Tropical Storm Harvey 2017
8/30/2017 – 1700 CDT Update

Highlights

Texas

The EPA Aspect aircraft has completed its initial overflight of the Arkema facility in Crosby, TX. Although no vapors were detected migrating from the site and no thermal abnormalities were detected on the overflight, Arkema has estimated that the first trailer could reach auto ignition temperatures within the next 24 hours. Due to health and safety concerns Harris County Fire Department has adopted a defensive posture at the facility and is maintaining a 1.5-mile evacuation around the facility. Should a release/fire occur EPA will conduct another mission over the facility with Aspect.

EPA, Texas Commission on Environmental Quality (TCEQ), Texas General Land Office (TGLO) and US Coast Guard (USCG) have established Emergency Support Function (ESF) 10 Unified Command to respond to the impacts of Hurricane Harvey. The Unified Command Post is currently in Corpus Christi. As of August 30, 2017, six EPA Incident Management Team members are in Unified Command.

Four EPA Region 6 water team members are ready to deploy to Corpus Christi to conduct additional water system assessments. Due to reported to fuel and lodging shortages in the Corpus Christi area, deployment of the team is being delayed.

Two National Priorities List (NPL) Superfund sites were inspected on August 30, 2017, to asses impacts from the hurricane. The two sites are the Falcon Refinery Site and the Brine Service Site both located in Corpus Christi, Texas.

Administrator is visiting Corpus Christi today and the State Operations Center in Austin tomorrow.

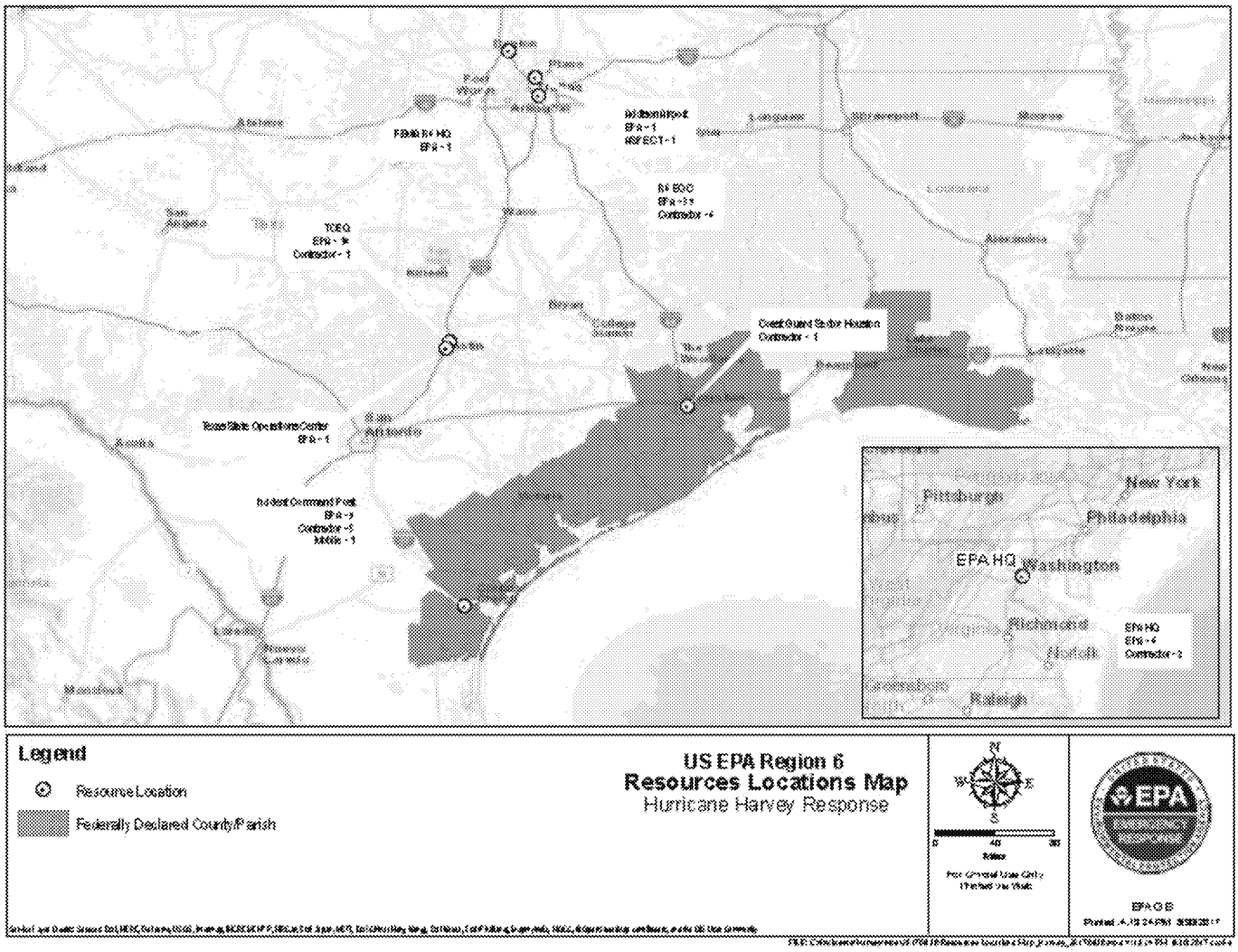
There has been an expansion of the Federally Declared counties in Texas. An additional fourteen counties were added today. Three of the fourteen were added for emergency services such as hosting mega shelters.

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



Industrial Sources

Area facilities are reporting their status to TCEQ as they continue to be shutdown 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 has 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

EPA's aerial assessment aircraft is conducting 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 is supporting 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.

Drinking Water Systems - Total # of Systems: 4510

STATUS	NUMBER OF SYSTEMS
Contact Pending	56
Out of Contact	32
On generator – lost pressure	5
No problems	210
On generator – never lost pressure	15
No Status	4155
Lost pressure & or Treatment	7
Site visit needed	2
Lifted boil water notice due to negative bacteria samples. Normal Ops resumed	8
Not Operating	20

Waste Water Systems- Total # of Systems: 2466

STATUS	NUMBER OF SYSTEMS
Contact Pending - Phone evaluation only	41
Out of Contact - phone evaluation only	6
No Problems	250
No Status	2127
Waste Water Treat. Plant and/or Collection on Generator or bypass pumps for Lift Station	16
Waste Water Treat. Plant and/or Collection non-operational no Sanitary Sewer Overflow	19
WWTP and/or Collection Partially Operational Sanitary Sewer Overflow	7

Boil Water Notices and Water System Status as reported by TCEQ		
	Systems	Population
Boil Water Notices (BWN) In Place	52	184,941
Shutdown Drinking Water Systems	23	103,622
Shut Downs Waste Water Systems	17	NA
Boil Water Notices Lifted	2	332,493

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 Corpus Christi is Friday September 1, 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 has 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 will be established in Dallas with forward field components as needed to support the HQ Office of Public Affairs.

Refineries/Fuel Waivers

1. TEXAS: EPA has 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. We need to waive the limitations in our regulations and then IRS needs to issue a waiver as well.

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.

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.

Funding

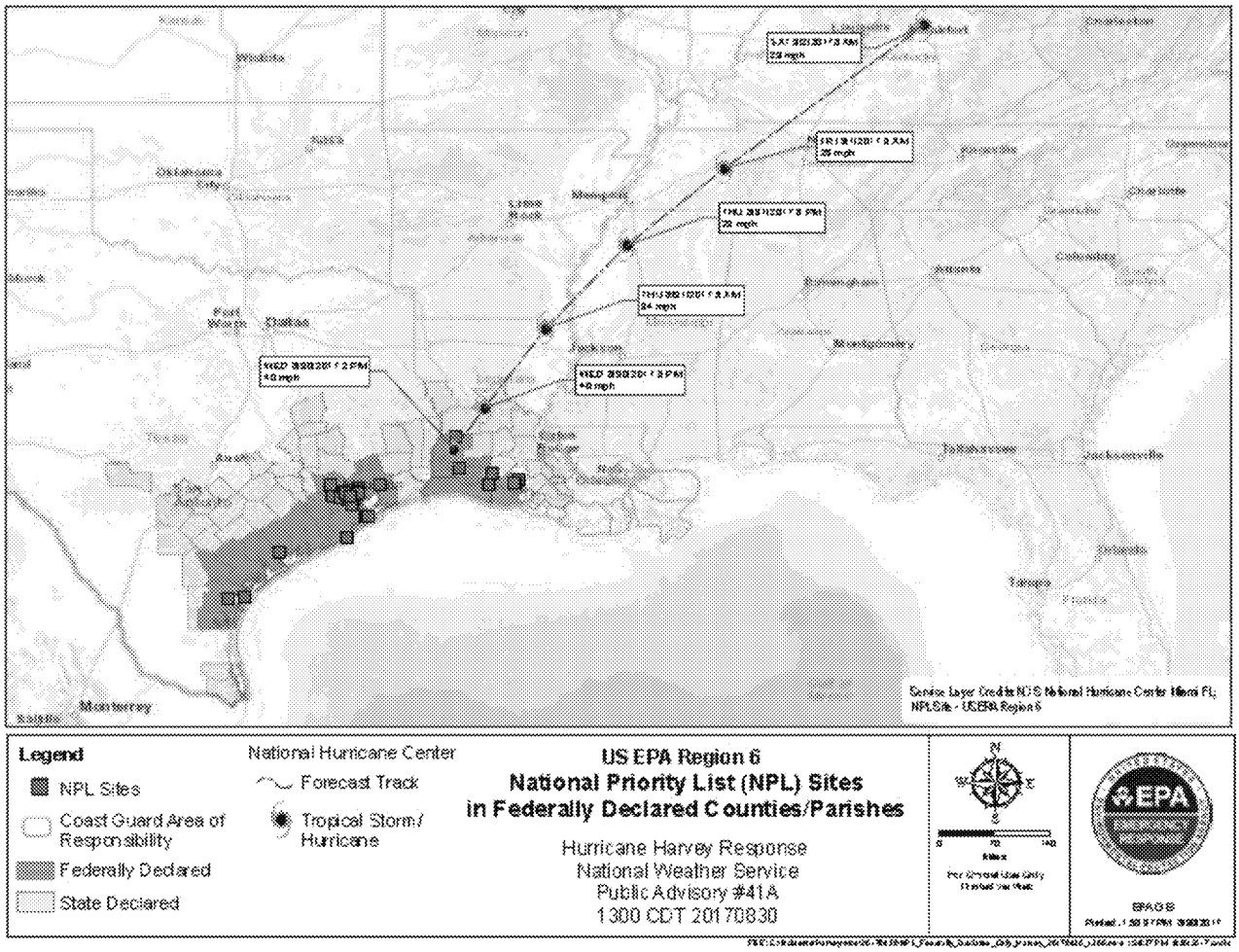
Funding Sources	Funding Ceiling	Spent to Date	Remaining Balance	Daily Burn Rate
Non Mission Assignment	N/A	$64,200.00	$0.00	
MA 4332DR-TX-EPA-01	$20,000.00	$0.00	$20,000.00	
MA 4332DR-TX-EPA-03	$8,592,000.00	$75,864.86	$8,516,135.14	$37,932.43
Totals:	$8,612,000.00	$75,864.86	$8,536,135.14	

EPA has received a Mission Assignment (MA) to assist the State of Texas with drinking water, wastewater and Hazmat recovery operations. This Mission Assignment for $8.5 million added 170 EPA and USCG personnel to the TCEQ Hurricane Harvey response in Corpus Christi, Houston and surrounding impacted areas. This MA is for support of assessment and response operations to actual or threatened spill or release of hazardous materials and oil. Assistance includes response to release/discharges from fixed facilities, as well as orphaned containers and mobile

sources.

Superfund NPL Sites

Region 6 Remedial Project Managers continue to monitor and assess the status of NPL sites in the impacted areas. Some sites continue to be inundated with flood water. Assessments of those site will be conducted as flood waters recede. The San Jacinto River Waste Pits site is experiencing severe flooding. The highest point of the temporary cap is under 5-feet of flood water. Floodwaters are not expected to recede for several days. The US Oil Recovery Site responsible parties notified the NRC that low-levels of contaminants in residual sludge from the former wastewater treatment plant are being released into floodwaters. Other impacted sites are experiencing varying degrees of flooding with no reported releases.



Superfund Sites within Federally Declared Counties **8/30/2017**

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, Impacted
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, Impacted
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, No Reported Impact
MALLARD BAY LANDING BULK PLANT	LA	CAMERON	NPL Remedy Complete, No Reported Impact
SBA SHIPYARD	LA	JEFFERSON DAVIS	RI Underway, No Reported Impact
PAB OIL & CHEMICAL SERVICE	LA	VERMILION	NPL Remedy Complete, No Reported Impact
GULF COAST VACUUM SERVICES	LA	VERMILION	NPL Remedy Complete, 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

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.