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From: EOC_Deputy_Manager

Sent: Mon 9/11/2017 3:30:57 PM

Subject: Documents for Hurricane Irma/Harvey: PCC Meeting and Conference Call
[PCC Meeting Agenda 2017-09-11.docx](#)
[Irma PCC Objectives.docx](#)
[Region 6 09112017 0700 Update.pdf](#)
[Hurricane Irma EPA Region 4 SITREP07 2017 0911 Final Morning \(1\).pdf](#)
[Region 2 Management Report 9-11-2017.pdf](#)
[FEMA+SLB Irmaand+Harvey Sept11.pdf](#)

Attached please find today's PCC Meeting agenda, Irma Objectives, the Situation Reports for Region 6, Region 4 and Region 2 and the FEMA SL Brief.

Call in number: 1 866-299-3188

Access Code: 202 566 1208

Hurricane Harvey/Irma Policy Coordinating Committee

Agenda

September 11, 2017

Opening Remarks Ryan Jackson

Barry Breen

Situational Updates

For each situational update would you please address the following topic areas in addition to Regional/Program specific highlights:

What are you being asked to do/support from our Federal, State and Local partners?

- Are there actions you are considering leaning forward on to address a need or expedite our response activities?
- Are there program policy, legal, or resource issues impacting your operations?
- Discussion of recovery efforts

Region 2

Region 4

Region 3

OPA

OLEM

Harvey Update Region 6

General Discussion

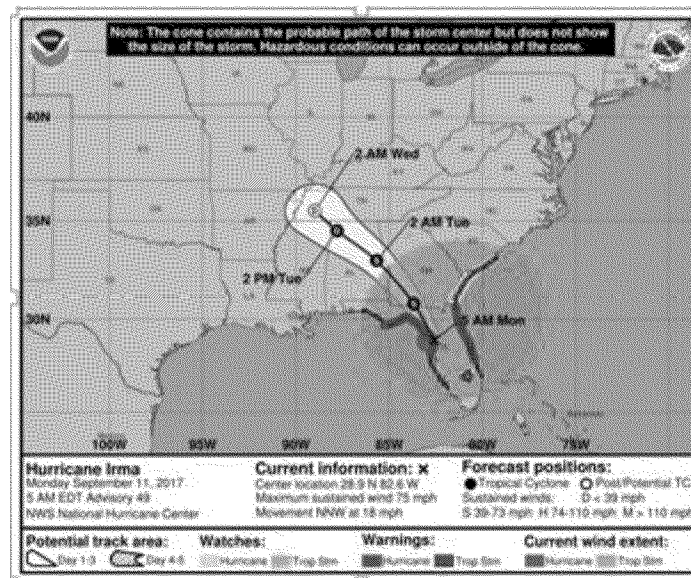
Next Meeting

Senior Leadership Briefing
Hurricane Irma
Monday, September 11, 2017 (5:00 a.m. EDT)
Updates in Blue

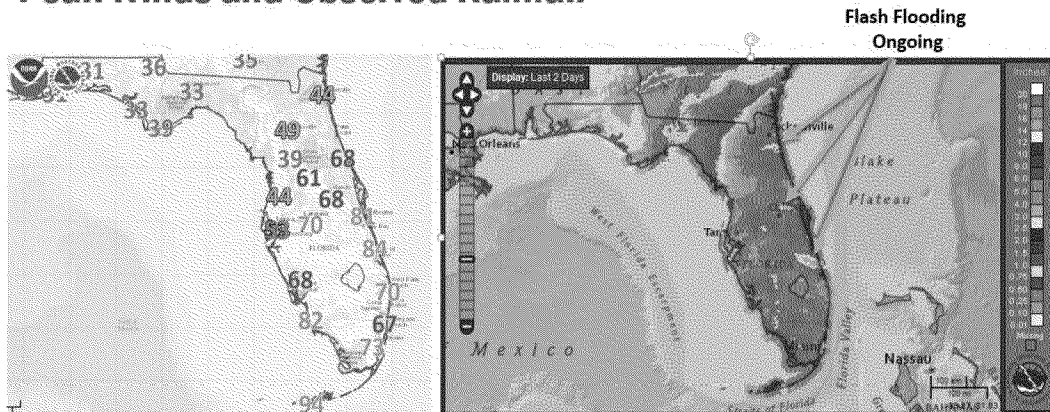
Current Situation:

At 5:00 a.m. EDT, Hurricane Irma was located near Tampa, FL, with maximum sustained winds of 75 mph. The eye of Irma should move near or over the west coast of the Florida Peninsula this morning and remain a hurricane. Irma should then move inland over northern Florida and southwest Georgia by this afternoon while Irma continues to weaken.

Peak wind gusts from Irma (as of 5:00 a.m.) include 142 mph at Naples Airport, 130 mph at Marco Island, 122 mph in Lely, and 120 mph at Big Pine Key. Hurricane conditions are continuing across portions of central and northern portions of the FL Peninsula, with tropical storm and hurricane conditions expected to spread northward today. Irma is expected to produce rainfall amounts of 8 to 20 inches, locally 25 inches, from the Florida Keys to southeast Georgia through Wednesday. There is a high risk for flash flooding across these areas. Moderate to major river flooding is forecast with the greatest risk across Pasco to Sarasota Counties, FL. Tornadoes are also possible through today across the northern half of the FL Peninsula to eastern South Carolina. (NOAA Update, September 11, 2017, 5:00 a.m. EDT)



Peak Winds and Observed Rainfall



Peak Wind Gusts from Irma:

- 142 mph at Naples Airport
- 130 mph at Marco Island
- 122 mph in Lely
- 120 mph at Big Pine Key

Impact Summary:

Population Impacts						
State/Tribe	Confirmed Fatalities	Shelters / Population	Customer Power Outages	Hospitals	Evacuations	Other
USVI	4	Shelters: 6 (+1) Pop: 154 (+85)	St. Thomas - 19,581 St. John - 2,893 St. Croix - 6,905	1 evacuated/closed	N/A	St. Thomas and St. John curfew 6 p.m. to 12 p.m.
PR	3	Shelters: 6 (+1) Pop: 154 (+85)	431,064	1 closed; 6 on generator power	N/A	Schools and government offices remain closed
FL	Not Reported	Shelters: 590 (+130) Pop: 192,330 (+64,998)	4,984,342 (+3,204,598)	35 closed 49 evacuated	37 counties mandatory 13 counties voluntary	Curfews in effect for most cities and counties All schools, colleges, and state offices closed
Seminole Tribe	Not Reported	Shelters: 6 Pop: 85	No Power	Not Reported	No orders	Leaking at Immokalee and Big Cypress shelters
Miccosukee Tribe	Not Reported	Shelters: 1 Pop: 20	No Power	Not Reported	Not Reported	
GA	N/A	Shelters: 34 (+5) Pop: 5,902 (+2,031)	11,376	6 evacuated/closed	All areas east, some areas west of I-95, 1 county	State government offices closed September 11-12
SC	N/A	Shelters: 23 (+20) Pop: 571 (+326)	N/A	N/A	Mandatory for barrier islands in 3 counties	State government buildings and schools closed in 24+ counties
NC	N/A	Shelters: 5 (+1) Pop: 33 (+33)	N/A	Not Reported	N/A	
TN	N/A	Shelters: 4 (-1) Pop: 131 (+95)	N/A	Not Reported	N/A	
AL	N/A	Shelters: 19 (+15) Pop: 364 (+61)	N/A	Not Reported	N/A	State government buildings, schools, universities closed in 24+ counties

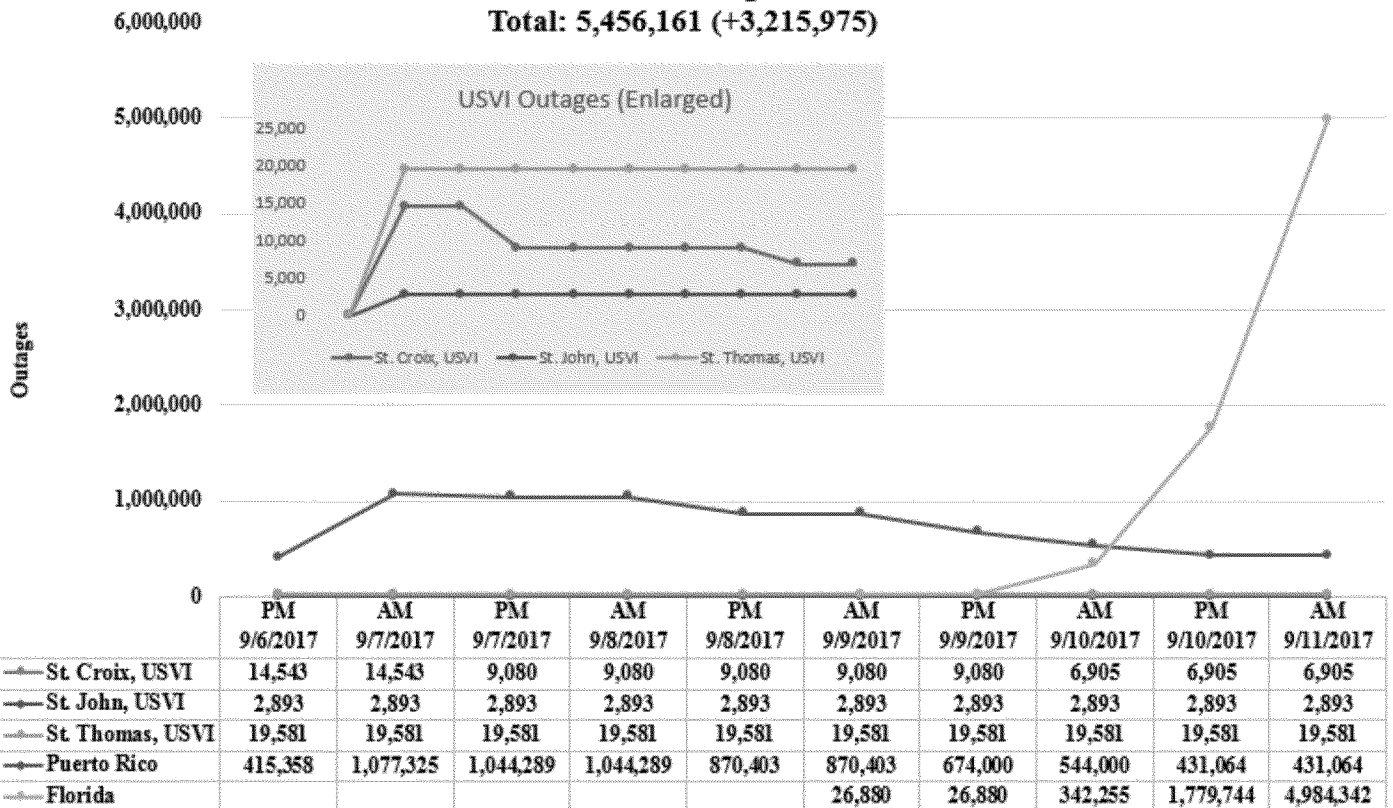
As of: 3:28 a.m. 3:57 a.m. 4:00 a.m. 1:05 a.m. 9/10 7:00 a.m. 9/10 8:46 p.m.
(OCSO Email, RII, ESF-6, ESF-12, ESF-8, RIV, Tribal Affairs Liaison Updates, September 11, 2017)

Infrastructure Impacts						
State/Tribe	Air	Ports	Public Transit	Roads	Fuel/Gas	Water
USVI	Closed: 4 Emergency only: 1 No ATC: 1	3 open with restrictions All others open	All closed due to power outage	St. Thomas and St. John: Damage assessments delayed, major damage on coastal roads St. Croix: Minimal damage	Normal supply chain operational; 4 gas stations open on generators	341,514 without water
PR	Open: San Juan	3 open with restrictions All others open	Ferry: Relief only Rail: Tren Urbano closed Bus: Open dawn to dusk	All interstates/major road open	Not Reported	337,995 (-242,005) without water
FL	Closed: 11 Emergency only: 4 No ATC: 1	All closed	Rail: No service Other: Suspensions in 9 counties	Closed: US-1 Key Largo, Port of Miami Tunnel, Courtney Campbell Causeway, Sunshine Skyway Bridge, Bridge of Lions, Bryan Grady Patton/Big Bend Scenic Byway	Not Reported	Not Reported
Seminole Tribe	N/A	N/A	N/A	Not Reported	Not Reported	Boil water notice
GA	All open	All closed	Rail: no service 4 public transit systems assisting evacuation	Sidney Lanier Bridge (SR 25) and Talmadge Memorial Bridge (US 17) closed I-75 contraflow Northbound	Not Reported	Not Reported
NC	All open	All Open	Rail: CSX Rail closing along I-95 corridor	Not reported	Not Reported	Not Reported
SC	All open	All Open	Rail: Closed	Not reported	Not Reported	Not Reported
AL	All open	All open with restrictions	Not Reported	Not Reported	Not Reported	Not Reported

As of: 3:41 a.m. 1:53 a.m. 1:30 a.m. 3:41 a.m. 3:09 a.m.
(ESF-1, USCG, RII, RIV, ESF-12, Tribal Affairs Liaison, DOE SitRep Updates, September 11, 2017)

Power Outages

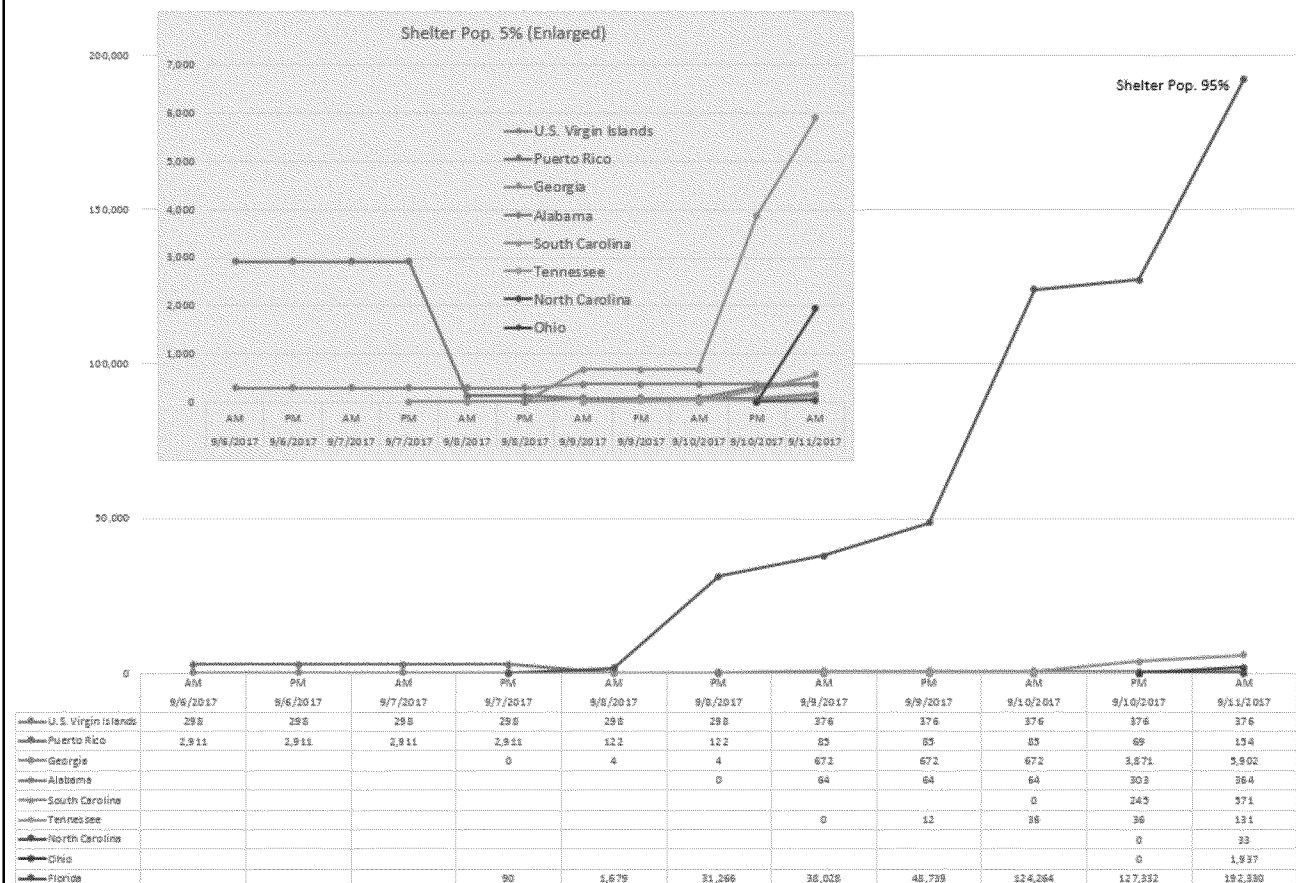
Total: 5,456,161 (+3,215,975)



Shelter Population

Total: 201,798 (+69,811)

(ARC, September 11, 2017, 4:30 a.m.)



Declaration Activity:

State/Region	Declaration	Declared Counties	
Region II		IA	PA
U.S. Virgin Islands	9/7: DR-4335	St. Thomas; St. John	All
Puerto Rico	9/10: DR-4336	2 counties	2
Region IV		IA	PA
Florida	9/10: DR-4337	9 counties	All (67 counties)
South Carolina	9/7: EM-3386	-	All (46 counties and Catawba Indian Nation)
Georgia	9/7: EM-3387	-	63 counties
Seminole Tribe of Florida	9/8: EM-3388	-	Whole Tribe

(FEMA, Email, Amendment No. 1 to FEMA-3387-EM for Georgia, September 10, 2017 7:22 p.m.)

- ☐ FEMA amended the emergency declaration for GA, FEMA-3387-EM, adds 63 counties for debris removal and emergency protective measures under the Public Assistance program (FEMA, Email, Amendment No. 1 to FEMA-3387-EM for Georgia, September 10, 2017 7:22 p.m.)

Federal Force Laydown:

Department/Agency	Personnel Deployed	Department/Agency	Personnel Deployed
FEMA – Deployed	1,786 (+131)	National Weather Service- NOAA	343 (0)
FEMA – Other Support	533 (+6)	National Guard	17,398 (+6289)
Urban Search & Rescue	1,346 (0)	DOD – Title 10	7,834 (+4227)
Health and Human Services	852 (+183)	General Services Administration	18 (+10)
Department of Transportation	25 (0)	U.S. Army Corps of Engineers	239 (+73)
United States Coast Guard	520 (-247)	Department of the Interior	207 (+115)
DHS – NPPD	53 (-27)	USDA - U.S. Forest Service	50 (+9)
Department of Energy	21 (-2)	Small Business Administration (SBA)*	0 (0)
US Department of Agriculture	9 (+1)	Transportation Security Administration*	107 (+93)
Law Enforcement (ESF 13)	668 (+471)	Housing and Urban Development*	0 (0)
Customs and Border Protection	372 (0)	Department of State	19 (+19)
Civil Air Patrol	107 (0)	Environmental Protective Agency (EPA)	142 (0)
Immigration and Customs Enforcement*	0 (0)	Emergency Management Assistance Compact	4,131 (+4,120)
		Total	32,660 (+11351)

*Number of Personnel Unknown/Not Reported

(Situational Awareness Info Analysis, September 11, 2017 4:07 a.m. EDT)

FEMA Headquarters:

☐ Recovery

State/Territory	Total Individual Assistance Registrations	% of Projected Total Registrations	% of Total Households in Disaster Area
U.S. Virgin Islands	452	3.5%	1.0%
Puerto Rico	237	11.9%	3.6%
Florida	1,583	0.2%	0.06%

- Surge staffing continues for FEMA's Strategic Workforce Augmentation Team (SWAT) taking calls from three NPSCs, FEMA pop-up call centers, Headquarters, all FEMA Regions, and from home; 4,506 call center agents are expected to be online today (Recovery Contact Center Surge Staffing Timeline, September 10, 2017, 11:30 a.m. EDT)

☐ Federal Insurance and Mitigation Administration

- Flood insurance: Policies in Force in projected path of Irma: Approximately 2.3M (FIMA Update, September 10, 2017, 2:13 p.m. EDT)

☐ Mutual Aid

Region	Jurisdiction	# of Request(s)	# of States Supporting
II	USVI	2	1
IV	FL	104 (+12)	26
IV	GA	2	1
IV	SC	0	2

(EMAC SitRep #34, September 11, 2017, 1:00 a.m. EDT)

FEMA Region II:

- ☐ RRCC at Level I (Full Activation) day shift, Level II (Partial Activation) night shift with ESF 1,3,6, 8,12,13,& 15 *(Region II Sit Rep, September 10, 2017, 9:00 a.m. EDT)*
- ☐ FEMA Region II IMAT locations:
 - Region II IMAT-A in St. Croix; Region II IMAT-B in St. Thomas and PR; Region II IMAT-C in PR
 - Region X IMAT: San Juan, PR *(Region II Sit Rep, September 10, 2017, 9:00 a.m. EDT)*
- ☐ **U.S. Virgin Islands**
 - EOC at Full Activation, state of emergency declared and National Guard activated
 - *(Region II Sit Rep, September 9, 2017, 5:00 p.m. EDT)*
- ☐ **Puerto Rico**
 - EOC at Level IV (Full Activation); state of emergency declared and National Guard activated *(Region II Sit Rep, September 10, 2017, 9:00 a.m. EDT)*

FEMA Region IV:

- ☐ RRCC at Level I (Full Activation) *(Region IV Daily Sit Rep., September 10, 2017, 1:30 p.m. EDT)*
- ☐ HQ National Tribal Affairs Advisor on site at RIV RRCC *(Tribal Liaison, September 10, 2017, 2:00 p.m. EDT)*
- ☐ Region III IMAT arriving at AL EOC *(Daily Ops Brief, September 10, 2017, 8:30 a.m. EDT)*
- ☐ Region IV IMAT-1 at FL EOC and Region IV IMAT-2 at SC EOC
- ☐ Region IV Liaison Officers at FL, SC, GA, NC, AL, and Seminole Tribe EOCs (1 each) *(FEMA Daily Ops Brief, September 10, 2017, 8:30 a.m. EDT)*
- ☐ **Florida**
 - EOC at Level I (Full Activation) *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*
 - State of Emergency declared for 67 counties *(FL Department, September 5, 2017, 7:44 p.m. EDT)*
 - FEMA Initial Operating Facility operational in Tallahassee *(Region IV Update, September 10, 2017, 2:00 p.m. EDT)*
- ☐ **Seminole Tribe of Florida:** EOC at Full Activation (24/7, all ESFs) *(FEMA Tribal Liaison Update, September 10, 2017, 3:00 p.m. EDT)*
 - Seminole Tribe has multiple reservation areas throughout FL that are non-contiguous; four reservations are in the direct path of Irma: Big Cypress, Hollywood, Immokalee, and Tampa *(Tribal Liaison, September 9, 2017, 1:44 p.m. EDT)*
- ☐ **Miccosukee Tribe:** Two EOCs at Full Activation *(Tribal Liaison, September 10, 2017, 3:32 p.m. EDT)*
- ☐ **Georgia:** EOC at Level I (Full Activation) *(FEMA NWC, September 10, 2017, 12:48 p.m. EDT)*
- ☐ **Alabama:** EOC a Level I (Full Activation). Governor issued state of emergency September 8 and activated AL National Guard *(Daily Ops Brief, September 10, 2017, 8:30 a.m. EDT)*
- ☐ **North Carolina:** EOC at Level I (Full Activation) *(FEMA NWC, September 10, 2017, 12:48 p.m. EDT)*
- ☐ **South Carolina:** EOC at OPCON 1 (Full Activation) *(FEMA NWC, September 10, 2017, 12:48 p.m. EDT)*

Interagency Coordination/Response:

- ☐ **ESF-1: Transportation**
 - USVI/PR:
 - ☐ St. Thomas, road damage is difficult to fully assess due to downed power lines and fallen trees; USVI Power Authority (WAPA) is working to remove/reestablish poles/lines; in St. John, major damage on coastal roads; ferry service from St Thomas to St John has not yet been reopened, so St. John situation has not been confirmed *(ESF-1 Update, September 10, 2017, 11:35 p.m. EDT)*
 - ☐ Special Notice to Airmen (NOTAM) for St. Thomas is in effect for the Contingency Ramp at King Airport through September 20, 2017, requiring all military and civilian flight operations to contact the Irma Flight Operations Coordination Center to obtain a ground reservation prior to departure; no fuel services are available *(FAA Update, September 10, 9:56 p.m. EDT)*
 - ☐ DHS waived Merchant Marine Act of 1920 ("Jones Act") allowing international vessels to dock at American seaports; acting DHS Secretary approved request effective through September 14 *(ESF-1 Update, September 10, 2017, 12:59 p.m. EDT)*

- CONUS:
 - Four Airspace Coordination Areas are in effect through September 20, 2017 in northern FL, southern FL, southern GA, and the FL panhandle and southern AL; open FL airports may have limited or no Air Traffic Control service *(FAA Update, September 10, 9:56 p.m. EDT)*
 - Requests for Federal Rail Administration to open the emergency relief docket for emergency waiver requests are anticipated once the storm passes *(ESF-1 Update, September 10, 2017, 11:30 a.m. EDT)*
- **ESF-2: Communications**
 - Federal Communications Commission activated the Disaster Information Reporting System for all counties in Florida, Puerto Rico and the US Virgin Islands; data being received for PR/VI; FL outage reporting begin September 11, 2017 *(ESF-2 Update, September 11, 2017, 12:01 a.m. EDT)*
 - USVI/PR:
 - Maynard Mobile Emergency Response Support (MERS) airlift from Westover Air Force Base, MA to St. Thomas is underway; two C-17 landed in St. Thomas, one diverted to McGuire AFB, estimated to arrive in St. Thomas September 11, 2017, at 5:30 a.m. EDT
 - MERS assets and personnel will support US&R teams, NDMS, and IMATs with land mobile radio capability so teams can communicate in the absence of local cellular and phone infrastructure *(ESF-2 Update, September 11, 2017, 12:12 a.m. EDT)*
 - FEMA accepted an offer from United States Secret Service on September 10 for 500 public safety radios; the MERS Electronic Maintenance Shop will process the radios and ship to the teams engaged in Regions II and IV, as appropriate *(ESF-2 Update, September 10, 2017, 11:58 a.m. EDT)*
 - The focus for telecommunications industry in St. Thomas and St. John is restoration of the broadband network and towers; repairs are currently underway *(ESF-2 Update, September 9, 2017, 2:13 p.m. EDT)*
 - Cell tower status (voluntary reporting, the same towers do not report everyday): 77.5% lost in St. Croix; 100% outages in St. John; 60% outages in St. Thomas outages 60%; minimal outages in PR *(ESF-2 Update, September 11, 2017, 12:01 a.m. EDT)*
 - CONUS:
 - DHS Government Emergency Telecommunication System(GETS)/Wireless Priority Service fully functional; DHS Office of Emergency Communications issued an Emergency GETS Card PIN # to share among all First Responders to maximize use of wireline priority services when normal phone calls are not going through congested networks; the card will be active until October 6th *(ESF-2 Update, September 10, 2017, 2:58 p.m. EDT)*
 - MERS and Mobile Communications Office Vehicle assets assigned to support FEMA IMAT, US&R, ESF-8 NDMS, and Incident Staging Base teams on site in FL, GA, and SC arrived and are waiting for the storm to pass to identify gaps *(ESF-2 Update, September 10, 2017, 1:20 p.m. EDT)*
- **ESF-3: Public Works and Engineering**
 - USVI
 - US Army Corps of Engineers (USACE) preparing to support Temporary Housing requirements; preliminary assessments indicate over 90% of 50,000 structures on St. Thomas and St. John had damage *(ESF-3 Update, September 10, 2017, 9:28 a.m. EDT)*
 - Generator Pre-Installation Inspection Teams in St. Thomas, where most of the emergency temporary power needs are *(ESF-3 Update, September 11, 2017, 1:33 a.m. EDT)*
 - Assessments of critical facilities initiated in St. Thomas *(ESF-3 Update, September 11, 2017, 3:34 a.m. EDT)*
 - PR
 - 5 Debris subject matter experts (SMEs) assisting PR with the development of debris management & removal plan; 350,000 cubic yards of debris has been identified to be cleared *(ESF-3 Sit Rep, September 10, 2017, 9:13 a.m. EDT)*
 - Hydro survey operations ongoing where water conditions permit due to Hurricane Jose *(ESF-3 Update, September 10, 11:31 a.m. EDT)*
 - An Infrastructure Assessment SME is engaged with FEMA and EPA to provide technical assistance regarding water/wastewater infrastructure. Deployment date is still unknown *(ESF-3 Update, September 10, 11:29 a.m. EDT)*
 - FL
 - USACE ready to remove estimates of nearly 30 million cubic yards of debris and provide nearly 30,000 homes requiring temporary roof support *(ESF-3 Update, September 11, 2017, 3:45 a.m. EDT)*

- \$30M Direct Federal Assistance Temp Roofing mission assignment in place; activating Temporary Roofing Planning and Response Teams (PRTs) and Advanced Contract Initiative (ACI) contractors
- Debris Planning and Response Team (PRT) and ACI (Advanced Contract Initiative), Ashbritt, collaborating with Florida Department of Transportation to prioritize routes for emergency clearance to critical facilities and temporary shelters *(ESF-3 Update, September 11, 2017, 1:33 a.m. EDT)*
- GA: Power team in place to provide temporary power via generators; additional power team on alert *(ESF-3 Update, September 10, 2017, 11:00 a.m. EDT)*
- **ESF-4: Firefighting**
 - FL: Coordinating request to assist the Seminole Nation to provide 300 radios and one communications technician; request currently in process and has not been fulfilled *(ESF-4 Update, September 10, 2017, 11:30 p.m. EDT)*
 - GA: Coordinating request for an Incident Management Team (IMT) to preposition in GA to manage search and rescue teams, and for an IMT to preposition in GA to manage saw crews for emergency road clearance *(ESF-4 Update, September 10, 2017, 11:30 p.m. EDT)*
- **ESF-5: Information and Planning**
 - Initial estimates of structures with damages due to wind from modeling-based assessments identified 430,000+ structures in PR and 16,000+ structures in USVI exposed to hurricane force winds; all structures in St. Thomas estimated to be exposed to Category 4+ winds, and nearly all structures in St. John estimated to be exposed to Category 5 winds *(FEMA GIS Spot Report, September 10, 2017, 1:00 a.m. EDT)*
 - Civil Air Patrol: 2 aircraft, 22 personnel, 3 imaging sorties completed over USVI, images uploaded to FEMA site *(CAP Update, September 10, 2017 7:57 p.m.)*
- **ESF-6: Mass Care, Emergency Assistance, Housing, and Human Services**
 - USVI: Salvation Army transporting 4 generators to St. Thomas, via barge expected to arrive on 9/15
 - FL:
 - ESF-6 is actively working acquisition package and funding requirements for Personal Assistance Services.
 - ESF-6 projects possible shortfalls in shelter staffing and the ability to sustain long term feeding mission. To address these shortfalls, ESF-6 is identifying contingency staffing contracts
 - Salvation Army: 52 canteens (78,000 meals) to arrive by September 13 with 23 (34,500 meals) canteens on standby from other states
 - GA: Salvation Army supporting feeding at 18 locations in GA; capacity: 25,500 meals per day
 - AL: Salvation Army supporting feeding at two locations (Selma and Dothan); capacity: 43,500 meals per day *(ESF-6 Update, September 11, 2017, 3:56 a.m. EDT)*
- **ESF-7: Logistics Management and Resource Support**
 - USVI:
 - 210,294 meals and 115,200 liters of water currently pre-positioned
 - Additional commodities in NJ to support USVI/PR: 252,720 meals and 1,570,656 liters of water *(ESF-7 update, September 11, 2017, 1:00 a.m. EDT)*
 - Maritime Sea Bridge timelines extended because of projected storm activity; revised timelines are:
 - 1.68M liters of water, 10,000 cots, and 31 generators on Conquistador barge will depart from Pennsauken, NJ on 9/11, arrival in San Juan estimated for 9/18
 - 903,000 meals, 23 GSA vehicles, and an MCOV being shipped on SS Wright, estimated arrival in St. Thomas on September 19, 2017; ship has 325 berthing units and will be used for responder lodging *(ESF-7 email update, September 11, 2017, 10:49 p.m. EDT)*
 - Third sea bridge is inter-island, moving commodities from the distribution center in Puerto Rico to St. Thomas and St. Croix
 - Air Bridges are operational and not expected to be impacted by storm activity.
 - Passenger air bridge: mission assignment in effect for Department of Defense airplanes to move federal responders and their vehicles to San Juan
 - Commodity air bridge: a Boeing 767 plane flying meals daily from Houston to San Juan; each trip brings 90,000 meals, 270,000 meals delivered to date; expecting eight more trips over the next four days *(ESF-7 update, September 10, 2017, 12:30 p.m. EDT)*

- PR:
 - 3,600 liters of water transferred to the territory
 - 289,000 meals, 532,000 liters of water, and 70 generators currently pre-positioned
- CONUS:
 - 408,241 meals and 294,456 liters of water transferred to FL
 - 584,136 meals, 382,542 liters of water, and 110 generators currently pre-positioned
 - The following commodities are available to move to Florida if needed:
 - AL: 8,296,569 meals, 10,713,321 liters of water, and 45 generators
 - NC: 866,954 meals, 2,289,121 liters of water, and 87 generators
 - Transferred 628,416 meals and 912,624 liters of water to GA *(ESF-7 update, September 11, 2017, 1:00 a.m. EDT)*
- No Incident Support Bases (ISB) or Federal Staging Areas are noted as at risk
- Pre-positioning commodities from the ISB Randolph, TX to Fort Bragg NC, North Field, SC, and Forest Park, GA staging areas; on track to move between 9/11 and 9/13 until it is safe to move into FL
- No known shortfalls for availability of and delivering durable medical equipment and consumable medical supplies resources *(ESF-7 update, September 10, 2017, 12:30 p.m. EDT)*
- Federal buildings closed on September 10: FL - 413 (all), GA - 13, USVI - 2 *(GSA update, September 11, 2017, 13:00 p.m. EDT)*
- **ESF-8: Public Health and Medical Services**
 - USVI and PR: 3 Disaster Medical Assistance Teams (DMAT), 1 Incident Response Coordination Team (IRCT), and 1 Health and Medical Task Force (HMTF) are supporting operations *(ESF-8 Update, September 10, 2017, 1:39 a.m. EDT)*
 - FL:
 - Over 300 additional personnel arrived with 100 more en route; 6 DMATs, 1 Service Access Team (SAT), 1 IRCT Forward, 1 Disaster Mortuary Operational Response Assessment Team (DMORT), and 1 Mobilization Team (MOB), and 1 Rapid Deployment Force are in Orlando, FL *(ESF-8 Update, September 11, 2017, 23:57 p.m. EDT)*
 - FL reported dialysis patients were treated at open dialysis centers pre-storm in preparation for closures *(ESF-8 Update, September 10, 2017, 3:35 p.m. EDT)*
 - 9 Medical Reserve Corps have been activated to offer functional needs support to patients at an evacuation staging area, support health/medical services in shelters, water distribution services, and other general needs *(ESF-8 Update, September 10, 2017, 3:19 p.m. EDT)*
 - GA: 1 IRCT in Valdosta *(ESF-8 Update, September 10, 2017, 1:00 a.m. EDT)*
- **ESF-9: Search and Rescue**
 - US&R coordinating contingency plans with Regions II, III, and IV
 - USVI/PR:
 - Red Incident Support Team (IST) is activated staging in St. Augustine, FL, assisting PR and USVI
 - IST-Advance element and VA-TF2 are operational in PR
 - Two additional Type 1 task forces and five Mission Ready Packages deployed to USVI
 - USCG Sector San Juan is investigating the feasibility for cruise ships to evacuate stranded vacationers from St. Thomas; blanket permission granted to conduct over flights of Bahamas
 - CONUS:
 - Twelve task forces and three Hazardous Materials Equipment Push Packages staged in FL or GA; all 12 task forces have an embedded Type 1 Swiftwater Rescue Team
 - USCG forces are positioned as closely as is safely possible to enable post-storm response & support for the State of FL, with helicopter-equipped cutters coming in from both behind Irma and from the north *(ESF-9 Update, September 10, 2017 3:37 p.m. EDT)*
 - USCG has 34 operational aircraft across FL, PR, GA, AL, and LA. The USCG has 44 operational cutters operating in the FL and Caribbean areas. USCG has 74 operational small boats in FL and PR *(ESF-9 Update, September 10, 2017, 2:45 p.m. EDT)*

□ **ESF-10: Oil and Hazardous Materials Response**

○ USVI/PR

- EPA sent two on-scene coordinators to PR, additional employees are expected to continue to deploy from Edison, NJ; Federal On-Scene Coordinator (OSC) conducted assessments of two active Superfund sites and reports both under control (*ESF-10 Update, September 10, 2017, 2:17 p.m. EDT*)
- USCG Captain of the Port San Juan transiting to St. Thomas September 11, 2017, to oversee commencement of ESF-10 salvage operations for approximately 1,000 recreational boats/related fuel discharges; USCG, private salvage, U.S. Army Corps of Engineers, and US Navy assets assisting

○ CONUS

- Pipeline industry shut down operations affecting Miami Int'l Airport, Fort Lauderdale Airport, Orlando Int'l Airport, and Tampa Int'l Airport
- USDOT Pipeline and Hazardous Materials Safety Administration status updates for five high-risk companies: AmeriGas and Airgas report FL operations have shut down; Matheson reports Miami location shut down, with status pending for other locations; Univar will shut down and secure FL facilities; no update from Ferrell Gas
- Kinder Morgan suspended operations of several compressor stations in GA and FL; suspended service will not significantly disrupt operations of the 7,000-mile long Southern Natural Gas pipeline system, which delivers natural gas to LA, MS, AL, FL, GA, SC, and TN (*ESF-1 Update, September 10, 2017, 11:49 p.m. EDT*)
- Crystal River, a decommissioning nuclear power plant, has "hot" fuel on site in cooling ponds; FEMA does not anticipate an issue, but is monitoring the situation with the Nuclear Regulatory Commission (*FEMA Technical Hazards Division Update, September 10, 2017, 9:30 a.m. EDT*)
- USCG has 47 National Strike Force personnel deployed and staged in Opa Locka, FL and Mobile, AL to conduct post-storm hazmat assessments with support from other locations (*ESF-10 Update, September 10, 2017, 2:17 p.m. EDT*)

□ **ESF-11: Agriculture and Natural Resources**

○ USVI:

- GreaterGood.org/Rescue Bank donated pet food and pet supplies to support commodity distribution and pet sheltering operations; initial supply in Puerto Rico; additional food and supplies available to ship to USVI (*ESF-11 SitRep Email, Situation Report, September 10, 11:34 p.m. EDT*)
- St. Thomas Humane Society requested pet assessment teams (immediate priority), pet sheltering teams, and pet food/supplies to meet pet support needs

- CONUS: National Animal Rescue and Sheltering Coalition assets are staged in and around FL prepared to support both Florida and Georgia with animal assessment teams, animal search and rescue teams, animal transport teams, and animal sheltering teams (*ESF-11 SitRep Email, Situation Report, September 10, 3:15 p.m.*)

□ **ESF-12: Energy**

○ USVI

- Generator Mission: St. Thomas airport and hotel were energized Sunday afternoon
- Restoration Planning: Department of Energy and FEMA are coordinating with USVI Water and Power Authority to identify requirements to restore power (*ESF-12 SitRep September 10, 2017, 4:00 p.m. EDT*)

○ FL

- Restoration will focus first on power plants, damaged transmission lines and substations, followed by critical facilities such as hospitals, emergency services, communications, and water treatment plants; residential restoration will be prioritized for areas with the largest number of customers (*Source: Florida Light and Power, September 10, 2017, 11:30 p.m. EDT*)
- Timelines: Within the first 48 hours, damage assessments and field assessments should be completed providing county-specific restoration estimates; temporary power missions will begin as soon as debris is cleared from major supply routes; debris clearance begins as soon as winds drop below 35 mph (*Source: Florida Light and Power, September 10, 2017, 11:30 p.m. EDT*)
- About 17,000 mutual aid restoration personnel from over 30 states available to support (*ESF-12 SitRep September 10, 2017, 4:00 p.m. EDT*)
- Turkey Point Units 3 and 4 are under "hot shutdown" to allow unit to be up and running within several hours. Unit 3 will be assessed for restart September 11; no schedule for restart yet for Unit 4 due to non-emergency valve malfunction (*ESF-12 Update, September 11, 2017, 2:00 a.m. EDT*)

- Hatch and Farley nuclear plants have started preparatory safety procedures for potential storm impact; all units remain at 100% power *(ESF-12 SitRep September 10, 2017, 4:00 p.m. EDT)*
- **ESF-13: Public Safety and Security**
 - USVI/PR: Four Quick Response Teams deployed in support of ESF-8 and ESF-9 operations in Puerto Rico and USVI *(ESF-13 Update, September 10, 2017, 12:24 p.m. EDT)*
 - CONUS
 - Moody Law Enforcement Responder Camp is operational
 - A total of 14 QRTs are currently at Moody Air Force Base; five additional QRTs will arrive by September 12 *(ESF-13 Update, September 10, 2017, 8:53 p.m. EDT)*
 - 14 additional QRTs are on standby to be deployed to support operations if needed *(ESF-13 Update, September 10, 2017, 8:53 p.m. EDT)*
 - ESF-13 FST deployed a logistics team to Orlando, FL to establish a Forward Operating Base at or near ESF-8 and ESF-9 forward deployed assets *(ESF-13, September 10, 2017, 10:07 a.m. EDT)*
- **ESF-15: External Affairs**
 - NBOEC connected Royal Caribbean Cruises with the U.S. Coast Guard to coordinate the delivery of provisions to Key West; assisting FedEx with a contact at the Grand Turk for a medevac; and connecting General Electric with Regions IV and VI for generators
 - Fortune 500 companies assessing how they can either amplify messaging or assist in response effort for USVI including Coca Cola, McDonalds, GE and Home Depot. Shared disaster messaging and safety tips through NFL Players Association, MLB, and NBA *(ESF-15 Liaison, September 10, 2017, 10:53 p.m. EDT)*
- **U.S. Coast Guard**
 - USVI
 - USCG: 53 lives saved and assisted *(USCG Update, September 11, 2017, 2:00 a.m. EDT)*
 - Seven USCG rescued at sea and 43 MEDEVAC'd by U.S. Navy *(USCG Update, September 11, 2017, 2:00 a.m. EDT)*
 - USCG Sector San Juan is fully mission capable with assets operating normally
 - Coast Guard Cutter Valiant arrived in St. Thomas on September 10 to serve as a USCG base of operations
 - USCG continues to coordinate helicopter and boat transport of personnel to St. Thomas for damage assessment and response needs. A USCG liaison officer arrived on the USS Kearsarge on September 9 to integrate USCG operations with Department of Defense air, surface and logistics efforts in PR/USVI
 - Search and rescue communications (Rescue 21) antennae on Ramrod Key and Islamorada are inoperable
 - CONUS: Congressional overflight scheduled for September 11; flight departing from Elizabeth City, NJ south toward FL Keys *(USCG Update, September 11, 2017, 2:00 a.m. EDT)*
- **U.S. Department of Defense (DoD)**
 - The USS Iwo Jima, USS New York, and USS Abraham Lincoln positioned off the northeastern coast of Florida. USS Iwo Jima expects to be off the Florida Keys on September 12, depending on weather avoidance actions *(DoD Update September 11, 2017 1:53 a.m.)*
 - The air bridge for Puerto Rico and Virgin Islands has been enhanced, increasing the ability to provide commodity and medical support *(DoD Update September 11, 2017 1:53 a.m.)*
 - US Army is prepositioning 100 High Water Trucks in order to rapidly support the Florida National Guard requirements after Hurricane Irma passes
 - USS Oak Hill and USS Kearsarge on station and supporting relief operations in USVI *(DoD Update, September 10, 2017, 1:54 p.m. EDT)*
 - Pursuing solutions to provide a temporary ground medical treatment facility on St. Thomas, USVI to augment the damaged hospital as a 24-72 hour holding facility until patients can be transported via the airport
 - US Southern Command (USSOUTHCOM): Secretary of Defense cleared USAID/OFDA request for DOD support to provide Humanitarian Assistance to the affected population in Saint Maarten as a result of damage caused by Hurricane Irma. *(DoD Update September 11, 2017 1:53 a.m.)*

- US Transportations Command (USTRANSCOM): USNORTHCOM and USTRANSCOM are moving an Army Medical Support Company, 2 Critical Care Air Transport (CCAT) teams and the En Route Casualty Care System (ERPSS)-10 from St. Croix to St. Thomas to establish temporary medical facilities. An MA for sourcing surgical capability is anticipated to enhance the ability to provide temporary medical support services *(DoD Update September 11, 2017 1:53 a.m.)*
- Defense Logistics Agency (DLA):
 - Received Distribution Order (DO) to move 70,000 gals of motor fuel and 160,000 gals of diesel from Fort Hood, TX to Robins AFB, GA. *(DoD Update September 11, 2017 1:53 a.m.)*
 - 31 generators delivered to Lakehurst, NJ and 11 high-end generators (1-2 megawatts) delivered to Groveland, FL in support of Hurricane Irma
 - Increased meal delivery mission assignment to \$159M to include meals-ready-to-eat (MREs) and shelf-stable meals
 - Continuing to divert remaining meals dedicated for Harvey to Maxwell AFB, AL in support of Irma
 - Delivering 1.2M commercial meals daily to Ellenwood, GA from September 11 to 20, 2017
 - Providing 5M meals-ready-to-eat to North Field, SC *(DoD Update, September 10, 2017, 1:54 p.m. EDT)*
 - Delivered 300K gallons of motor gasoline and diesel at Robbin AFB, GA on September 9; receiving requirements to issue fuel to first responders and agencies *(DoD Update, September 10, 2017, 1:54 p.m. EDT)*
- **National Guard**
 - USVI:
 - Air Evacuations operations ongoing for approximately 500 US Citizens from St. Maarten, USVI to PR *(CGE Briefing 10 September 4:00 p.m.)*
 - Virgin Islands National Guard (VING) providing care, sheltering, and presence patrols for relief and security. Both airfields are open to military and relief aircraft
 - Air National Guard personnel evacuating civilians from St. Maarten, and PR is preparing for 600 evacuees from St. Maarten
 - Joint Engagement Team (JET) personnel have arrived to assist VING
 - Moved 40 personnel of the Quick Reaction Forces (QRF) to St. Thomas to assist local police departments
 - Supporting St. Croix with 30 personnel in an unarmed QRF
 - PR
 - Puerto Rico National Guard conducting post storm damage assessments, reporting no new unmet requirements the last 12 hours. They are continuing damage assessments and cleanup operations
 - An estimated 1,200 citizens evacuated in the last 24 hours
 - FL:
 - Three brigade-sized Joint Task Forces (JTF) are postured to protect the forces and immediately respond post Irma landfall, two are expected to arrive in the next 24 hours, and the third in the next 48 hours. National Guard (NG) is coordinating an EMAC force flow plan for Division, Brigade, and Battalion headquarters. Current priorities are support for shelters and evacuations throughout the state and ensuring Joint Task Force- Florida personnel and equipment are protected
 - In the process of completing reception, staging, onward movement and integration (RSOI) for South Carolina and Alabama Battalions. South Carolina Battalions will assist with transport, and will remain on standby to assist local authorities after impact. Alabama Battalions consist of a Military Police Battalion and a Chemical Battalion
 - 193 shelters are open currently all by guard elements, some in response to the westerly track shift of Irma *(NGB Update, September 10, 2017, 12:29 p.m. EDT)*
- **U.S. Department of the Interior (DOI)**
 - USVI/PR
 - The visitor's center at Virgin Islands National Park has become focal point for communications (satellite phones) and the call-center for island
 - U.S. Geological Survey: five stream gages in Puerto Rico have been damaged or destroyed
 - CONUS
 - All National Parks in Florida are closed; 10 National Parks in Georgia are closed

- US Fish and Wildlife Service (FWS) reports 72 stations closed at this time, 56 of which are due to Hurricane Irma; four Heavy Equipment Task Forces mobilized for clearing roads and debris for access
- Two Special Operations Response Teams in FL; the Loxahatchee National Wildlife Refuge (NWR) and the Ding Darling NWR requested their assistance with post-storm damages
- Bureau of Indian Affairs
 - Seminole Tribe: The tribe has completed their emergency protective measures; the Tribe has requested BIA Law Enforcement support through FEMA
 - Indian Health Service: Readied cots, blankets, chain saw, generators and de-watering pumps equipment requested by the Miccosukee Tribe
 - US Army Corps of Engineers Jacksonville District, acting on its own authority (PL 84-99), is provided unwatering pumps to the Miccosukee Tribe *(Source: DOI Update, September 11, 2017, 00:09 a.m. EDT)*
- **U.S. Department of State (DoS)**
 - DoS Hurricane Response Task Force is tracking at least 1,450 evacuees to date from St. Maarten by air and 317 evacuees by ship; an estimated 1,000 U.S. citizens still require assistance *(DoS Update, September 11, 2017, 12:45 a.m. EDT)*
- **U.S. Customs and Border Protection(CBP)**
 - USVI/PR
 - The CBP Air-Marine Branch has conducted 24 missions with 19.5 hours in flight for SAR (3 lives saved to date). CBP assets including two Black Hawk Helicopters, one A-Star Helicopter, and ten Air-Marine Flight Crew Personnel continue to conduct SAR, transport, and reconnaissance missions in the USVI and PR
 - A P3 Airplane transporting 15 Border Patrol Special Operations Search and Rescue / Medical Personnel to Puerto Rico from McAllen, TX arrived on September 10 in Puerto Rico
 - Eight United States Border Patrol Agents arrived in the USVI September 10, 2017, to assist with relief and recovery efforts *(CBP update, September 11, 2017, 3:20 a.m. EDT)*
 - CBP deployed 25 Special Response Team operators, arrived to Eglin AFB, FL September 10 support ESF-1 *(CBP Force Laydown Update, September 10, 2017, 11:15 a.m. EDT) (CBP update-verbal, September 11, 2017, 5:22 a.m. EDT)*

Commodities Table

The following commodities are prepositioned in support of the incident.

Virgin Islands	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Meal	1,687,296	1,427,518	210,924	210,924
Water	1,164,418	1,219,800	115,200	115,200
Cot	300	8,950	0	0
CUSI	100	84	0	0
Sheeting	28	0	0	0
Puerto Rico	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Meal	1,300,000	0	0	289,000
Water	0	0	0	532,000
Generators	0	35	70	70

Alabama	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Water	27,768,599	3,457,158	11,441,006	10,713,321
Meal	11,453,243	959,562	11,036,764	8,296,569
Tarp	118,248	1,844	110,567	112,707
Blanket	53,676	0	53,676	47,801
Hygiene	50,000	0	50,000	50,000
Sheeting	42,965	1,344	14,981	15,379
Cot	20,385	0	20,984	19,496
Other	500	0	0	0

Generators	205	5	218	45
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Florida	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Meal	1,390,288	17,136	584,136	584,136
Water	1,095,552	35,280	382,542	382,542
CUSI	668	0	0	0
Generators	299	6	110	110

Georgia	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Meal	12,000,000	0	0	0
Fuel	280,000	0	0	0
Generators	30	0	0	0

North Carolina	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Water	3,000,000	148,612	3,168,097	2,289,121
Meal	1,500,000	119,448	1,460,810	866,954
Blanket	40,000	21,947	22,885	0
Tarp	25,000	12,972	12,518	10,656
Other	500	0	0	1
Generators	94	0	83	87
CUSI	0	0	0	11
Cot	0	240	2,149	2,437
THU	0	13	0	0

New Jersey	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Meal	2,386,696	859,248	1,288,872	252,720
Hygiene	20,000	9,496	0	0
Water	16,128	31,104	1,651,296	1,570,656
Cot	10,000	978	9,684	9,684
Other	200	0	0	0
Generators	45	1	1	0

South Carolina	Ordered To FEMA Staging Site	En Route To FEMA Staging Site	Arrived At FEMA Staging Site	Current On Hand at FEMA Staging Site
Meal	9,866,316	415,166	73,536	73,536
Water	1,800,000	1,462,388	296,073	296,073
CUSI	70	0	0	0

The following commodities have been ordered by and shipped to the State or Territory.

Puerto Rico	Ordered To State/Territory	Shipped To State/Territory
Cot	2,150	2,252
Water	3,600	3,600

Virgin Islands	Ordered To State/Territory	Shipped To State/Territory
Meal	500,000	0
Water	500,000	0

Florida	Ordered To State/Territory	Shipped To State/Territory
Meal	3,290,240	408,241
Water	2,367,680	294,456

Georgia	Ordered To State/Territory	Shipped To State/Territory
Meal	602,592	628,416
Blanket	20,000	22,885
Water	957,456	912,624
Tarp	3,004	1,664
Cot	300	864

(ESF 7 Update, September 11, 2017, 12:30 a.m. EDT)



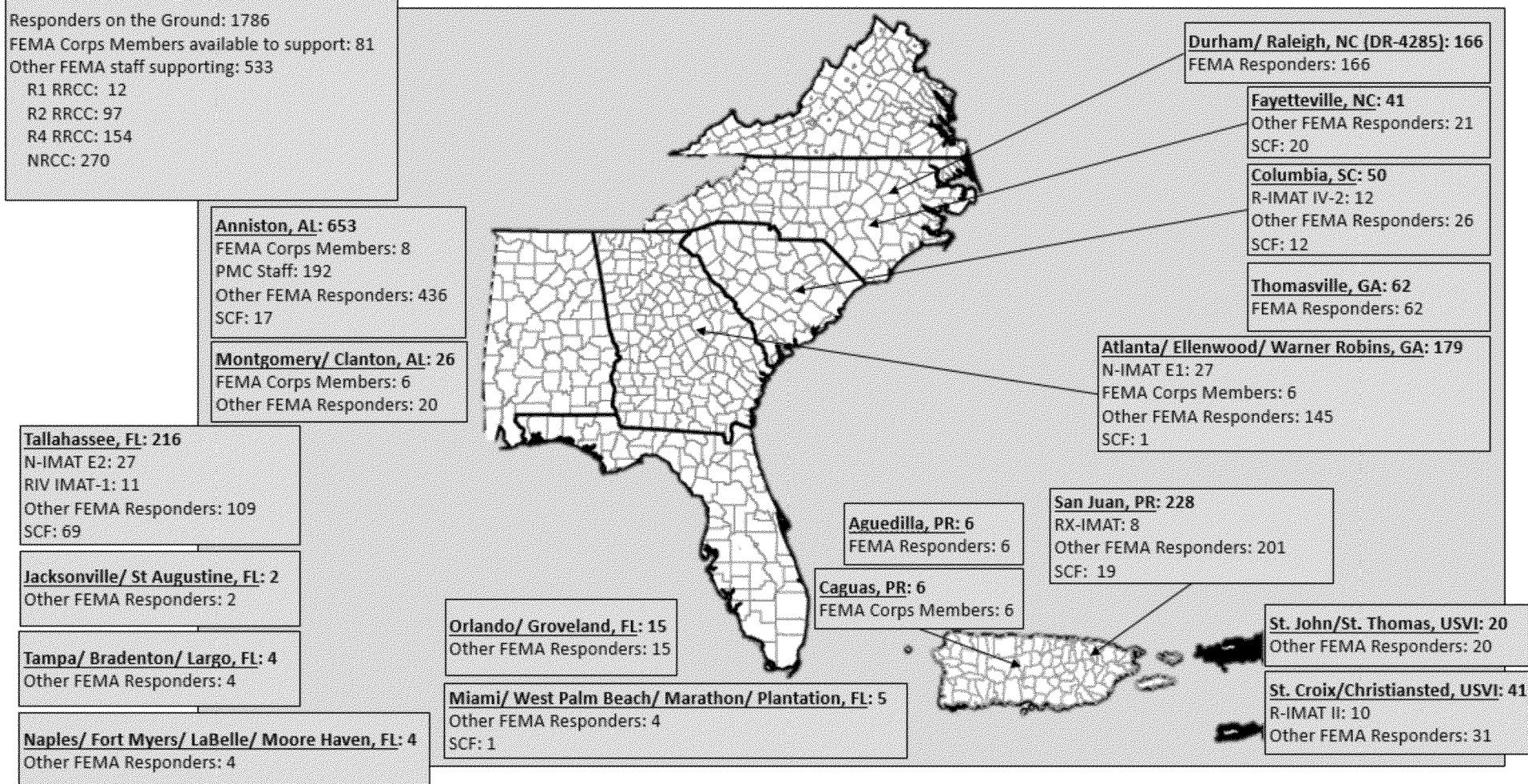
Logistics



Total FEMA Supporting Hurricane Irma Actions

Responders on the Ground: 1786
FEMA Corps Members available to support: 81
Other FEMA staff supporting: 533
R1 RRCC: 12
R2 RRCC: 97
R4 RRCC: 154
NRCC: 270

Hurricane Irma – FEMA Responder Laydown (as of Sep 11, 2017 0200)



Hurricane Irma – Federal Force Laydown & Assets (as of Sep 11, 2017 0500)

GEORGIA USCG: 25 personnel NPPD: PSA (9); CS&C-NCC (1)
FEMA RIV (Atlanta, GA) – RRCC Level I: FEMA: N-IMAT E1 (27); FEMA Corps (6); Responders (145); SCF (1) ESF-8: DMAT (3) ESF-11: 5 personnel US&R: LNO (2) USCG: LNO (2) RRCC, 3 EOC; EMAC: 2 RRCC, 1 EOC TSA: VIPR (14)
Warner Robins: US&R: [Each Team=80] PA-TF1; NV-TF1; WA-TF1; TN-TF1; MD-TF1 [HEPP – 4] USCG: 9 WRFP FP
MCLB Albany: US&R: CO-TF1 (4 - HEPP); CO-TF1 (82); AZ-TF1 (80)
Moody AFB (Valdosta): US&R: [Each Team=80] CA-TF 1 & 4; IN-TF1 (4 - HEPP) ESF-8: IRCT (1) ESF-13: ATF 1-3 (95); USMS (25); DOI-DIG (5); DoED-DIG (10); TIGTA 1 (17); BOP (100); 50 (CBP); FAM 1 (14); DOI 2 (25) USFA: 1 IMT
Savannah: USCG: 15 Helicopters
Thomasville: ESF-2: MCOV (7); MERS (5) FEMA: Responders (62)

ALABAMA USCG: 49 personnel
Mobile: USCG: 6 NSF FP; 3 AB-SKT; 6 Airboats
Montgomery: FEMA: FEMA Corps (6); Responders (20)
Anniston: FEMA: FEMA Corps (8); PMC Staff (189); Responders (313); SCF (3)

FLORIDA
 USCG: 164 personnel NPPD: PSA (16); CS&C-NCC (1)
Tallahassee: FEMA: N-IMAT-E2 (27); RIV-IMAT-1 (11); Responders (109); SCF: (69) EMAC: 4 US&R: LNO (2) USCG: LNO (3) ESF-2: MERS (9); MCOV (2) ESF-11: 2 personnel
 USCG: 13 Shallow water boats
Jacksonville: USCG: 12 WRFP FEMA: Responders (2)
Orlando: US&R: AZ-TF1 (80); CA-TF1 (80); CA-TF4 (90); CO-TF1 (82); CO-TF1 [HEPP – 4]; IN-TF1 [HEPP – 4] FEMA: Responders (15) ESF-2: MERS (16); MCOV (1) ESF-8: IRCT (1); SAT (1); DMAT (6); RDI (1); DMORT (1); MOB (1); ESF-13: BOP Logs 1 (10)
Miami/Marathon/Plantation/West Palm Beach: FEMA: Responders (4); SCF (1) USCG: IMT; NSF (4); 22 Sm boats
St. Augustine: US&R: Red IST (90); IST Grd Support (8)
Valparaiso (Eglin AFB): US&R: [Each Team=80] CA-TF 3 & 8; NE-TF1; NI-TF1 CBP: SRT ESF-1 (25)
Pensacola: ESF-2: MERS (9)
Tampa/Bradenton/Largo: FEMA: Responders (4)
Naples/Fort Meyers/LaBelle/Moore Haven: FEMA: Responders (4)

ISBS & PPS:
 Maxwell AFB, AL (ISB)
 MCLB Albany, GA (ISB)
 Ft. A.P. Hill (ISB)
 Lakehurst/Dix/McGuire (ISB)
 Albany, GA (PPS)
 Valdosta, GA (PPS)
 Thomasville, GA (PPS)
 Maynard, MA (PPS)
 Ft. Bragg, NC (NSA)

PROJECTED ASSETS:
 Mobile Communication
 Office Vehicles (MCOVS):
 10 readied to support R IV

FARMINGTON, WV
 ESF-2: MCOV (1)

FEMA RII (NEW YORK, NY)
 FEMA: RRCC LEVEL II
 USCG: LNO (2) US&R: LNO (2) EMAC: 2
Lakehurst, NJ
 ESF-2: MCOV (1) USFA: 1 IMT

FEMA HQ (WASHINGTON D.C.)
 FEMA: NRCC Level I

VIRGINIA
 USCG: 49 personnel
Winchester: FEMA: FEMA Corps (7)
Norfolk: ESF-8: DMAT (1)
Richmond
 FEMA: RII IMAT-Purple (5); Responders (16)

NORTH CAROLINA
Rocky Mt (IST): ESF-2: MERS (1)
Durham: FEMA: Responders (169)
Fayetteville: FEMA: Responders (21); SCF (20)
Fort Bragg: ESF-1 (DOT): 16

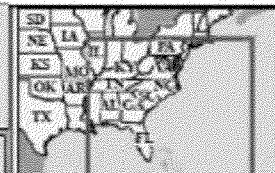
SOUTH CAROLINA
 USCG: 48 personnel NPPD: PSA (1)
Columbia
 FEMA: R-IV IMAT-2 (12); Responders (26); SCF (12) USCG: LNO (1) ESF-2: MERS (4)
 North: ESF-2: MERS (3); MCOV (3)

PUERTO RICO
 FEMA: RX IMAT (8); SCF (19); FEMA Corps (6); FEMA Responders (207) US&R: NY-TF1 (80); VA-TF1 (80); IST Advance (14); CA-TF6 (7); MA-TF1 (7); MA-TF1 (6); MD-TF1 (5); TX-TF1 (8) ESF-2: MERS (4) ESF-8: IRCT (1); DMAT (3) ESF-5: USGS (4) ESF-13: 2x QRTS; 2x PAX; FBI 1-2 (38) ESF-15: Civil Affairs Information Spt. USCG: LNO (1); National Strike Force (7); 3 Helos; 5 Sm boats CBP: Air-Marine Flight Crew Personnel (10)
 DOS: Officers (19) NPPD: PSA (1)

ON USS KEARSARGE ENROUTE TO PR:
 DOD Amphibious Readiness Group (ARG):
 ESF-8: Surgical Team (18)
 ESF-2: MERS (2)
 USCG: LNO (1)

OFF COAST OF PUERTO RICO:
 DOD: USS Wasp (LHD); USS Kearsarge (LHD-3); USS Oak Hill (LSD-51)
 USCG: LNO (1); 8 Cutters; 2 Helos

US VIRGIN ISLANDS
St. John/St. Thomas:
 FEMA: Responders (20) ESF-2: MERS (19) ESF-8: HMTF (2) ESF-13: USFS (23); ICE (11)
St. Croix/Christiansted:
 FEMA: R-II IMAT (10); Responders (31) ESF-2: MERS (1)
 USCG: LNO (1) US&R: VA-TF2 (61)



State EOC Status

- Full
- Monitoring
- Normal
- Partial

NRCC/RRCC Activation Level

- Level I
- Level II
- Level III

- ISB
- JFO
- Prepositioning Sites
- US&R
- DC

FULL DOD INCLUDED
 ON SEPARATE MAP

Recovery Snapshot
Post-Tropical Cyclone Harvey
Sunday, September 11, 2017 (5:00 a.m. EDT)
Updates in Blue

Housing

☐ Individual Assistance

Individual Assistance (as of 09/10/17, 11:01 p.m. EDT)

State	Total Registrations	Total IHPS	Housing Assistance \$	ONA \$
Texas	691,578	\$287,476,767	\$166,691,815	\$120,784,952

☐ FEMA Inspections

Housing Inspections (as of 09/10/2017, 11:01 p.m. EDT)

State	Inspectors with Work	Inspections Issued	Inspections Complete	% Complete
Texas	1,895	296,601	85,767	28%

☐ Transitional Shelter Assistance (TSA)

Transitional Sheltering Assistance (as of 09/10/2017, 3:14 p.m. EDT)

State	Currently Checked In to Hotel	Currently Eligible
Texas	21,401	277,535

☐ National Flood Insurance Program Claims Estimates

NFIP Claims Estimate (as of 09/09/2017)

State	Claims Submitted	Advanced Payments to Insured Survivors
Texas	82,000	\$119.9 M

☐ Housing Programs

SBA Home Loans (as of 09/10/2017)

State	Applications Received	Applications Approved	Loan \$ Approved	Average Loan Amount
Texas	13,484	966	\$88,312,900	\$91,421

☐ US Department of Housing and Urban Development (HUD)*

Hurricane Harvey - Texas	Number of Properties in Impacted Area	Displaced (# of Beds for Healthcare - Hospital)	Displaced (# of Household for Public & Indian Housing - Multifamily Housing)	Returned or Permanently Housed (# of Households/Beds)
Multifamily Housing	454	0	2,146	0
Public and Indian Housing	42	0	812	0
Healthcare and Hospitals	40	994	0	492
Total	536	994	2,958	492

* (No change from 9/8/2017, HUD reports that new data will be presented twice per week, on Tuesdays and Fridays, starting Tuesday, September 12, 2017).

Infrastructure Systems (FEMA Recovery Update, September 10, 2017, 3:30 pm EDT)

☐ Water and Wastewater

- Texas Commission on Environmental Quality (TCEQ) and EPA have completed surveys of 4,852 drinking water facilities and 2,908 wastewater facilities in the impacted area found 37 Severe Damage, 30 Medium Damage, 248 Minor Damage

☐ Aviation

- All major airports are at normal operations; Texas Gulf Coast Regional Airport is closed except for relief aircraft

□ Highway

- Federal Highway Administration (FHWA) Headquarters and TX Division responding to FEMA mission assignment requesting public affairs subject matter experts to staff Texas Joint Field Office (JFO)
- TX Division leadership meeting with TX Department of Transportation (DOT) regional staff to discuss damage assessments
- TX Division sending four engineers to Houston District next week to begin damage assessments
- LA DOT deploying damage assessment teams within the next week
- Texas Highway closures: Sam Houston Tollway between I-10 and Westheimer due to flooding

□ Maritime

- Corpus Christi – open with restrictions; vessels restricted to draft not above 43ft
- Houston Area – open with restrictions; vessels less than 40ft draft and daylight hours
- Port of Beaumont – open with restrictions; 30-foot draft restriction for the Sabine-Neches Waterway
- Port of Port Arthur – open with restrictions; 34-foot draft restriction for the Sabine-Neches Waterway

□ Rail

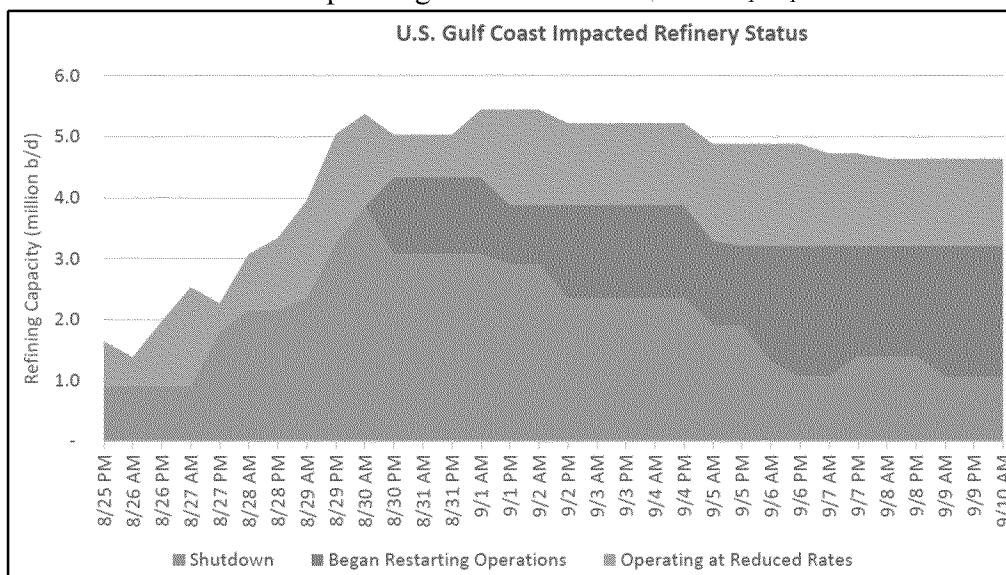
- All southeast Texas industrial leads have returned to service except two on the Union Pacific Railroad but both should be back in service on September 9; Amtrak route between San Antonio and New Orleans operating limited service

□ Pipeline/HAZMAT

- FEMA International Affairs is facilitating expedited cross-border travel on September 11 for a Canadian employed by Clean Harbors to conduct environmental hazard cleaning in TX (*FEMA International Affairs Update, September 10, 2017, 2:03 p.m. EDT*)
- EPA and the TCEQ continue to get updates about the status of specific sites from the parties responsible for ongoing cleanup of the sites; TCEQ has completed the assessment of all 17 state Superfund sites in the affected area, no major issues noted

□ Oil and Gas

- Five refineries in the Gulf Coast are shut down; six refineries are in process of restarting after being shut down, and least five refineries are operating at reduced rates (*DoE Sit Rep, September 10, 2017, 8:30 a.m. EDT*)



(DoE SitRep, September 10, 2017, 8:30 a.m. EDT)

Economic Recovery

□ Small Business Administration

SBA Business Loans (as of 09/10/2017)

State	Applications Received	Applications Approved	Loan \$ Approved	Average Loan Amount
Texas	1,073	87	\$7,644,400	\$87,867

□ **USDA Risk Management Agency**

- Due to the destruction of communication lines and the limited ability to travel in the impacted areas, many USDA RMA policyholders are unable to communicate with their agents to report losses within the Common Crop Insurance Policy, Basic Provisions (17-BR) 72 hour requirement
- RMA has authorized Approved Insurance Providers to consider individual circumstances in accepting delayed notices of loss; initial reportable numbers may be available on September 12

(Recovery Update, September 10, 2017, 3:30 p.m. EDT)

Responder Lodging

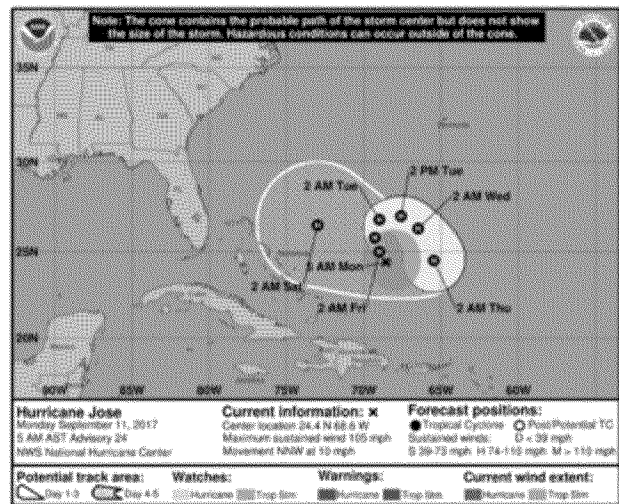
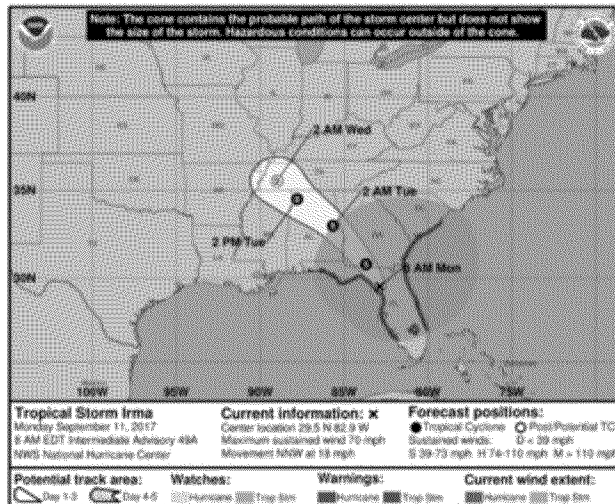
- USTS Empire State (650 beds) was delayed due to current weather conditions, and is now anticipated to arrive in Beaumont, TX around September 18; SS Kennedy (600 beds) anticipated to arrive in Houston, TX September 18



Hurricane Irma Response EPA Region 4

SITUATION REPORT #07

1700 - 0900 EST, September 11, 2017



SEPTEMBER 11, 0900 UPDATES

- EPA Preparation and Response Activities
 - The EPA Region 4, Sam Nunn Atlanta Federal Center (AFC) is closed today due to current and projected adverse weather conditions; however, the Regional Emergency Operations Center (REOC) remains operational and staffed.
 - Personnel support from the EPA Region 5 is mobilizing to Atlanta today and will rally at the R4 Regional Readiness Center (RRC) in Norcross, Georgia.
 - The EPA Region 4 Mobile Command Post (MCP) will deploy to Tallahassee to support Florida SEOC operations and field operations, as needed.
 - R4 Field assessment teams are meeting at the Regional Readiness Center (RRC) today to receive refresher training covering technologies and procedures pertaining to facility assessments.
 - The U.S. Coast Guard reports difficulty in identifying appropriate personnel to fulfill the EPA R4 request for 12 field personnel to join Assessment Teams. Additional EPA contractor support will be deployed to fill field staffing gaps.
 - EPA Assessment Team personnel will mobilize to Florida on Tuesday, September 12, 2017.
- State and Tribal Updates
 - Currently, there are approximately 5,689,967 power outages in Florida and 215,022 outages in Georgia.
 - Georgia Emergency Management Agency (GEMA) is reporting 5,570 people in shelters
 - The Federal Emergency Management Agency (FEMA) announced on September 10th, that federal disaster assistance has been made available to the state of Florida to supplement recovery efforts beginning on September 4th.
 - The declaration includes assistance for emergency protective measures, including direct federal assistance at 100 percent of the total eligible costs.

- This funding is available to affected individuals in Charlotte, Collier, Hillsborough, Lee, Manatee, Miami-Dade, Monroe, Pinellas, and Sarasota counties.
- Florida ESF-10 personnel continue to assist State, Tribal, and Federal partners in preparing for post landfall response and mitigation actions. Primary focus has been in three areas:
 - Ensuring that impacted drinking water and wastewater facilities are returned to service as quickly as possible. EPA is supporting this activity with Florida Department of Environmental Protection (FDEP) and the U.S. Army Corps of Engineers (USACE).
 - Developing and implementing debris management strategies and operations. EPA is working with FDEP, Florida Department of Transportation (FDOT), and the USACE to support their needs.
- There are significant fuel outages in Georgia. Though fuel continues to come into the state via pipeline and the Colonial Oil terminal in Savannah has enough fuel, delivery logistics will remain a challenge.
- The Seminole Tribe in Florida has lost power at three reservations, and communications are down in Brighton. They currently have six shelters open.
- The Miccosukee Tribe in Florida is without power and cell service. They are currently utilizing generators and have two satellite phones. The pumps from the USACE have not been received and their current equipment was operational as of 09:00 hours Sunday.
- The Catawba Indian Nation in South Carolina continues to closely monitor the weather for any changes. It is still likely that they will experience some heavy rains and winds today. They report no unmet needs at this time.
- The Poarch band of Creek Indians of Alabama is not under any Tropical Storm warnings. Tribal preparations began last week at the reservation and they're available if needed to assist other Tribes.

□ **CURRENT HURRICANE IRMA STATUS**

- Hurricane Irma has been downgraded to a Tropical Storm with significant wind and rain. The storm center is currently in the vicinity of Gainesville, Florida with sustained winds near 70 miles per hour (mph). The storm is moving north-northwest at 15 to 20 mph.
- The storm is anticipated to continue to pass over southern Georgia and continue to the northwest into central and northern Alabama as a tropical depression.
- Florida and southeast Georgia are expected to receive about 10-inches of rain over the next 48-hours.
- A number of tornado touchdowns have been confirmed in the impacted areas.

□ **CURRENT HURRICANE JOSE STATUS**

- As of Monday, 05:00 hours Eastern Standard Time (EST), Hurricane Jose was located about 255 miles northeast of Grand Turk Island, the capital island of the Turks and Caicos. The storm has sustained winds of 105 mph and is moving to the north-northwest at 10 miles per hour (mph).
- Current National Hurricane Center (NHC) models indicate the storm will change direction and head west in the next several days.

SITREP #6 REPEATED FOR ADDITIONAL SITUATIONAL AWARENESS

REOC STATUS AND ACTIVITIES

PLANNING AND PREPARATIONS

The EPA Region 4 Regional Emergency Operations Center (REOC) maintains a Level 3 activation. The following positions have been activated in the REOC and a table is provided below:

- ☐ REOC Manager
- ☐ Public Information Officer (PIO)
- ☐ Logistics Section Chief
- ☐ Planning Section Chief
- ☐ Situation Unit Leader with START support
- ☐ Resource Unit Leader
- ☐ Documentation Unit Leader
- ☐ Environmental Unit Leader
- ☐ Safety Officer
- ☐ Finance Section Chief
- ☐ GIS Support (START)

Table 1 Current Region 4 Staffing					
Personnel	EPA R4 Atlanta	FEMA Atlanta	Florida SEOC	Broward	Palm Beach
EPA Region 4	50	1	2	1	1
START	2	0	0	0	0

Staffing provided in this Table represents all EPA and contractor staff associated with the Hurricane Irma response.

FEMA RRCC

- ☐ The EPA Region 4 is currently operating under a Federal Operations Support (FOS) MA for \$35,000 to support staffing the ESF-10 desk at the FEMA Regional Response Coordination Center (RRCC) and the Florida State Emergency Operation Center (SEOC).
- ☐ ESF-10 MAs have been issued to provide Hazard Assessment Response teams. Targeted facilities will be identified by and assessments directed through the ESF-10 desk at the Florida SEOC.
 - o The request is being divided between EPA and the U.S. Coast Guard (USCG) with EPA receiving \$525,000 and USCG receiving \$150,000. The period of performance is from September 10 to 25, 2017.

HEALTH & SAFETY

- ☐ The Safety Officer made contingency arrangements to assist with vaccinations and medical monitoring in the event the storm impacts the Atlanta area and the REOC gets shut down.
- ☐ The Safety Officer drafted and distributed Safety Message #1 to the EPA personnel currently deployed in Florida. The Safety Message is cross posted on the Irma SharePoint and the response.epa.gov sites.
- ☐ The Safety Officer developed and provided safety objectives to Planning to be included in the Incident Action Plan.
- ☐ The Safety Officer prepared and uploaded safety briefings covering fatigued and drowsy driving prevention, drum sampling and hazardous categorization (HAZCAT) safety, heat stress prevention, HHW and collection site safety and field work computer ergonomics to the Irma SharePoint and response.epa.gov sites.

- ☐ The overall Health and Safety Plan was reviewed and approved today. It will be posted on the Irma SharePoint and the response.epa.gov sites.

NATIONAL PRIORITY SITES

- ☐ The Region 4 Emergency Response program coordinated to remove three drums, prior to the arrival of Irma, at Anodyne, Inc. Superfund Site containing Investigation Derived Waste (IDW) generated during a recent sampling event.
- ☐ The Region 4 Remedial program has completed rapid assessment of all 90 remedial sites within the state of Florida.
 - ☐ Follow up information gathering on four sites identified as medium to high risk resulted in following:
 1. Cabot Koppers and Airco Plating Company are groundwater remediation sites, and the vulnerability was identified as a disruption in pump and treat should flooding occur.
 2. Tyndall Air Force Base was determined to be low vulnerability as it is still in the Remedial Investigation/Feasibility Study (RI/FS) stage (no remediation occurring).
 3. Homestead Air Force Base was rated as high due to potential for structural damage (similar to what occurred during Andrew in 1992), not National Priority List (NPL) component of site.
- ☐ The Superfund Division plans to perform field assessments at all NPL sites in the State of Florida.

FINANCE

- ☐ The EPA Region 4 received a Direct Federal Assistance MA for \$525,000 to perform facility assessment in Florida after the storm makes landfall.
- ☐ The USCG received a \$150,000 MA to support the EPA Region 4 ESF-10 activities.
- ☐ All efforts prior to the existing MAs will be billed under a different account paid through the EPA. These costs total approximately \$43,756 and includes the EPA and contractors supporting the REOC.
- ☐ EPA Region 4 received the following FEMA MA:

Table 2 FEMA Mission Assignment Status					
Mission Assignment Number	Type of Mission Assignment	Period of Performance	Cost Share	Funding	Cost to Date
FL-17083101-EPA-01	Federal Operations Support	September 4 to 14, 2017	0%	\$35,000	\$12,000
3385EM-FL-EPA-01	Direct Federal Assistance	September 10 to 25, 2017	25%	\$525,000	NA
3385EM-FL-COE-SAD-10	Federal Operations Support	September 8 to 29, 2017	0%	\$150,000	NA

REGION 4 PREPAREDNESS

- ☐ Due to the shifting path and movement of Irma, deployment of Assessment Teams has been delayed until conditions are more certain and safe for travel and field operations.

- Region 5, which is providing six OSCs to be integrated into assessment teams, will deploy to Atlanta on Monday, September 10, 2017, to join up with R4 teams to be deployed to Florida.
- Region 4 has requested National Strike Team support from the U.S. Coast Guard to assist with assessment activities in Florida.

REGION 4 STATES

FLORIDA

- Florida is currently operating at their highest level of activation - Level 1, with the State Emergency Operations Center (SEOC) staffed by Division of Emergency Management personnel and all Emergency Support Functions.
- Florida has issued a state of emergency in all 67 counties within the state of Florida.
- The Governor has issued a mandatory evacuation that covers Miami-Dade County, Broward County east of US-1, Palm Beach County, low-lying parts of Brevard County, coastal and low-lying areas of Jacksonville and Duval County, and Monroe County (Florida Keys).
- The Florida SEOC is sending a forward team near Jacksonville Florida (Camp Blending) to prepare a Continuing Operations (COOP) location in the event the Florida EOC needs to be evacuated due to the storm's anticipated path. A final decision will be made tomorrow, based on updated storm model predictions.
- The EPA coordinated with the FDEP, Florida Department of Transportation (DOT), FEMA, and the USACE concerning the development and implementation of a Debris Management Plan. Key issues discussed relative to EPA were the management of Hazardous Wastes, Household Hazardous Wastes (HHW), Asbestos, Air Curtain Incinerators, Tribal Concerns, and Environmental Justice areas.
- The EPA continued to coordinate with the FDEP and the USACE relative to Water and Drinking Water issues. Additionally, the USACE has indicated they may request Region 4 assistance with sampling activities associated with bringing the Water/Drinking Water facilities back on line.
- The Florida Department of Environmental Protection (FDEP) requested the EPA to issue a No Action Assurance (NAA) for Tampa Electric Company's Big Bend Station, Polk Power Station, and Bayside Power Station for compliance with air permit condition to ensure adequate supply of electric power. The EPA issued the NAA on September 10, 2017 and it terminates on September 26, 2017.
- Figure 1 (provided at the end of this report) depicts current storm surge data and priority facilities located in south Florida that may be impacted during this operational period.

GEORGIA

- The Georgia SEOC is currently operating at a Level 1 (full activation and fully staffed) activation.
- On September 10, 2017, the Governor extended a State of Emergency for the remaining 65 counties and now the State of Emergency covers all 159 counties.
- Georgia State Emergency Operations Center (SEOC) is tracking possible fuel outages along evacuation routes including I-75 and I-16.
- The Governor also issued a mandatory evacuation order starting September 9, 2017, for all areas east of I-95 and other parts of the Georgia coast.
- The USCG closed ports in Savannah, Georgia, around noon on September 9, 2017.

- ☐ The Georgia SEOC was elevated to Level 1, full activation and fully staffed. Georgia has not requested an EPA representative.
- ☐ The EPA Region 4 continues to maintain communication with the State to provide support at the ESF-10 Desk in the SEOC, as needed.

SOUTH CAROLINA

- ☐ The South Carolina SEOC is currently operating at Level 1 (full operation) activation.
- ☐ On September 7, 2017, an emergency declaration issued by FEMA authorized emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75 percent federal funding. This includes all 46 South Carolina counties and the Catawba Indian Nation.
- ☐ They are monitoring Hurricane Irma's path. EPA is maintaining communication with the State to determine if EPA assistance is needed. EPA does not expect a MA due to the change in storm direction.

NORTH CAROLINA

- ☐ The North Carolina SEOC is currently operating at Level 4 activation. They are monitoring Irma's path and EPA is maintaining communication with the State to determine if EPA assistance is needed.

ALABAMA

- ☐ The Alabama Emergency Management Agency (EMA) is currently operating the SEOC at Level 1 (full operation) activation.
- ☐ Four Operations Centers have also been activated along the states eastern border. Five EMA Divisions along the eastern and southeastern border of the state are on stand-by to begin operations Monday, September 11, 2017.
- ☐ The Alabama Department of Environmental Management (ADEM) will report to the Alabama SEOC at 0700 hours Monday, September 11, 2017. ADEM is anticipated to staff their SEOC throughout the duration of Level 1 activation.
- ☐ The Governor activated the Alabama National Guard to respond to incidents in the state as well as requests from Florida.
- ☐ On the evening of September 8, 2017, the Governor issued a full state of emergency.
- ☐ The EPA Region 4 continues to maintain communication with the State to provide support at the ESF-10 Desk in the SEOC, as needed.

MISSISSIPPI

- ☐ The Mississippi SEOC is currently operating at Level 4 activation. They are monitoring Irma's path and EPA is maintaining communication with the State to determine if EPA assistance is needed.

TENNESSEE

- ☐ The Tennessee SEOC is currently operating at an elevated activation and is staffed with partners from State of Tennessee departments. SEOC staff are monitoring Irma's movement toward Tennessee and standing ready to assist local jurisdictions with any life-saving measures or need requests.
- ☐ The Governor issued Executive Order 66 on Saturday, September 9, 2017, which suspends state rules to allow: 1) Medical practitioners licensed in other states to practice in Tennessee in aid to

Hurricane Irma evacuees; 2) Pharmacists to dispense a 14-day supply of prescription medications to evacuees; and, 3) Non-residents to participate in Tennessee Dept. of Health programs for women, infants, and children, and for those with certain chronic conditions

- ☐ Tennessee has not declared a state of emergency at this time.

REGION 4 FEDERALLY RECOGNIZED TRIBES IN POTENTIAL STORM PATH

Region 4 continues to coordinate with the Bureau of Indian Affairs.

Seminole Tribe of Florida

- ☐ Tribal leaders decided to open shelters and close Tribal business operations. An assessment has been completed by Tribal emergency management.
- ☐ Tribal leaders have requested an Emergency Declaration from the President of the United States. The request includes enforcement assistance, emergency telecommunications capabilities, and assistance with acquisition of emergency commodities. The request is currently being evaluated by FEMA.
- ☐ The Seminole Tribe reports that 77 Tribal members are in shelters. Their EOCs are at level 1 activation. FEMA has authorized funding for debris removal and emergency protective measures, including direct federal assistance at 25% Tribal cost-share.

Miccosukee Tribe of Indians of Florida

- ☐ The Tribe provided a briefing on flood potential and impact to Tribal housing. The Tribe has coordinated with USACE and local water representatives.
- ☐ The Tribe will coordinate with local partners in case pumps are needed to reduce flooding.
- ☐ FEMA Region 4 Tribal liaison and USACE will find a pre-storm solution to Tribes potential flooding issues. The Red Cross will assist with water and ice, as needed.
- ☐ The Miccosukee Tribe is concerned with flooding. FEMA assisted the Tribe in obtaining pumps from USACE. The majority of Tribal members have stayed and those requiring extra care have been evacuated.

Catawba Indian Nation (South Carolina)

- ☐ Currently discussing emergency preparations.

Eastern Band of Cherokee Indians (North Carolina)

- ☐ Tribe is working with state to monitor hurricane's path and implement emergency response plans. No specific requests to the EPA have been made.

Poarch band of Creek Indians (Alabama)

- ☐ The Tribe is currently monitoring progress of the storm as it approaches.

AIR, PESTICIDE & TOXICS MANAGEMENT DIVISION

Fuel Waiver

- ☐ FDEP copied Region 4 on a request for an update from the Internal Revenue Service (IRS) on the status of the IRS red-dye diesel waiver. The IRS waiver is needed in conjunction with the EPA waiver to address the difference in the taxes for on-road versus non-road diesel. Region 4 shared this request with the Office of Transportation and Air Quality (OTAQ) and Office of Enforcement and Compliance Assurance (OECA) for situational awareness.

- Florida, South Carolina, and North Carolina are planning to shut down their ambient air monitoring sites located near the current projected path of Hurricane Irma.
- All Region 4 States have been contacted and offered support for the potential need for widespread mosquito control in areas impacted by Hurricane Irma.

SCIENCE AND ECOSYSTEM SUPPORT DIVISION (SESD)

- The EPA Region 4 Science and Ecosystem Support Division (SESD) Mobile Laboratory is prepared to conduct the following analyses for Drinking Water: total coliform, E. coli, fecal coliform, and enterococcus.

WATER PROTECTION DIVISION

- The EPA Region 4 Water program participated in a call with USACE ESF-3 lead for Harvey and Irma responses. The call was intended to notify EPA that USACE would be sub-tasking EPA to assist the state and USACE with coordination activities and assessments of the water and wastewater facilities. The USACE is working on obtaining a MA.
- The EPA Region 4 Water Protection Division (WPD) received funding totaling \$75,000 under an ESF-3 Mission Assignment (MA) sub-task to support the USACE drinking water and wastewater facility assessments.
 - The request specified provision of three technical experts for a duration of 14 days.
 - The personnel will be deployed to the USACE ESF-3 desk.
 - WPD staff have been identified.
- The WPD compiled an inventory of community drinking water systems (CWS) and publicly owned wastewater treatment plants (POTW) that may be used during post storm damage assessment (Tables 3 and 4).

Table 3 Total Number of Community Drinking Water Systems (CWS) and Total Population Served within Region 4 States and Tribal Lands		
State or Tribe	Number of CWS	Population Served
Alabama	514	5,607,481
Florida	1631	19,917,363
Georgia	1749	8,917,820
South Carolina	583	3,795,571
North Carolina	1999	8,250,007
Tennessee	472	6,921,665
Catawba (SC)	2	715
Cherokee (NC)	4	10,099
Miccosukee (FL)	1	500

Table 3 Total Number of Community Drinking Water Systems (CWS) and Total Population Served within Region 4 States and Tribal Lands		
State or Tribe	Number of CWS	Population Served
Poarch (AL)	1	750
Seminole (FL)	4	7,610

Table 4 Total Number of Publically Owned Wastewater Treatment Plants (POTWs)		
State or Tribe	POTW	Other WWTP of Concern
Alabama	374	To be determined.
Florida	2,410*	To be determined.
Georgia	572	To be determined.
South Carolina	172	To be determined.
North Carolina	396	To be determined.
Tennessee	372	To be determined.
Catawba (SC)	0	
Cherokee (NC)	1	
Miccosukee (FL)	0	
Poarch** (AL)	1	
Seminole (FL)	4	

* Total number of facilities in Florida's StormTracker application, which includes POTWs, non-permitted WWTPs, and industrial facilities of concern. The number will be refined as information becomes available.

** Lagoon system is on tribal lands. Discharge is to State waters (State issued permit)

- ☐ WPD continues building the necessary GIS data layers for use in mapping and communicating the status of drinking water wastewater systems in FL, GA, AL, SC, NC, and TN.
- ☐ WPD communicated with ADEM drinking water program to verify that ADEM has a system established to do initial assessments of drinking water systems. Arrangements have been made for ADEM to send their drinking water assessment/status tracking spreadsheet to the EPA Region 4. A follow-up call is scheduled for Monday, September 11, 2017, with ADEM on POTW tracking and their sharing of POTW assessment information.

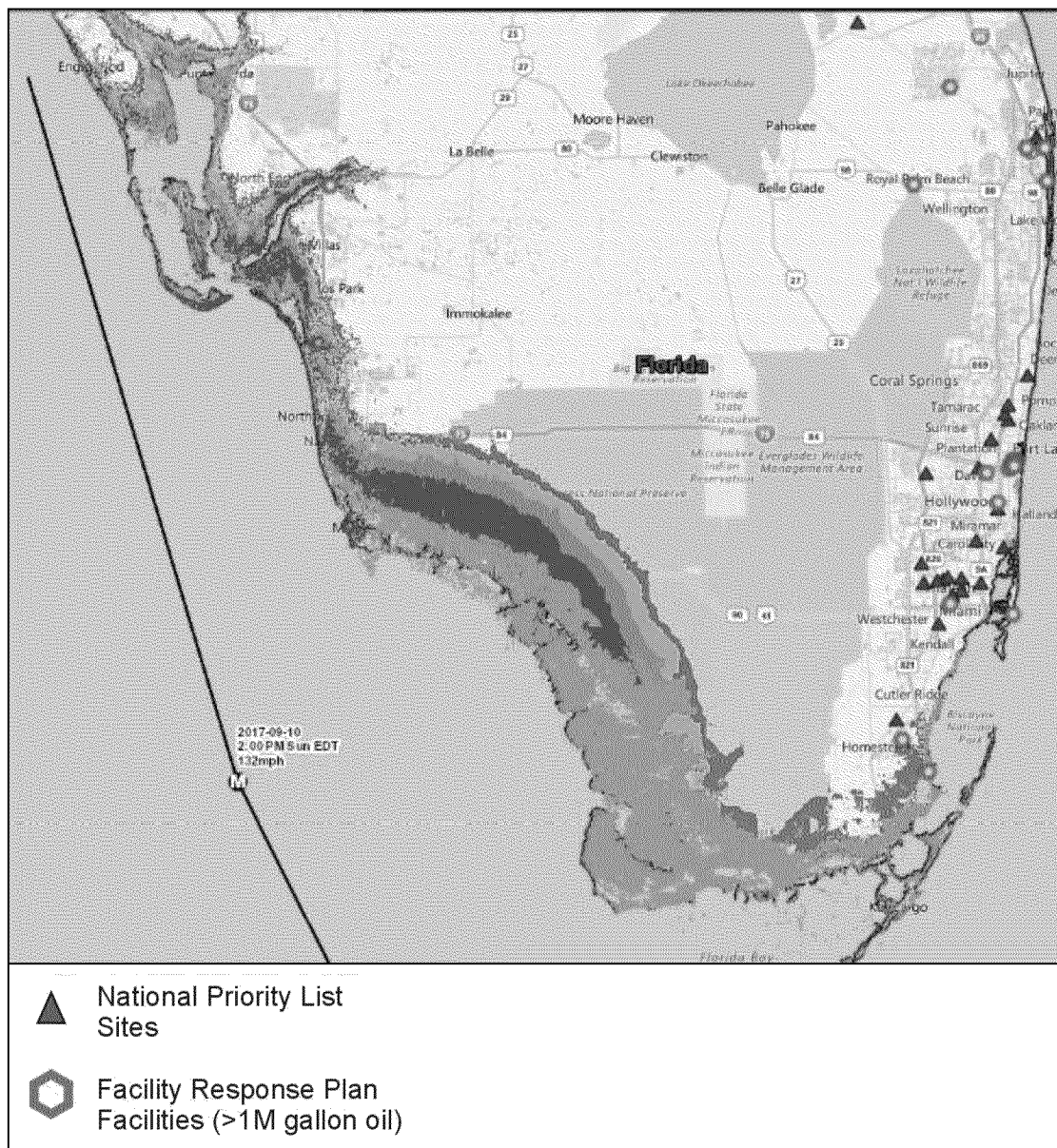
REGION 4 OFFICE OF REGIONAL COUNSEL (ORC)

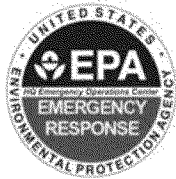
- ☐ The ORC provided generic property access agreement language specifically for response activities under the Stafford Act.
- ☐ ORC continues to research existing legal opinions relative to private property access during a Stafford Act response.

OFFICE OF EXTERNAL AFFAIRS (OPA)

- ☐ Coordinated with the EPA Region 4 REOC to provide a regional update for inclusion into OPA daily press release.

Figure 1
Priority Facilities in South Florida





Hurricane Harvey/Irma Policy Coordinating Committee
(Deputy EOC Manager)

Draft Incident Management Objectives

September 11, 2017

Objective 1: Ensure that health and safety of the EPA response is considered at all times.

Objective 2: Establish an incident management structure and processes employing the Incident Command System to enable effective overall management of the event with deployment of resources (staff and equipment) in a rapid, aggressive and well-coordinated manner.

Objective 3: Ensure prompt Review and Processing of Fuel Waiver requests.

Objective 4: Prepare for and provide Rapid Assessment of Industrial facilities as requested by the State or under EPA's statutory program responsibilities for CERCLA Superfund, RMP and FRP facilities. Working with our state partners, contact industrial sources within the impacted area to determine their operational status and determine what support can be provided with the monitoring of the start-up of industrial sources.

Objective 5: Prepare for and provide Rapid Assessment & Technical Assistance Drinking Water & Wastewater facilities as requested by the State or local government. EPA will support our state partners in contacting drinking water and waste water systems.

Objective 6: Prepare a Sustained Response Plan that outlines the resource and equipment needs for a long duration response.

Objective 7: Activate the Agency's Crisis Communication Plan to insure effective and efficient coordination of all incident communications.

Objective 8: Encourage a collaborative federalism approach, where national, state and local governments interact cooperatively and collectively to solve common problems.

New Proposed Objective 9: Begin Agency internal and external coordination, under the National Disaster Recovery Framework, regarding Recovery Support Functions in which EPA is likely to be involved.



Hurricane Harvey/Irma Policy Coordinating Committee
(Deputy EOC Manager)

Agenda

September 11, 2017

Opening Remarks Ryan Jackson
 Barry Breen

Situational Updates

For each situational update would you please address the following topic areas in addition to Regional/Program specific highlights:

- What are you being asked to do/support from our Federal, State and Local partners?
- Are there actions you are considering leaning forward on to address a need or expedite our response activities?
- Are there program policy, legal, or resource issues impacting your operations?
- Discussion of recovery efforts

Region 2
Region 4
Region 3
OPA
OLEM

Harvey Update Region 6

General Discussion

Next Meeting



Hurricane Irma 2017

9/11/2017 – 1030 EDT Update

EXECUTIVE SUMMARY

- ☐ All EPA employees in the Caribbean are accounted for.
- ☐ There will be more Disaster Declarations coming up for additional municipalities in Puerto Rico. Not all of Puerto Rico will be declared as a Disaster Areas, as some municipalities were not affected by the hurricane. These new Disaster Declarations are undergoing the routing process through the local government and FEMA for approval. It is taking some time, but the local government is providing the necessary documentation to move forward.
- ☐ On Scene Coordinators (OSC) conducting field assessments in Puerto Rico supported by EPA START/RST contractors.
- ☐ Coordinating with the U.S. Coast Guard Seventh District and the National Pollution Funds Center (NPFC) for use of the Oil Spill Liability Trust Fund (OSLTF) on the main island of Puerto Rico to address significant oil pollution incidents.
- ☐ In the U.S. Virgin Islands four OSC's conducting environmental assessments. Two assessment teams will focus on assessing potentially contaminated debris in conjunction with USACE. Two assessment teams will begin to assess oil and chemical fixed facilities.
- ☐ Security of personnel is a concern once EPA teams move to St. Thomas and St. John. Region 2 is discussing with CID and FEMA ESF #13 the security of EPA personnel.

PUERTO RICO / U.S. VIRGIN ISLANDS CONDITIONS

US Virgin Islands (USVI):

- ☐ 6,905 customers on St. Croix are without power (31% of customers). No customers on St. Thomas (19,581) or St. John (2,893) have power. These islands are interconnected and served by one electric grid.
- ☐ Airports: St. Thomas is closed except for hurricane and military operations due to fence line repairs and will not open until at least September 12; all others are open.
- ☐ Air tower in St. Thomas airport is inoperable, a mobile tower will be set up September 12 to provide air traffic control service.

- ☐ USVI Ports: Christiansted, St. Croix; Cruz Bay, St. John; and Redhook, St. Thomas are open with restrictions. Charlotte Amalie Harbor, Crown Bay Terminal, and Sandfill Terminal in St. Thomas are open. Fredericksted, St. Croix and all other ports in St. Thomas are closed.
- ☐ St. John – Preliminary reports indicate major damage on coastal roads, especially Coral Bay Road Route 107; further information on St. John pending the reopening of ferry service from St. Thomas.
- ☐ St. Thomas – Road damage is difficult to fully assess due to downed debris and downed power lines; USVI Power Authority is working to remove/reestablish poles/lines.
- ☐ St. Croix – Road damage assessed as minimal.

Puerto Rico (PR):

- ☐ 431,064 (35%) customers without power; DOE working with PR and FEMA for mutual aid plan for power restoration.
- ☐ All airports now open
- ☐ All ports are open with the exception of Guayama, which is open with restrictions
- ☐ All interstates and major roads are open; damage assessments are ongoing and no damage has been reported at this time

PUBLIC AFFAIRS

The PIO is Elias Rodriguez, who can be reached at 212-637-3664. All press inquiries are directed to him, and coordinated through OPA.

PAD continues to maintain a public facing EPA Response web site at:
www.epa.gov/hurricane-irma.

For the time being, the regional PAD will continue to keep the existing webpage updated. It is possible that we may migrate the information from this site to a main EPA (drupal) site, but we are awaiting further discussions with HQ OPA. In the meantime, we will do what we can to post for and support Region 4 content along with our own content. This will get complicated once we start producing data, so we are working on a longer-term plan.

Community Involvement: Two CICs are being deployed – one on Monday to Puerto Rico and one on Tuesday to USVI. Two more people have been requested for community involvement work to partner with PAD staff, partly due to safety considerations. One person has been identified and will deploy to USVI on Tuesday and a fourth is being identified to accompany the CIC deployed to Puerto Rico.

Public Inquiries:

CEPD helped PAD get the proper numbers for general public inquiries.

Non-emergency (non 9-1-1) calls from the general public will be directed to two numbers in PR and USVI. We will also post this information to our website.

For complaints, tips, or information requests, please contact:

- Puerto Rico Emergency Management and Disaster Administration Agency (AEMEAD): 787-724-0124
- Virgin Islands Territorial Emergency Management Agency (VITEMA): 340-774-2244

We will track calls coming in to the EPA either through our 800 number (answered in Edison) or through CEPD, PAD or ORA. We have a tracking sheet, which will be distributed today.

Media Inquiries: A news release was issued on 9/10/17. We expect to issue at least one news release a day as we move into the future and we will be speaking to OPA about a long term strategy, including discussing whether we continue to issue one release for the entire hurricane response, or whether we divide the Irma response releases into Caribbean and Southeast US releases. Reporters are directed to email their inquiries to press@epa.gov.

Region 2 – Hurricane Irma Management Objectives

- ☐ Protect the health and safety of EPA employees pre-deploying and/or responding to the storm aftermath.
- ☐ Integrate EPA response assets with federal, state and local response structures
- ☐ Minimize social, political, and economic adverse impacts
- ☐ Keep the public, stakeholders and the media informed of response activities
- ☐ Protect communities from incident hazards
- ☐ Keep communities informed of incident hazards and clean up progress
- ☐ Establish communication and briefing schedule with R2 senior executives and EPA Headquarters. Support a consistent communications approach agency-wide, enabling EPA to act and speak in unison during these incidents
- ☐ Provide situation reports and other information on schedule provided by RIC
- ☐ Secure all NPL and removal sites. Regulated facilities and Superfund and oil sites will be surveyed prior to storm fall if a land impact is expected
- ☐ Identify vulnerabilities at regulated facilities
- ☐ Address any immediate hazardous substance releases or oil spills resulting from the storm's impact
- ☐ Assist state and local agencies in ensuring safety of drinking water systems.
- ☐ Monitor air quality when/if necessary in response to conditions on the ground.
- ☐ Provide guidance for length of work day and deployments as it pertains to this specific event

- ☐ Coordinate logistics with deployed personnel to provide transportation options, lodging, security, ground transportation on site;
- ☐ Coordinate national resources to assist the Region;
- ☐ Identify clearly defined roles for both Regions and Headquarters;
- ☐ The response will use the Region's incident specific Data Management Plan (DMP);
- ☐ In collecting, sharing, and analyzing environmental data, EPA will give primacy to data with potential human health consequences;
- ☐ EPA will work to ensure that its decision-makers have access to the data and expertise they need to make decisions based on sound science;
- ☐ Identify early in the response the long term recovery issues the Agency may be requested to support and determine the resource needs to support and sustain those requests to completion.

DEBRIS RECOVERY

U.S. Army Corps of Engineers and EPA debris team deployed in the USVI. EPA will be conducting debris assessments 9/11.

EPA coordinating with ACOE, FEMA, and the USCG to develop debris plans with Puerto Rico and USVI. Debris Assessment Teams will be deployed 9/11 in both Puerto Rico and the USVI.

AIR MONITORING

No air monitoring activities.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/10/2017	Cumulative	9/10/2017	Cumulative
Puerto Rico	5	7	5	7
U.S. Virgin Islands	0	0	0	0
Note: Open means that 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	
	9/10/2017	Cumulative	9/10/2017	Cumulative
Puerto Rico	0	0	0	0
U.S. Virgin Islands	0	0	0	0

SUPERFUND AND OIL SITE INSPECTIONS PLANNED

EPA assessment teams will continue to assess Superfund and oil sites in Puerto Rico and will begin assessment work today in the U.S Virgin Islands. The Region continues to reach out to all the responsible entities, whether they be our contractors for fund-lead projects or PRPs, for NPL sites, active removal actions and oil response actions, with regard to assessing impacts to the site. Assessment teams will verify site status.

FIELD RESPONSE ACTIVITIES

No major oil spills or threats of releases of hazardous substances have been reported to date. There is widespread damage to boats in marinas and likely widespread smaller oil spills. We are coordinating with Coast Guard to identify any needs for assistance

PUERTO RICO

- ☐ EPA On-Scene Coordinators (OSC) are coordinating with commonwealth environmental agencies on their need for EPA assistance. Initial discussions will focus on prioritizing environmental assessments once that MA is approved, and to identify potential requests for federal assistance under ESF-10.
- ☐ In Puerto Rico post-storm assessments continue. Assessment Teams conducting field assessments in Puerto Rico supported by EPA START/RST contractors. Teams are focusing on hazardous substance and oil releases and spills, fixed chemical and oil facilities and drinking water and wastewater facilities.
- ☐ The Fixed Facility Assessment Team assessed three facilities: Puma Energy Puerto Rico, Puma Energy Caribe, and Petroleum Products. Oil and chemical facilities have been prioritized based on high risk measures, slosh model for storm surge flooding, and any vulnerabilities known prior to storm landfall.

U.S. VIRGIN ISLANDS

- ☐ EPA received an MA to conduct environmental assessments in the USVI.
- ☐ OSC's are mobilized to the VI to conduct environmental assessments. Two assessment teams will focus on assessing potentially contaminated debris in conjunction with USACE and USCG. Two assessment teams will begin to assess oil and chemical fixed facilities.
- ☐ EPA coordinating with U.S. Coast Guard, FEMA, and U.S. Army Corp of Engineers (ACOE) to conduct rapid assessment and pollution response activities in St. Thomas and St. John. USCG using four Atlantic Strike Team (AST) personnel for operation.

- ☐ EPA went to VITEMA EOC on STX. Met with USACE, WAPA, VITEMA, DPND and VIWMA personnel.
- ☐ VIWMA setting up STX debris collection on STX at Estate Body Slob. Trucks only. Four satellite drop offs set up for residents. Cells set up for:
 1. Vegetative debris – to be shredded later
 2. Sheet metal
 3. Construction debris
 4. White goods – VIWMA will remove refrigerant
 5. Hazmat
- ☐ DPNR is staffing EOC on STT and STX. No known issues yet.
- ☐ USACE and VIWMA still deciding on debris plan for STT and STJ. Meeting at 1700 hrs 9/10.
- ☐ No diesel supply on STJ. Gas available on STT if you can find a station with electricity.

The table below displays the teams that have been deployed based on the assessment results in Puerto Rico or the USVI.

Quantity and Types of Teams Deployed 9/10/2017		
Team Type	Puerto Rico	U.S. Virgin Islands
Assessment Team – All Missions	2	4
Water Assessment	0	0
Hazard Evaluation	2	0
Oil Discharge Assessment	0	0
Container Recovery	0	0
Oil Recovery	0	0
ER/Recovery	0	0
Air Operations	0	0
Contaminated Debris	0	1
Operation Centers (REOC), PREOC, VITEMA, PR IOF, VI IOF	3	2

PUERTO RICO

	CONTAINERS			TOTAL
	Drums (55 Gals)	Large Containers	Large Containers	

		(<55 gals)	(>55 gals)	
9/10/2017	0	0	0	0
Total to Date	0	0	0	0

U.S. VIRGIN ISLANDS

	CONTAINERS			TOTAL
	Drums (55 Gals)	Large Containers (<55 gals)	Large Containers (>55 gals)	
9/10/2017	0	0	0	0
Total to Date	0	0	0	0

AGENCY COORDINATION

On 9/11, USCG Captain of the Port San Juan to oversee commencement of ESF-10 salvage operations for approximately 1,000 recreational boats/related fuel discharges. USCG, private salvage, U.S. Army Corps of Engineers, and US Navy assets assisting

USCG Sector San Juan is fully mission capable with assets operating normally. Coast Guard Cutter Valiant arrived in St. Thomas on 9/10 to serve as a USCG base of operations. USCG continues to coordinate helicopter and boat transport of personnel to St. Thomas for damage assessment and response needs.

EPA coordinating with the U.S. Coast Guard to use joint staging areas in both PR and USVI for debris and oil and hazardous substance disposal.

We are sharing operational information with the Caribbean Regional Response Team (CRRT) federal, Commonwealth, and U.S. Territory agencies.

SPILL/RELEASE RESPONSE

Hotline Calls as of September 10, 2017	
Number of Irma Related Calls Received During Reporting Period 1300-0100	0
Total Number of Irma Related Calls to Date	0
* 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

Puerto Rico Drinking Water Status: As of 730 AM on 9/11/17, **61,980** PRASA service connections are without drinking water. Each service connection serves 3 people (estimate). PRASA serves 96% of the PR population (3,411,000 in 2016). We estimate **185,940** people are without drinking water from PRASA, mostly in the north/metro region. The total PR PRASA population without drinking water is **61,980** out of **3,274,560** (96% of 3,411,0000) which represents **5.68 %**. This doesn't include the non-PRASA systems which account for 4% of the PR population. PR remains under a boil water notice. PRDOH is back to functionality and is going to start the coordination of inspections to check operational status of the drinking water systems. CEPD/CWD Water Support Group in the REOC should coordinate with PRDOH in order to avoid duplication of effort.

PRASA: All PRASA waste water treatment plants are in service.

PREPA: All PREPA waste water treatment plants are in service.

USVI Drinking Water Status: No new updates.

REGULATED FACILITIES

The Regulated Facility Team (RFT) continues to receive email and telephone responses to EPA's post-Irma facility damage, oil spill, and chemical release assessment efforts. As facility personnel begin obtaining access to their facilities, they continue to report no spills, no chemical releases, and no upset conditions. High risk facilities in Puerto Rico and the US Virgin Islands, such as Puma, Limetree Bay, PRASA, and WAPA have reported no significant damage to their oil and/or chemical operations. The RFT has contacted the VI DPNR and provided a brief update on the status of major oil and chemical facilities that have responded to the post-impact damage assessment/oil spill/chemical release mass email and phone calls. The RFT is prepared to provide technical assistance to field assessment teams currently being deployed.

PUERTO RICO

Facility Type	Sites Identified	Pre-Storm Remote Assessment	Post Storm Remote Assessment	Post Storm Field Assessment	Follow-up Action Required
RMP	56	56*	45^	0	0
FRP	22	22*	10^	0	0
Other (non-FRP SPCC)	232#	232#	10^	0	0
Totals	310#	310#	65^	0	0

* Pre-Hurricane email requested facilities to self-identify any pre-existing compromised conditions (construction at process areas, tank maintenance, etc.). No facilities reported pre-existing compromised conditions.

^ Based on Post-Hurricane oil spill/chemical release/damage assessment email and phone calls. No facilities have reported oil spills, chemical releases, or upset/damage conditions that could lead to oil spill or chemical release.

There is no SPCC submission requirement. This number reflects the number of known non-FRP SPCC facilities that are believed to be active.

U.S. VIRGIN ISLANDS

Facility Type	Sites Identified	Pre-Storm Remote Assessment	Post Storm Remote Assessment	Post Storm Field Assessment	Follow-up Action Required
RMP	1	1*	1^	0	0
FRP	6	6*	6^	0	0
Other (non-FRP SPCC)	57#	57#	5^	0	0
Totals	64#	64#	12^	0	0#

* Pre-Hurricane email requested facilities to self-identify any pre-existing compromised conditions (construction at process areas, tank maintenance, etc.). No facilities reported pre-existing compromised conditions.

^ Based on Post-Hurricane oil spill/chemical release/damage assessment email and phone calls. No facilities have reported oil spills, chemical releases, or upset/damage conditions that could lead to oil spill or chemical release.

There is no SPCC submission requirement. This number reflects the number of known non-FRP SPCC facilities that are believed to be active.

EPA RESOURCES

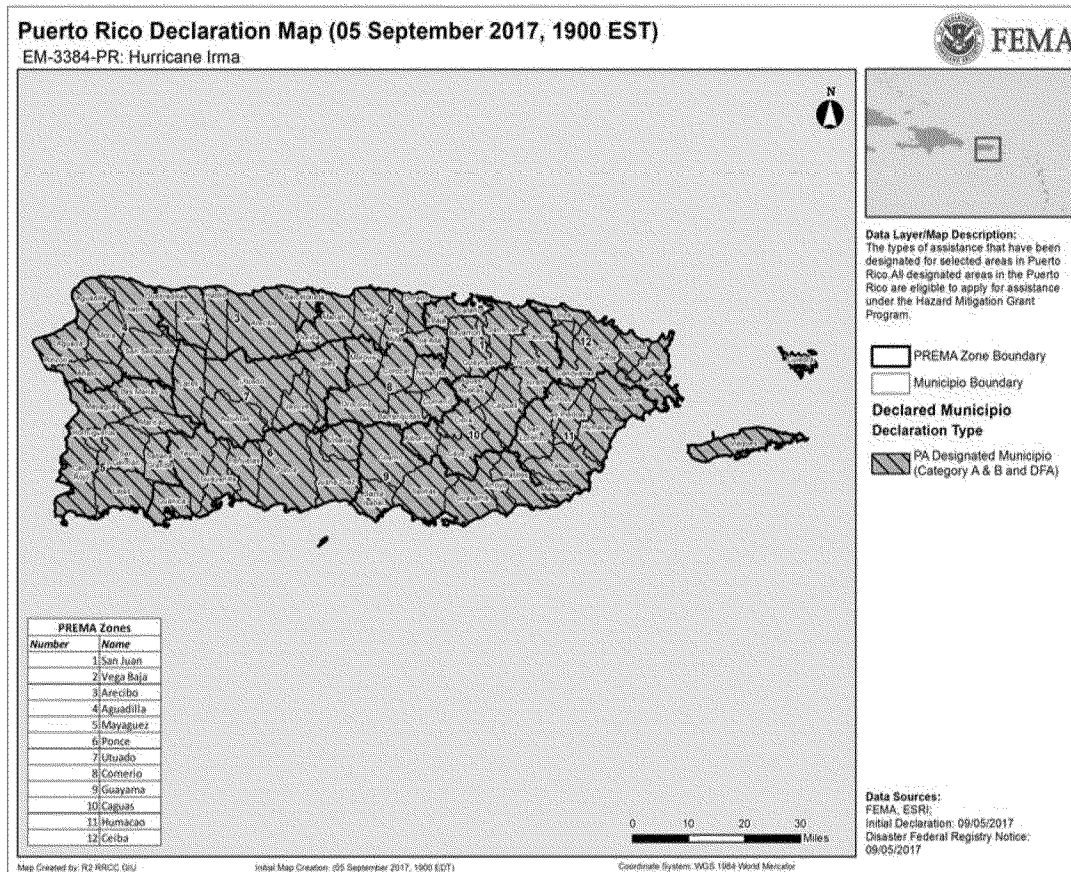
Personnel	EPA Edison, NJ NYC San Juan, PR	FEMA RRCC Colts Neck, NJ	Puerto Rico Deployments	USVI Deployments	Totals
EPA	56	1	4	4	65
START/ RST	6	0	2	3	11
ERRS	1	0	0	0	1
Other Contractors	0	0	0	0	0
Totals	63	1	6	7	77

DECLARATIONS

Puerto Rico.

Emergency Declaration FEMA-3384-EM effective September 5. Assistance is for all 78 municipalities in the Commonwealth of PR. The Governor of Puerto Rico requested a disaster declaration 9/8.

Disaster Declaration effective September 9. Declared areas only include Culebra and Vieques.



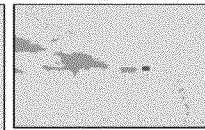
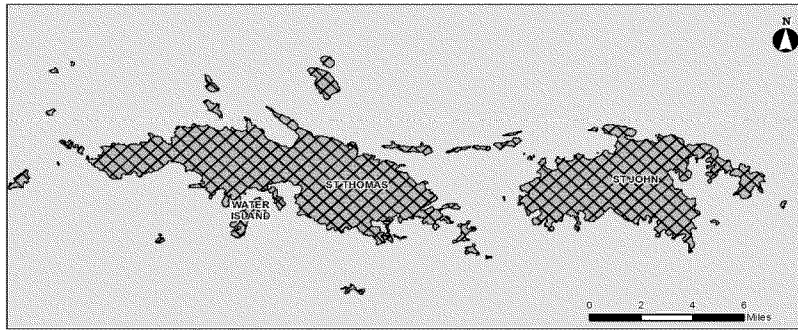
U.S. Virgin Islands.

Disaster Declaration FEMA-4335-DR effective September 7, 2017. St. Thomas and St. John approved for Individual Assistance, all islands eligible for Public Assistance and the Hazard Mitigation Grant Program.

Emergency Declaration FEMA-3383-EM effective September 5. Assistance is for all islands in the Territory of the USVI.

U.S. Virgin Islands Declaration Map (07 September 2017, 1200 EST)

DR-4335-USVI: Hurricane Irma

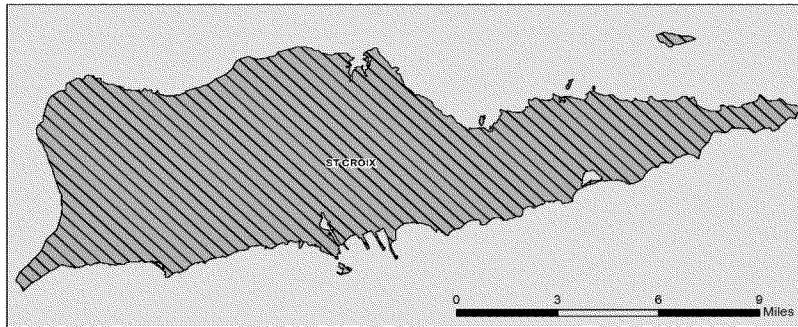


Data Layer/Map Description:
The types of assistance that have been designated for selected areas in the U.S. Virgin Islands. All designated areas in the U.S. Virgin Islands are eligible to apply for assistance under the Hazard Mitigation Grant Program.

County Declared Declaration Type

IA & PA Designated County

PA Designated County (Category A & B and DFA)



Data Sources:
FEMA, ESRI;
Initial Declaration: 09/07/2017
Disaster Federal Registry Notice: 09/07/2017

Map Created by: R2 RROC, G.U. Initial Map Creation: 07 September 2017, 1200 EDT Coordinate System: WGS 1984 World Mercator

FUNDING

Mission Assignment Number	Purpose	Start Date	End Date	Total Amount	Indirect Costs	Amt. Available (after indirect rate)	Daily Burn Rate	Used	Balance
VI-17090102-EPA-01	Activate EPA to FEMA R2 RRC in Coits Neck, NJ to support FEMA response ops	09/02/17	09/11/17	\$10,000	\$,046	\$8,954	\$1,080	\$8,640	\$314
PR-17090102-EPA-01	Activate EPA to FEMA R2 RRC and other locations as necessary for PR. For REOC pre-landfall costs.	09/01/17	09/11/17	\$20,000	\$2,093	\$17,907	-----	\$7,560	\$10,347
4335DR-VI-EPA-01	Activate EPA to FEMA R2 RRC in Coits Neck, NJ to support FEMA response ops	09/07/17	10/07/17	\$100,000	\$10,466	\$89,534	-----	-----	\$89,534
3384EM-PR-EPA-01	Activate EPA to FEMA R2 RRCC, EPA REOC, State EOC, JFO, PDA, and RNA Teams and other coordination venues to support FEMA response ops in PR	09/06/17	09/16/17	\$75,000	\$7,850	\$67,150	\$18,900	\$81,340	\$(14,190)
3383EM-VI-EPA-01	Activate EPA to FEMA RRCC, JFO, EPA REOC, State EOC, PDA and NRA Teams and other coordination venues to support FEMA response ops in VI	09/07/17	09/16/17	\$75,000	\$7,850	\$67,150	\$15,660	\$79,280	\$(12,130)
4335DR-VI-EPA-02	To perform assessment of oil and hazardous materials releases, contaminated debris and other environmental events following landfall in VI	09/07/17	09/30/17	\$508,000	\$53,170	\$454,830	\$3,240	\$42,480	\$412,350
3384EM-PR-EPA-03	To perform assessment of oil and hazardous materials releases, contaminated debris and other environmental events following landfall in PR	09/09/17	09/30/17	\$508,000	\$53,170	\$454,830	\$1,080	\$1,080	\$453,750

FUEL WAIVERS

Fuel waivers are not needed for PR or USVI.

SUPERFUND NPL, SUPERFUND REMOVAL, AND OIL REMOVAL SITES

EPA Remedial and Removal Managers are following-up on at the 23 Superfund NPL/Removal and Oil sites within the storm path to conduct rapid damage assessments and determine if additional emergency cleanup activities are necessary.

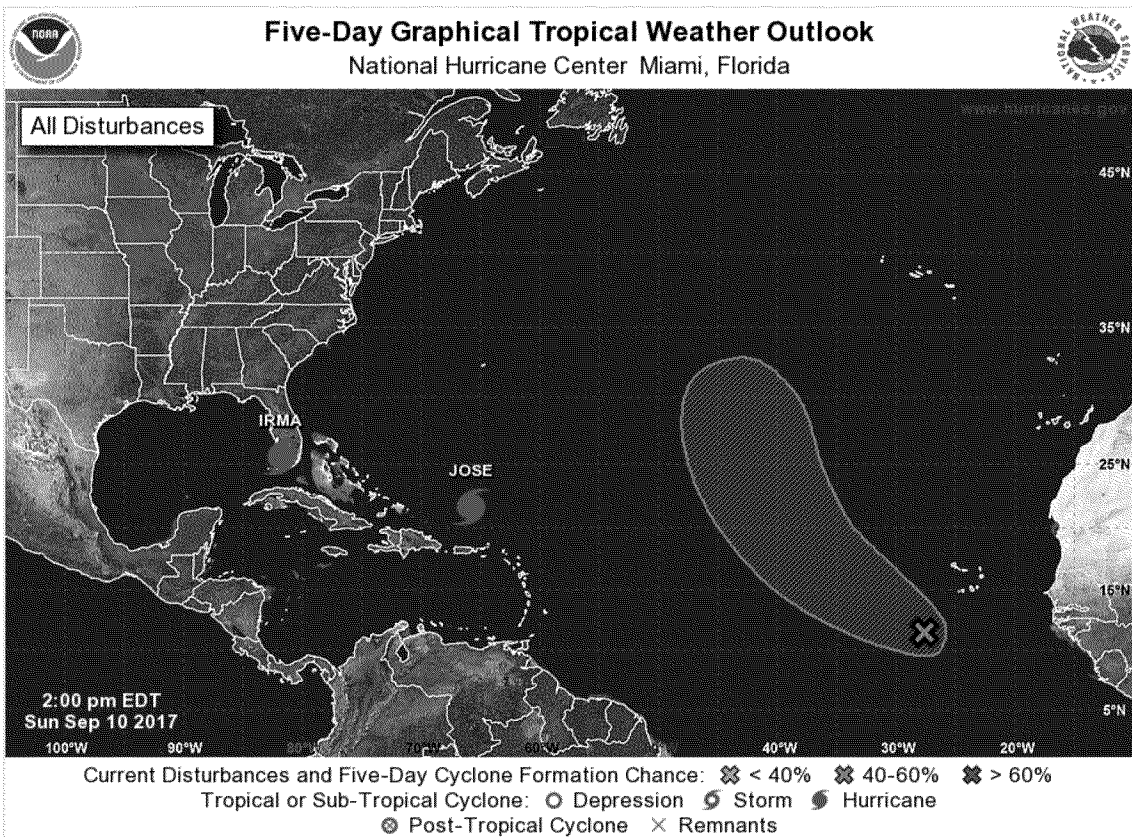
SUPERFUND SITES (NPL, Removal and Oil) PUERTO RICO						
Site	Type	Phase 1	Phase 2		Phase 3	All Phases Completed
		Post-Storm Assessment	Site Inspection Needed	Inspected	Additional Response Action	
Atlantic Fleet Weapons	NPL	09/08/17	No	N/A	No	09/08/17
Juncos Landfill	NPL	09/07/17	No	N/A	No	09/07/17
Upjohn Facility	NPL	09/07/17	No	N/A	No	09/07/17
Arecibo Battery Recycling Corp.	Removal & NPL*	09/05/17	No	N/A	No	09/05/17
Corozal Battery	Removal & NPL*	09/05/17	No	N/A	No	09/05/17
Cabo Rojo Groundwater	NPL	Not assessed				
Cidra Groundwater	NPL	Not assessed				
Dorado Groundwater	NPL	Not assessed				
Fibers Public Supply Wells	NPL	Not assessed				
Hormigas Groundwater	NPL	Not assessed				
Maunabo Urbano Public Wells	NPL	Not assessed				
Papelera Puertorriquena, Inc.	NPL	Not assessed				
Pesticide	NPL	Not assessed				

Warehouse 1						
Pesticide Warehouse III	NPL	Not assessed				
San German Groundwater	NPL	Not assessed				
Scorpio Recycling	NPL	Not assessed				
Vega Alta Public Supply Wells	NPL	Not assessed				
Vega Baja Solid Waste Disposal	NPL	Not assessed				
Guayanilla Bay Oil Spill	Oil Response	Not assessed				
Puma Caribe (CAPECO)	Oil Response	Not assessed				
U.S. VIRGIN ISLANDS						
TUTU Well Field	NPL	09/08/17	No	N/A	No	09/08/17
Crum Bay Oil Spill at WAPA Facility	Oil Response	09/08/17	No	N/A	No	09/08/17
Cruz Bay Oil Tank	Oil Response	Not assessed				

* These are Sites that have both, a Removal and Remedial program action. Only one assessment will be conducted per Site.

LONG RANGE PLANNING

- ☐ **National Disaster Recovery Framework (NDRF) Activities.** It is extremely important to start long range recovery discussions at the beginning of the response action. It will assist the Agency to identify potential recovery issues and significant challenges before FEMA transitions from response to recovery. We are coordinating with our EPA Region 2 disaster recovery personnel and will share our Irma data collection and results of our assessment efforts. We will also use our response command structure to assist the recovery staff with their coordination with FEMA.
- ☐ **Additional Threats.** No additional storm threats to impact the U.S. Caribbean.





Hurricane Harvey 2017
9/11/2017 – 0700 CDT Update

EXECUTIVE SUMMARY

- EPA has assigned a Regional Recovery Support Function (RSF) Coordinator to participate in the Regional Interagency Recovery Meeting at the Joint Field Office (JFO) on Monday, September 11, 2017. The RSF Coordinator will be at the JFO this week to provide input to the recovery effort.
- EPA Office of Emergency Management Director Reggie Cheatham, Carl Edlund, Dan Opalski and OMB Budget Manager Jodi Beringer will tour EPA's command post, the Houston laboratory, the TAGA mobile laboratory and the San Jacinto Waste Pits Superfund site today.
- EPA Environmental Justice Director Arturo Blanco will travel to Houston/Galveston today, Port Arthur on Tuesday and Alabama-Coushatta tribe on Wednesday. EPA will update community environmental justice advocates via conference call on Tuesday. TCEQ/EPA will meet with environmental advocates in Austin on Tuesday.
- EPA continues make contact with the remaining 18 counties regarding private water well testing and our research indicates that private well testing is available across the state for a nominal fee. EPA has confirmed 21 of the 39 disaster declaration counties are currently providing private well testing for area residents. Texas Department of State Health Services also offer bacteria testing for \$28 through the state lab. The TCEQ website provides public information and a list of NELAP Accredited Labs for well owners to analyze water samples for a fee.
- Community Liaisons (CLs) are assisting citizens of impacted counties by providing information about dealing with the environmental hazards of returning to flood damaged homes as well as obtaining input about other challenges or concerns.
- The Houston Branch and the Port Arthur/Beaumont Branch will both begin collection and staging of recovered orphan containers today. Corpus Christi Branch expects to complete activities within the next week. Houston Branch is projected to complete these activities within 30 days and Port Arthur/Beaumont Branch within 20 days.

- As EPA prepares to complete Emergency Support Function (ESF-10) activities in several counties, we are developing a standardized procedure to formally document transition to State and local officials.
- EPA will complete sampling of the 34 Superfund sites in Texas potentially impacted by the storm by Wednesday, September 13, 2017. Preliminary analytical results should be available by Friday, September 16, 2017. A communications plan is being developed to ensure that public messaging will be delivered as soon possible once preliminary data is received. EPA continues to hear reports that the New York Times is sampling Superfund sites.
- EPA is preparing a plan and schedule to complete sampling of the nine Superfund sites in Louisiana that were potentially impacted by the storm.
- State and Federal aerial assets continued mosquito control spraying operations in Aransas, San Patricio, Kleberg, Jackson, Dewitt and Lavaca counties during the evening hours of September 10, 2017.

PUBLIC AFFAIRS

The EPA liaison to the City of Houston Mayor's Office completed coordination with officials from the Mayor's Office of Public Safety and Homeland Security at the city's Emergency Operations Center. No new concerns or issues were raised. The liaison will demobilize and return to Dallas today.

Community Liaison (CL) teams traveled to six counties to meet with emergency managers and residents. They provided educational materials regarding dealing with the environmental hazards of returning to flooded areas and home. CLs also collected feedback on environmental and health challenges of particular concern to the residents. One emergency manager mentioned that EPA was the first federal agency to contact them.

DEBRIS RECOVERY

EPA's representative at the JFO indicates that the state is currently assessing its capacity to manage debris collections and disposal. While we do not expect to receive a direct mission assignment for this work, it is possible that EPA may get tasked to assist with field observation of collection and segregation activities, and oversight of landfill operations.

AIR MONITORING

The four EPA air quality technical specialists deployed to Houston conducted total volatile organic compounds (VOC) area monitoring with the TAGA mobile laboratory. They monitored in the Manchester area, Lawndale Rd near Lyondell Basell, and on N. Witter St. between Pasadena Refining Systems Inc. (PRSI) and Kinder Morgan's Pasadena Terminal. The team detected benzene below levels of concern at all three locations. Additional monitoring will continue, in an effort to identify the source.

Weather conditions permitting, the TAGA will monitor around additional facilities, not yet monitored. Monitoring is planned for the following facilities by the TAGA: Huntsman, Eco

Services Operations, Goodyear, Flint Hills Resources – Houston Chemical Plant, and the TPC Group – Houston Plant. If significant readings are identified, additional monitoring will be conducted by the EPA field team.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/10/2017	Number of Targets Remaining Open	9/10/2017	Cumulative
Corpus Christi Branch	5	12	0	88
Houston Branch	29	250	1	69
Port Arthur/Beaumont Branch	14	62	1	8
NRC Reports	0	2	0	2
TOTALS	48	326	2	167
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 (NON-VESSELS)				
Status	Opened		Closed	
	9/10/2017	Number of Facilities/Spills Remaining Open	9/10/2017	Cumulative
Corpus Christi Branch	1	13	1	36
Houston Branch	4	48	1	35
Port Arthur/Beaumont Branch	2	16	0	10
NRC Reports	2	146	5	51
TOTALS	9	223	7	132

Daily/Cumulative Summary of VESSELS				
Status	Opened		Closed	
	9/10/2017	Number of Vessels Remaining Open	9/10/2017	Cumulative
Corpus Christi Branch	33	433	22	151
Houston Branch	2	58	1	11
Port Arthur/Beaumont Branch	37	42	1	5
NRC Reports	0	9	1	6
TOTALS	72	542	25	173

FIELD RESPONSE ACTIVITIES

FIELD TEAMS ON 9/10/2017				
<u>Teams</u>	Alpha	Bravo	Charlie	TOTAL
Hazard Evaluation	1	3	3	7
Oil Discharge Assessment	2	5	1	8
ER/Orphan Container Recovery	1	9	1	11
Oil/Vessel Recovery	2	0	0	2
Staging Areas	1	1	0	2
Air Operations	0	1	0	1
Air Monitoring	0	3	0	3
Water Infrastructure Assessment – Drinking Water	0	10	1	11
Water Infrastructure Assessment – Wastewater	0	5	0	5
TOTAL	7	37	6	50

CORPUS CHRISTI BRANCH:

The Oil Discharge Recovery Group identified 21 vessels throughout the Aransas Pass Municipal Marina. A team monitored salvage operations associated with the towing vessel Sandy Point on San Jose Island. Another team oversaw the raising of the towing vessel Belle Chase with the assistance of salvage straps from a barge crane. The vessel is now safely afloat and moored at Gulf Copper.

The Staging Pad continued to receive, process, categorize, bulk and dispose of recovered containers. Team members conducted field screening of materials in collected containers and transported them to the Staging Pad.

	CONTAINERS			Cylinders	TOTAL
	Drums [55 gals]	Small Containers [<55 gals]	Large Containers [>55 gals]		
9/9/2017	17	5	0	1	23
TOTAL TO DATE	74	36	8	18	136

HOUSTON BRANCH:

Three Hazard Evaluation (HE) Teams identified 9 sites in Brazoria County and Matagorda County. Assessments are 100% complete in Liberty, Austin, Waller, Chambers, Montgomery, Fort Bend, Galveston, Bastrop, Lee, Fayette, Colorado, Wharton, Walker, Matagorda, Harris and Brazoria Counties. The HE Group intends to keep two teams on standby if needed for future operations.

The Air Recon Team conducted an aerial overflight of Sargent, Freeport, Chocolate Bayou, Galveston and Houston to photograph 32 vessels and locate potential staging areas. They identified four new sites.

ASPECT continued to survey Drinking Water, Wastewater, and other Risk Management Program facilities and is expected to be complete the requested surveys this week.

PORT ARTHUR/BEAUMONT BRANCH:

Three HE Teams conducted assessments in Cook Lake, Vidor, Beaumont Yacht Club, Angelet Marina, Orange and Neches City and located 12 sites (7 vessels).

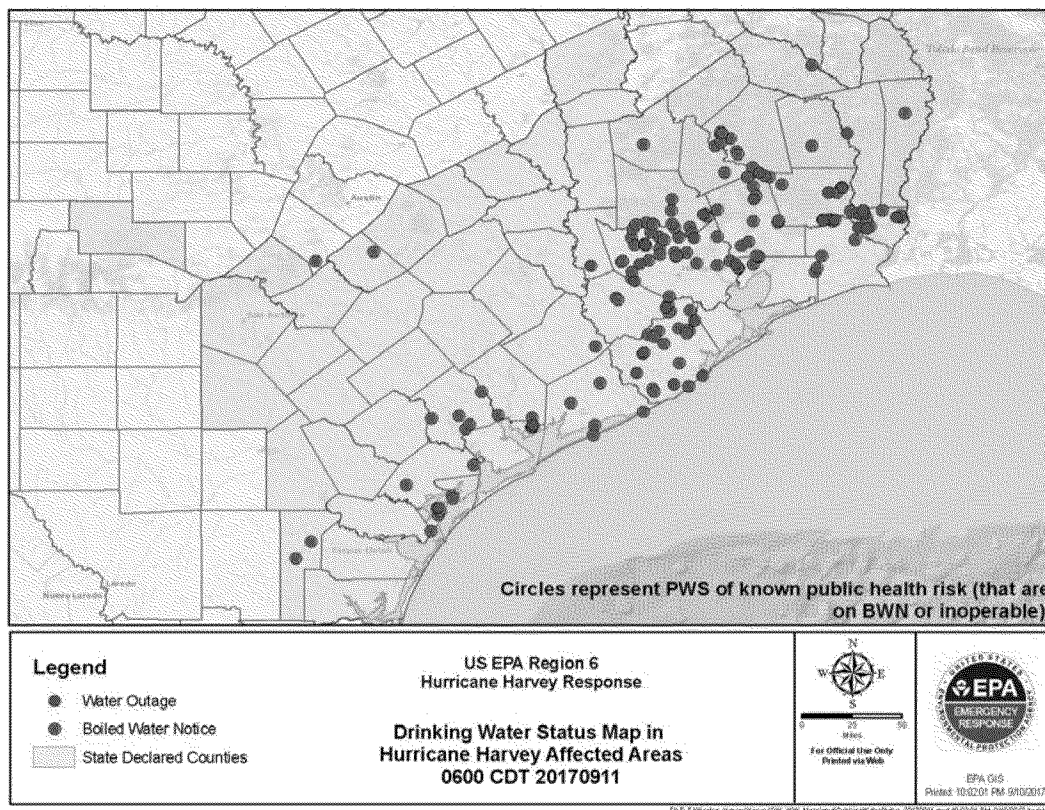
The Branch prepared the staging pad to receive orphan containers from recovery operations.

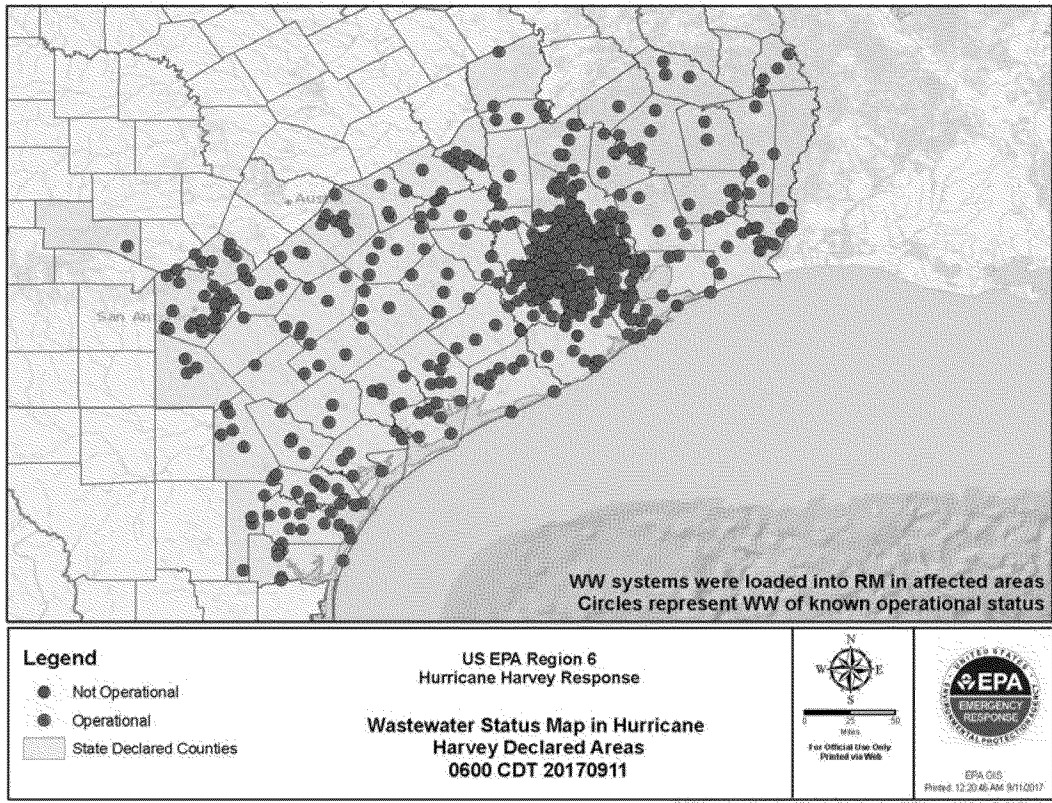
The Emergency Response team completed the removal of oil released from an antique train in Bryan Park in Port Arthur, TX. The incident was reported to EPA by the Jefferson County Emergency Manager.

DRINKING WATER / WASTEWATER ASSESSMENTS

Fifteen EPA personnel are providing support to TCEQ for drinking water and wastewater system assessments in the Houston Branch.

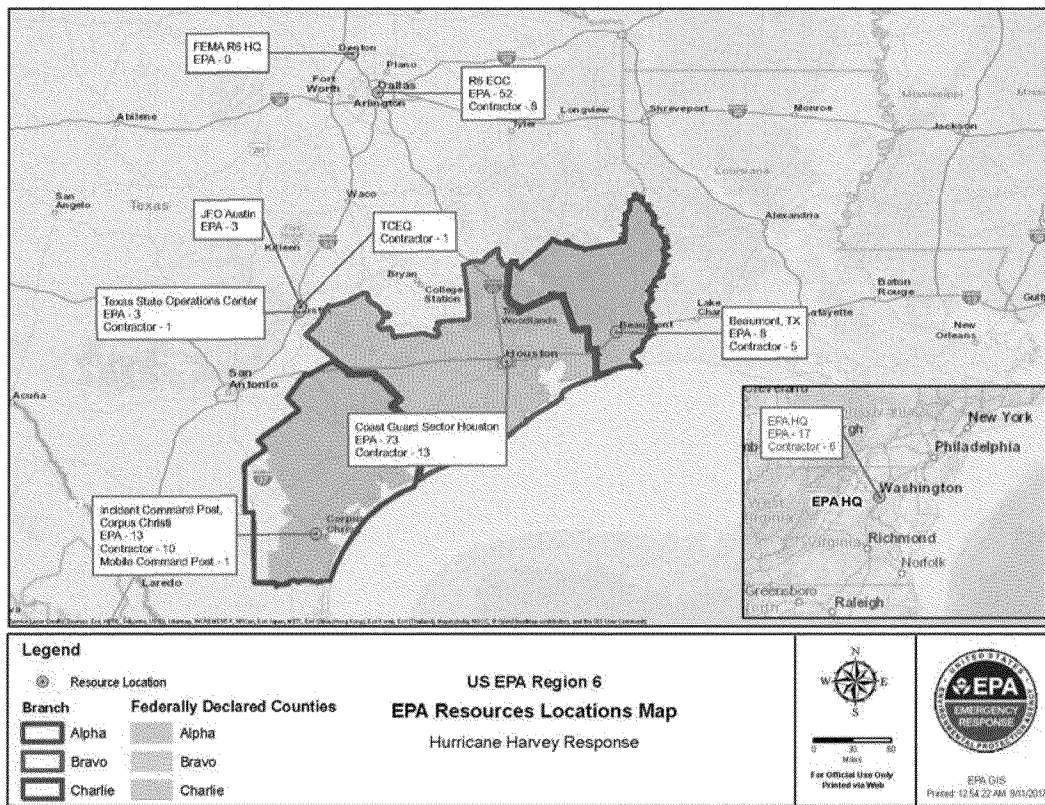
Drinking Water and Wastewater Assessments (September 10, 2017)		
Assessment Types	Daily Assessments	Total Assessments
On-Site DW Assessments	44	391
On-Site WW Assessments	24	265
Phone DW Assessments	33	5033
Phone WW Assessments	4	3027





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	52	0	3	3	0	73	14	8	17	170
START	8			1	1	13	10	5		38
ERRS						19	6	5		30
Other Contractors	1								6	7
TOTAL	61	0	3	4	1	105	30	18	23	245



FUNDING

SitRep							
September 10, 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	\$30,512.00	\$212,229.00	\$2,848.00	74.52	
MA 4332DR-TX-EPA-03	\$10,092,000.00	\$8,908,113.00	\$5,972,473.41	\$2,935,639.59	\$323,516.01	9.07	
Totals:	\$10,367,000.00	\$9,150,854.00	\$6,067,185.41	\$3,147,868.59			
** Indirect costs represent the money the Cincinnati Shared Service Center takes off the top to manage the Mission Assignments							
NOTE: This report includes estimated cumulative costs of the HQ EOC charging under MA#03. Awaiting clarification on the start date for charging the Mission Assignment, but at this time all estimated costs to date(9/10/17) are included							

REFINERIES / FUEL WAIVERS

- EPA extended the multi-state fuel waiver to September 26, 2017.
- 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, BBBB, and 30 Texas Administrative Code sections 115.212, .214.
- The Internal Revenue Service red dye fuel waiver to covers the entire state of Texas

FEDERAL SUPERFUND NPL SITES - (These activities are being done concurrently but outside of the current Mission Assignment)

- EPA directed potentially responsible parties or independently started collecting samples at 34 Texas Superfund Sites to confirm no releases due to storm impacts. EPA had five field teams sampling by September 11, 2017. Sampling has been completed at 11 sites. The sampling is part of a longer-term assessment that will be used to transition sites to their normal cleanup operations. Sampling will be completed by September 13, 2017, with preliminary un-validated results expected by September 16, 2017.
- All 43 Federal Superfund NPL Sites in the affected area have been assessed. Of these, 41 sites have been cleared, and two sites (San Jacinto Pits and US Oil Recovery) require additional follow-up.
 - U.S. Oil Recovery Update: The potentially responsible party continues to pump down Lift Station #1 to maintain freeboard and continues to coordinate repair/replacement of the damaged/displaced plugs in the piping in the lift station and sand filter. The freeboard level in the lift station is close to being stabilized.
 - San Jacinto Waste Pits Update: Cap repairs are complete on the western part of southern berm while repairs continue on the remaining berm sections. Manual probing of capped areas, is expected to be completed on September 11, 2017. Three areas on the northwest part of the cap were identified for further investigation. The EPA Dive Team will conduct a dive on September 11, 2017 to collect sediment samples from areas identified as missing armor stone. Additional sediment samples will be collected from the western cell.



Corpus Christi (Alpha) Branch – EPA Staff doing Hazard Evaluation by Debris Pile



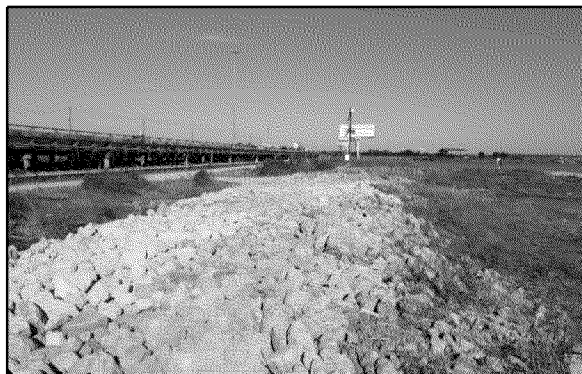
Houston (Bravo) Branch – Waste Pad Preparation



Alpha Branch – EPA OSCs Sampling Drums at Pad in Level B



Bravo Branch – EPA OSC working with USCG on Container Removal



San Jacinto Pits: Completed repairs on the western portion of the southern berm.



San Jacinto Pits: The potentially responsible party continues with cap repairs on western cell and central berm.