


# City of Columbia Incident Response Brief



September 2, 2016 – 10 AM

## Tropical Storm Hermine


The following is a status update for the City of Columbia's incident response to Tropical Storm Hermine. [Updates as of 10 a.m.](#)



**Clear**

**70** 84 ↑  
64 ↓

Feels Like: 70°  
0%



**RADAR**

The good news is as the system lifts up the east coast, our Labor Day Weekend looks fabulous.


Expect sunshine and highs in the 80s Saturday through Sunday with lows in the 60s.


The beaches are also in pretty good shape but be extra careful for dangerous rip currents all weekend along both north and central

Wind: **at 6 mph**

Humidity: **61%**


UV Index: **9 Very High**


Sunrise:  **6:59 am**

Sunset:  **7:46 pm**

Moonrise: **8:59 am**

Moonset: **9:11 pm**

Moonphase:  **Waxing Crescent**



**Sunny**


**73°**

0%

Wind: **NNW**  
**at 7 mph**

Humidity: **61%**

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**Sunny**


**77°**

0%

Wind: **NNW**  
**at 6 mph**

Humidity: **57%**

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**Sunny**


**78°**

0%

Wind: **NNW**  
**at 6 mph**

Humidity: **58%**

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**Sunny**

**80°**

0%

Wind: **NW**  
**at 5 mph**

Humidity: **55%**

**OVERVIEW OF CITY OPERATIONS:** [Updates indicated in blue.](#)

### PUBLIC SAFETY



#### Police Department (CPD) - 10 AM Update

- [No additional homeless was transported since last briefing](#)
- [No displaced families transported since last briefing](#)
- [No pre staged barricades were used to block know flood prone locations during the entire weather event.](#)
- [All weather related traffic control points are clear](#)

- CPD has resumed normal day to day operations.
- Large tree down at Palmer and Kilbourne and Power lines down on 1200 Palmer. CPD has established a traffic control point at this location.
- Beltline and Trenholm and Beltline and Devereux lights are out because of a blown transformer that is sparking. CFD and SCE&G are on scene CPD is providing traffic control
- CPD units remain at a traffic control point at Main and Sunset. This traffic control point is expected to be cleared within a couple of hours.
- Trenholm and Adger is still closed for a fallen tree, leaning tree, and down power lines.
- 4000 Timberlane still closed with barricades for water on the roadway.
- CPD has transported 3 homeless people to Transitions.
- No displaced families have been transported the inclement weather shelter at this time.
- Weather related call volume has decreased since the briefing at 6:00pm.
- No pre staged barricades have been used to block know flood prone locations at this time.
- CPD units are directing traffic around some downed power lines on Elmwood Ave. and Trenholm Rd.
- No pre staged barricades have been used to block know flood prone locations at this time.
- CPD officers continue to patrol and monitor ponding on the roadways and detouring traffic around roadway obstructions created by falling trees. CPD continues to notify EOC of all temporary road closures and openings.
- CPD will be notifying the homeless that Transitions is open and providing shelter. CPD will also be periodically patrolling Transitions during the remainder of this weather event.
- Propositioned barricaded verified and a plan is in place for deployment
- All road closures will be reported to Emergency Operations Center (EOC) via CPD Command channel
- CPD high water vehicles are prepped and on standby
- Region portable generators are deployed and on standby
- CPD prepared for early dismissal at Richland School District 1 schools
- Heavy traffic flow on Forest Dr. and Devine St.
- Water on the roadway on Timberline Dr. Tree on top of parked/unoccupied vehicle at 327 Whaley St. Officers on scene. Request to Public Works
- Car accident 1500 block of Taylor St. – Preliminary Info: Single car hydroplaned and hit two unoccupied/parked cars. No injuries reported/Driver did not require transport to hospital. Traffic Safety Officer is investigating
- Sunset Dr./North Main St. – Flooding reported. CPD Officer requested barricade also reports of downed tree partially blocking roadway. Dispatch is notifying tree division. Officer en route



## Fire Department (CFD) 10 AM Update

### **Current and Planned Objectives:**

- CFD Operations has demobilized
- CFD is out of Storm Mode and has returned to normal operations
- Maintain Fire and all Hazards Emergency Response
- Ensure Public Safety of Fire and Life Safety Issues

### **Operational Readiness:**

- 4-2 firefighter boat teams that are strategically stages throughout CFD response areas during Hermine have all been demobilized. CFD is working at full, normal, staffing.

### **Current Conditions (2100-current)**

- BAT 1
  - Nothing new to report
- BAT 2

Station 20 is continuing to run on emergency power (generator) . However at the time of this update, Mid Carolina Power is working to restore normal service. We expect to have that station back up within the hour.
- BAT 3
  - Nothing new to report
- BAT 4
  - Nothing new to report
- BAT 5
  - Nothing new to report

### **Current and Planned Objectives:**

- CFD Operations has demobilized
- Fire 6 is being staffed by Division Chief Scotty Jacobs (F13) 803-730-3468 and Battalion Chief Brantley Hanna (acting Fire 6) 803-413-5326
- All non-emergency incidents (down trees/power lines, blocked roadways, etc) will be communicated with CRC-911 and directed to appropriate agency
- Any overnight significant incidents advise Assistant Chief Jamie Helms (F3) 803-429-5551
- Provide SITREP w/ photo to F3 via text (803-429-5551) & Captain/PIO Brick Lewis (F10) 803-413-8555
- CFD is out of Stormn Mode and has returned to normal operations
- Maintain Fire Coverage
- Ensure Public Safety of Fire and Life Safety Issues

### **Operational Readiness:**

- 4-2 firefighter boat teams that are strategically stages throughout CFD response areas and will remain on duty until 0745 tomorrow (September 3<sup>rd</sup>)

### **Current Conditions (1400-current)**

- BAT 1
  - Nothing new to report
- BAT 2
  - Station 20 is continuing to run on emergency power (generator) due to power outages in area
- BAT 3
  - Nothing new to report
- BAT 4
  - Nothing new to report
- BAT 5
  - Nothing new to report
- Maintain Fire Coverage
- Ensure Public Safety of Fire and Life Safety Issues
- Ensure readiness of storm related response (water rescues, flooding, downed power lines and trees)
- Ensure availability Food and Water for Essential Personnel in the event of a prolonged event
- Evaluating on an hourly basis and communicating with other fire departments to our South, to determine the timing of the need to provide additional staffing and manpower needs in the coming days

### **Operational Readiness:**

- *CFD is currently in Storm Mode & has assigned BAT aides to Suppression BAT*
- *CFD Operations is operational at CFD HQ, 2<sup>nd</sup> Floor (803-545-3702 or CFD ADMIN 1)*
- *All Water assets are readied*
  - *4 boats operational in BAT 1 for deployment*
- *Additional Chain saws for light debris removal have been disbursed across response districts*
- *All Station generators, both City and County have been inspected for readiness (Stations 11 & 13 are currently running on generators due to power outages in area)*
- *Staffing and Resource Plans for OPCON levels have been developed*
- *Fire Department has enough MRE and Water for one 12 hour operational period (plans are being developed for extended operational periods)*
- *Fire Department making preparations for Mutual Aid Calls, Firefighter Mobilization or State EMAC requests*
- *Regional Search and Rescue Team have been alerted for readiness and availability. (NO ACTION TAKEN)*



Columbia-Richland 9-1-1 Communications (CRC) Center 10 AM Update

- CRC 9-1-1 resumed normal operations effective 1900 hours 09/02/16.
- CRC has terminated EOC Tactical Dispatch Support. Will remain on -call on an as needed basis.
- No significant increase in call volume.

	09/02/2016	09/02/2016	Event Total
<b>Phones</b>	<b>(07:00 - 19:00)</b>	<b>(19:00-07:00)</b>	
<b>911</b>	<b>863</b>	<b>394</b>	<b>1,257</b>
<b>Admin</b>	<b>925</b>	<b>502</b>	<b>1,427</b>
<b>Daily Total</b>	<b>1788</b>	<b>896</b>	<b>2,684</b>
<b>Agencies</b>			
<b>CPD</b>	<b>382</b>	<b>274</b>	<b>656</b>
<b>CFD</b>	<b>122</b>	<b>57</b>	<b>179</b>
<b>RCSD</b>	<b>329</b>	<b>153</b>	<b>482</b>
<b>RCEMS</b>	<b>134</b>	<b>87</b>	<b>221</b>
<b>Daily Total</b>	<b>967</b>	<b>571</b>	<b>1,538</b>

- CRC 9-1-1 is resumed normal operations effective 1900 hours.
- We are fully staffed and will make adjustments up or down based on call volume.
- CRC has terminated EOC Tactical Dispatch Support. Will remain on –call on an as needed basis.
- No significant increase in call volume.
- CRC 9-1-1 is currently operating under Emergency Standby Status.
- Staffing levels are elevated and will be adjusted accordingly based on call volume and demand.
- CRC has provided requested support to the COC EOC – 1 Tactical Dispatcher, and will continue coverage as needed.
- No significant increase in call volume.

<b>Phones</b>	<b>(07:00 – 19:00)</b>
<b>911</b>	<b>863</b>
<b>Admin</b>	<b>925</b>

<b>Daily Total</b>	<b>1788</b>
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<b>CFD</b>	<b>122</b>
<b>RCSD</b>	<b>329</b>
<b>RCEMS</b>	<b>134</b>
<b>Daily Total</b>	<b>967 – Sept. 2 (10 PM)</b>

## **PUBLIC WORKS DEPARTMENT - 10 AM Update**

### Animal Services

- Animal Service will be operating on a normal schedule and will respond as needed. Small staff remains to assist customers as needed, on call personnel available. Animal Service on call personnel available. Continues to be on-call duty only. [No changes.](#)

### Forestry & Beautification

- Forestry & Beautification will be assisting with cleaning storm drain tops in flood prone areas. Crews are also prepared to respond for any trees/limbs which may fall during the event. There are current 4 calls for trees down. Staff remains on duty. All roads clear, there are two locations with power line issues before they can be cleared, 1200 Shady lane and Old Woodlands and Indian Mound. Trenholm Road has been re-opened with SCDOT clearing the roadway. We have received one additional call since the 6:00 briefing that is being cleared now. There is still one tree on a house on Woodlake drive which is scheduled to be removed by a contractor on Saturday Morning. All other obstructions have been cut back from the roadways. [Forestry Staff receive three additional calls last night and this morning, all trees were cutback from the roadway. The debris remains at several sites and will be removed by Public Works staff beginning Tuesday of next week.](#)

### Solid Waste

- Solid Waste crews are operating on a normal schedule with Garbage, Recycling, Trash Collection and Street sweeping occurring. They will assist Forestry with debris in the roadways if needed. Crews are still operating on a normal schedule. A small group of Solid Waste staff members remains to assist forestry in debris removal. Crews assisting Forestry have completed their task and all daytime operations have concluded. [No changes.](#)

## Street Division

- Street Division staff will be operating throughout the City focusing on cleaning and maintaining storm drains. Staff is prepared if flooding occurs to set up pre-positioned barricades or deliver to additional locations if needed. Minor low lying areas (1) currently experiencing water on road. No changes at this time. Most minor road flooding has receded. Staff has received no additional calls since 6 p.m. [No additional calls were received overnight for service.](#)

## Traffic Engineering

- Traffic Engineering will be operating on a normal schedule and will respond as needed. No issues to report. Traffic Engineering received two calls, one for a sign leaning and one for a traffic light that was turned. Down to on call only. No additional calls have been received since 6 p.m. [Traffic Staff responded to one additional call early this morning for a flashing traffic signal.](#)

## **POWER OUTAGES:**

SCE&G reported the following power outages. They are working to restore service.

- Elmwood Ave. at Assembly St.
- Elmwood Ave. at Sumter St.

## **UTILITIES & ENGINEERING DEPARTMENT – 10 AM Updates**

### Water Plant(s) and Distribution System:

- Operation at both the Canal and Lake Murray WTPs is normal.
- Chemical inventories are sufficient at each plant.
- Canal water levels are stable and within normal range.
- Distribution system operation currently normal.
- Three minor water main breaks reported, isolated and/or repaired:
  - 3919 Kilbourne Rd
  - Bethel Church and Covenant Rd
  - Cockspur Rd

### Wastewater Plant and Collection System:

- Operation parameters are within range:
  - Influent flow to plant: 60.8 MGD
  - Effluent flow discharged: 38.6 MGD
  - Influent Pump Station Level: 102.6 ft.
  - EQ Basin level: 124.5 ft. (approx. range: 115.5 – 132.5)
- Essential equipment is operational
- Chemical inventory sufficient
- Stations in High Level:
  - Three Rivers PS
  - SR PS
- Stations with No Power: None
- Collection system staff are checking critical manholes and monitoring smart cover manholes online. All levels are back to normal.

- Confirmed Sanitary Sewer Overflows:
  - 347 East Lake Trail

Water Plant(s) and Distribution System:

- Operation at both the Canal and Lake Murray WTPs is normal. Both plants experienced brief power outages this afternoon, but emergency generators engaged with minimal impact to customers. Utility power restored quickly to both facilities.
- Chemical inventories are sufficient at each plant.
- Canal water levels are stable and within normal range.
- Distribution system operation currently normal.
  - Power outage this afternoon in Southeast portion of system impacted Bitternut Pump Station and San Marco Tank and Pump Station. Utility power restored quickly with no customer impact.
  - Power outage this afternoon at Chapin Pump Station. Emergency generator engaged and utility power restored within 30 minutes. No customer impact.

Wastewater Plant and Collection System:

- Operation parameters are within range:
  - Influent flow to plant: 130.6 MGD
  - Effluent flow discharged: 48.6 MGD
  - Influent Pump Station Level: 104.1 ft.
  - EQ Basin level: 122.1 ft. (approx. range: 115.5 – 132.5)
- Essential equipment is operational
- Chemical inventory sufficient
- Stations in High Level:
  - Atlas Road PS
  - Quail Creek PS
  - Harbison 4 PS
  - SR PS
- Stations with No Power: None
- Collection system staff are checking critical manholes and monitoring smart cover manholes online. The following SmartCovers are showing high levels:
  - 2217 Greenwyche
  - 4201 Canal Place
  - 714 Santee Avenue
- Confirmed Sanitary Sewer Overflows:
  - 5081 Brickyard Road
  - 1400 Peeples Street
  - 900 Gracern Road

Water Plant(s) and Distribution System:

- Operation at both the Canal and Lake Murray WTPs is normal.
- Canal WTP experience a brief power outage at 13:10, switched to generator power for approximately 5 minutes. Utility power restored quickly. Finished water discharge pressure reduced from 125 psi to 75 psi for approximately 2 minutes, then restored to 125 psi.
- Canal levels are stable and within normal range. Visual inspection performed at 14:30 revealed no trees down or cause for concern.
- Distribution system operation normal.



Wastewater Plant and Collection System:

- Operation parameters are within range:
  - Influent flow to plant: 117.4 MGD
  - Effluent flow discharged: 50.6 MGD
  - Influent Pump Station Level: 104.5
  - EQ Basin level: 120.75 ft. (approx. range: 115.5 – 132.5)
- Essential equipment is operational
- Chemical inventory sufficient
- Stations in High Level:
  - Atlas Road PS
  - Quail Creek PS
  - Harbison 4 PS
  - Broad River PS
  - WC PS
- Stations with No Power:
  - Bendale PS
  - Swandale PS
  - Green Lakes PS
- Collection system staff are checking critical manholes and monitoring smart cover manholes online. The following SmartCovers are showing high levels:
  - 2217 Greenwyche
  - 4201 Canal Place
  - 714 Santee Avenue
  - 25235 Risen Hopes
- Confirmed Sanitary Sewer Overflows:
  - 1548 Kathwood
  - 4546 Pine Grove Ct
  - 1721 West Buchanon
  - 22 Thistle Ct
- Metro WWTP reservoir is near empty in anticipation of needed storage
- Staff will be checking generators and fuel levels in anticipation of power outage
- Emergency vehicles fueled
- By-Pass pumps are staged and will be topped off with fuel today
- Extra emergency crews are on stand-by for call in as needed
- Updated telephone numbers for essential personnel will be prepared
- Smart cover test alarm was sent this morning
- We will continue to monitor the progress and weather forecast and make adjustments as necessary

**Water Works Preparation:**

Key personal have been briefed and readied for mobilization. Emergency contact list below:

<b>Tropical Storm Hermine Emergency Contact Information</b>		
	Office Phone	Cell Phone
<i>WATER WORKS</i>		
Clint Shealy	733-8682	240-6350
Jon Sherer	255-8160	917-5420

CANAL		
Canal Control Room	733-8336	
Canal Guard Shack	401-8845	
Gordon Alexander	733-8339	413-8281 / home 788-9917
Christopher Lampkin	733-8341	413-8990 or 1-843-991-8544
Gary Johnson	733-8336	673-3628
LAKE MURRAY		
Lake Murray Control Room	781-2181	
Lake Murray Guard Shack	749-5825	
Trey Varn	749-5854	727-0451 / 606-1053
David Sharpe	749-5858	600-2979 / home 781-8754

At both Water Treatment Plants the following activities have been completed:

- Chemical inventories verified
- Vehicles fueled and staged for deployment
- Construction areas and plant sites cleared of debris that may be wind blown

Columbia Canal preparation:

- Temporary pipe located and inventory in process
- Temporary pumping units located through supplier, supplier is on stand-by
- Canal will be inspected during and following storm event

#### **PARKS & RECREATION DEPARTMENT - No changes**

- Neighborhood parks and community recreation centers in the City of Columbia will not open Friday, Sept. 2.
- All activities and events including after-school programs, the outdoor pools and Pokémon Go in the Parks scheduled for Friday, Sept. 2 have been cancelled.

#### **CUSTOMER CARE DIVISION - No changes**

Date Implemented	Current Action
9/2/2016	Customer Care fully staffed until 5:00 p.m.
9/2/2016	Customer Care will revert to a skeleton crew at 11:00 p.m. (2 additional employees per shift of 2)
9/2/2016	Street Division established a storm event tree in Cityworks to track storm calls
9/2/2016	As of 12:55 p.m., 2 storm related calls have been received

Summary of storm related calls:

1. Tree on car – sent to 911
2. Fallen Tree
3. Dirty water

	Call Volume Report
9/2/2016	As of 12:59 p.m. 542 non-storm related calls

**09/02/2016 – 6 PM:** The City of Columbia Emergency Operations Center maintains with partial activation due to an increase in Operational Condition (OPCON) to level 4.

**09/02/2016 -10 AM:** The City of Columbia Emergency Operations Center began a partial activation due to an increase in Operational Condition (OPCON) to level 4.



OPCON 4 is the possibility of an emergency or disaster situation.

**09/01/2016 – 3 PM: City Cautions Drivers to avoid Flood-Prone Streets and Intersections**

The City of Columbia urges drivers to use caution when driving during severe weather. The

Main and Whaley	Wheat and Amherst	Harden and Read
Gervais and Laurens	Adger and Devine	Harden and Calhoun
Blossom and Henderson	Wheat and Sumter	Franklin and Marion
Blossom and Saluda	Wheat and Pickens	Franklin and Sumter
Harden and Santee	Heyward and Ravenel	Columbia College and N. Main
Monroe and Maple	Pickens between Wheat and Green	Bull and Laurel
Two Notch and Read	Barnwell and Pendelton	
<p><i>Disclaimer: Locations above are places known to be flood prone. Actual flooding locations will depend on storm strength, duration and location.</i></p>		

following streets and intersections are prone to flooding during heavy rain events. Please avoid these areas during and immediately after heavy rains.

**Safety Tips:**

- If you encounter a flooded street or intersection, turn around; do not attempt to drive through it. Water may be deeper than it appears and can hide many hazards (i.e. sharp objects, washed out road surfaces, electrical wires, chemicals, etc). A vehicle caught in swiftly moving water can be swept away in a matter of seconds. Twelve inches of water can float a car or small SUV and 18 inches of water can carry away large vehicles.
- Stay away from storm-damaged areas to include damaged or downed trees and power lines to keep from putting yourself at risk from the effects of severe thunderstorms.

- Continue to listen to a NOAA Weather Radio or to local radio and television stations for updated information or instructions, as access to roads or some parts of the community may be blocked.
- Help people who may require special assistance, such as infants, children and the elderly or disabled.
- Stay away from downed power lines and report them immediately.
- To assist with keeping the storm drainage system working properly we would ask that yard debris and other items not be placed adjacent or next to drainage structures.

For additional safety tips on driving when streets are flooded, visit <http://www.nws.noaa.gov/os/water/tadd/>.

If you notice a storm drain which is blocked by debris please notify the Public Works Street Division at 545-3780 during regular business hours and Customer Care at 545-3300 after 5:00 pm and on weekends. An alternate non-emergency number is 803-252-2911. For emergencies please call 911.