



Situation Report

Tropical Storm Florence - Atlantic Ocean - 14 Sep 18 (Update 07)

Date As Of: 09/14/2018 21:21:27	Sitrep Update #: 07
Incident Start Time: 09/09/2018 00:00:46 Incident End Time: Ongoing	Incident Location: Atlantic Ocean
Impacted Sectors: Communications, Dams, Emergency Services, Energy, (Oil), (Natural Gas), (Electricity), Government Facilities, (Educational Facilities), Healthcare and Public Health, Nuclear Reactors, Materials and Waste, Transportation Systems, (Aviation), (Highway and Motor Carrier), (Maritime Transportation Systems), (Mass Transit and Passenger Rail), (Freight Rail)	Reported Cause of Incident: Hurricane Florence
Interagency Coordination: Summary	On Scene Agencies: IP Region 2, 3, 4 FEMA Region 2, 3, 4
Owner/Operator(s) Involved: IP Region 2, 3, 4 FEMA Region 2, 3, 4 Federal Railroad Administration (FRA)	Source of Information: National Hurricane Center, Federal Railroad Association, National Risk Management Center (NRMCC), The US Department of Energy (DOE)

Incident Summary:

OVERVIEW

As of 1700 EDT on 14 Sep, the National Hurricane Center downgraded Hurricane Florence to a Tropical Storm. The North Carolina Coast had been experiencing sustained hurricane-force winds as Florence was located 50 miles west-southwest of Wilmington, NC and 35 miles northeast of Myrtle Beach, SC. Florence is moving west near 3 mph with maximum sustained winds at 70 mph with higher gusts, mainly over water. Significant weakening is expected over the weekend as Florence moves farther inland.

KEY POINTS

Florence is expected to produce a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. Coastal flooding and total rainfall accumulations of 20 to 30 inches with isolated totals of 40 inches across Southeast North Carolina and along the South-North border, six to ten inches over much of the Carolinas and parts of Virginia, and one to four inches for parts of the Northeast U.S. The slow movement of the storm along the coast will prolong storm surge impacts and significant rainfall amounts and river flooding.

CRITICAL INFRASTRUCTURE SECTOR IMPACTS

COMMUNICATIONS

As of 0530 EDT on 14 Sep, National Coordinating Center for Communications (NCC) stated there are 323 reports



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from five companies are operating with 10,522 cell locations operating at 99.9% up and operational. Additionally, there are 84 Public Safety Access Point (PSAP) locations being reported representing 2.5 million customers with no reported outages or impacts.

TRANSPORTATION SYSTEMS

(Aviation)

As of 1200 EDT on 14 Sep, the Transportation Security Administration (TSA) reports the following airport statuses:

Charleston (CHS): Closed (First inbound flight at 1203 EDT 16 Sep)

Florence (FLO): Closed (Operations to resume 16 Sep)

Myrtle Beach (MYR): Closed (Operations to resume 15 Sep)

Pitt-Greenville (PGV): Closed (Operations to resume 24 Sep)

Coastal Carolina (EWN): Closed (Operations to resume 16 Sep)

Jacksonville (OAJ): Closed (Operations to resume 16 Sep)

Wilmington (ILM): Closed (Operations to resume 15 Sep)

Fayetteville (FAY): Closed (Operations to resume 15 Sep)

Augusta (AGS): American Airlines has cancelled all flights for 15 Sep

(Highway & Motor Carrier)

As of 1400 EDT on 14 Sep, IP Region IV PSA reported NC Department of Transportation had 22 road closures in effect.

As of 2041 EDT 13 Sep, the I-26 reversal had demobilized, and traffic returned to normal operations in South Carolina

(Maritime Transportation Systems)

On 14 Sep, the US Coast Guard (USCG) has set the following conditions:

- Maryland NCR: Baltimore and Washington DC are at Whiskey; open with restrictions
- Hampton Roads: Norfolk and Newport News are at Modified Zulu; select waterways are closed but ports are open with restrictions
- NC: Wilmington is at Zulu; closed due to loss of power and a stack of toppled containers breaching the perimeter fence.
- SC: Charleston is at Zulu; closed
- GA: Savannah is at Yankee; open with restrictions (DOE 0902 EDT email)

(Freight Rail)

As of 1400 EDT on 14 Sep, IP Region IV PSA reported CSXT has suspended all freight train service in southeastern and eastern NC. Some limited mainline service north of Rocky Mount continues. Normal CSXT operations continue in central and western NC.



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Norfolk Southern Freight Train Service has suspended all freight train service east of Raleigh. Limited service continues between Raleigh and Greensboro. Normal mainline service between Greensboro and Charlotte continues as does NS western NC service between Salisbury and Asheville.

FOOD, WATER, & SHELTER

As of 1400 EDT on 14 Sep, IP Region IV reported 59 general population shelters are open with an additional 17 shelters on standby.

GOVERNMENT FACILITIES

As of 0700 EDT on 14 Sep, NC SERT reports 65 school districts have closed.

ENERGY

(Electricity)

As of 2000 EDT on 14 Sep, open source reported over 680,000 customers without power in North Carolina, and over 131,000 outages for South Carolina.

(Oil & Natural Gas)

As of 1430 EDT on 14 Sep, the Department of Energy (DOE) reported the Enterprise Propane Terminal & Storage (EPT&S) in Apex, NC truck terminal is currently without power and will remain closed until further notice. The EPT&S propane terminals in Lexington, SC and Cheraw, SC have suspended loading operations until further notice. All three terminals possess adequate fuel supply once returned to full operation.

As of 0900 EDT on 14 Sep, DOE reported an NC Propane statement, the Dixie Pipeline feeding the terminal in Apex, NC would be shut down in anticipation of storm landfall. Colonial and Plantation Pipeline Companies' operations continue to be normal.

Colonial Pipeline mainlines are experiencing temporary communications issues with delivery facilities in eastern NC due to the storm.

As of 0900 EDT on 14 Sep, DOE reported Kinder Morgan said its liquid and bulk terminals are likely to experience partial or temporary shutdowns during the storm.

As of 0700 EDT on 14 Sep, retail fuel stations along the North and South Carolina coast are closed today as the storm makes landfall. Inland stations may continue to operate until later today. Resupply of retail stations will stop for 24-48 hours during the impact of the hurricane.

As of 1700 EDT on 13 Sep, DOE reported there are reports of localized retail fuel station outages due to increased demand from evacuees. Overall supply of gasoline across the region is at, or above, the five-year range. States are



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working closely with industry partners to expedite resupply shipments to impacted areas.

(Nuclear)

As of 1400 EDT on 14 Sep, IP Region IV Incident Response reported Duke Energy's Brunswick Nuclear Power Plant units 1, 2, and 3 are at mode 3 (Hot Shutdown). Essential staff are assembled and will remain onsite to support operations in accordance with procedures.

The Shearon Harris Nuclear Power Plant in New Hill NC is back to 100 percent power. Non-essential personnel were released but essential staff will remain on site to support operations in accordance with procedures.

The McGuire Nuclear Station near Charlotte NC unit #1 remains at 100 percent power. Unit #2 continues to reduce power in advance of their refueling outage scheduled for this weekend.

Brunswick Nuclear Power plant in Brunswick County NC reactor Units 1 and 2 are in shutdown Mode 3. Both units lost one offsite power line, but still have three available.

Harris, Summer, Robinson, and Vogtle reactor units are all operating at 100% power.

Westinghouse Fuel Cycle Facilities site was completely shut down at 1530 EDT on 13 Sep and only storm riders are on site.

HEALTHCARE & PUBLIC HEALTH

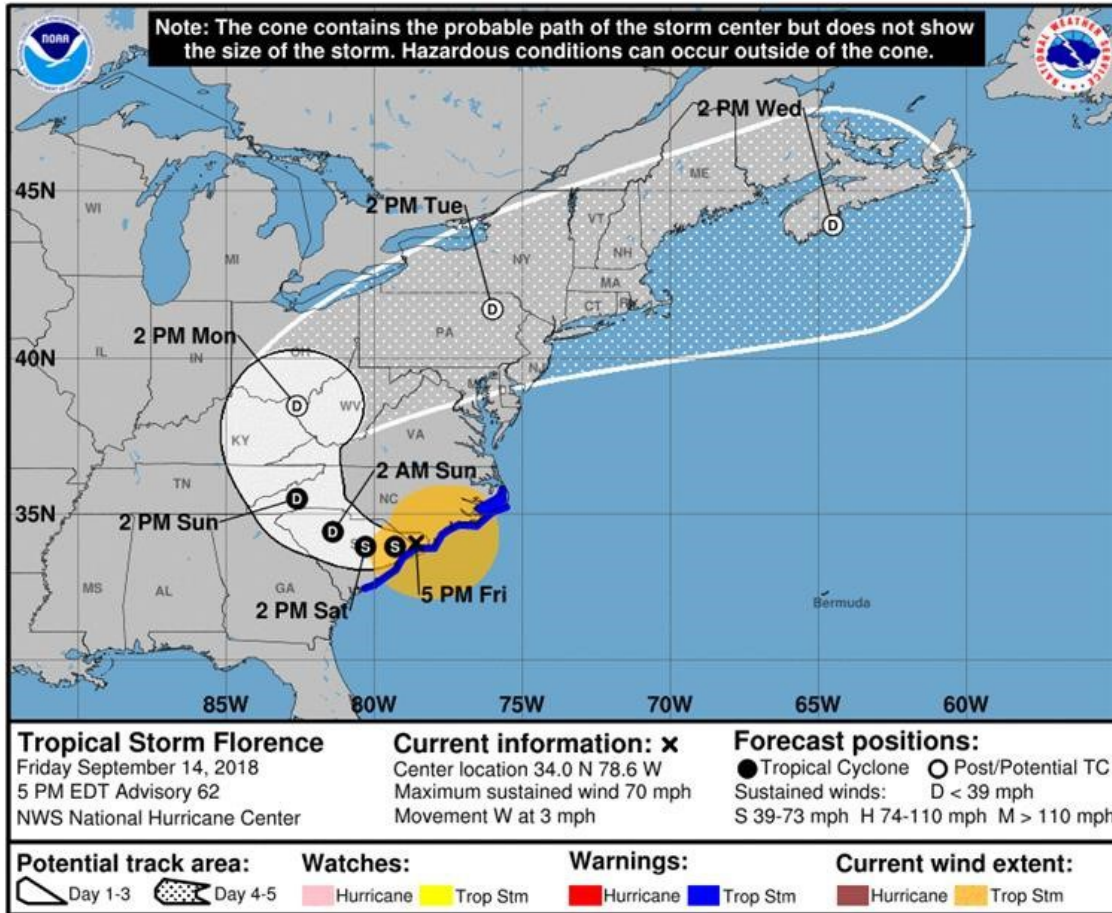
As of 1900 EDT on 13 Sep, the NRMCM identified the I&O Medical Center as a lifeline infrastructure potentially at risk. The risk is due to inland flooding in areas with expected precipitation greater than four inches over the next one to seven days. This is based on the NWS cumulative seven day quantitative precipitation forecast in central and south Virginia.

As of 1400 EDT on 14 Sep, IP Region IV confirmed seven hospitals have closed or will close today, with approximately 2,200 patients evacuated.

(TLP: GREEN)



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(TLP: GREEN)