Tropical Storm Harvey 2017
8/31/2017 – 0800 CDT Update

HIGHLIGHTS

Texas

At approximately 0245 on August 31, 2017 the Arkema facility exploded.

EPA emergency response personnel in Texas are in direct contact with first responders in Harris County and are providing federal assistance and resources. Harris County Office of Homeland Security and Emergency Management is conducting air monitoring in the area. EPA ASPECT aircraft has been deployed to provide real-time chemical information instantaneously to first responders. The aircraft measures for 78 chemical compounds including peroxides and sulfur dioxides. EPA's federal On-scene Coordinator will be on-scene shortly to ensure all federal resources are available to first responders. Under the National Contingency Plan, EPA assumes the lead responsibility for the federal government in assisting the state and local first responders. EPA is also sending additional air monitoring personnel and equipment to augment the current effort of the state and local first responders. Monitoring teams from Houston area will be on-scene in the next few hours.

According to local responders one of the eight refrigerated trailers on site auto-ignited and is burning. Due to health and safety concerns, Harris County Fire Department is maintaining a 1.5-mile evacuation around the facility. On August 30, 2017 at 0900 EPA ASPECT aircraft conducted its initial overflight of the Arkema facility in Crosby, TX. No vapors were detected migrating from the site and no thermal abnormalities were detected on that overflight.

Poison Control Centers are set up in Texas to help citizens who have health concern questions concerning the Arkema facility, as well as any other flood related health questions.

The EPA Administrator will visit the State Operations Center in Austin today August 31, 2017.

There has been an expansion of the Federally Declared counties in Texas. An additional fourteen counties were added today. Three of the fourteen were added for emergency services such as hosting mega shelters.

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The Conoco Phillips facility in Cuero, Texas reported a 316 bbl spill oil spill due to Hurricane Harvey. The spill impacted Denton Creek. An emergency response team is responding out of the Corpus Christi Incident Command Post.

ESF-15 FEMA Public Affairs is establishing a Joint Information Center in Austin at the newly established Joint Field Office (JF0). The EPA Public Information Unit in Dallas is fully operations and supported by a Public Information Assistance Team (PIAT). An EPA PIO is also in Corpus Christi to support operations there.

Louisiana

EPA continues to participate in National Weather Service (NWS) and Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) conference calls. EPA coordinates with LDEQ periodically throughout the day.

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	39	1	1	10		9	6	66
START	5			1	1	5		7
IT Contractor	1						2	3
TOTAL	45	1	1	11	1	14	8	76

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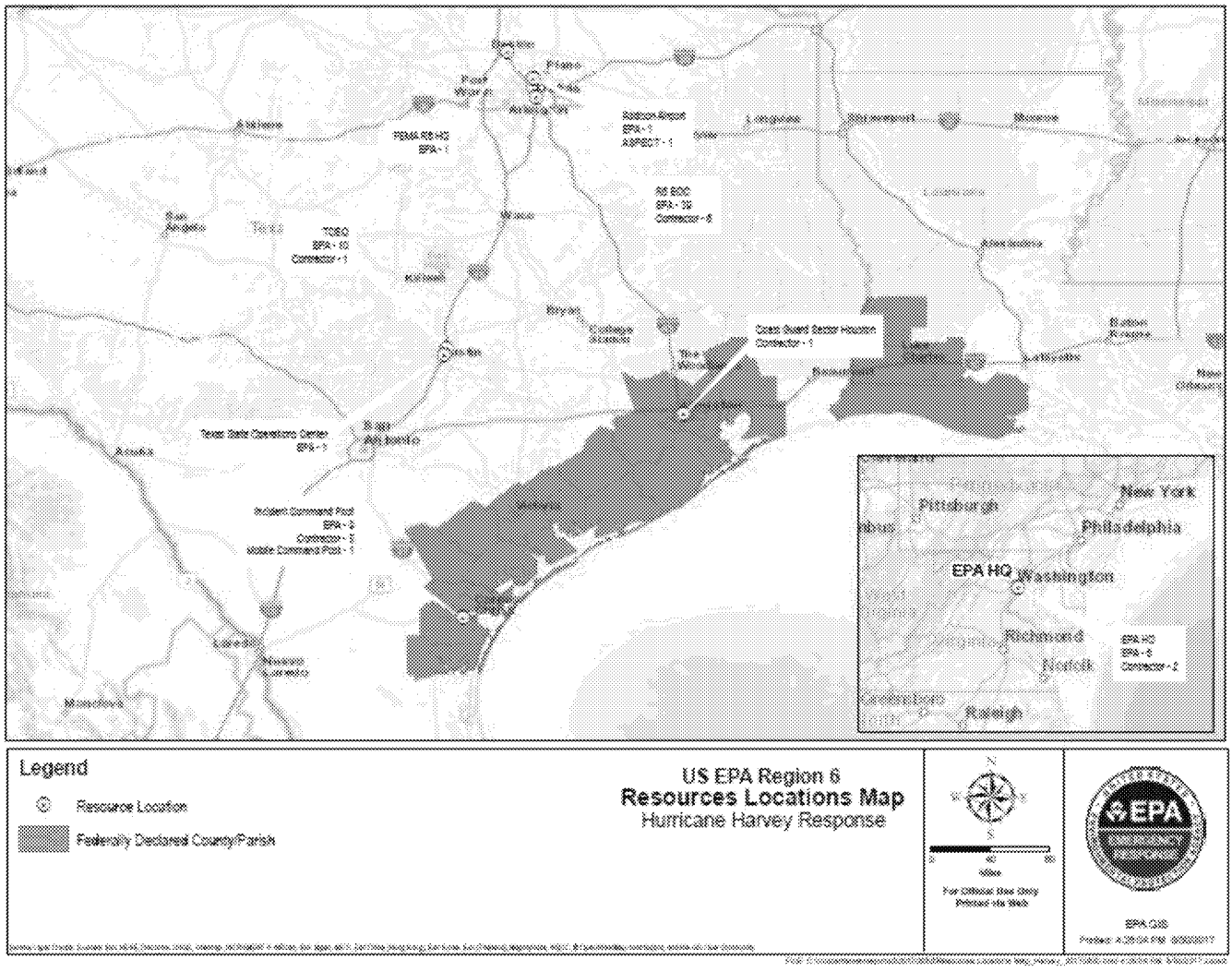
Pittsburgh
New York
Philadelphia
EPA HQ Washington
Richmond
Norfolk
Raleigh
Legend
Resource Location
Federally Declared County/Parish
US EPA Region 6
Resources Locations Map
Hurricane Harvey Response
EPA

Industrial Sources

Area facilities are reporting their status to TCEQ as they continue to be shut down or begin to initiate start-up activities.

Spill/Release Response

Hotline Calls as of 1500 on August 30, 2017	
Number of Harvey Related Calls Received During Reporting Period	18
Total Number of Harvey Related Calls to Date	54

On August 30, 2017 the Unified Command had seven teams in the field conducting reconnaissance. The teams consist of personnel from TCEQ, Civil Support Team (CST), EPA, and a USCG. These teams are conducting hazard evaluations of orphaned containers found during field reconnaissance. Evaluations are used to determine actions needed to stabilize and or remove items in the future.

EPA Emergency Response Assets

Upon completion of aerial flight over Arkema this morning, EPA's aerial assessment aircraft will fly aerial reconnaissance over the Corpus Christi area.

Quality Assurance Sampling Plans (QASP)

Regional Emergency Operations Center Environmental Unit members are incorporating Headquarters Emergency Operations Center comments into the EPA QASP for surface /flood water and dirt. These sampling plans have been created to address public health concerns regarding possible contaminates found in storm water and soil that was displaced during the storm.

Drinking Water / Wastewater Assessments

One Water Infrastructure team consisting of two TCEQ staff is slated to visit two systems based on information developed by the TCEQ/EPA call bank in Austin, TX. Additional EPA Region 6 Water Team members are prepared to deploy to Corpus Christi once lodging is established.

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, Texas on August 28, 2017.

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DW - Total # of Systems: 4512

STATUS	NUMBER OF SYSTEMS
Contact Pending	195
Bacteria Sample Results Pending	5
Out of Contact	22
On generator – lost pressure	4
No problems	368
On generator – never lost pressure	17
No Status	3813
Lost pressure & or Treatment	37
Site visit needed	1
Lifted boil water notice due to negative bacteria samples. Normal Ops resumed	10
Not Operating	40

WW - Total # of Systems: 2469

STATUS	NUMBER OF SYSTEMS
Contact Pending - Phone evaluation only	52
Out of Contact - phone evaluation only	3
No Problems	376
No Status	1976
Waste Water Treat. Plant and/or Collection on Generator or bypass pumps for Lift Station	21
Waste Water Treat. Plant and/or Collection non operational no Sanitary Sewer Overflow	26
WWTP and/or Collection Partially Operational Sanitary Sewer Overflow	15

Boiled Water Notices and Water System Status as Reported by TCEQ		
	Systems	Population
Boil Water Notices (BWN) In Place	185	169,212*
Shutdown Drinking Water Systems	53	115,573
Shut Downs Waste Water Systems	22	NA
Boil Water Notices Lifted	3	351,679
Total Excluding Lifted	68	288,563

Not all systems were reported with populations. Populations is a calculated value (3 times the number of service connections)

EPA Laboratory/ Analytical Services

The Houston laboratory is reporting that they will be closed until Tuesday September 5, 2017. The laboratory and office building is not damaged. EPA has back up capabilities for laboratory services should the Houston facility remain closed.

EPA's organic chemical mobile laboratory is enroute from Denver, Colorado to the Corpus Christi area. The anticipated arrival in San Antonio Thursday, August 31, 2017. The mobile laboratory will be utilized to process environmental samples.

Data Management

Region 6 activated the National Data team to provide support data management activities in Corpus Christi. Two Data Team members have been deployed and are expected to arrive in Corpus Christi by Friday September 1, 2017.

Communications

EPA is fully integrated into the Department of Homeland Security and FEMA communication structure and management, and participates in the daily National Incident Communication Conference Line (NICCL) call. EPA initiated its Crisis Communication Plan to ensure rapid response to providing coordinated, accurate, up-to-date information regarding its field activities. EPA's Public Information Office is established in Dallas with forward field components as needed to support the HQ Office of Public Affairs.

Refineries/Fuel Waivers

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.

2. LOUISIANA: A waiver that would allow use of 9.0lb. RVP was approved on 28 August.

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

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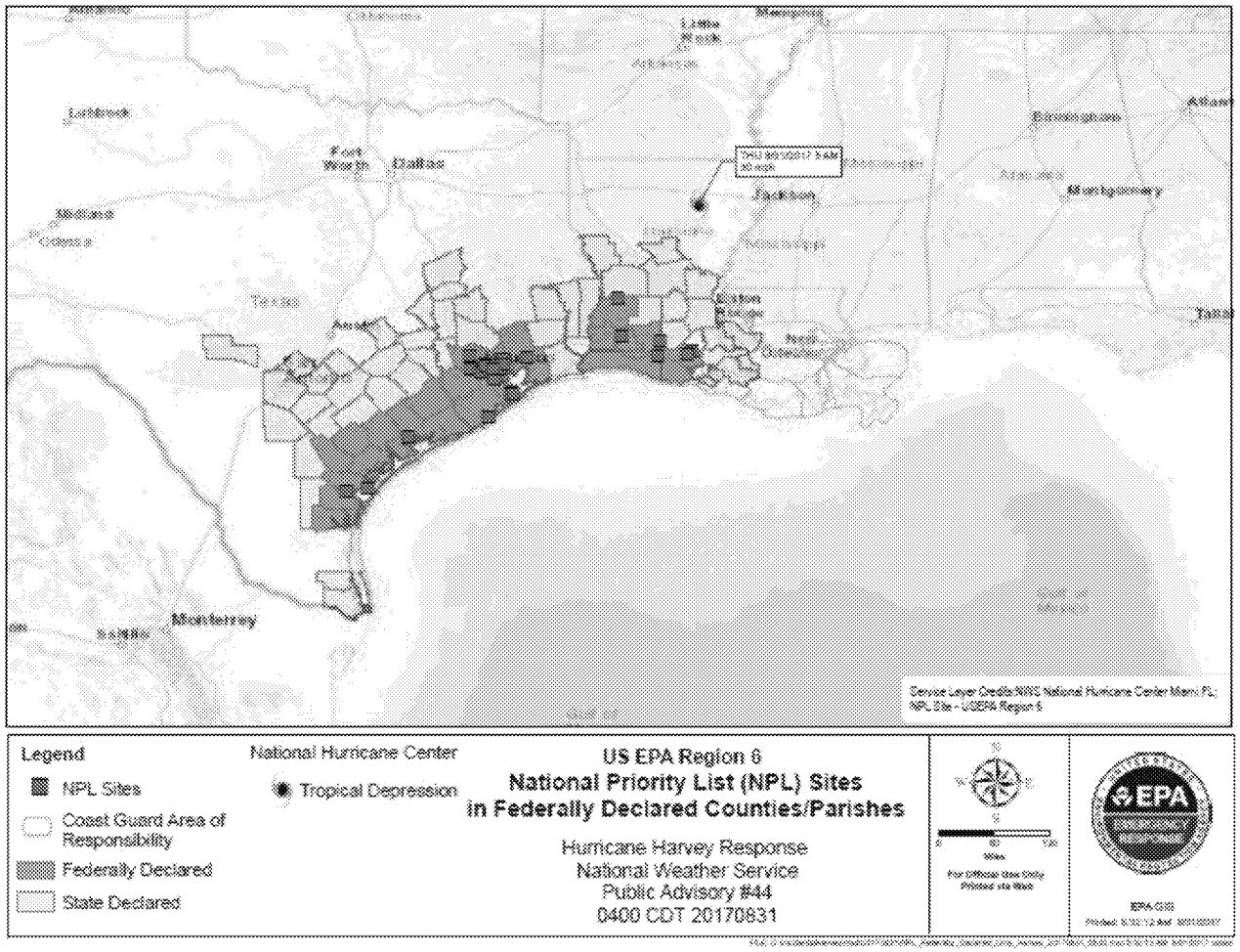
waiver granted.

Funding

Funding Sources	Funding Ceiling	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	$0.00	$20,000.00	
MA 4332DR-TX-EPA-03	$8,592,000.00	$75,864.86	$8,516,135.14	$37,932.43
Totals:	$8,612,000.00	$75,864.86	$8,536,135.14	

Superfund NPL Sites



Superfund Sites within Federally Declared Counties			8/31/2017
SITE NAME	**STATE**	**COUNTY**	**Status Summary**
ALCOA (Point Comfort) / LAVACA BAY	TX	CALHOUN	NPL Remedy Complete, No Reported Impact
BRINE SERVICE CO.	TX	NUECES	RI Underway, No Impact
BRIO REFINING INC.	TX	HARRIS	NPL Remedy Complete, Impacted
CRYSTAL CHEMICAL CO.	TX	HARRIS	NPL Remedy Complete, No Reported Impact
DIXIE OIL PROCESSORS INC.	TX	HARRIS	NPL Remedy Complete, Impacted
FALCON REFINERY	TX	SAN PATRICIO	RI Underway, No Impact
FRENCH, LTD.	TX	HARRIS	NPL Remedy Complete, Impacted
GENEVA INDUSTRIES / FUHRMANN ENERGY	TX	HARRIS	NPL Remedy Complete, Impacted
GULFCO MARINE MAINTENANCE	TX	BRAZORIA	NPL Remedy Complete, Status not Confirmed
HARRIS (FARLEY STREET)	TX	HARRIS	NPL Remedy Complete, Status not Confirmed
HIGHLANDS ACID PIT	TX	HARRIS	NPL Remedy Complete, Impacted
JONES ROAD GROUNDWATER PLUME	TX	HARRIS	GW Remedy Underway, No Reported Impact
MALONE SERVICES COMPANY	TX	GALVESTON	NPL Remedy Underway, Impacted
MANY DIVERSIFIED INTERESTS, INC	TX	HARRIS	NPL Remedy Complete, Impacted
MOTCO, INC.	TX	GALVESTON	NPL Remedy Complete, Status not Confirmed
NORTH CAVALCADE STREET	TX	HARRIS	NPL Remedy Complete, No Reported Impact
PATRICK BAYOU	TX	HARRIS	RI Underway, Impacted
PETRO-CHEMICAL SYSTEMS, INC. (Turtle Bayou)	TX	LIBERTY	NPL Remedy Complete, Impacted
SAN JACINTO RIVER WASTE PITS	TX	HARRIS	Temporary Cap, Impacted
SIKES DISPOSAL PITS	TX	HARRIS	NPL Remedy Complete, Impacted
SOL LYNN / INDUSTRIAL TRANSFORMERS	TX	HARRIS	NPL Remedy Complete, Impacted
SOUTH CAVALCADE STREET	TX	HARRIS	NPL Remedy Complete, No Reported Impact
TEX-TIN CORP.	TX	GALVESTON	NPL Remedy Complete, Impacted
US OIL RECOVERY	TX	HARRIS	RI Underway, Impacted
AMERICAN CREOSOTE DERIDDER	LA	BEAUREGARD	Pre-RI, No Reported Impact
GULF STATE UTILITIES (North Ryan Street)	LA	CALCASIEU	NPL Remedy Complete, Impacted
MALLARD BAY LANDING BULK PLANT	LA	CAMERON	NPL Remedy Complete, No Reported Impact
SBA SHIPYARD	LA	JEFFERSON DAVIS	RI Underway, No Reported Impacted
PAB OIL & CHEMICAL SERVICE	LA	VERMILION	NPL Remedy Complete, No Reported Impact
GULF COAST VACUUM SERVICES	LA	VERMILION	NPL Remedy Complete, No Reported Impact
D.L. MUD, INC.	LA	VERMILION	NPL Remedy Complete, No Reported Impact
Legend of NPL Site Status Summary Indicators:			
Impacted	direct information of storm damage: flooding or wind		
No Reported Impact	direct information of no storm damage		
Status not Confirmed	no available information-site not accessible		
RI	remedial investigation		
GW	ground water		

Louisiana Activities

Louisiana Department of Environmental Quality (LDEQ)

Radiation licensees in the anticipated impacted area have been contacted to discuss storm preparations and contingencies of radiological sources. LDEQ is monitoring the status of nuclear plants Waterford 3, and Riverbend Station; both facilities enacted their preliminary stages of their Severe Weather plans.

Louisiana Department of Health (LDH)

Three Public Water Systems (PWS) are on a Boil Water Advisory (BWA) related to Hurricane Harvey. One Water System is currently out of service in Calcasieu Parish.

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