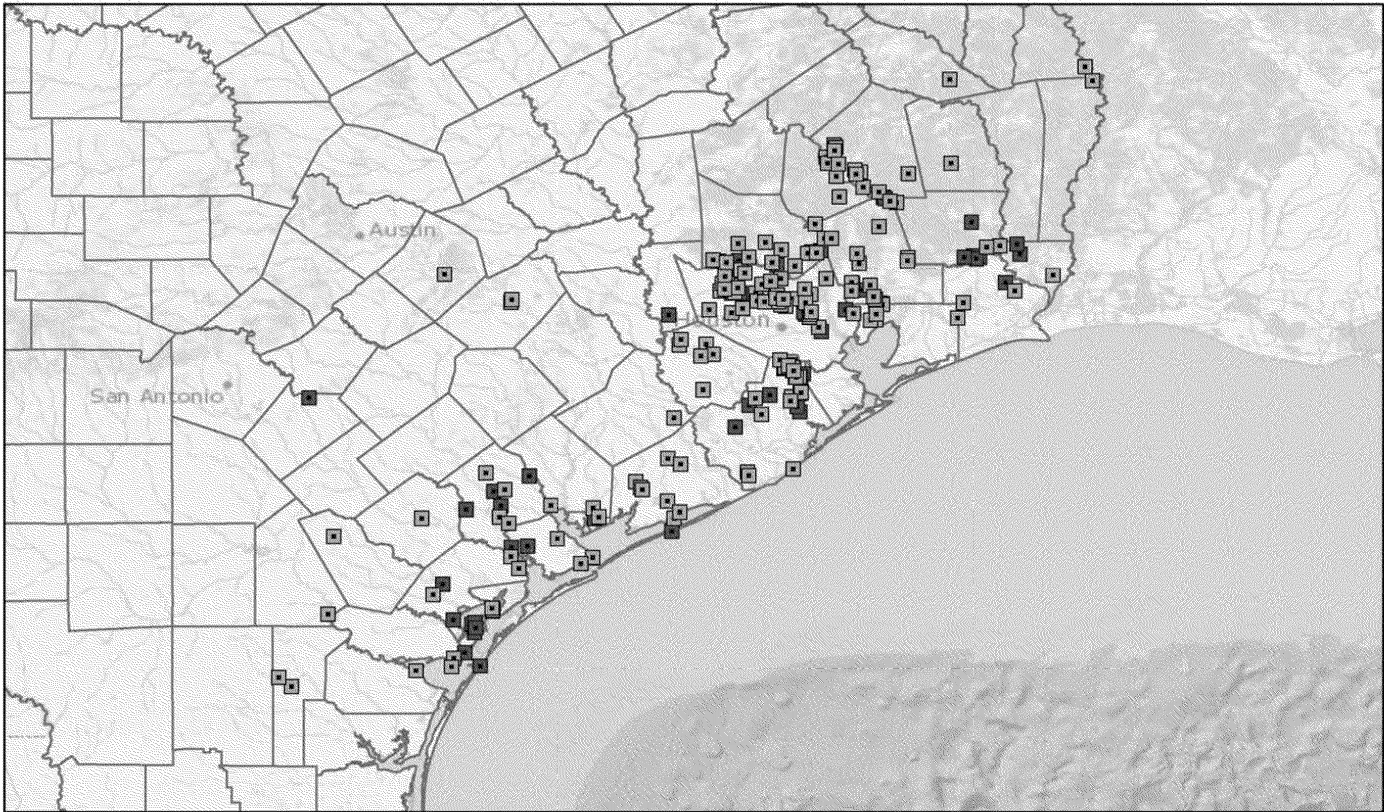
DW - Total # of Systems: 4512

STATUS	NUMBER OF SYSTEMS
Contact Pending	159
Bacteria Sample Results Pending	16
Out of Contact	16
On Generator – Lost Pressure	14
No problems	1435
On Generator – Never Lost Pressure	16
No Status	2680
Lost pressure & or Treatment	61
Lifted boil water notice due to negative bacteria samples. Normal Ops resumed	63
System Destroyed	2
Not Operating	50



WW - Total # of Systems: 2469

STATUS	NUMBER OF SYSTEMS
No Problems	1626
System Destroyed	2
Unknown	678
Waste Water Treat. Plant and/or Collection on Generator or bypass pumps for Lift Station	30

Waste Water Treat. Plant and/or Collection non operational no Sanitary Sewer Overflow	35
WWTP and/or Collection Partially Operational Sanitary Sewer Overflow	32
Site Visit Needed	1
Out of Contact - phone evaluation only	14
Contact Pending - Phone evaluation only	51



Legend

-  Boiled Water Notices (173)
-  Water Outage (49)

US EPA Region 6
Drinking Water Status Map
 09/02/2017 - 0100

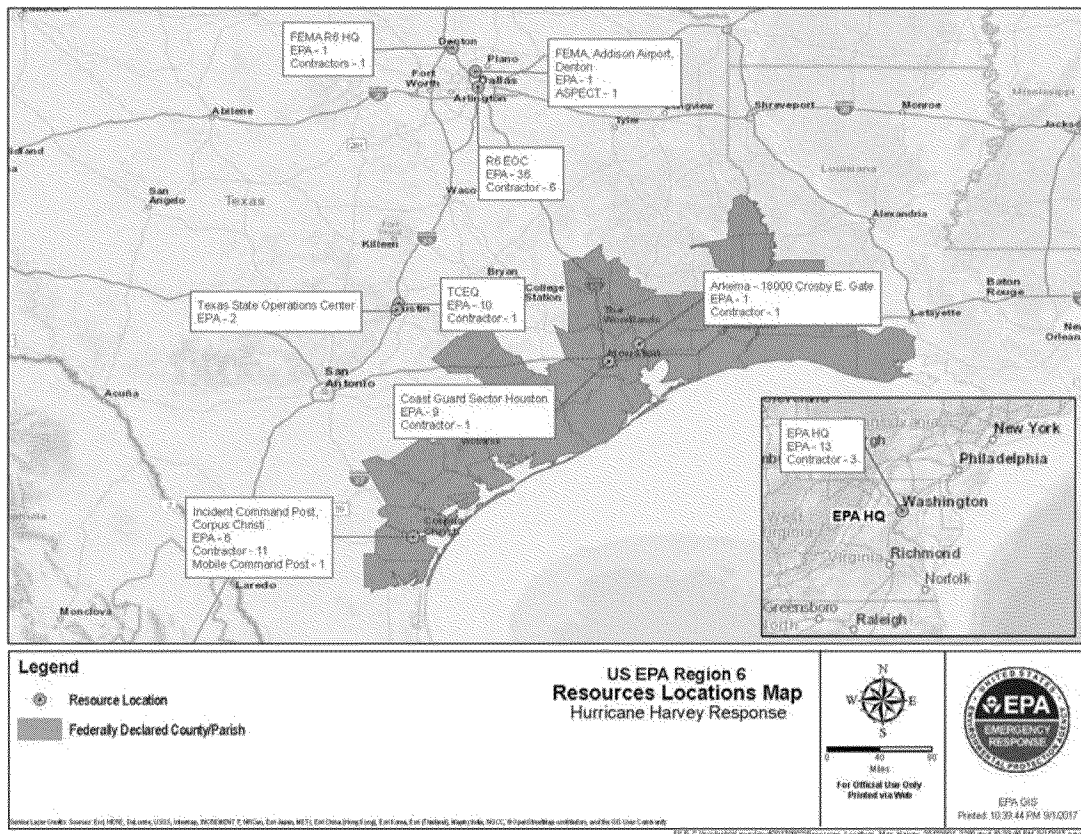


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RESOURCES

Personnel	EPA Dallas, TX	FEMA Denton, TX	Texas SOC Austin, TX	TCEQ Austin, TX	Houston, TX	Corpus Christi, TX	HQ EOC Wash DC	Totals
EPA	36	1	2	10	9	13	13	84
START	5			1	1	5		12
ERRS						6		6
Other Contractors	1						3	4
TOTAL	42	1	2	11	10	24	16	106



FUNDING

SEPTEMBER 1, 2017

Funding Sources	Funding Ceiling	Funding Ceiling Less Indirect	Spent to Date	Remaining Balance	Daily Burn Rate
Non Mission Assignment	N/A		\$64,200.00	\$0.00	
MA 4332DR-TX-EPA-01	\$20,000.00	\$17,654.00	\$0.00	\$17,654.00	
MA 4332DR-TX-EPA-03	\$8,592,000.00	\$7,584,077.00	\$1,759,127.00	\$5,824,950.00	\$90,233.84*
Totals:	\$8,612,000.00	\$7,601,731.00		\$7,601,731.00	

*Burn rate does not include daily ERRS amounts, not yet received. The burn does include START & ASPECT.

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

LABORATORY/ ANALYTICAL SERVICES

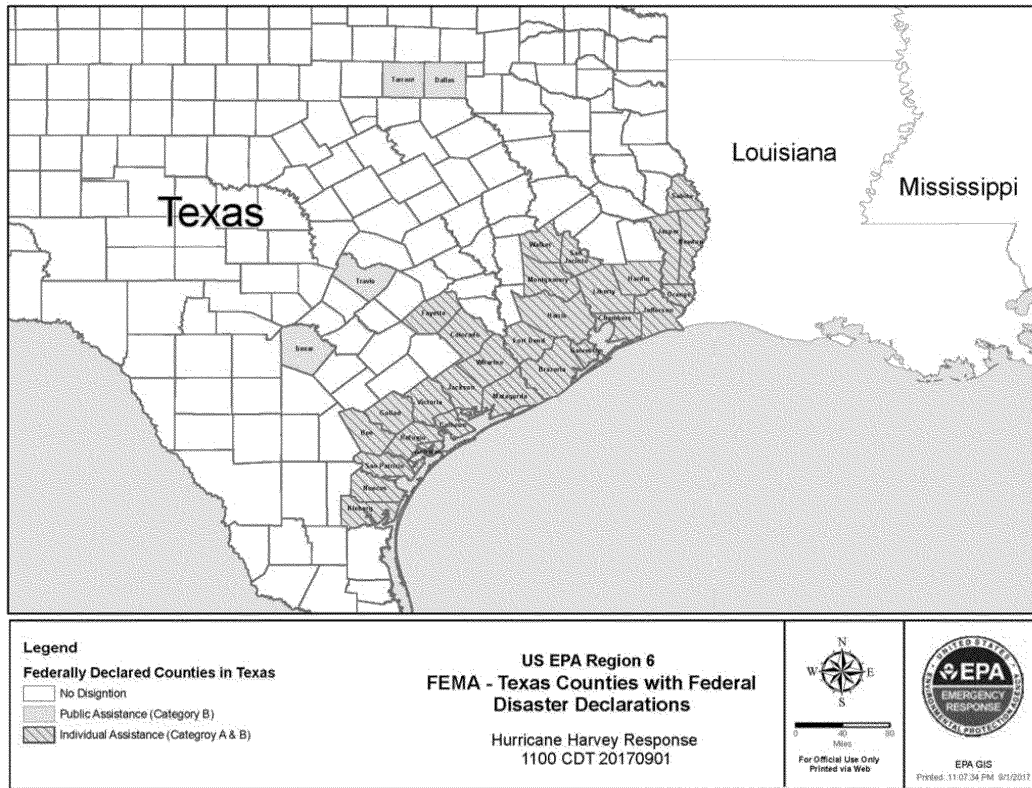
EPA's organic chemical mobile laboratory arrived in Houston, Texas on August 31, 2017. The mobile laboratory can be utilized to process environmental samples.

REFINERIES/FUELWAIVERS

1. TEXAS: EPA approved the State of Texas' request to extend the Texas fuel waiver to allow use of non-road diesel fuel in on-road applications. This non-road fuel has different tax treatment, and to differentiate it, is colored with red dye. The Internal Revenue Service (IRS) issued a waiver of the dyed diesel fuel penalty through September 15, 2017. The IRS will not impose a penalty when dyed diesel fuel is sold for use or used on the highway.
2. LOUISIANA: A waiver that would allow use of 9.0lb. RVP was approved on 28 August. LDEQ thanked EPA, R6 and Department of Energy for the quick turnaround and assistance this week. On September 1, 2017 the Governor of Louisiana requested a No Action Assurance from the EPA Region 6 Acting Regional Administrator. According to Louisiana this in order to facilitate the delivery of fuels to areas of Louisiana and Texas impacted by the hurricane, the Louisiana Department of Environmental Quality (LDEQ), on behalf of Governor John Bel Edwards, respectfully requests that EPA provide a "no action assurance" to allow for the use of tank trucks, railcars, and marine tank vessels that may not have the requisite vapor tightness documentation necessary to load gasoline and other petroleum products at Louisiana facilities.

3. OKLAHOMA: A statewide low Reid Vapor Pressure (RVP) fuel waiver request was submitted on August 28, 2017, and amended their request on August 30 expanding 11.5 RVP waiver nationwide.
4. ARKANSAS: The State is drafting a waiver request to temporarily waive the requirement for low 9.0lb RVP fuel.
5. On August 30th, EPA issue a waiver for the temporary use of 11.5 PSI RVP gasoline in the following states: Alabama, Georgia, Kentucky, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, Texas, Louisiana, Florida and the District of Columbia. For Texas and Louisiana, it expands the waiver coverage area from the earlier waiver granted.
6. EPA issued a waiver for 38 states and the District of Columbia of all low volatility gasoline requirements in any State Implementation Plan that applies in the designated states. This waiver now includes all five Region 6 states: Arkansas, Louisiana, New Mexico, Oklahoma and Texas. The waiver for El Paso, Texas goes until September 16, 2017 due to their State Implementation Plan requirements.

FEMA – TEXAS COUNTIES WITH DISASTER DECLARATIONS



NPL SITE STATUS UPDATE

EPA has inspected and cleared the Brine Service Company and the Falcon Refinery Sites and no new updates will be available until Tuesday.

Superfund Sites within Federally Declared Counties			9/2/2017
Status Summary			
TEXAS			
SITE NAME	Inspected	Offsite Release	Onsite Damage
BRINE SERVICE CO.	8/30/17	No	No
FALCON REFINERY	8/30/17	No	No
ALCOA (Point Comfort) / LAVACA BAY			
BAILEY WASTE DISPOSAL			
BRIO REFINING INC.			
CONROE CREOSOTING COMPANY			
CRYSTAL CHEMICAL CO.			
DIXIE OIL PROCESSORS INC.			
FRENCH, LTD.			
GENEVA INDUSTRIES / FUHRMANN ENERGY			
GULFCO MARINE MAINTENANCE			
HARRIS (FARLEY STREET)			
HART CREOSOTING			
HIGHLANDS ACID PIT			
JASPER CREOSOTING			
JONES ROAD GROUNDWATER PLUME			
MALONE SERVICES COMPANY			
MANY DIVERSIFIED INTERESTS, INC			
MOTCO, INC.			
NORTH CAVALCADE STREET			
PALMER BARGE LINE			
PATRICK BAYOU			
PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou)			
SAN JACINTO RIVER WASTE PITS			
SIKES DISPOSAL PITS			
SOL LYNN / INDUSTRIAL TRANSFORMERS			
SOUTH CAVALCADE STREET			
STAR LAKE CANAL			
STATE MARINE OF PORT ARTHUR			
TEX-TIN CORP.			
US OIL RECOVERY			
TRIANGLE CHEMICAL COMPANY			
UNITED CREOSOTING CO.			

Superfund Sites within Federally Declared Counties			
			9/2/2017
Status Summary			
LOUISIANA			
AMERICAN CREOSOTE DERIDDER			
D.L. MUD, INC.			
EVR-WOOD TREATING/EVANGELINE REFINING COMPANY			
GULF COAST VACUUM SERVICES			
GULF STATE UTILITIES (North Ryan Street)			
MALLARD BAY LANDING BULK PLANT			
SBA SHIPYARD			
PAB OIL & CHEMICAL SERVICE			

PHOTOS



Command and General Staff Meeting in Corpus Christi, TX



EPA Command Post – Corpus Christi, TX