



Situation Report

Michael Response and Recovery - Southeastern U.S. - 12 Oct 18 (Update 05)

Date As Of: 10/12/2018 21:23:18	Sitrep Update #: 05
Incident Start Time: 10/11/2018 03:16:18 Incident End Time: Ongoing	Incident Location: Southeastern U.S
Impacted Sectors: Commercial Facilities, Communications, Dams, Emergency Services, (Emergency Management), Energy, (Oil), (Natural Gas), (Electricity), Healthcare and Public Health, Nuclear Reactors, Materials and Waste, Transportation Systems, (Aviation), (Maritime Transportation Systems), (Mass Transit and Passenger Rail), (Freight Rail), Water and Wastewater systems	Reported Cause of Incident: Natural Disaster
Interagency Coordination: FEMA DOE NHC	On Scene Agencies: FEMA
Owner/Operator(s) Involved: None Identified	Source of Information: National Hurricane Center, Department of Energy, FEMA, Railway Alert Network, IP Region IV

Incident Summary:

OVERVIEW

Hurricane Michael made landfall near Mexico Beach, Florida as a category 4 storm on Wednesday October 10 and then moved across the southeast of the U.S., across Georgia, South Carolina, North Carolina, and southeastern Virginia on October 11, before moving into the Atlantic. Michael caused significant damage to portions of the Florida Panhandle and southwestern Georgia and resulted in numerous power outages across the affected region.

KEY POINTS

- Substantial structural damage has occurred along the Florida coast across the Panama City and Mexico Beach areas.
- Assessments and local search and rescue operations are concentrating in and around these areas.
- Wide Spread power outages continue to be seen throughout the southeastern and mid-Atlantic states while efforts continue to restore cell phone and internet coverage.
- Clean up and repair efforts have commenced and fuel concerns have been expressed, and are being handled at the state level.

CRITICAL INFRASTRUCTURE SECTOR IMPACTS

COMMUNICATIONS



National Protection and Programs Directorate Office of Infrastructure Protection

The National Cybersecurity & Communications Integration Center (NCCIC) National Coordinating Center for Communications (NCC) reports, Emergency Support Function (ESF) #2 partners continue to assess damage and coordinate disaster response and recovery efforts. 10 switching centers are out of service and 18.8 percent of cell sites are out of service.

IP Region IV reported, in Florida, emergency communication crews attached to Emergency Push Teams and Florida Department of Transportation teams are providing critical communications to coastal communities. In Georgia, communication outages are spread primarily in the southwest portion of the state. In southeastern Alabama, several cell sites are on back-up power and there are currently no unmet needs.

Preliminary reports indicate very limited impact to the wireline networks within Florida and Georgia, while networks within Alabama are fully operational. Reports also indicate minimal impact to broadcast capabilities. There has been minimal impact to broadcast (TV and radio) capability.

In Florida, cellular networks are about 69 percent available, in Georgia cellular networks are about 85 percent available and in Alabama cellular networks are 90 percent available.

FOOD AND AGRICULTURE

Georgia's Department of Agriculture reported losses to the state's crops, animals, and infrastructure due to the storm. Officials Reported 84 chicken houses, estimated to have held more than 2 million chickens, were destroyed. Heavy winds also damaged much of the state's cotton crop

HEALTHCARE AND PUBLIC HEALTH

The Department of the Interior reports several medical facilities in the impacted areas remain closed or evacuated, including hospitals, nursing facilities dialysis centers, and assisted living facilities. Disaster Medical Assistance Teams (DMATs), ambulances, and other emergency health and medical assets are staged or are being deploying to provide response and recovery support.

Four hospitals in Bay County, Florida, and one in Port St. Joe, Florida, sustained significant damage.

ENERGY (Electricity)

The Department of Energy (DOE) reports power outages remain high in states previously affected by the storm. Florida, Georgia, North Carolina, and Virginia continue to have the most power outages. However, those numbers continue to show a downward trend. Downed trees, flooding and other debris continue to present an obstacle to crews reaching some areas to assess damages and initiate work to restore power. In some areas, the infrastructure is severely damaged, meaning the response and recovery effort will entail not just restoration but rather full scale rebuilding. Estimated restoration timelines will begin to be developed once damage assessments have been completed.

As of 1600 EDT on 12 Oct, the Farley Nuclear Plant (Alabama), Unit 1 had been powered up to 56% and Unit 2 had been powered up to 54%. Reactors will be powered up to meet demand as needed. No damage was reported due



**National Protection and Programs Directorate
Office of Infrastructure Protection**

to the storm.

GEORGIA

ESF-12 reports the Bainbridge and Albany Fuel Distribution Terminals have reopened and are 100 percent operational.

Georgia Power reports it anticipates having Savannah, Augusta, and all coastal areas restored to 100 percent by midnight on 12 Oct.

(Oil and Natural Gas)

As of 1430 EDT on 12 Oct, IP Region IV reports the CITGO Petroleum Corp. Niceville Terminal and the Murphy Oil Freeport Terminals cannot receive barge traffic due to the closure of the Gulf Coast Intracoastal Waterway (GICWW). A small percentage of gas stations also remain out of service. There has been some shutdown of oil and natural gas production in the impacted areas, but little to no impact on fuel production is expected regionally or nationally.

The Williams pipeline (Alabama), which previously evacuated all of their offshore platforms, is now operating at 100 percent.

TRANSPORTATION SYSTEMS

(Maritime Transportation System)

FEMA report, all ports within the affected areas have opened with the exception of the Port of Panama City.

(Highway and Motor Carrier)

As of 1430 EDT on 12 Oct, IP Region IV reports road closures are gradually decreasing within the affect areas.

(Aviation)

As of 1430 EDT on 12 Oct, preliminary reports indicate most airports within the affected areas have reopened with normal operations.

(Freight Rail)

The Department of the Interior reports, railroad assessment and response crews have begun to restore train operations in impacted areas as conditions allow. The Federal Railroad Administration reports response crews have initiated efforts to restore train operations in storm-impacted areas – as safe conditions allow. Significant concerns are the wind damage causing downed trees and restricting pathways to complete assessments.

An additional area of focus is the Carolinas where heavy rainfall from Tropical Storm Michael may cause renewed flooding in areas where river levels remain elevated due to lingering effects of Hurricane Florence.

WATER AND WASTEWATER SYSTEMS

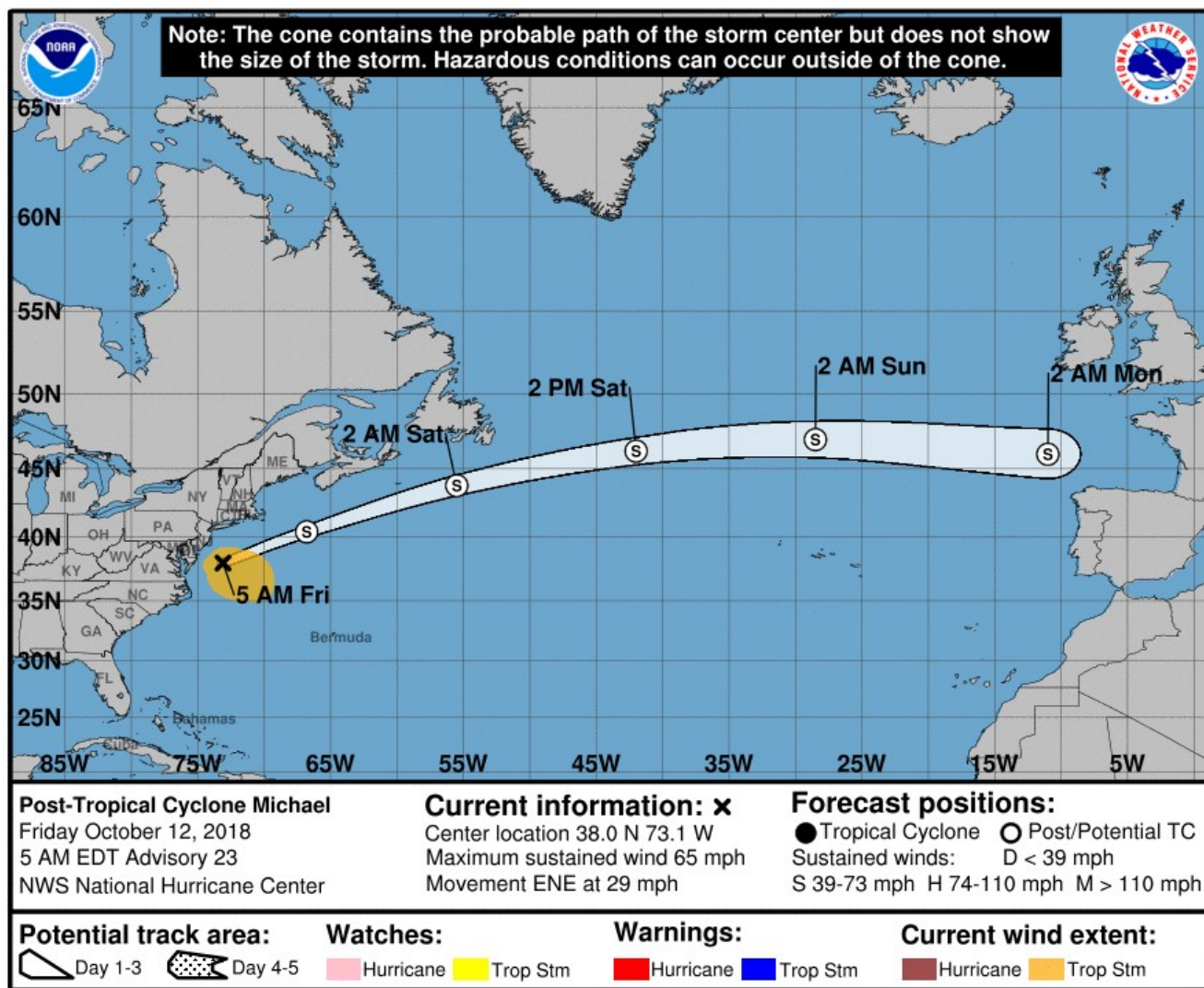
(TLP: GREEN)



National Protection and Programs Directorate
Office of Infrastructure Protection

The U.S. Environmental Protection Agency (EPA) has developed comprehensive information on potential impacts to National Priority Site list and is evaluating the need for post-landfall assessment at the sites. ESF #10 continues to conduct overflight of prioritized oil and hazardous material facilities in impacted area, and the EPA is coordinating with state officials to define the need for future missions.

IP Region IV reports in Georgia, 50 water system facilities are shut down and not providing water due to lack of power.



Traffic Light Protocol (TLP) Recipients may share **TLP: GREEN** information with peers and partner organizations within their sector or community, but not via publicly accessible channels. Information in this category can be circulated widely within a particular community. **TLP: GREEN** information may not be released outside of the

(TLP: GREEN)



National Protection and Programs Directorate
Office of Infrastructure Protection

community.