Tropical Storm Harvey 2017
8/30/2017 – 0800 CDT Update

Highlights

Texas

EPA has deployed its aerial assessment aircraft to assess the conditions at the Arkema faciliy in Crosby and continues to assist the TCEQ, our primary regulatory partner in Texas. The equipment on the aerial assessment aircraft will be able to detect chemical leaks, thermally image the facility and obtain aerial photos of current site conditions. This information will help first responders in their preparations. EPA worked with the Department of Homeland Security to develop plume modeling to provide to local responders. The plume modeling indicated the offsite consequences of the chemical of concern, which are organic peroxide, sulfur dioxide, and chlorine.

The facility is without power and has lost their backup power source for one of the containers. The contents of that container is approaching auto-ignition temperatures and could potentially detonate within the next 24 hours. The area is evacuated due to flooding, local first responders are in the area conducting search and rescue. These personnel were evacuated from the area.

EPA, TCEQ, Texas General Land Office (TGLO) and US Coast Guard are operating in Unified Command. Four EPA Incident Management Team members are in Corpus Christi, Texas today August 30, 2016 to establish the unified command center.

On August 30, 2017 the Unified Command will have seven teams in the field conducting reconnaissance. The teams will consist of Texas Commission on Environmental Quality (TCEQ), Civil Support Core, EPA, and a Coast Guard strike team.

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

On August 30, 2017, the Nuclear Regulatory Commission (NRC) reported the South Texas Project (STP) nuclear power facility, located in Bay City, Texas continues to operate at full power as of 7:20 AM EDT, August 28, per the Nuclear Regulatory Commission Power Reactor Status Report. Their storm team of 175 continue to manage safe operations.

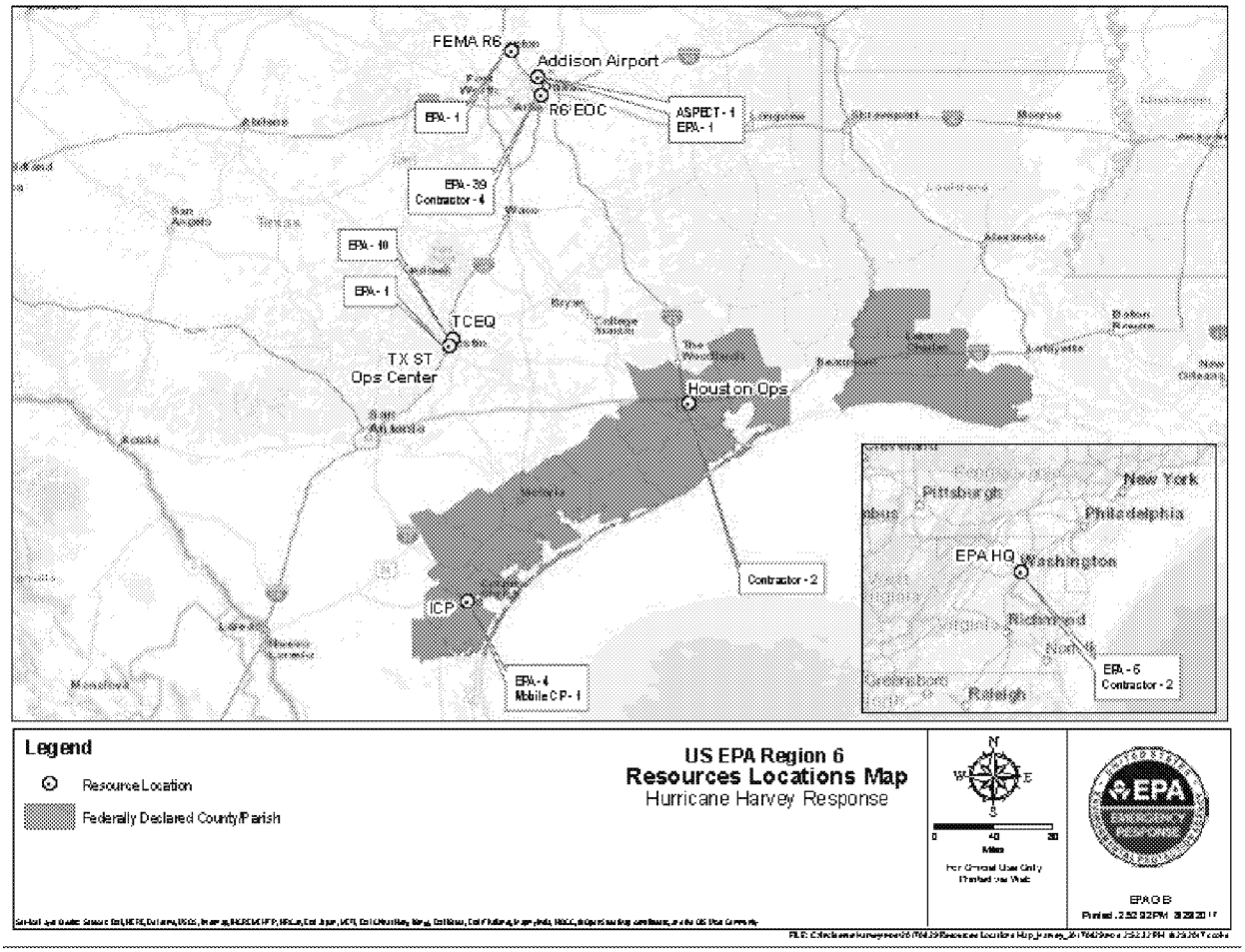
Administrator will visit Corpus Christi today and the State Operations Center in Austin tomorrow.

Louisiana

Louisiana Department of Environmental Quality is monitoring for flooding and no additional parishes have been declared since August 28, 2017. Harvey is expected to strengthen and cause heavy rain in Southwest Louisiana. A tropical storm warning is in effect for Jefferson and Orange Counties and Calcasieu, Cameron, Jeff Davis, Vermilion, Iberia, and St. Mary Parishes.

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	40	1	2	10		6	6	61
START	3				2	2		7
IT Contractor	1						2	3
TOTAL	43	1	1	10	2	4	8	69



Industrial Sources

On August 29, 2017, the Texas Commission on Environmental Quality reported that Valero's Corpus Christi refinery will begin start-up operations over the next four to six days. During this start-up procedure they will be running at 60% capacity.

Spill/Release Response

Hotline Calls as of 1500 on August 29, 2017	
Number of Harvey Related Calls Received During Reporting Period	8
Total Number of Harvey Related Calls to Date	36

Seven Hazard Evaluation teams will be in the field on Wednesday August 30, 2017. The teams will focus on Corpus Christi, Portland, and Port Aransas. One Oil Discharge Assessment Team consisting of US Coast Guard (USCG) Strike Team members will visit multiple locations based on information from evaluations entered into Response Manager. One Emergency Response Team consisting of two USCG members will be formed and available if needed.

EPA Emergency Response Assets
EPA's aerial assessment aircraft will conduct aerial reconnaissance over the Corpus Christi area on August 30, 2017, as weather permits.

Surface and Flood Water Quality Monitoring
EPA surface and flood water sampling plan to address public health concerns regarding possible contaminates found in storm water has been completed.

Drinking Water / Wastewater Assessments
The EPA Region 6 Drinking and Wastewater Team will mobilize to Corpus Christi, Texas to assist with drinking water and waste water field assessments on Thursday, August 31, 2017. 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.

EPA is supporting TCEQ in contacting drinking water and waste water systems. Current status as of 1700 on Tuesday, August 29, 2017. EPA deployed 10 personnel to assist TCEQ's Drinking Water and Waste Water Phone Bank located in Austin, Texas.

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 bacterial samples. Normal operations resumed	8
Not Operating	20

Wastewater 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

Texas Public Drinking Water System – Boiled Water Notices (as reported by TCEQ)

	Systems	Population
Boil Water Notices (BWN)	48	91,575
Shutdown	20	92,658
Total	68	184,233

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. GEORGIA: The fuels team is continuing to investigate the fuel supply issue. It is likely that we will need to issue a waiver soon.

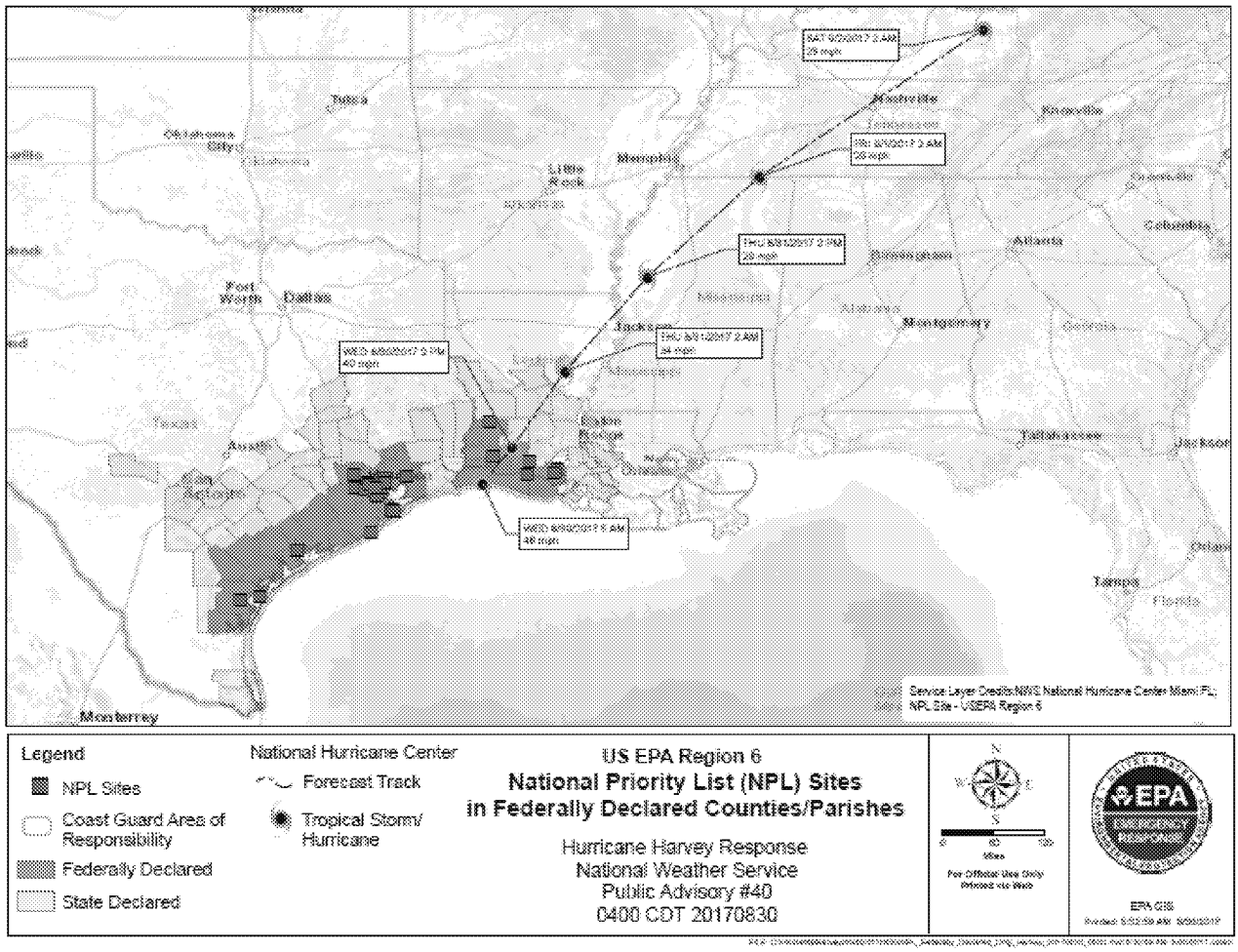
4. OKLAHOMA: A statewide low Reid Vapor Pressure (RVP) fuel waiver request was submitted on August 28, 2017.

5. The Renewable Fuels Association submitted a request to relax the RVP to 10 psi.

Funding
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. The estimated daily burn rate for this MA is currently $26,460.

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

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 sludges 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