



We Are Columbia

City of Columbia Incident Response Brief

Oct. 8, 2015 – Nov. 6, 2015

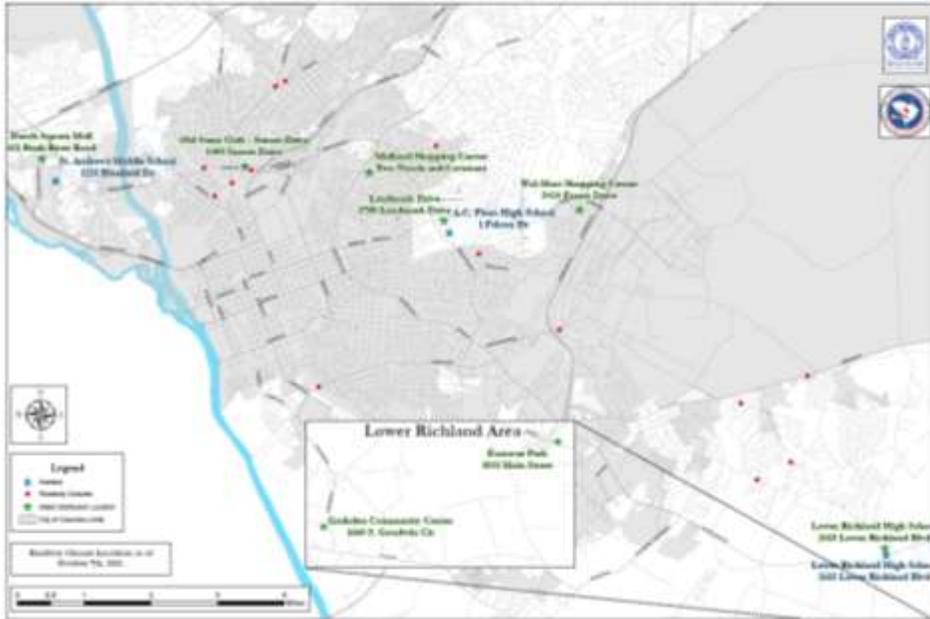
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Thursday, October 8, 2015

The following is a status update for the City of Columbia’s incident response to the October floods. Timeframes are noted below for each section.

Water Distribution, Road Closure & Shelter Map



<u>Water Distribution Sites</u>	<u>Hours of Operation</u>
Dutch Square (former Belk parking lot), 421 Bush River Road	8 a.m. - 6:30 p.m.
Midlands Shopping Center, 2638 Two Notch Road	8 a.m. - 6:30 p.m.
Former Sam’s Club parking lot, 1401 Sunset Drive	8 a.m. - 6:30 p.m.
Wal-Mart, 5424 Forest Drive	8 a.m. - 6:30 p.m.
3700 Landmark Drive	8 a.m. - 6:30 p.m.
Lower Richland High School, 2615 Lower Richland Blvd.	8 a.m. - 6:30 p.m.
Eastover Park, 1301 Main Street, Eastover, SC	8 a.m. - 6:30 p.m.
Gadsden Community Center, 1660 South Goodwin Cir. Gadsden, SC	8 a.m. - 6:30 p.m.

Water Buffalo

- Have access to as many tanks as we need
- Planning on 8 stations
- Taking water from reverse osmosis unit at Melrose.

- Need potable water tanker trucks to move water to tanks.
- Request submitted to City of Columbia EOC and they submitted it to the state. Waiting to hear back. City and state reps looking into sourcing tanker trucks.
- Would also like to request small office trailer for laboratory analysis equipment.
- FAQ:
 - Each Station will have elevated 275 gallon water tanks with valves on site.
 - This water is being provided by a reverse osmosis filtration unit. It has been tested and found to be safe to drink.
 - Stations will be set up and distributed at fire stations around the City of Columbia and filled by a water buffalo water truck.
 - “Please take what you need”
 - Stations will be monitored to provide enough water to each location.

Water System

- Canal breach
 - Moving forward. At this point, it is difficult to say when it will be completed due to delays. Might be at least 2 days before the bank can be stabilized.
 - Because power lines in the area were turned off, they were able to move in a crane last night.
 - Canal level went down 4 feet yesterday after restricting flow. The City’s raw water pumps are still able to pull some water into the Canal Plant. This is being supplemented by bypass pumping.
- Lake Murray Plant
 - Continues stable and full operation. Finished water quality is excellent and meeting standards.
 - Lifted BWA for Town of Chapin and Ballentine areas at 6:00 PM Wednesday. Although samples were clean for the entire Lake Murray Water Treatment Plant distribution system, concern over numerous small breaks in the Irmo area and the potential for Canal Water Treatment Plant water entering the northeast system prevented the entire portion of the Lake Murray distribution system from being lifted.
 - Monticello Road Pump Station (major distribution pumping station) operation restored on Wednesday afternoon.
- Canal Water Treatment Plant
 - Plant production
 - Finished water quality is excellent and meeting standards.
 - Only lost half a foot in reservoir last night – 3 to 3 ½ feet before it is critical
- Bypass pumping
 - Began working on bypass pumping plan earlier this week.
 - 4 bypass pumps are currently installed to pump water from the Canal into the Plant. An additional pump is being set up.
 - Working on bringing in at least 4 additional pumps to pull from the Broad River into the Plant. Estimate that Broad River pumping will start tomorrow.
- Distribution System
 - All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets

in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.

- Line break updates:
 - Completed Monday-Tuesday
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Completed Wednesday
 - Quail Hill Subdivision – Air removed and pumps filled Richland Tank and San Marco Tank. Customer Care is advising outage reportages to
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 18" line break between South Beltline and Veterans
 - Under Repair
 - 24" on Kay Street – Partially repaired. Awaiting a part for final repair; anticipate Monday completion.
 - 300' section out along Caughman Road from Benson to Dominion – has been isolated.
 - 3200 Fernandina Road
 - Overcreek – 6" broke in half at dam breach – Isolated
 - 10" break on Forest between Trenholm & Percival
 - Flooded
 - 4220 Shady Lane
 - Arcadia Lakes
 - Monticello and Cedar Creek

Wastewater System

- Metro Plant
 - The plant is fully operational. Water around the plant seems to be dropping slowly.
 - Equalization basin is at 129.4 ft. Max is 134-135.
 - Out of dewatered sludge storage roll off boxes; storing sludge in the online digesters. Have plans to use offline digesters as sludge storage tanks if new boxes not delivered soon.
 - Asking for assistance from EMD with using the rear entrance through Heathwood Hall to deliver these boxes.
 - Calculating 9-10 days of needed chemicals.
- Collection system
 - Crews in good spirits!

- Pump Stations
 - Mill Creek Pump Station pump #3 is being replaced.
 - West Columbia Pump Station lost the #3 pump and is operating with 3 pumps.
 - Saluda River Pump Station under evaluation. Starting to drain the #1 storage tank.
- SSOs
 - Not aware of any at this time.
 - Crews cleaning sites of previous SSOs
 - Inspecting critical areas for active SSOs
- Crews
 - 5 working on sewer line repairs
 - 4 running vacuum trucks
 - 3 responding to customer service calls
 - 3 doing SSO clean-up
 - 2 performing damage assessment in easements, critical manholes, and low lying areas
- Repairs or investigation
 - Reflections Subdivision mainline and easement
 - Caughman Rd mainline and easement
 - Quail Creek Rd mainline
 - Westwood Ave mainline and easement
 - Summerlea Dr easement and re-connect service line to main

Road Closures

- 2 City roads currently closed
 - Jim Hamilton Blvd.
 - Lost Creek Dr.

Service Calls

Columbia Richland Communications 9-1-1						
	10/4/2015	10/5/15	10/6/15	10/7/15	10/8/15 (00:01-08:00)	Event Total
CPD	631	554	650	605	133	2,573
CFD	1,014	225	159	156	25	1,579
RCSD	709	655	641	578	135	2,718
RCEMS	343	240	226	233	43	1,085
Daily Total	2,697	1,674	1,676	1,572	336	7,955

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CRC Call Volume						
911	4,653	2,075	1,775	1441	258	10,202
Non-Emergency	1,762	2,308	2,123	1818	233	8,244
Daily Total	6,415	4,383	3,898	3,259	491	18,446

*Daily Totals reflect 24 hour period beginning at midnight daily.

Customer Care Center						
	10/4/15	10/5/15	10/6/15	10/7/15 9a - 5 p		Event Total
Daily Total	6,562	4,390	2,633	2,554		16,139

Law Enforcement

Wed. October 7th – Thur. October 8th

Shift: Night (1800-0600)

Manpower: (Total on Duty) 161 Vehicles used:

EOC: 12

Downtown (Capt. Yates): 37

West Region: 9

North Region: 19

Metro Region: 19

East Region: 8

South Region: 15

Assisting Agencies:

RCSD: 5 (Lake Katherine) (1800-0600)

Lexington PD: 8 (Lake Katherine) (1800-0600)

Greenville PD: 10 (Lake Katherine) (1800-0000)

SLED: 13 (Lake Katherine) (1800-0600)

SCDC: 6 (Lake Katherine) (1800-0600)

Road Closures:

North Region

1. 5000 North Main St – Sinkhole (Barricaded)
2. 6800 North Main St – roadway washed out (manned)

Below are for road compromises at 400 Sunset and 1400 Sunset

3. 1400 Sunset – Roadway compromised (manned)
4. Sunset and River – Roadway compromised (Manned- have requested barricades)
5. Main & Anthony- roadway compromised (Manned)
6. Main & Sunset – Roadway compromised (manned)

Metro region

1. 3200 Pinebelt Rd – Roadway caved in (Barricades)
2. 3400 Foxhall Dr – Roadway caved in (Barricades)

South region

1. Shop Road at S. Beltline – Structural Damage (DOT Barricade/Cones)
2. I-77 at the Bluff Rd exit ramp – Structural Damage (DOT Barricade/Cones)
3. 4600 Devine Street bridge – Structural Damage (Active 10-54 by personnel)
4. Jim Hamilton Blvd (West bound) – Structural Damage(DOT Barricades/Cones)
5. Crowson Rd (small bridge leading to Marshalls) – Structural Damage(DOT Barricades/Cones)
6. E. Buchanan and Beltline – Structural Damage (DOT Barricades/Cones)
7. 4400Ft Jackson Blvd – Sink hole (Manned with Barricades)

East Region

1. 300 Spears Creek Church Rd – Washed out (Barricades)
2. 3600 Percival to Smallwood – Washed out (Barricaded at one end Officer at other) Requested NO THRU TRAFFIC sign and additional barricades)

*As conditions change, the roadways may be opened.

Notable Calls for service related to weather: 0

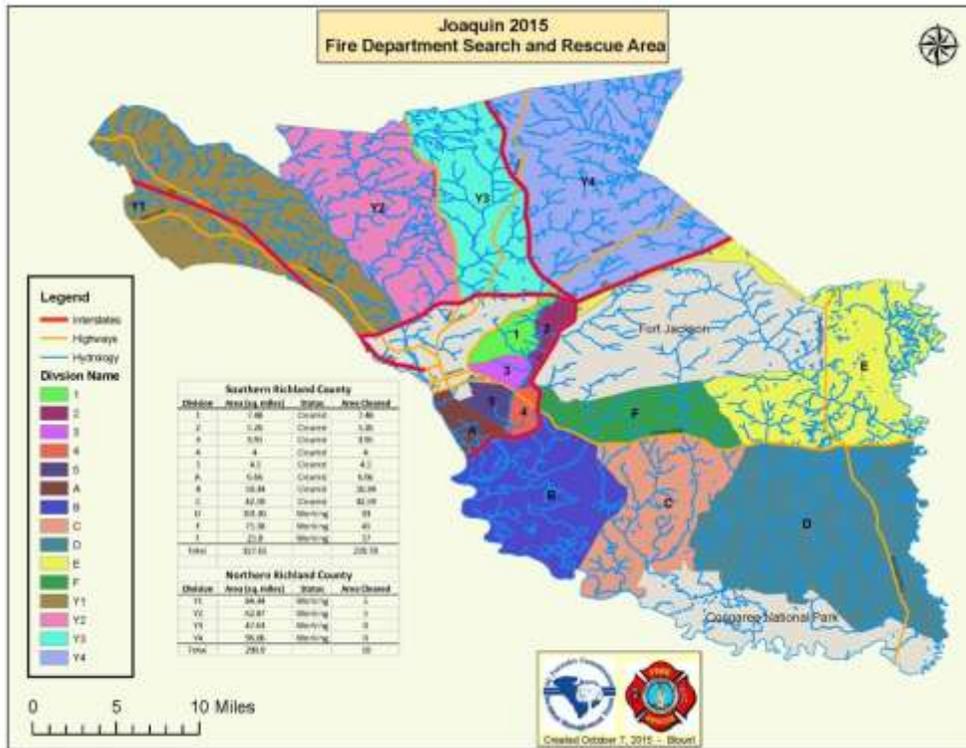
Resource Requests (i.e. personnel, equipment, etc.) = 16

Fire Search and Rescue

Wed. October 7th – Thur. October 8th

- Search Teams
 - CFD, CPD, RCSD, SLED, SC National Guard, US Army, Aiken Sheriff Department, SCDNR, State Boat Teams, SC Forestry Commission, Virginia USAR (Urban Search & Rescue)
 - 358 Team Members
 - Public Status Summary
 - 15 fatalities/4 of which were recovered during search & rescue missions to date
 - 220sq mi searched
 - 5,197 homes checked/cleared
 - 458 civilians evacuated/all others contacted-sheltered in place
 - 1,995 civilians assisted
 - 11 pets rescued/sheltered with owner
 - Responder Status Summary
 - 3 Injured/Illness responders (Day 1)
 - 1 trapped/in need of rescue (Day 1)
 - Significant flooding in urban areas
 - Access and egress limited due to flooding and damaged roads/bridges
 - Dams of ponds & lakes in the area have been compromised & pose risk of additional flash flooding.
 - Weather Concerns
 - Significant flooding in area. Rivers & streams flowing at elevated levels but have crested. Rain has ended.
 - 10/8/15 Forecast
 - Sunny, 81 degrees, winds light & variable
 - Objectives
 - Provide search & rescue to citizens effected by flooding
 - At mission completion affected areas will be canvassed, cleared & citizens assisted with critical needs.
 - Planned Actions for Operational Period #10
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- Continue door to door search and rescue mission in affected areas of Lower Richland County
- Assessing search and rescue needs for citizens in upper Richland County
- Assisting hospitals with water needs (low water pressure)



Solid waste

- Storm debris collections started on Wednesday. Will continue throughout weekend.
- Garbage collections will start Thursday. Normal service Thursday and Friday.
- Recycling pick-up on hold at least through this week (Oct 9). Will reassess for next week.
- Yard waste pick-up on hold at least through next week (Oct 15). Will reassess the following week.
- As a friendly reminder, per City ordinance, private contractors (i.e. landscapers, tree surgeons, construction) are responsible for debris and material removal at no expense to the City.
- Customers needing roll carts or assistance should call 545-3300 during operational shut down. When offices resume normal hours, they can call 545-3800 M-F 8-5

Donations and Volunteers

- Please advise people to contact the United Way, Red Cross, Harvest Hope, or one of the shelters.
- United way has set up on their website, communications about getting and receiving help.
- <http://uway.org/news/give-help-get-help-flood-disaster-relief>
- This site allows the public to register to help and is a resource for those needing help who are encouraged to call 211 for non-emergency needs.

- To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.
- Donations of food are being referred to Harvest Hope Food Bank located at 2220 Shop Road in Columbia.
- No clothing is requested at this time during emergency response. United Way will continue to address needs.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8:00am – 10:00pm.
- Donated Goods and Services of South Carolina will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

- Curfew
 - Midnight to 6 a.m.
- City staff
 - City offices are closed for Thursday, October 8th and Friday, October 9th.
- Shelters

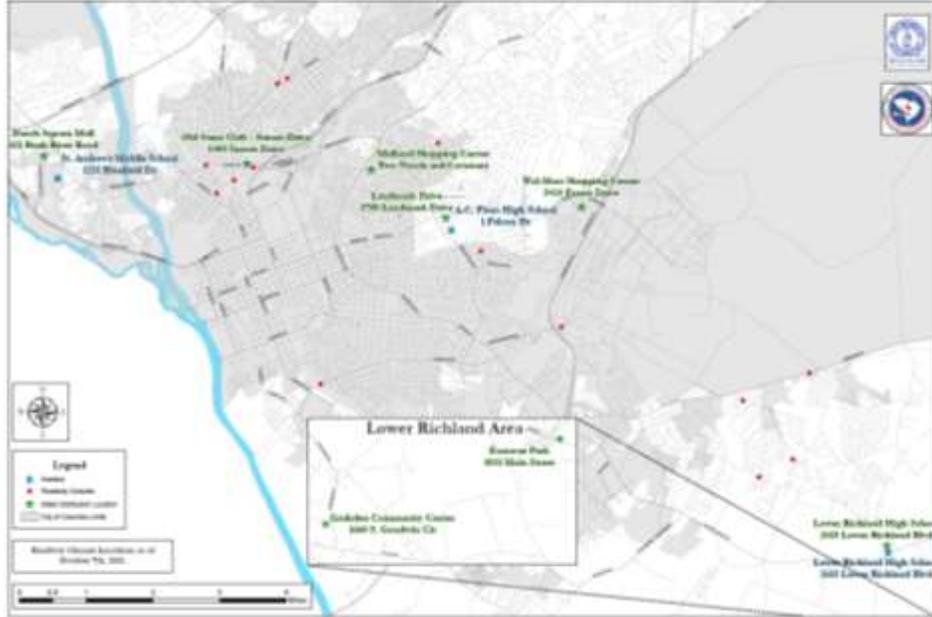
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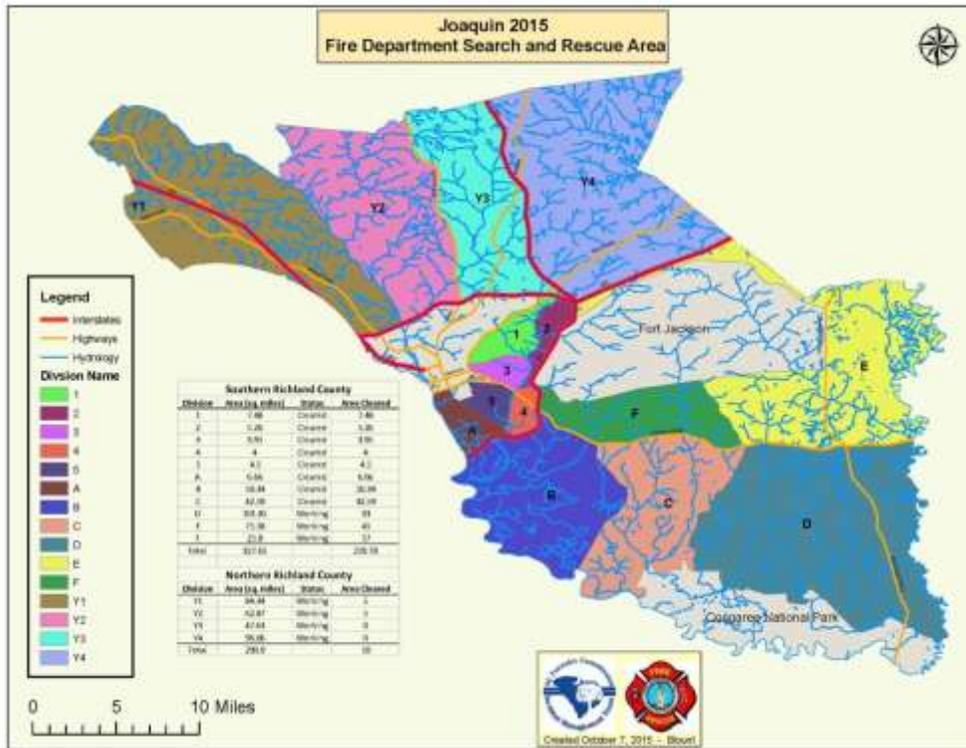
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Maps

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Water Distribution Locations - [download map 10/10/15](#)

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3700 Landmark Drive	8 a.m. - 6:30 p.m.
Lower Richland High School, 2615 Lower Richland Blvd.	8 a.m. - 6:30 p.m.
Eastover Park, 1301 Main Street, Eastover, SC	8 a.m. - 6:30 p.m.
Gadsden Community Center, 1660 South Goodwin Cir. Gadsden, SC	8 a.m. - 6:30 p.m.

Water Buffalos (Water Filling Stations)

Residents will need to bring their own clean containers to the water filling stations between the hours of 9 a.m. and 7 p.m. until the boil water advisory is lifted.

<u>LOCATIONS: WATER FILLING STATIONS</u>	<u>HOURS OF OPERATION</u>
Fire Station 4, 446 Spears Creek Church Road	9 a.m. - 7 p.m.
Fire Station 18, 7401 Fairfield Road	9 a.m. - 7 p.m.
Fire Station 29, 121 Old Congaree Run	9 a.m. - 7 p.m.
Fire Station 34, 321 Elders Pond Drive	9 a.m. - 7 p.m.
Melrose Tank, 1522 Gladden Street	9 a.m. - 7 p.m.
Columbia Place Mall, 7201 Two Notch Road	9 a.m. - 7 p.m.
Greenview Park, 6700 David Street	9 a.m. - 7 p.m.

Hyatt Park, 950 Jackson Avenue	9 a.m. - 7 p.m.
Heathwood Park, 800 Abelia Road	9 a.m. - 7 p.m.
Southeast Park, 951 Hazelwood Road	9 a.m. - 7 p.m.

- Customers can bring clean containers and fill from 250 gallon tanks delivered to above sites.
- National Guard providing security and on-site assistance at tanks.
- Water at these sites is being supplied by a water purification technology unit on loan from Water Missions International. Licensed drinking water plant operators from the South Carolina Water and Wastewater Response Network have volunteered to run this unit.
- FAQ:
 - Each Station will have elevated 275 gallon water tanks with valves on site.
 - This water is being provided by a reverse osmosis filtration unit. It has been tested and found to be safe to drink. Water Missions International and South Carolina Water and Wastewater Response Network are partnering with the City to supply and support this unit.
 - Stations will be set up and distributed at fire stations around the City of Columbia and filled by a water buffalo water truck.
 - “Please take what you need”
 - Stations will be monitored to provide enough water to each location.

Weather Update

- Cold front moving through Midlands until 2 p.m. which will produce thunderstorms and rain in the amounts from 1 to 2 inches, varying on location.
- Expected impact to the Midlands will include creeks and small streams, flooding possible.
- First Responders should be aware and be prepared for flash flooding in those areas, depending on the rain fall in previously affected areas as well as flood prone low areas. First Responders shall anticipate safety actions during this time period.
- No significant impact to the major river system.
- Caution should be exercised as the thunderstorms are producing lightning strikes as a precaution to our first responders.

Water System

- Canal breach
 - Repair
 - Continuing to move materials onto canal-side of the levy to stabilize the embankment. This will continue at least through tomorrow.
 - Still working on closure. Needed materials and equipment are being delivered, but the challenge is to place them on the berm side without destabilizing the site. It is a slow and tedious process.
 - Continuing to try and reduce the flow upstream.

- Have adequate capacity in the canal to supply water plant.
 - Walking canal twice a day to look for further breaches. There are some signs of slope stability issues and sloughing further upstream that are being watched closely but are not presently a concern.
- Bypass pumping
 - Began working on bypass pumping plan earlier this week.
 - Canal pumping - 5 bypass pumps are currently pumping water from the Canal into the Canal Plant. One to two additional pumps will be added Fri., Oct. 9 to provide additional supply
 - Broad River pumping – 2 pumps were installed and tested to draw from the Broad River and supply the Canal. Operation scheduled to begin this morning (Fri., Oct. 9). 3 more pumps were installed and awaiting testing. 4 more pumps installed, tested, and put into operation Fri., Oct. 9.
- Canal Water Treatment Plant
 - Plant production
 - Plant production is stable. Finished water quality is excellent and meeting standards.
 - Flow into reservoir is at 36 million gallons per day. Reservoir is currently FILLING.
- Lake Murray Plant
 - Stable and fully operational. Finished water quality is excellent and meets standards.
 - All distribution facilities for this part of the distribution system are fully operational
 - Bypass pumping
 - Began working on bypass pumping plan earlier this week.
 - Canal pumping - 5 bypass pumps are currently pumping water from the Canal into the Canal Plant.
 - Broad River pumping – Single 24" line is being pumped as of 4:30 a.m. Sat., Oct. 10. Additional 24" line and pump are being installed with some delay due to weather; anticipate completion within 48 hours.
 - Supply line from Cayce put into service at approximately 9 p.m., Fri., Oct. 9 to add approximately 2 million gallons per day.
 - CRFD has been using tanker trucks to assist in replenishing reservoir as well.
 - Conservation message
 - Initiated water use minimization/ conservation message earlier this week.
 - Instituted a mandatory irrigation shut-off on Fri., Oct. 9, for all City water customers until further notice.
 - Declaration for large, non-critical water customers to curtail use until further notice is UNDER CONSIDERATION.
- Distribution System
 - All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be

experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.

- Line break updates: (No update since Fri., Oct. 9) Completed Monday, Oct. 5 – Thursday, Oct. 7:
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 18" line break between South Beltline and Veterans
 - 300' section out along Caughman Road from Benson to Dominion
 - Overcreek – 6" broke in half at dam breach
 - 10" break on Forest between Trenholm & Percival
- Under Repair:
 - 24" on Kay Street – Partially repaired. Awaiting a part for final repair; anticipate Monday completion.
 - 3200 Fernandina Road
- Flooded : Not aware of any breaks, but will analyze after water recedes
 - 4220 Shady Lane
 - Arcadia Lakes
 - Monticello and Cedar Creek

Wastewater System

- Metro Plant (no update available. Last update - Fri., Oct. 9)
 - The plant is fully operational. Producing fully treated effluent at 68 million gallons per day.
 - Equalization basin is at 129.5 ft. Max is 134-135. Influent wet well at 122.25 ft.
 - Plant returned to normal staff rotation on Sat., Oct. 10 using nearby dry farm field.
 - Out of dewatered sludge storage roll off boxes; storing sludge in the online digesters. Have plans to use offline digesters as sludge storage tanks if new boxes not delivered soon. Estimated 10 days of sludge storage at current wasting rates, although seeing signs that this level is increasing.
 - Coordinating with EMD to deliver these boxes.
 - Calculating at least 4 days of supply of all chemicals.
 - Seeing rising ammonia levels in plant before the storm. This is an indication of less flood water entering the system.

- The collections system still appears to be taking in Inflow because the wwtp influent pumpstation remains inundated and the low manholes coming into the plant are overflowing due to the surcharge condition, operators are increasing the flow into the plant to aid these levels (currently influent flow – 72 million gallons per day).
- Collection system
 - Pump Stations
 - West Columbia Pump Station an additional pump was lost. Operating with 2 pumps; attempting to repair the second lost pump.
 - Lost connection with Saluda River Pump Station. Crews in route to check on status.
 - Bendale is flooded.
 - Harbison #4 is running at high level.
 - Staff will check control manhole for Saluda River Pump Station when the rain stops.
 - Sanitary Sewer Overflows
 - Multiple active overflows
 - Brickyard is underwater and overflowing.
 - Multiple manholes along Gills Creek overflowing.
 - Investigating other possible SSOs
 - Current assessment
 - Wastewater Maintenance has crews out today & tomorrow evaluating the system using CCTV & inspection of manholes & easements.

Boil Water Advisory

A boil water advisory is still in effect for most water customers in the City of Columbia.

- A partial appeal is in effect for the Town of Chapin, Ballentine, areas around Lake Murray Water Treatment Plant, Broad River Road, Lost Creek Drive and Chestnut Hills ([see map](#)).

Customers in the Town of Chapin, Ballentine, areas around Lake Murray Water Treatment Plant, Broad River Road, Lost Creek Drive and Chestnut Hills are no longer under a boil water advisory ([see map](#)) as of 6 p.m. on Wed., Oct.7. **All other water customers are still under the advisory** and should follow the City's [drinking water advisory guidelines](#). In addition, city officials are asking citizens to continue minimizing water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed.

The City of Columbia Water Works advises the water customers of the Chapin Area, located in Lexington and Richland County, along the following areas: Town of Chapin, Areas near the Columbia Lake Murray Plant. The southernmost boundary of this advisory is along Hwy 6 at the Lake Murray Plant, customers on Farming Creek Road, customers on Broad River Road down to Geology Circle. This notice is to inform customers in these areas that they no longer need to boil their water prior to drinking or cooking.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Voluntary Water Conservation

As the City works to stabilize water levels at the Columbia Canal, City officials are asking citizens to minimize water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed. As a reminder, the system-wide boil water advisory is still in effect for all water customers.

For more information on water conservation, please visit <http://columbiasc.gov/press-releases/100420152013-city-working-to-restore-customer-water-services>.

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.

The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. Governor Haley will make an official announcement once all centers are open and ready to serve the public. The following locations will hold a soft opening beginning at 1 p.m. on Sat., Oct. 10:

South East Library

Address: 7421 Garners Ferry Rd, Columbia, SC 29209

Phone: (803) 776-0855

Eastover Library

Address: 608 Main St, Eastover, SC 29044

Phone: (803) 353-8584

The City is working closely with SCEMD and will have more information as it becomes available.

Service Calls

Columbia Richland Communications 9-1-1								
	10/4/15	10/5/15	10/6/15	10/7/15	10/8/15	10/9/15	10/10/15 (00:01-08:00)	Event Total
CPD	631	554	650	605	133	96	113	3,682
CFD	1,014	225	159	156	25	24	18	1,848
RCSD	709	655	641	578	135	146	136	3,999
RCEMS	343	240	226	233	43	42	50	1,533
Daily Total	2,697	1,674	1,676	1,572	336	308	317	11,062

	10/4/15	10/5/15	10/6/15	10/7/15	10/8/15	10/9/15	10/10/2015 (00:00-08:00)	Event Total
CRC Call								

Volume								
911	4,653	2,075	1,775	1441	258	157	215	11,980
Non-Emergency	1,762	2,308	2,123	1818	233	269	208	10,437
Daily Total	6,415	4,383	3,898	3,259	491	426	423	22,417

*Daily Totals reflect 24 hour period beginning at midnight daily.

Customer Care Center							
	10/4/15	10/5/15	10/6/15	10/7/15 9a - 5 p	10/8/15	10/9/15	Event Total
Daily Total	6,562	4,390	2,633	2,554	3,738		19,877

Law Enforcement

Operation Period: Thu. Oct 9th - Fri. Oct. 10th 1800 – 0600

Regional Personnel

Downtown (Capt. Yates): Personnel 19 / Vehicles 15
 West Region: Personnel 5/ Vehicles 5
 North Region: Personnel 5/ Vehicles 5
 Metro Region: Personnel 11/Vehicles 11
 East Region: Personnel 4/ Vehicles 4
 South Region: Personnel 19/Vehicles 17

Security Detail

Crowson Rd. / Ft. Jackson Blvd. Coverage
 Greenville City Police 10/Vehicles 10 (12 Hour Shift)
 Lake Catherine Coverage
 SLED 13/Vehicles 13 (12 Hour Shift)
 Kings Grant
 RCSD 9/Vehicles 9 (12 Hour Shift)

EOC Personnel:

Columbia Police department (CPD): 4
 Columbia Fire Department (CFD):1
 City of Columbia: 2
 Richland County Sheriff's Department (RCSD):3

Total Personnel: 105

Total Vehicles: 89

Road Closures

*As conditions change, roadways may be opened.

North Region

1. 5000 North Main St – Sinkhole (Barricaded)
2. 6800 North Main St – roadway washed out (manned)
3. Sunset and River – (Barricades)
4. Main & Anthony- roadway compromised (Traffic Cones)

5. Main & Sunset – Roadway compromised (manned)

Metro region

1. 3200 Pinebelt Rd – Roadway caved in (Barricades)
2. 3400 Foxhall Dr – Roadway caved in (Barricades)
3. Taylor & Williams- Manned (to block off Jarvis Klapman Bridge access)
4. Taylor & Hampton- Manned (to block off Jarvis Klapman Bridge access)

Metro Region closures due to closing off of Taylor and Marion intersect

5. Taylor Street (eastbound) remains closed
6. 1300 Marion Street, North and South bound lanes (between Taylor and Hampton St) have been closed
7. The parking spaces on the East side of 1300 Sumter Street and lane # 2 northbound (closest to the curb) have been blocked to provide room for the trailers that are providing service for Baptist Hospital. This may change due to the needs of the Hospital and the equipment being used.

South region

1. Shop Road at S. Beltline – Structural Damage (DOT Barricade/Cones)
2. I-77 at the Bluff Rd exit ramp – Structural Damage (DOT Barricade/Cones)
3. 4600 Devine Street Bridge – Structural Damage (Active 10-54 by personnel (2)
4. Jim Hamilton Blvd (West bound) – Structural Damage (DOT Barricades/Cones)
5. Crowson Rd (small bridge leading to Marshalls) – Structural Damage (DOT Barricades/Cones)
6. E. Buchanan and Beltline – Structural Damage (DOT Barricades/Cones)
7. 4400Ft Jackson Blvd – Sink hole (Barricades)
8. 1300 Glen Haven Dr. – Washed out (Barricades)
9. 4100 Timberlane Dr. – Washed out (Barricades)

East Region

1. 300 Spears Creek Church Rd – Washed out (Barricaded)
2. 3600 Percival to Smallwood – Washed out (Barricaded)

West Region

1. Lost Creek Dr – Lake Front Dr to Chestnut Hill Plantation Club (Barricaded)
 2. Piney Grove (Newnham Dr to Bonnie Forest Blvd). Bridge partially washed out (Barricaded)
- EOC

Notable Calls for service related to weather:

1. Natural gas leak smell call at 500 Deerwood St., fire department notified. (*NEW*)
2. Sewer back up Woodlake and Kathwood.

Web EOC 213 Resource Request Processed: 0

Missing persons (Shift): None (Total Outstanding): None

Weather related Fatalities: (Shift) None

Weather related fatalities to date City/Cty: 9

Looting Arrests

Suspects:

10/09/15

Jeremy Jeffers (DOB: 8-30-1982)

Charge: Looting during a State of Emergency

Jeffers is accused of stealing miscellaneous items from front yards of flood victims at the 1200 block of GlenHaven Drive on Oct. 9, 2015.

A CPD Officer made the arrest while conducting security checks in various neighborhoods. The stolen items were returned to their rightful owners.

Citizens who witness looting should call 9-1-1.

For more information regarding the SC Code of Law for Looting, visit:

www.scstatehouse.gov/code/t16c007.php

10/08/15

- Justin T. Fann (DOB: 8-20-1982)
- Timothy B. Wyllie (DOB: 6-11-1983)

Charge: Looting

- SC Code of Law: 16-7-10 (2): Unlawful Activity During State of Emergency - Accused of stealing resident's belongings from front porches in the Glennhaven/ Western Pine area.

All persons arrested/charged are presumed innocent until or unless proven guilty in a court of law.

Fire

October 3, 2015 0800 – October 8, 2015 2000

- Search Teams
 - CFD, CPD, RCSD, SLED, SC National Guard, US Army, Aiken Sheriff Department, SCDNR, State Boat Teams, SC Forestry Commission, Virginia USAR (Urban Search & Rescue)
 - 349 Team Members
- **Columbia Fire Department is partnering with Palmetto Health** - *CFD is providing resource to assist with an aid station in one community affected by Flood Joaquin*
 - The Columbia Fire Department is partnering with Palmetto Health on Friday, October 9 – Tuesday, October 13 from 9 a.m. – 6 p.m. at 4811 Devereaux Street, to provide a resource, Metropolitan Emergency Response Vehicle (medical bus) for a community first aid station for the citizens of the Lake Katherine, Burwell, Rickenbacker, Kings Grant areas.
 - Volunteer physicians, nurses, nurse practitioners and paramedics from Richland County EMS are providing care to those who need wound care, tetanus evaluation/update and general medical care.
- **Public Status Summary**
 - Completion of door to door search & rescue operations
 - Northern Richland County assessed to determine need for additional search
 - 9 fatalities/all 9 were recovered during search & rescue missions to date
 - 338sq mi searched
 - 281sq mi assessed for need
 - 8,110 homes checked/cleared
 - 473 civilians evacuated/all others contacted-sheltered in place
 - 2,095 civilians assisted

- 11 pets rescued/sheltered with owner
- **Responder Status Summary**
 - 3 Injured/Illness responders (Day 1)
 - 1 trapped/in need of rescue (Day 1)
 - All 4 were FF MAYDAYS (FF life or safety is in jeopardy & FF is unable to remove him/herself from threatening situation)
 - Responder returned to service next day
- **Primary Materials or Hazards Involved (these hampered normal fire suppression coverage)**
 - Significant flooding in urban areas
 - Access and egress limited due to flooding and damaged roads/bridges
 - Dams of ponds & lakes in the area have been compromised & pose risk of additional flash flooding.
- **Weather Concerns**
 - Ground in area is saturated. Ten day forecast includes chance of additional rain
 - 10/9/15 Forecast
 - Sunny, 82 degrees, winds light & variable
- **Objectives**
 - Provide search & rescue to citizens effected by flooding
 - At mission completion affected areas will be canvassed, cleared & citizens assisted with critical needs.
- **Current Incident Threat Summary & Risk Information**
 - Next 48hrs -Limited access/egress, dams at risk of breaching, citizens with no power/potable water
- **Critical Resource Needs**
 - Next 48hrs-Military assets/transport, USAR boat teams (SC Task Force 1), Mutual Aid Firefighting resources/Firefighter Mobilization assets
- **Planned Actions for Operational Period #11**
 - Transition operation back to CFD
 - CFD will provide safety & support for canal operations
 - Continue assisting hospitals with water needs (low water pressure)
 - Maintain normal CFD operations & provide increased presence in affected communities
- **Incident Management Team (IMT) Demobilization**
 - IMT transitional process back to CFD
 - CFD has requested multiple fire suppression assets through SC Firefighter Mobilization
 - Tankers throughout the State are being strategically placed in response areas due to lack of roadway access
 - Note-not for any city canal concerns

*Once all roadways are accessible Firefighter Mobilization will demobilize

Solid waste

- Storm debris collections started on Wednesday, Oct. 7. Will continue throughout weekend.
- Garbage collections normal service began Thursday, Oct. 8.

- Solid Waste Division will resume regular garbage and recycling services on Monday, October 12, 2015, with the exception of yard waste.
 - Currently, the Solid Waste Division is focusing on storm debris cleanup and will suspend regular yard waste pickup services until Monday, October 19, 2015.
 - Garbage and recycling services may be limited in storm areas due to street access and roadway safety.
 - To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
 - For more information or to report lost roll carts, please visit www.columbiasc.net/solid-waste or call the Solid Waste Division at 803-545-3800.

Flood Damaged Property - Building Permit Information

There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.

Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

Floodplain Management Contacts

- Flood Plain Management questions:
Ali Khan (803) 545-3400
lakhana@columbiasc.net
- Building Code questions:
Jerry Thompson (803) 545-3442
jthompson@columbiasc.net
- Building Permit questions:
Development Center (803) 545-3483
- Planning questions:
Krista Hampton
kmhampton@columbiasc.net

Do I have the green light to get a building permit for my flood-damaged property?



Green light: If your property is not located within the 100-year floodplain or is constructed at least two (2) feet above the base flood elevation, you will be issued a building permit for repairs that meet other applicable code standards (such as building and zoning).



Yellow light: If your property is located within the 100-year floodplain, before a building permit can be issued, it must first be determined through the completion of a Flood Hazard Permit Application:

- The elevation of the first floor of the property through submittal of an *elevation certificate*. (The City's Floodplain Manager may have one on file).
- If the structure sustained *substantial damage* or will require *substantial improvements* to make it habitable.



Red light: If your property is located within the floodplain and sustained *substantial damage* or will require *substantial improvements* to make it habitable, the structure will have to come into compliance with the City of Columbia's Flood Damage Prevention Ordinance. This means that the first floor of the building must be constructed at a height of two (2) feet above the base flood elevation. Please discuss how this affects your property specifically a City flood management representative.

What is *substantial damage*?

Substantial damage means damage of any origin sustained by a structure where the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. (Note: the cost of repairs must include all costs necessary to fully repair the structure to its pre-damaged condition.)

What are *substantial improvements*?

Substantial Improvement means improvements of any origin where the cost of improving the structure would equal or exceed 50 percent of the market value of the structure before the improvements are made. (Note: the cost of improvements must include all costs necessary to fully improve the structure.)

What is an *elevation certificate*?

The *elevation certificate* is one way for a community to comply with the National Flood Insurance Program requirement that the community obtain the elevation of the lowest floor (including basement) of all new and substantially improved structures and maintain a record of such information. Elevation Certificates must be prepared and certified by a Licensed Land Surveyor, Registered Professional Engineer or Registered Architect who is authorized by state or local law to certify elevation information.

Donations and Volunteers

- Please advise people to contact the United Way, Red Cross, Harvest Hope, or one of the shelters.
- United way has set up on their website, communications about getting and receiving help: <http://uway.org/news/give-help-get-help-flood-disaster-relief>
 - This site allows the public to register to help and is a resource for those needing help who are encouraged to call 211 for non-emergency needs.

- Donations of food are being referred to Harvest Hope Food Bank located at 2220 Shop Rd in Columbia.
- No clothing is requested at this time during emergency response. United Way will continue to address needs.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- Donated Goods and Services of South Carolina will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

- Curfew
 - Midnight to 6 a.m. through Monday, October 12,2015
- City staff
 - City offices are closed Friday, October 9th.
- Federal Disaster Applications
 - To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.
- Shelters
 - There are a total of 104 evacuees as of Friday, Oct. 9 at 7 p.m.
 Richland County designated shelters are listed below. Locations were updated Friday, Oct. 9
 - St. Andrews Presbyterian (former location was St. Andrews Middle School)
 - 68 people
 - Temple Baptist Church (former locations were AC Flora High School - 20 & Lower Richland High School - 16)
 - 36 people
 If an alternate location is needed, Shandon Baptist Church is available.

Sunday, October 11, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Maps

Boil Water Advisory - [Download map 10/11/15](#)

Water Distribution Locations - [Download map 10/10/15](#)

Water Distribution Sites

The water distribution sites and hours of operations are listed below:

<u>LOCATIONS: WATER DISTRIBUTION SITES</u>	<u>HOURS OF OPERATION</u>
Dutch Square (former Belk parking lot), 421 Bush River Road	8 a.m. - 6:30 p.m.
Midlands Shopping Center, 2638 Two Notch Road	8 a.m. - 6:30 p.m.
Former Sam's Club parking lot, 1401 Sunset Drive	8 a.m. - 6:30 p.m.
Wal-Mart, 5424 Forest Drive	8 a.m. - 6:30 p.m.
3700 Landmark Drive	8 a.m. - 6:30 p.m.
Lower Richland High School, 2615 Lower Richland Blvd.	8 a.m. - 6:30 p.m.
Eastover Park, 1301 Main Street, Eastover, SC	8 a.m. - 6:30 p.m.
Gadsden Community Center, 1660 South Goodwin Cir. Gadsden, SC	8 a.m. - 6:30 p.m.

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 - Canal pumping - 5 bypass pumps are currently pumping water from the Canal into the Canal Plant.
 - Broad River pumping – Single 24" line is being pumped as of 4:30 a.m. Sat., Oct. 10. Additional 24" line and pump are being installed with some delay due to weather; anticipate completion within 48 hours.
 - Supply line from Cayce put into service at approximately 9 p.m., Fri., Oct. 9 to add approximately 2 million gallons per day.
 - CRFD has been using tanker trucks to assist in replenishing reservoir as well.
 - Conservation message
 - Initiated water use minimization/ conservation message earlier this week.
 - Instituted a mandatory irrigation shut-off on Fri., Oct. 9, for all City water customers until further notice.
 - Declaration for large, non-critical water customers to curtail use until further notice is UNDER CONSIDERATION.
- Distribution System
 - All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
 - Line break updates: (No update since Fri., Oct. 9) Completed Monday, Oct. 5 – Thursday, Oct. 7:
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge

- Tall Pines Circle off South Beltline
- 8" Trenholm and Cary
- Earlewood at Sunset
- Quail Hill Subdivision
- 16" at Kings Grant
- Monticello and Blue Ridge Terrace
- Hunt Club Road
- 510 Lakeside Avenue
- Beaver Dam Road
- 18" line break between South Beltline and Veterans
- 300' section out along Caughman Road from Benson to Dominion
- Overcreek – 6" broke in half at dam breach
- 10" break on Forest between Trenholm & Percival
- Under Repair:
 - 24" on Kay Street – Partially repaired. Awaiting a part for final repair; anticipate Monday completion.
 - 3200 Fernandina Road
- Flooded : Not aware of any breaks, but will analyze after water recedes
 - 4220 Shady Lane
 - Arcadia Lakes
 - Monticello and Cedar Creek

Wastewater System

- Metro Plant (no update available. Last update - Fri., Oct. 9)
 - The plant is fully operational. Producing fully treated effluent at 68 million gallons per day.
 - Equalization basin is at 129.5 ft. Max is 134-135. Influent wet well at 122.25 ft.
 - Plant returned to normal staff rotation on Sat., Oct. 10 using nearby dry farm field.
 - Out of dewatered sludge storage roll off boxes; storing sludge in the online digesters. Have plans to use offline digesters as sludge storage tanks if new boxes not delivered soon. Estimated 10 days of sludge storage at current wasting rates, although seeing signs that this level is increasing.
 - Coordinating with EMD to deliver these boxes.
 - Calculating at least 4 days of supply of all chemicals.
 - Seeing rising ammonia levels in plant before the storm. This is an indication of less flood water entering the system.
 - The collections system still appears to be taking in Inflow because the wwtp influent pumpstation remains inundated and the low manholes coming into the plant are overflowing due to the surcharge condition, operators are increasing the flow into the plant to aid these levels (currently influent flow – 72 million gallons per day).
- Collection system
 - Pump Stations
 - West Columbia Pump Station an additional pump was lost. Operating with 2 pumps; attempting to repair the second lost pump.
 - Lost connection with Saluda River Pump Station. Crews in route to check on status.
 - Bendale is flooded.

- Harbison #4 is running at high level.
- Staff will check control manhole for Saluda River Pump Station when the rain stops.
- Sanitary Sewer Overflows
 - Multiple active overflows
 - Brickyard is underwater and overflowing.
 - Multiple manholes along Gills Creek overflowing.
 - Investigating other possible SSOs
- Current assessment
 - Wastewater Maintenance has crews out today & tomorrow evaluating the system using CCTV & inspection of manholes & easements.

Boil Water Advisory

The City of Columbia Water Works advises water customers located **north of Interstate 20, west of Hardscrabble Road, and east of the Broad River, as well as the area along Parkridge Drive between Harbison Boulevard and Lake Murray Boulevard**, located in Richland County, that they no longer need to boil their water prior to drinking or cooking.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

In addition to those areas included above in this repeal, **customers in the following areas are also included as part of the repeal issued on Oct 7: Town of Chapin, Ballentine, around Hwy 6 at the Lake Murray Water Treatment Plant, customers on Farming Creek Road and customers along Broad River Road down to Geology Road to include the Lost Creek Drive and Chestnut Hills area.**

All other water customers are still under the advisory and should follow the City's [drinking water advisory guidelines](#). In addition, city officials are asking citizens to continue minimizing water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed.

Voluntary Water Conservation

As the City works to stabilize water levels at the Columbia Canal, City officials are asking citizens to minimize water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed. As a reminder, the system-wide boil water advisory is still in effect for all water customers.

For more information on water conservation, please visit <http://columbiasc.gov/press-releases/100420152013-city-working-to-restore-customer-water-services>.

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.

The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. Governor Haley will make an official announcement once all centers are open and ready to serve the public. The following locations will hold a soft opening beginning at 1 p.m. on Sat., Oct. 10:

South East Library

Address: 7421 Garners Ferry Rd, Columbia, SC 29209

Phone: (803) 776-0855

Eastover Library

Address: 608 Main St, Eastover, SC 29044

Phone: (803) 353-8584

The City is working closely with SCEMD and will have more information as it becomes available.

Service Calls

Columbia Richland Communications 9-1-1

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11 (00:01-08:00)	Event Total
CPD	631	554	650	605	133	96	113	95	4,072
CFD	1,014	225	159	156	25	24	18	39	1,978
RCSD	709	655	641	578	135	146	136	121	4,438
RCEMS	343	240	226	233	43	42	50	50	1,703
Daily Total	2,697	1,674	1,676	1,572	336	308	317	304	12,190

CRC Call Volume

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11/2015 (00:00-08:00)	Event Total
911	4,653	2,075	1,775	1441	258	157	215	164	13,088
Non-Emergency	1,762	2,308	2,123	1818	233	269	208	201	11,680
Daily Total	6,415	4,383	3,898	3,259	491	426	423	365	24,768

*Daily Totals reflect 24 hour period beginning at midnight daily.

Customer Care Center

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11 9a - 5 p	Event Total
Daily Total	6,562	4,390	2,633	2,554	3,738	3,372			19,877

Law Enforcement

Operation Period: Oct. 10th – Oct. 11th 1800 – 0600

Regional Personnel

Downtown (Lt J Williams): Personnel 11 / Vehicles 11
West Region: Personnel 5/ Vehicles 5
North Region: Personnel 13/ Vehicles 13
Metro Region: Personnel 12/Vehicles 12
East Region: Personnel 4/ Vehicles 4
South Region: Personnel 11/Vehicles 11
Greenville City Police: 8/ Vehicles 8 (Lake Katherine) (*12 Hours Worked)

Fixed Post
SC Army National Guard (SCARNG): Personnel -36/ Vehicles 20

EOC Personnel:

Columbia Police department (CPD):1
Columbia Fire Department (CFD): 1
City of Columbia: 2
Richland County Sheriff's Department (RCSD): 3
SC EMD: 1

Total Personnel:
Total Vehicles:

EOC: None
Notable Calls for service related to weather:
Water main break 1200 College St. Road closed Westbound lane only, on College St. between Main and Sumter St.

Web EOC 213 Resource Request Processed: 0
Missing persons (Shift): None (Total Outstanding): None
Weather related fatalities: (Shift) None
Weather related fatalities to date City/Cty: 9

Road Closures

*As conditions change, roadways may be opened.

Road Closures 10/10/2015

Road Closures by Region:

North Region

1. 5000 North Main St – Sinkhole (Barricaded)
2. 6800 North Main St – roadway washed out (manned)
3. Sunset and River – East on Sunset to Main (Barricades)
4. Main & Anthony- Road closed sign- local and emergency traffic only
5. Main & Sunset – Blocked South on Main and West on Sunset (manned)
6. Main & Grace – Closed North on Main to Sunset –Emergency traffic only – (manned)

Metro region

1. 3200 Pinebelt Rd – Roadway caved in (Barricades)

2. 3400 Foxhall Dr – Roadway caved in (Barricades)
3. Taylor & Williams- Manned (to block off Jarvis Klapman Bridge access)
4. Taylor & Hampton- Manned (to block off Jarvis Klapman Bridge access)
5. 1200 College St. between Main and Sumter St. Westbound Lane only (reopen approx. 1130 hrs. (*NEW*))

Metro Region closures due to closing off of Taylor and Marion intersect

1. Taylor Street (eastbound) closed at Sumter Street to Marion St
2. 1300 Marion Street, North and South bound lanes (between Taylor and Hampton St) closed
3. The parking spaces on the East side of 1300 Sumter Street and lane # 2 northbound (closest to the curb) have been blocked to provide room for the trailers that are providing service for Baptist Hospital. This may change due to the needs of the
4. Hospital and the equipment being used.

South region

1. Shop Road at S. Beltline – Structural Damage (DOT Barricade/Cones)
2. I-77 at the Bluff Rd exit ramp – Structural Damage (DOT Barricade/Cones)
3. 4600 Devine Street Bridge – Structural Damage (Active 10-54 by personnel (2)
4. Jim Hamilton Blvd (West bound) – Structural Damage (DOT Barricades/Cones)
5. Crowson Rd (small bridge leading to Marshalls) – Structural Damage (DOT Barricades/Cones)
6. E. Buchanan and Beltline – Structural Damage (DOT Barricades/Cones)
7. 4400Ft Jackson Blvd – Sink hole (Barricades)
8. 1300 Glen Haven Dr. – Washed out (Barricades)
9. 4100 Timberlane Dr. – Washed out (Barricades)
10. 3500 Trenholm Rd- Sink Hole in middle of roadway -Blocked both directions between
11. Wyndham & Tanglewood –DOT placed metal barricades and cones up to block roadway (NEW)
12. Timberlane Dr at Greenhaven Dr – Flooding – Blocked off East on Timberlane and Greenhaven (NEW)

East Region

1. 300 Spears Creek Church Rd – Washed out (Barricaded)
2. 3600 Percival to Smallwood – Washed out (Barricaded)

West Region

1. Lost Creek Dr – Lake Front Dr to Chestnut Hill Plantation Club (Barricaded)
2. Piney Grove (Newnham Dr to Bonnie Forest Blvd). Bridge partially washed out (Barricaded)

Looting and violation of curfew arrests

Columbia Police Chief Skip Holbrook and Richland County Sheriff Leon Lott announced a violation of the mandatory City/County curfew and an additional looting arrest related to the South Carolina flooding event.

10/10/15

OBryan Cabbagestalk (DOB: 1-10-1985) is charged with Violation of Curfew and Simple Possession of Marijuana.

Deputies located Cabbagestalk shortly before 1:00 o'clock this morning at Nick's Gyros and Phillys restaurant located at 1931 Broad River Road.

Deputies on patrol noticed Cabbagestalk in a vehicle breaking the mandatory curfew. While speaking with him, deputies also lawfully searched the suspect and discovered that Cabbagestalk possessed marijuana.

Additionally, a tip led to the arrest yesterday of 21-year-old Shiparish Yates (DOB: 12-15-1993). She is charged with Looting (During a State of Emergency).

Yates is accused of stealing miscellaneous items from a neighbor who evacuated the flood waters earlier in the week from Shandon Crossing Apartments located at 504 South Beltline Boulevard.

Yates allegedly stole an Xbox gaming system, televisions and a microwave from the male victim.

The tipster advised law enforcement that stolen items were being stored in Yates' apartment. Deputies executed a lawful search warrant at her home and discovered stolen merchandise.

A Richland County judge set Yates' surety bond at \$10,000.

Cabbagestalk and Yates are being housed at the Alvin S. Glenn Detention Center.

**** The City/County-wide curfew remains in effect from midnight until 6:00 a.m. ****

10/09/15

Jeremy Jeffers (DOB: 8-30-1982)

Charge: Looting during a State of Emergency

Jeffers is accused of stealing miscellaneous items from front yards of flood victims at the 1200 block of GlenHaven Drive on Oct. 9, 2015.

A CPD Officer made the arrest while conducting security checks in various neighborhoods. The stolen items were returned to their rightful owners.

Citizens who witness looting should call 9-1-1.

For more information regarding the SC Code of Law for Looting, visit:

www.scstatehouse.gov/code/t16c007.php

10/08/15

- Justin T. Fann (DOB: 8-20-1982)
- Timothy B. Wyllie (DOB: 6-11-1983)

Charge: Looting

- SC Code of Law: 16-7-10 (2): Unlawful Activity During State of Emergency - Accused of stealing resident's belongings from front porches in the Glennhaven/ Western Pine area.

Report from Richland County:

RCSD arrested 73-year-old **Charles Kauffman** (DOB: 11-2-1942) with **Attempted Murder** and **Illegal Acts during a State of Emergency**.

He was arrested at his Holly Ridge Lane home this morning.

Kauffman is accused of hitting a SC National Guardsman with his vehicle near Harvest Hope on Shop Road Friday. The victim was directing traffic at the time and suffered serious injuries. He has since been treated and released from a local hospital.

RCSD also wrote two citations for violating curfew. I am working on gathering additional information.

All persons arrested/charged are presumed innocent until or unless proven guilty in a court of law.

Fire

October 3, 2015 0800 – October 8, 2015 2000

- Search Teams
 - CFD, CPD, RCSD, SLED, SC National Guard, US Army, Aiken Sheriff Department, SCDNR, State Boat Teams, SC Forestry Commission, Virginia USAR (Urban Search & Rescue)
 - 349 Team Members
- **Columbia Fire Department is partnering with Palmetto Health** - *CFD is providing resource to assist with an aid station in one community affected by Flood Joaquin*
 - The Columbia Fire Department is partnering with Palmetto Health on Friday, October 9 – Tuesday, October 13 from 9 a.m. – 6 p.m. at 4811 Devereaux Street, to provide a resource, Metropolitan Emergency Response Vehicle (medical bus) for a community first aid station for the citizens of the Lake Katherine, Burwell, Rickenbacker, Kings Grant areas.
 - Volunteer physicians, nurses, nurse practitioners and paramedics from Richland County EMS are providing care to those who need wound care, tetanus evaluation/update and general medical care.
- **Public Status Summary**
 - Completion of door to door search & rescue operations
 - Northern Richland County assessed to determine need for additional search
 - 9 fatalities/all 9 were recovered during search & rescue missions to date
 - 338sq mi searched
 - 281sq mi assessed for need
 - 8,110 homes checked/cleared
 - 473 civilians evacuated/all others contacted-sheltered in place
 - 2,095 civilians assisted
 - 11 pets rescued/sheltered with owner
- **Responder Status Summary**
 - 3 Injured/Illness responders (Day 1)
 - 1 trapped/in need of rescue (Day 1)
 - All 4 were FF MAYDAYS (FF life or safety is in jeopardy & FF is unable to remove him/herself from threatening situation)
 - Responder returned to service next day
- **Primary Materials or Hazards Involved (these hampered normal fire suppression coverage)**
 - Significant flooding in urban areas
 - Access and egress limited due to flooding and damaged roads/bridges

- Dams of ponds & lakes in the area have been compromised & pose risk of additional flash flooding.
- **Weather Concerns**
 - Ground in area is saturated. Ten day forecast includes chance of additional rain
 - 10/9/15 Forecast
 - Sunny, 82 degrees, winds light & variable
- **Objectives**
 - Provide search & rescue to citizens effected by flooding
 - At mission completion affected areas will be canvassed, cleared & citizens assisted with critical needs.
- **Current Incident Threat Summary & Risk Information**
 - Next 48hrs -Limited access/egress, dams at risk of breaching, citizens with no power/potable water
- **Critical Resource Needs**
 - Next 48hrs-Military assets/transport, USAR boat teams (SC Task Force 1), Mutual Aid Firefighting resources/Firefighter Mobilization assets
- **Planned Actions for Operational Period #11**
 - Transition operation back to CFD
 - CFD will provide safety & support for canal operations
 - Continue assisting hospitals with water needs (low water pressure)
 - Maintain normal CFD operations & provide increased presence in affected communities
- **Incident Management Team (IMT) Demobilization**
 - IMT transitional process back to CFD
 - CFD has requested multiple fire suppression assets through SC Firefighter Mobilization
 - Tankers throughout the State are being strategically placed in response areas due to lack of roadway access
 - Note-not for any city canal concerns

*Once all roadways are accessible Firefighter Mobilization will demobilize

Solid waste

- Storm debris collections started on Wednesday, Oct. 7. Will continue throughout weekend.
- Garbage collections normal service began Thursday, Oct. 8.
- Solid Waste Division will resume regular garbage and recycling services on Monday, October 12, 2015, with the exception of yard waste.
 - Currently, the Solid Waste Division is focusing on storm debris cleanup and will suspend regular yard waste pickup services until Monday, October 19, 2015.
 - Garbage and recycling services may be limited in storm areas due to street access and roadway safety.
 - To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
 - For more information or to report lost roll carts, please visit www.columbiasc.net/solid-waste or call the Solid Waste Division at 803-545-3800.

Flood Damaged Property - Building Permit Information

There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.

Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

Floodplain Management Contacts

- Flood Plain Management questions:
Ali Khan (803) 545-3400
lakhan@columbiasc.net
- Building Code questions:
Jerry Thompson (80) 545-3442
jlthompson@columbiasc.net
- Building Permit questions:
Development Center (803) 545-3483
- Planning questions:
Krista Hampton
kmhampton@columbiasc.net

Do I have the green light to get a building permit for my flood-damaged property?



Green light: If your property is not located within the 100-year floodplain or is constructed at least two (2) feet above the base flood elevation, you will be issued a building permit for repairs that meet other applicable code standards (such as building and zoning).



Yellow light: If your property is located within the 100-year floodplain, before a building permit can be issued, it must first be determined through the completion of a Flood Hazard Permit Application:

- The elevation of the first floor of the property through submittal of an *elevation certificate*. (The City's Floodplain Manager may have one on file).
- If the structure sustained *substantial damage* or will require *substantial improvements* to make it habitable.



Red light: If your property is located within the floodplain and sustained *substantial damage* or will require *substantial improvements* to make it habitable, the structure will have to come into compliance with the City of Columbia's Flood Damage Prevention Ordinance. This means that the first floor of the building must be constructed at a height of two (2) feet above the base flood elevation. Please discuss how this affects your property specifically a City flood management representative.

What is *substantial damage*?

Substantial damage means damage of any origin sustained by a structure where the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. (Note: the cost of repairs must include all costs necessary to fully repair the structure to its pre-damaged condition.)

What are *substantial improvements*?

Substantial Improvement means improvements of any origin where the cost of improving the structure would equal or exceed 50 percent of the market value of the structure before the improvements are made. (Note: the cost of improvements must include all costs necessary to fully improve the structure.)

What is an *elevation certificate*?

The *elevation certificate* is one way for a community to comply with the National Flood Insurance Program requirement that the community obtain the elevation of the lowest floor (including basement) of all new and substantially improved structures and maintain a record of such information. Elevation Certificates must be prepared and certified by a Licensed Land Surveyor, Registered Professional Engineer or Registered Architect who is authorized by state or local law to certify elevation information.

Donations and Volunteers

- Please advise people to contact the United Way, Red Cross, Harvest Hope, or one of the shelters.
- United way has set up on their website, communications about getting and receiving help: <http://uway.org/news/give-help-get-help-flood-disaster-relief>
 - This site allows the public to register to help and is a resource for those needing help who are encouraged to call 211 for non-emergency needs.
- Donations of food are being referred to Harvest Hope Food Bank located at 2220 Shop Rd in Columbia.
- No clothing is requested at this time during emergency response. United Way will continue to address needs.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- Donated Goods and Services of South Carolina will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

- Curfew
 - Midnight to 6 a.m. through Monday, October 12,2015
- City staff
 - City offices are closed Friday, October 9th.

- Federal Disaster Applications
 - To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.
- Shelters
 - There are a total of 104 evacuees as of Sat., Oct. 10. Richland County designated shelters are listed below.
 - Temple Baptist Church, 806 Universal Drive (off Garners Ferry Road), is currently open and operating as a shelter – displaced residents needing shelter can report there today. (36 evacuees as of Sat., Oct 10)

 - St. Andrews Middle School continues to be open as a shelter, though it is anticipated to be closed Sunday, Oct. 11 as St. Andrews Presbyterian Church will be operating as a second shelter. (68 evacuees as of Sat., Oct. 10)

If an alternate location is needed, Shandon Baptist Church is available.

Monday, October 12, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Maps

Boil Water Advisory - [Download map 10/11/15](#)

Water Distribution Locations - [Download map 10/10/15](#)

Water Distribution Sites

The water distribution sites and hours of operations are listed below:

<u>LOCATIONS: WATER DISTRIBUTION SITES</u>	<u>HOURS OF OPERATION</u>
Dutch Square (former Belk parking lot), 421 Bush River Road	8 a.m. - 6:30 p.m.
Midlands Shopping Center, 2638 Two Notch Road	8 a.m. - 6:30 p.m.
Former Sam's Club parking lot, 1401 Sunset Drive	8 a.m. - 6:30 p.m.
Wal-Mart, 5424 Forest Drive	8 a.m. - 6:30 p.m.
3700 Landmark Drive	8 a.m. - 6:30 p.m.
Lower Richland High School, 2615 Lower Richland Blvd.	8 a.m. - 6:30 p.m.
Eastover Park, 1301 Main Street, Eastover, SC	8 a.m. - 6:30 p.m.
Gadsden Community Center, 1660 South Goodwin Cir. Gadsden, SC	8 a.m. - 6:30 p.m.

Water Buffalos (Water Filling Stations)

Residents will need to bring their own clean containers to the water filling stations between the hours of 9 a.m. and 7 p.m. until the boil water advisory is lifted.

<u>LOCATIONS: WATER FILLING STATIONS</u>	<u>HOURS OF OPERATION</u>
Fire Station 4, 446 Spears Creek Church Road	9 a.m. - 7 p.m.
Fire Station 18, 7401 Fairfield Road	9 a.m. - 7 p.m.
Fire Station 29, 121 Old Congaree Run	9 a.m. - 7 p.m.
Fire Station 34, 321 Elders Pond Drive	9 a.m. - 7 p.m.
Melrose Tank, 1522 Gladden Street	9 a.m. - 7 p.m.

Columbia Place Mall, 7201 Two Notch Road	9 a.m. - 7 p.m.
Greenview Park, 6700 David Street	9 a.m. - 7 p.m.
Hyatt Park, 950 Jackson Avenue	9 a.m. - 7 p.m.
Heathwood Park, 800 Abelia Road	9 a.m. - 7 p.m.
Southeast Park, 951 Hazelwood Road	9 a.m. - 7 p.m.

- Customers can bring clean containers and fill from 250 gallon tanks delivered to above sites.
- National Guard providing security and on-site assistance at tanks.
- Water at these sites is being supplied by a water purification technology unit on loan from Water Missions International. Licensed drinking water plant operators from the South Carolina Water and Wastewater Response Network have volunteered to run this unit.
- FAQ:
 - Each Station will have elevated 275 gallon water tanks with valves on site.
 - This water is being provided by a reverse osmosis filtration unit. It has been tested and found to be safe to drink. Water Missions International and South Carolina Water and Wastewater Response Network are partnering with the City to supply and support this unit.
 - Stations will be set up and distributed at fire stations around the City of Columbia and filled by a water buffalo water truck.
 - “Please take what you need”
 - Stations will be monitored to provide enough water to each location.

Water System

- Canal breach
 - Repair
 - Continuing to move materials onto canal-side of the levy to stabilize the embankment. This will continue at least through tomorrow.
 - Still working on closure. Needed materials and equipment are being delivered, but the challenge is to place them on the berm side without destabilizing the site. It is a slow and tedious process.
 - Continuing to try and reduce the flow upstream.
 - Have adequate capacity in the canal to supply water plant.
 - Walking canal twice a day to look for further breaches. There are some signs of slope stability issues and sloughing further upstream that are being watched closely but are not presently a concern.
 - Bypass pumping
 - Began working on bypass pumping plan earlier this week.
 - Canal pumping - 5 bypass pumps are currently pumping water from the Canal into the Canal Plant. One to two additional pumps will be added Fri., Oct. 9 to provide additional supply

- Broad River pumping – 2 pumps were installed and tested to draw from the Broad River and supply the Canal. Operation scheduled to begin this morning (Fri., Oct. 9). 3 more pumps were installed and awaiting testing. 4 more pumps installed, tested, and put into operation Fri., Oct. 9.
- Canal Water Treatment Plant
 - Plant production
 - Plant production is stable. Finished water quality is excellent and meeting standards.
 - Flow into reservoir is at 36 million gallons per day. Reservoir is currently FILLING.
- Lake Murray Plant
 - Stable and fully operational. Finished water quality is excellent and meets standards.
 - All distribution facilities for this part of the distribution system are fully operational
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- 10" break on Forest between Trenholm & Percival
- Under Repair:
 - 24" on Kay Street – Partially repaired. Awaiting a part for final repair; anticipate Monday completion.
 - 3200 Fernandina Road
- Flooded : Not aware of any breaks, but will analyze after water recedes
 - 4220 Shady Lane
 - Arcadia Lakes
 - Monticello and Cedar Creek

Wastewater System

- Metro Plant (no update available. Last update - Fri., Oct. 9)
 - The plant is fully operational. Producing fully treated effluent at 68 million gallons per day.
 - Equalization basin is at 129.5 ft. Max is 134-135. Influent wet well at 122.25 ft.
 - Plant returned to normal staff rotation on Sat., Oct. 10 using nearby dry farm field.
 - Out of dewatered sludge storage roll off boxes; storing sludge in the online digesters. Have plans to use offline digesters as sludge storage tanks if new boxes not delivered soon. Estimated 10 days of sludge storage at current wasting rates, although seeing signs that this level is increasing.
 - Coordinating with EMD to deliver these boxes.
 - Calculating at least 4 days of supply of all chemicals.
 - Seeing rising ammonia levels in plant before the storm. This is an indication of less flood water entering the system.
 - The collections system still appears to be taking in Inflow because the wwtp influent pumpstation remains inundated and the low manholes coming into the plant are overflowing due to the surcharge condition, operators are increasing the flow into the plant to aid these levels (currently influent flow – 72 million gallons per day).
- Collection system
 - Pump Stations
 - West Columbia Pump Station an additional pump was lost. Operating with 2 pumps; attempting to repair the second lost pump.
 - Lost connection with Saluda River Pump Station. Crews in route to check on status.
 - Bendale is flooded.

- Harbison #4 is running at high level.
- Staff will check control manhole for Saluda River Pump Station when the rain stops.
- Sanitary Sewer Overflows
 - Multiple active overflows
 - Brickyard is underwater and overflowing.
 - Multiple manholes along Gills Creek overflowing.
 - Investigating other possible SSOs
- Current assessment
 - Wastewater Maintenance has crews out today & tomorrow evaluating the system using CCTV & inspection of manholes & easements.

Boil Water Advisory

The City of Columbia Water Works advises water customers located **north of Interstate 20, west of Hardscrabble Road, and east of the Broad River, as well as the area along Parkridge Drive between Harbison Boulevard and Lake Murray Boulevard**, located in Richland County, that they no longer need to boil their water prior to drinking or cooking.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

In addition to those areas included above in this repeal, **customers in the following areas are also included as part of the repeal issued on Oct 7: Town of Chapin, Ballentine, around Hwy 6 at the Lake Murray Water Treatment Plant, customers on Farming Creek Road and customers along Broad River Road down to Geology Road to include the Lost Creek Drive and Chestnut Hills area.**

All other water customers are still under the advisory and should follow the City's [drinking water advisory guidelines](#). In addition, city officials are asking citizens to continue minimizing water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed.

Voluntary Water Conservation

As the City works to stabilize water levels at the Columbia Canal, City officials are asking citizens to minimize water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed. As a reminder, the system-wide boil water advisory is still in effect for all water customers.

For more information on water conservation, please visit <http://columbiasc.gov/press-releases/100420152013-city-working-to-restore-customer-water-services>.

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.

The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. Governor Haley will make an official announcement once all centers are open and ready to serve the public. The following locations will hold a soft opening beginning at 1 p.m. on Sat., Oct. 10:

South East Library

Address: 7421 Garners Ferry Rd, Columbia, SC 29209

Phone: (803) 776-0855

Eastover Library

Address: 608 Main St, Eastover, SC 29044

Phone: (803) 353-8584

The City is working closely with SCEMD and will have more information as it becomes available.

Service Calls

Columbia Richland Communications 9-1-1

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11 (00:01-08:00)	Event Total
CPD	631	554	650	605	133	96	113	95	4,072
CFD	1,014	225	159	156	25	24	18	39	1,978
RCSD	709	655	641	578	135	146	136	121	4,438
RCEMS	343	240	226	233	43	42	50	50	1,703
Daily Total	2,697	1,674	1,676	1,572	336	308	317	304	12,190

CRC Call Volume

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11/2015 (00:00-08:00)	Event Total
911	4,653	2,075	1,775	1441	258	157	215	164	13,088
Non-Emergency	1,762	2,308	2,123	1818	233	269	208	201	11,680
Daily Total	6,415	4,383	3,898	3,259	491	426	423	365	24,768

*Daily Totals reflect 24 hour period beginning at midnight daily.

Customer Care Center

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11 9a - 5 p	Event Total
Daily Total	6,562	4,390	2,633	2,554	3,738	3,372			19,877

Law Enforcement

Operation Period: Oct. 10th – Oct. 11th 1800 – 0600

Regional Personnel

Downtown (Lt J Williams): Personnel 11 / Vehicles 11
West Region: Personnel 5/ Vehicles 5
North Region: Personnel 13/ Vehicles 13
Metro Region: Personnel 12/Vehicles 12
East Region: Personnel 4/ Vehicles 4
South Region: Personnel 11/Vehicles 11
Greenville City Police: 8/ Vehicles 8 (Lake Katherine) (*12 Hours Worked)

Fixed Post
SC Army National Guard (SCARNG): Personnel -36/ Vehicles 20

EOC Personnel:

Columbia Police department (CPD):1
Columbia Fire Department (CFD): 1
City of Columbia: 2
Richland County Sheriff's Department (RCSD): 3
SC EMD: 1

Total Personnel:
Total Vehicles:

EOC: None
Notable Calls for service related to weather:
Water main break 1200 College St. Road closed Westbound lane only, on College St. between Main and Sumter St.

Web EOC 213 Resource Request Processed: 0
Missing persons (Shift): None (Total Outstanding): None
Weather related fatalities: (Shift) None
Weather related fatalities to date City/Cty: 9

Road Closures

*As conditions change, roadways may be opened.

Road Closures 10/10/2015

Road Closures by Region:

North Region

7. 5000 North Main St – Sinkhole (Barricaded)
8. 6800 North Main St – roadway washed out (manned)
9. Sunset and River – East on Sunset to Main (Barricades)
10. Main & Anthony- Road closed sign- local and emergency traffic only
11. Main & Sunset – Blocked South on Main and West on Sunset (manned)
12. Main & Grace – Closed North on Main to Sunset –Emergency traffic only – (manned)

Metro region

6. 3200 Pinebelt Rd – Roadway caved in (Barricades)

7. 3400 Foxhall Dr – Roadway caved in (Barricades)
8. Taylor & Williams- Manned (to block off Jarvis Klapman Bridge access)
9. Taylor & Hampton- Manned (to block off Jarvis Klapman Bridge access)
10. 1200 College St. between Main and Sumter St. Westbound Lane only (reopen approx. 1130 hrs. (*NEW*))

Metro Region closures due to closing off of Taylor and Marion intersect

5. Taylor Street (eastbound) closed at Sumter Street to Marion St
6. 1300 Marion Street, North and South bound lanes (between Taylor and Hampton St) closed
7. The parking spaces on the East side of 1300 Sumter Street and lane # 2 northbound (closest to the curb) have been blocked to provide room for the trailers that are providing service for Baptist Hospital. This may change due to the needs of the
8. Hospital and the equipment being used.

South region

13. Shop Road at S. Beltline – Structural Damage (DOT Barricade/Cones)
14. I-77 at the Bluff Rd exit ramp – Structural Damage (DOT Barricade/Cones)
15. 4600 Devine Street Bridge – Structural Damage (Active 10-54 by personnel (2))
16. Jim Hamilton Blvd (West bound) – Structural Damage (DOT Barricades/Cones)
17. Crowson Rd (small bridge leading to Marshalls) – Structural Damage (DOT Barricades/Cones)
18. E. Buchanan and Beltline – Structural Damage (DOT Barricades/Cones)
19. 4400Ft Jackson Blvd – Sink hole (Barricades)
20. 1300 Glen Haven Dr. – Washed out (Barricades)
21. 4100 Timberlane Dr. – Washed out (Barricades)
22. 3500 Trenholm Rd- Sink Hole in middle of roadway -Blocked both directions between
23. Wyndham & Tanglewood –DOT placed metal barricades and cones up to block roadway (NEW)
24. Timberlane Dr at Greenhaven Dr – Flooding – Blocked off East on Timberlane and Greenhaven (NEW)

East Region

3. 300 Spears Creek Church Rd – Washed out (Barricaded)
4. 3600 Percival to Smallwood – Washed out (Barricaded)

West Region

3. Lost Creek Dr – Lake Front Dr to Chestnut Hill Plantation Club (Barricaded)
4. Piney Grove (Newnham Dr to Bonnie Forest Blvd). Bridge partially washed out (Barricaded)

Looting and violation of curfew arrests

Columbia Police Chief Skip Holbrook and Richland County Sheriff Leon Lott announced a violation of the mandatory City/County curfew and an additional looting arrest related to the South Carolina flooding event.

10/10/15

OBryan Cabbagestalk (DOB: 1-10-1985) is charged with Violation of Curfew and Simple Possession of Marijuana.

Deputies located Cabbagestalk shortly before 1:00 o'clock this morning at Nick's Gyros and Phillys restaurant located at 1931 Broad River Road.

Deputies on patrol noticed Cabbagestalk in a vehicle breaking the mandatory curfew. While speaking with him, deputies also lawfully searched the suspect and discovered that Cabbagestalk possessed marijuana.

Additionally, a tip led to the arrest yesterday of 21-year-old Shiparish Yates (DOB: 12-15-1993). She is charged with Looting (During a State of Emergency).

Yates is accused of stealing miscellaneous items from a neighbor who evacuated the flood waters earlier in the week from Shandon Crossing Apartments located at 504 South Beltline Boulevard.

Yates allegedly stole an Xbox gaming system, televisions and a microwave from the male victim.

The tipster advised law enforcement that stolen items were being stored in Yates' apartment. Deputies executed a lawful search warrant at her home and discovered stolen merchandise.

A Richland County judge set Yates' surety bond at \$10,000.

Cabbagestalk and Yates are being housed at the Alvin S. Glenn Detention Center.

**** The City/County-wide curfew remains in effect from midnight until 6:00 a.m. ****

10/09/15

Jeremy Jeffers (DOB: 8-30-1982)

Charge: Looting during a State of Emergency

Jeffers is accused of stealing miscellaneous items from front yards of flood victims at the 1200 block of GlenHaven Drive on Oct. 9, 2015.

A CPD Officer made the arrest while conducting security checks in various neighborhoods. The stolen items were returned to their rightful owners.

Citizens who witness looting should call 9-1-1.

For more information regarding the SC Code of Law for Looting, visit:

www.scstatehouse.gov/code/t16c007.php

10/08/15

- Justin T. Fann (DOB: 8-20-1982)
- Timothy B. Wyllie (DOB: 6-11-1983)

Charge: Looting

- SC Code of Law: 16-7-10 (2): Unlawful Activity During State of Emergency - Accused of stealing resident's belongings from front porches in the Glennhaven/ Western Pine area.

Report from Richland County:

RCSD arrested 73-year-old **Charles Kauffman** (DOB: 11-2-1942) with **Attempted Murder** and **Illegal Acts during a State of Emergency**.

He was arrested at his Holly Ridge Lane home this morning.

Kauffman is accused of hitting a SC National Guardsman with his vehicle near Harvest Hope on Shop Road Friday. The victim was directing traffic at the time and suffered serious injuries. He has since been treated and released from a local hospital.

RCSD also wrote two citations for violating curfew. I am working on gathering additional information.

All persons arrested/charged are presumed innocent until or unless proven guilty in a court of law.

Fire

October 3, 2015 0800 – October 8, 2015 2000

- Search Teams
 - CFD, CPD, RCSD, SLED, SC National Guard, US Army, Aiken Sheriff Department, SCDNR, State Boat Teams, SC Forestry Commission, Virginia USAR (Urban Search & Rescue)
 - 349 Team Members
- **Columbia Fire Department is partnering with Palmetto Health** - *CFD is providing resource to assist with an aid station in one community affected by Flood Joaquin*
 - The Columbia Fire Department is partnering with Palmetto Health on Friday, October 9 – Tuesday, October 13 from 9 a.m. – 6 p.m. at 4811 Devereaux Street, to provide a resource, Metropolitan Emergency Response Vehicle (medical bus) for a community first aid station for the citizens of the Lake Katherine, Burwell, Rickenbacker, Kings Grant areas.
 - Volunteer physicians, nurses, nurse practitioners and paramedics from Richland County EMS are providing care to those who need wound care, tetanus evaluation/update and general medical care.
- **Public Status Summary**
 - Completion of door to door search & rescue operations
 - Northern Richland County assessed to determine need for additional search
 - 9 fatalities/all 9 were recovered during search & rescue missions to date
 - 338sq mi searched
 - 281sq mi assessed for need
 - 8,110 homes checked/cleared
 - 473 civilians evacuated/all others contacted-sheltered in place
 - 2,095 civilians assisted
 - 11 pets rescued/sheltered with owner
- **Responder Status Summary**
 - 3 Injured/Illness responders (Day 1)
 - 1 trapped/in need of rescue (Day 1)
 - All 4 were FF MAYDAYS (FF life or safety is in jeopardy & FF is unable to remove him/herself from threatening situation)
 - Responder returned to service next day
- **Primary Materials or Hazards Involved (these hampered normal fire suppression coverage)**
 - Significant flooding in urban areas
 - Access and egress limited due to flooding and damaged roads/bridges

- Dams of ponds & lakes in the area have been compromised & pose risk of additional flash flooding.
- **Weather Concerns**
 - Ground in area is saturated. Ten day forecast includes chance of additional rain
 - 10/9/15 Forecast
 - Sunny, 82 degrees, winds light & variable
- **Objectives**
 - Provide search & rescue to citizens effected by flooding
 - At mission completion affected areas will be canvassed, cleared & citizens assisted with critical needs.
- **Current Incident Threat Summary & Risk Information**
 - Next 48hrs -Limited access/egress, dams at risk of breaching, citizens with no power/potable water
- **Critical Resource Needs**
 - Next 48hrs-Military assets/transport, USAR boat teams (SC Task Force 1), Mutual Aid Firefighting resources/Firefighter Mobilization assets
- **Planned Actions for Operational Period #11**
 - Transition operation back to CFD
 - CFD will provide safety & support for canal operations
 - Continue assisting hospitals with water needs (low water pressure)
 - Maintain normal CFD operations & provide increased presence in affected communities
- **Incident Management Team (IMT) Demobilization**
 - IMT transitional process back to CFD
 - CFD has requested multiple fire suppression assets through SC Firefighter Mobilization
 - Tankers throughout the State are being strategically placed in response areas due to lack of roadway access
 - Note-not for any city canal concerns

*Once all roadways are accessible Firefighter Mobilization will demobilize

Solid waste

- Storm debris collections started on Wednesday, Oct. 7. Will continue throughout weekend.
- Garbage collections normal service began Thursday, Oct. 8.
- Solid Waste Division will resume regular garbage and recycling services on Monday, October 12, 2015, with the exception of yard waste.
 - Currently, the Solid Waste Division is focusing on storm debris cleanup and will suspend regular yard waste pickup services until Monday, October 19, 2015.
 - Garbage and recycling services may be limited in storm areas due to street access and roadway safety.
 - To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
 - For more information or to report lost roll carts, please visit www.columbiasc.net/solid-waste or call the Solid Waste Division at 803-545-3800.

Flood Damaged Property - Building Permit Information

There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.

Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

Floodplain Management Contacts

- Flood Plain Management questions:
Ali Khan (803) 545-3400
lakhan@columbiasc.net
- Building Code questions:
Jerry Thompson (803) 545-3442
jthompson@columbiasc.net
- Building Permit questions:
Development Center (803) 545-3483
- Planning questions:
Krista Hampton
kmhampton@columbiasc.net

Do I have the green light to get a building permit for my flood-damaged property?



Green light: If your property is not located within the 100-year floodplain or is constructed at least two (2) feet above the base flood elevation, you will be issued a building permit for repairs that meet other applicable code standards (such as building and zoning).



Yellow light: If your property is located within the 100-year floodplain, before a building permit can be issued, it must first be determined through the completion of a Flood Hazard Permit Application:

- The elevation of the first floor of the property through submittal of an *elevation certificate*. (The City's Floodplain Manager may have one on file).
- If the structure sustained *substantial damage* or will require *substantial improvements* to make it habitable.



Red light: If your property is located within the floodplain and sustained *substantial damage* or will require *substantial improvements* to make it habitable, the structure will have to come into compliance with the City of Columbia's Flood Damage Prevention Ordinance. This means that the first floor of the building must be constructed at a height of two (2) feet above the base flood elevation. Please discuss how this affects your property specifically a City flood management representative.

What is *substantial damage*?

Substantial damage means damage of any origin sustained by a structure where the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. (Note: the cost of repairs must include all costs necessary to fully repair the structure to its pre-damaged condition.)

What are *substantial improvements*?

Substantial Improvement means improvements of any origin where the cost of improving the structure would equal or exceed 50 percent of the market value of the structure before the improvements are made. (Note: the cost of improvements must include all costs necessary to fully improve the structure.)

What is an *elevation certificate*?

The *elevation certificate* is one way for a community to comply with the National Flood Insurance Program requirement that the community obtain the elevation of the lowest floor (including basement) of all new and substantially improved structures and maintain a record of such information. Elevation Certificates must be prepared and certified by a Licensed Land Surveyor, Registered Professional Engineer or Registered Architect who is authorized by state or local law to certify elevation information.

Donations and Volunteers

- Please advise people to contact the United Way, Red Cross, Harvest Hope, or one of the shelters.
- United way has set up on their website, communications about getting and receiving help: <http://uway.org/news/give-help-get-help-flood-disaster-relief>
 - This site allows the public to register to help and is a resource for those needing help who are encouraged to call 211 for non-emergency needs.
- Donations of food are being referred to Harvest Hope Food Bank located at 2220 Shop Rd in Columbia.
- No clothing is requested at this time during emergency response. United Way will continue to address needs.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- Donated Goods and Services of South Carolina will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

- Curfew
 - Midnight to 6 a.m. through Monday, October 12,2015
- City staff
 - City offices are closed Friday, October 9th.

- Federal Disaster Applications
 - To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.
- Shelters
 - There are a total of 104 evacuees as of Sat., Oct. 10. Richland County designated shelters are listed below.
 - Temple Baptist Church, 806 Universal Drive (off Garners Ferry Road), is currently open and operating as a shelter – displaced residents needing shelter can report there today. (36 evacuees as of Sat., Oct 10)

 - St. Andrews Middle School continues to be open as a shelter, though it is anticipated to be closed Sunday, Oct. 11 as St. Andrews Presbyterian Church will be operating as a second shelter. (68 evacuees as of Sat., Oct. 10)

If an alternate location is needed, Shandon Baptist Church is available.

Tuesday, October 13, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Canal Repair

- Dam is constructed at 150 ft. elevation. Continuing to build structure.
- Assessing remaining dike and reinforcing where necessary.
- Anticipate bringing water level back up by end of the week for raw water intake.
- Bypass pumping will also remain in place after dam is complete.

Water Plants

- Lake Murray
 - Continues stable and full operation. Finished water quality is excellent and meeting standards.
 - All distribution facilities for this part of the distribution system are fully operational
 - All of system primarily serviced by this plant is no longer under flood-related boil water advisory.
 - Audobon Oaks boil water advisory was due to construction-related line break. Unrelated to other system issues. Line has been fixed. Awaiting samples.
- Columbia Canal
 - Finished water quality is excellent and meeting standards.
 - Completed second 24" pipe from Broad River and activated. It worked well all night. Can pump 30-35 million gallons per day from River.
 - Still getting 12 million gallons per day from Canal.
 - Pond is full.
 - Entire Canal system sampled yesterday. Awaiting results today.

Water Distribution

- All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
- Completed Monday, Oct. 5 – Sunday, Oct. 11
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace

- Hunt Club Road
- 510 Lakeside Avenue
- Beaver Dam Road
- 18" line break between South Beltline and Veterans
- 300' section out along Caughman Road from Benson to Dominion
- Overcreek – 6" broke in half at dam breach
- 10" break on Forest between Trenholm & Percival
- Completed – Monday, Oct. 12
 - Audobon Oaks break caused by construction. Line has been repaired.
 - 3200 Fernandina Road – checked line. No break to repair.
 - 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
 - Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
 - Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- Under Repair
 - 24" on Kay Street – Part has been delayed. Anticipate receiving on Tuesday, Oct. 13.

Wastewater

- Metro Plant
 - The plant is fully operational. Treated effluent flow for the previous 24 hr period was 60.76 MGD.
 - Influent flow for the previous 24 hr period was 72.18 MGD. IPS wetwell level at 121.92 elevation. Lowest known manholes in the collection system at 122 elevation.
 - Equalization basin is at 130.03 ft. Max is 134-135.
 - Solids dewatering is not running. Dewatered sludge storage roll off boxes currently are not available due to the flooded entrance road; thickened solids are being stored in the online digesters. Current levels: Dig.1 – 13.1 ft. Dig.2- 14.5 ft. We can store up to 18 ft. in each digester provided that the solids do not foam up and over the lids. Have plans to use offline digesters to store thickened solids if new boxes are not delivered soon. Estimate 2 days of storage before the offline tanks must be used. The storage container vender has been contacted for potential collection and delivery of storage containers as soon as 10-13-15 dependent on water levels on WWTP access road.
 - Calculating 2 days of availability for Magnesium Hydroxide (~400 gal/day) and 4 days of availability for Sodium Hypochlorite (~0.5' tank level per day). All chemical vendors have been contacted and preparations underway for delivery of chemicals this week. Magnesium Hydroxide has been scheduled for delivery on the morning of 10/14/15.
 - WWM has completed improvements to the rear plant entrance to enable normal staffing operation.
 - Maintenance staff back-flushed Grit pump 3B, trying to get it back online. Grit Train 2 is currently out of service, pumps 2A and B are both clogged all the way into the tank. Maintenance staff is planning to remove the pipes going into Grit Train 2 to begin clearing out the packed in grit accumulated due to the storm event.
- Collection system
 - Pump Stations
 - Garners ferry Rd - High Level with both pumps running at #040- (due to easement flooding issues)

- East Bluff Pump Station - Pump #2 jumped out at #030 – Assessing cause of pump failure
 - West Columbia Pump Station - Pump #3 out of service at #110 (working with Flygt to replace damaged pump)
 - Shady Lane Pump Station - High Level with both pumps running at #310 (due to cleaning of gravity lines and release of upstream blockages)
 - Mill Creek Pump Station - Grinder out of service at #065
 - North Columbia Pump Station - Grinder out of service at #295
- Crane Creek Temporary Bypass System (By Contractor)
 - The temporary bypass system was flooded and is currently operational
 - The Contractor is in the process of locating 5 additional pumps to replace the pumps lost during the flood
 - Portions of the temporary bypass force main have been inspected by the Contractor and it is reported to be in good condition. The Contractor will conduct a more detailed inspection of the force main once the flood waters recede.
 - The aerial crossing providing support for the force main across crane creek was destroyed and will need to be re-built
 - Once the Contractor locates and obtain replacement pumps and CSX repairs the damaged train trestle along the project corridor, McClam is estimating that it will take an additional two months to before the temporary by-pass system will be operational.
- Sanitary Sewer Overflows
 - Candi Lane – 3 manholes overflowing. Contractor assistance is underway.
 - 1003 Airport Blvd SSO – Main line blockage. Due to the depth of the sewer main, using a contractor for this work
 - South of I-77 & Bluff Road, a manhole riser and cone has been removed by the flood waters causing an SSO and inflow of flood waters. Contractual repair.
- Condition Assessment
 - Lines inspected using CCTV: 1886 feet
 - Lines cleaned: 6084 feet
 - Manholes Inspected: 32
 - Easements inspected:
 - Shady Lane
 - Kilbourne Road
 - Downy Street
 - Fontana
 - Blossom St
 - Haywood St
 - Bedford Drive
 - Leesburg Road
- Repairs or investigation
 - 510 Koon Street/Brickyard manhole ring and cover replaced
 - Peeples Street manhole ring and cover replaced
 - Reflections S/D manhole ring and cover replaced
- SSO Clean up locations:
 - 8610 Blossom Street
 - 1514 Kathwood Drive
 - 1737 Buchanan St
- Service Calls received and responded to: 29
- WWM Crews are working on the following:
 - Re-check Critical Manholes

- Continue assessment and documentation, ie. creek crossings, easements
- Address SSO's and Service calls
- Location of Contractor Repairs: Currently assessing all locations and moving forward with emergency procurement packages
 - Caughman Road Main Line Repair – Temporary repair made
 - Westwood Avenue Easement/Main Line Repair - Assessing
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing
 - 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away
 - West Columbia 42" Interceptor Blockage/Repair – Unknown stoppage in 42" north of foot bridge to botanical gardens. Vender traveling and will assess by CCTV tomorrow
 - Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over
 - 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out
 - Quail Creek Repair – Repair made by contractor
 - Reflections Repair – Repair made by contractor
 - 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
 - Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Tuesday, October 13, 2015, from 6-8 PM
Bible Way Church's C.R. Neal Dream Center
2430 Atlas Road, Columbia, SC, 29209
 - Thursday, October 15, 2015, from 6-8 PM
Kilbourne Park Baptist Church's Annie Green Building
4205 Kilbourne Rd, Columbia, SC, 29206

Boil Water Advisory & Partial Repeals

10.12.15 Boil Water Advisory:

The City of Columbia Water Works advises the water customers of the Audubon Oaks Subdivision (Audubon Oaks Way, Willow Fork Way, Audubon Court, Maple Tree Court, Plum Wood Court), located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced an eight-inch water main break. This could possibly result in bacterial contamination of the water in the Audubon Oaks Subdivision (Audubon Oaks Way, Willow Fork Way, Audubon Court, Maple Tree Court, Plum Wood Court). Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620 or the South Carolina Hospitality Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

10.11.15 Partial Repeal of Boil Water Advisory

The City of Columbia Water Works advises the water customers of the **Irmo, Dutch Square, and Saint Andrews areas and all City Of Columbia water customers located west of the Broad River**, located in **Richland and Lexington** Counties, that they no longer need to boil their water prior to drinking or cooking.

In addition, customers located in **northeast Columbia in the areas between Percival Road and Hard Scrabble Road, north of Sparkleberry Lane and North Brickyard Road** no longer need to boil their water prior to drinking or cooking. These locations include areas in and around the **Village at Sandhills, Lake Carolina, the Summit, the Woodlands and Woodcreek Farms Subdivisions**, located in **Richland** County.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

In addition to those areas included above in this repeal, customers in the following areas are also included as part of the repeals issued on October 7th and 10th: Town of Chapin, Ballentine, around Hwy

6 at the Lake Murray Water Treatment Plant, customers on Farming Creek Road and customers along Broad River Road down to Geology Road to include the Lost Creek Drive and Chestnut Hills area. North of Interstate 20, west of Hardscrabble Road, and east of the Broad River, as well as the area along Parkridge Drive between Harbison Boulevard and Lake Murray Boulevard.

All other water customers are still under the advisory and should follow the City's [drinking water advisory guidelines](#). In addition, city officials are asking citizens to continue minimizing water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed.

Neighborhood Lists

[Neighborhoods under Boil Water Advisory as of Oct. 12](#)

[Neighborhoods within Repeal of Boil Water Advisory as of Oct. 11](#)

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.

The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>

The City is working closely with SCEMD and will have more information as it becomes available.

DHEC Announces Locations for More Free Tetanus Vaccination Clinics

The S.C. Department of Health and Environmental Control announced additional tetanus vaccination clinics in Florence, Georgetown, Lexington, Richland, and Williamsburg counties.

Weekend clinics in the Midlands resulted in 1,068 people receiving a tetanus vaccine. The vaccine is recommended if it's been 10 years or more since your last tetanus vaccination or you have experienced an injury and your shot is more than five years old.

DHEC is also offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.

DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Water Distribution Sites

Water Distribution Map - [Download map 10/10/15](#)

The water distribution sites and hours of operations are listed below:

<u>LOCATIONS: WATER DISTRIBUTION SITES</u>	<u>HOURS OF OPERATION</u>
Dutch Square (former Belk parking lot), 421 Bush River Road	8 a.m. - 6:30 p.m.
Midlands Shopping Center, 2638 Two Notch Road	8 a.m. - 6:30 p.m.
Former Sam's Club parking lot, 1401 Sunset Drive	8 a.m. - 6:30 p.m.
Wal-Mart, 5424 Forest Drive	8 a.m. - 6:30 p.m.
3700 Landmark Drive	8 a.m. - 6:30 p.m.
Lower Richland High School, 2615 Lower Richland Blvd.	8 a.m. - 6:30 p.m.
Eastover Park, 1301 Main Street, Eastover, SC	8 a.m. - 6:30 p.m.
Gadsden Community Center, 1660 South Goodwin Cir. Gadsden, SC	8 a.m. - 6:30 p.m.

Water Buffalos (Water Filling Stations)

Residents will need to bring their own clean containers to the water filling stations between the hours of 9 a.m. and 7 p.m. until the boil water advisory is lifted.

<u>LOCATIONS: WATER FILLING STATIONS</u>	<u>HOURS OF OPERATION</u>
Fire Station 29, 121 Old Congaree Run	9 a.m. - 7 p.m.
Melrose Tank, 1522 Gladden Street	9 a.m. - 7 p.m.
Columbia Place Mall, 7201 Two Notch Road	9 a.m. - 7 p.m.
Greenview Park, 6700 David Street	9 a.m. - 7 p.m.
Hyatt Park, 950 Jackson Avenue	9 a.m. - 7 p.m.
Heathwood Park, 800 Abelia Road	9 a.m. - 7 p.m.
Southeast Park, 951 Hazelwood Road	9 a.m. - 7 p.m.

- Water at these sites is being supplied by a water purification technology unit on loan from Water Missions International. Licensed drinking water plant operators from the South Carolina Water and Wastewater Response Network have volunteered to run this unit.
- FAQ:
 - Each Station will have elevated 275 gallon water tanks with valves on site.
 - This water is being provided by a reverse osmosis filtration unit. It has been tested and found to be safe to drink. Stations will be set up and distributed at fire stations around the City of Columbia and filled by a water buffalo water truck.

- Stations will be monitored to provide enough water to each location.

Voluntary Water Conservation

As the City works to stabilize water levels at the Columbia Canal, City officials are asking citizens to minimize water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed. As a reminder, the system-wide boil water advisory is still in effect for all water customers.

For more information on water conservation, please visit <http://columbiasc.gov/press-releases/100420152013-city-working-to-restore-customer-water-services>.

Service Calls

Columbia Richland Communications 9-1-1

	10/4	10/5	10/6	10/7/	10/8	10/9	10/10	10/11	10/12	10/13 00:00- 08:00)	Event Total
Agencies											
CPD	631	554	650	605	600	529	408	455	507	88	5027
CFD	1014	225	159	156	136	140	109	135	127	25	2226
RCSD	709	655	641	578	641	639	454	540	519	87	5463
RCEMS	343	240	226	233	221	220	170	205	200	39	2097
Daily Total	2,697	1,674	1,676	1,572	1,598	1,528	1,141	1,335	1,353	239	14,813

CRC Call Volume

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12		Event Total
Phones											
911	4,653	2,075	1,775	1,441	1,532	1,295	1,159	1,116	1,164	155	16,365
Admin	1,762	2,308	2,123	1,818	1,612	1,595	1,250	1,213	1,392	199	15,272

Daily Total	6,415	4,383	3,898	3,259	3,144	2,890	2,409	2,329	2,556	354	31,637
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***Daily Totals reflect 24 hour period beginning at midnight daily.**

Customer Care Center											
	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13 12a – 8a	Event Total
Daily Total	6,562	4,390	2,633	2,554	3,738	3,372	1,487	3,451	6,225	180	34,592

Law Enforcement

Road Closures as of Oct. 12

*As conditions change, roadways may be opened.

Road Closures by Region:

North Region

1. 5000 North Main St – Sinkhole (Barricaded)
2. 6800 North Main St – roadway washed out (manned)
3. Sunset and River – East on Sunset to Main (Barricades)
4. Main & Anthony- Road closed sign- local and emergency traffic only
5. Main & Sunset – Blocked South on Main and West on Sunset (manned)
6. Main & Grace – Closed North on Main to Sunset –Emergency traffic only – (manned)

Metro region

1. 3200 Pinebelt Rd – Roadway caved in (Barricades)
2. 3400 Foxhall Dr – Roadway caved in (Barricades)
3. Taylor & Williams- Manned (to block off Jarvis Klapman Bridge access)
4. Taylor & Hampton- Manned (to block off Jarvis Klapman Bridge access)
5. 1200 College St. between Main and Sumter St. Westbound Lane only (reopen approx. 1130 hrs. (*NEW*))

Metro Region closures due to closing off of Taylor and Marion intersect

1. Taylor Street (eastbound) closed at Sumter Street to Marion St
2. 1300 Marion Street, North and South bound lanes (between Taylor and Hampton St) closed.
3. The parking spaces on the East side of 1300 Sumter Street and lane # 2 northbound (closest to the curb) have been blocked to provide room for the trailers that are providing service for Baptist Hospital. This may change due to the needs of the Hospital and the equipment being used.

South Region

1. Shop Road at S. Beltline – Structural Damage (DOT Barricade/Cones)
2. I-77 at the Bluff Rd exit ramp – Structural Damage (DOT Barricade/Cones)
3. 4600 Devine Street Bridge – Structural Damage (Active 10-54 by personnel (2)
4. Jim Hamilton Blvd (West bound) – Structural Damage (DOT Barricades/Cones)
5. Crowson Rd (small bridge leading to Marshalls) – Structural Damage (DOT Barricades/Cones)
6. E. Buchanan and Beltline – Structural Damage (DOT Barricades/Cones)

7. 4400Ft Jackson Blvd – Sink hole (Barricades)
8. 1300 Glen Haven Dr. – Washed out (Barricades)
9. 4100 Timberlane Dr. – Washed out (Barricades)
10. 3500 Trenholm Rd- Sink Hole in middle of roadway -Blocked both directions between Wyndham & Tanglewood –DOT placed metal barricades and cones up to block roadway (NEW)
11. Timberlane Dr at Greenhaven Dr – Flooding – Blocked off East on Timberlane and Greenhaven (NEW)

East Region

1. 300 Spears Creek Church Rd – Washed out (Barricaded)
2. 3600 Percival to Smallwood – Washed out (Barricaded)

West Region

1. Lost Creek Dr – Lake Front Dr to Chestnut Hill Plantation Club (Barricaded)
2. Piney Grove (Newnham Dr to Bonnie Forest Blvd). Bridge partially washed out (Barricaded)

Fire

Fire Briefing: as of Oct. 12

- Maintaining local, regional, state and federal response teams in support of emergency operations to provide adequate water supply and personnel staffing for day-to-day emergency functions:
 - First Responder Mobilization Statistics as of today: 10/11/2015
 - 32,932 Man-hours
 - 53 vehicles
 - 9 Swift-water teams
 - 40 Departments / Agencies
- CFD is continuing to support the water safety requirements at the Canal operation
- Fire Suppression Units are continuing to evaluate roads, dams, and limited access areas.
- Columbia Fire Department is continuing to partner with Palmetto Health by providing resources to assist with a first aid station in one community affected by Flood Joaquin.
- Today CFD and RC EOC began prioritizing emergency vehicle access needs to include State DOT roads and County Maintained roads (NON-CIVILIAN USE)
- This is based on limited access and population served
- Most of the assets used for the water supply contingency and hospital support functions are being reduced or released.

Major Objectives:

- Road access for emergency vehicles remains a top priority for fire service units
- Begin normalization of Fire Department response services in the coming days
- Provide needed staffing levels due to response delays caused by flooding
- Provide a Swift-water safety team for the construction on the City water canal project.
- Provide a contingent water supply for adequate fire suppression needs across the City of Columbia and Richland County
- Continue the community assessments, in all fire districts, within the flooded areas and assist with critical needs.
- Continue providing information updates to Law Enforcement, City and County Leadership, and participating agencies' Public Information Officers.

- Fire Department Response Units have determined Priority State Roads based on limited emergency vehicle access. Based on limited access/egress in priority due to area covered: (State DOT Roads/ Bridges Only) Population Served by Emergency Services included.
 1. Leesburg Rd at HWY 601 ((being reported that SCDOT is to begin today, Oct. 13)
 2. Monticello Rd (being reported that SCDOT is to begin work today, Oct. 13)
 3. Fairfield Rd
 4. Old Eastover Rd
 5. Lower Richland Blvd at Bluff Rd
 6. Polo Rd
 7. Wilson Rd at Hard Scrabble
 8. Alpine Rd
 9. Killian Rd
 10. Fulmer Rd

- CFD is currently coordinating directly with Henry Lewis (RC EOC) on prioritization for NON-STATE DOT Roads (County maintained Roads) Based on limited access/egress in priority due to area covered
 1. Old Isaac Rd
 2. Lane Horse Rd
 3. Old Leesburg Rd (Paved)
 4. Teague Rd.

Staffing Plans for Areas Affected by Flood

- Station 17
 - Increase 17 Engine to 3 Person Engine with FF Mobilization
 - Tanker 17 staffed by CFD
 - Staff additional Army Tanker
 - Total Increased Personnel 4

- Station 18
 - Increase 18 Engine to 3 Person Engine with FF Mobilization
 - Tanker 18 staffed by CFD
 - Staff additional Army Tanker and Engine
 - Total Increased Personnel 9

Access to the above stations has been cut off from other units due to Monticello Rd and Fairfield Rd closures. This has increased some response times by over 30 minutes to affected areas.

- Station 19
 - Staff Army Tanker
 - Total Increased Personnel 2

- Station 23 and 29
 - Staff T23 and T29 with FF Mobilization
 - Total Increased Personnel 1 and 1

- Station 22

- Staff additional Army Tanker and Engine
- Total Increased Personnel 5
- Station 31
 - Add additional Engine with FF Mobilization
 - Add FF Mobilization Tanker at Station 4
 - Total Increased Personnel 5

Access to the above stations has been cut off from other units due to multiple road closures. This has increased response times by over 30 minutes to some of the affected areas. Lower Richland Blvd and Bluff Rd access, Old Eastover access, 601 Access and Leesburg at 601.

Solid waste

- Storm debris collections started on Wednesday, Oct. 7. Will continue throughout weekend.
- Garbage collections normal service began Thursday, Oct. 8.
- Solid Waste Division will resume regular garbage and recycling services on Monday, October 12, 2015, with the exception of yard waste.
 - Currently, the Solid Waste Division is focusing on storm debris cleanup and will suspend regular yard waste pickup services until Monday, October 19, 2015.
 - Garbage and recycling services may be limited in storm areas due to street access and roadway safety.
 - To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
 - For more information or to report lost roll carts, please visit www.columbiasc.net/solid-waste or call the Solid Waste Division at 803-545-3800.
- Shown below is a spreadsheet that shows City bridges and culverts that are in the process or being inspected for safety reasons. SCDOT is doing inspections for the City and should complete them within the next couple of days to include cost estimates for repairs of the ones that are not safe for passage.
- Also Solid Waste is moving debris within the City and have completed two rounds of collections in the flooded areas. Below is the tonnages for each day and a total of what has been collected so far

Oct. 8	331 tons
Oct. 9	340 tons
Oct. 10	431 tons
Oct. 12	441 tons
Total	1600 tons

Road Names	Between		Comments	Road Ownership	Jurisdiction	Action Requested	Resolution

Lost Creek Drive			At entrance off Broad River Road	City	City	Request PDA Team for Costing	Remains Closed 6 precast panel have collapsed SCDOT to provide cost estimate for repair
Earlewood Park Bridge			At North Main	City	City	Request PDA Team for Costing	
Jim Hamilton Blvd	Entrance to Jim Hamilton Airport	South Ott		City	City	Request PDA Team for Costing	
King Charles Drive				City	City	Inspect for Safe Passage	Safe for Passage
Lost Creek Drive	Grove Hall Lane	Gauley Drive		City	City	Inspect for Safe Passage	
Quail Lane				City	City	Inspect for Safe Passage	
Woodlake			At Kathwood	City	City	Inspect for Safe Passage	Safe for Passage, Needs Debris Removal
Woodlake			Off Trenholm	City	City	Inspect for Safe Passage	Safe for Passage
Riverbanks Zoo	Zoo	Botanical Gardens				Inspect for Safe Passage	

Flood Repair Permitting Assistance Updates | Temporary Walk-up Flood Repair Stations at Washington Square

The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).

The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.

Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Repair Permitting Open House

The City of Columbia will hold two open houses to answer questions about the City's flood repair and rebuilding permitting process.

On Tuesday, October 13, 2015, from 6-8 PM, the open house will be held at the C.R. Neal Dream Center located at 2430 Atlas Road, Columbia, SC, 29209. On Thursday, October 15, 2015, from 6-8 PM, the open house will be held at Kilbourne Park Baptist Church located at 4205 Kilbourne Rd, Columbia, SC, 29206.

The Flood Repair Permitting Open Houses are designed to answer homeowner and contractor questions about the permitting application process in a one-on-one setting. Spanish interpreters will be available at both open houses.

Flood Repair Permitting Open House attendees can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, and have any questions regarding the application process answered. No permits will be issued at these meetings. Permits can only be issued from the City at Washington Square (1136 Washington Street).

City of Columbia residents can find out more about the City's floodplain permitting policy at <http://www.columbiasc.net/headlines/100420151500-flood>.

To determine if you are eligible to receive disaster assistance, please go to <http://www.disasterassistance.gov/>.

Flood Damaged Property - Building Permit Information

There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.

Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

Floodplain Management Contacts:

Flood Plain Management questions:
Ali Khan (803) 545-3400
lakhan@columbiasc.net

Building Code
questions:
Jerry Thompson (803) 545-3442

jlthompson@columbiasc.net
Building Permit questions:
Development Center (803) 545-3483

Planning questions:
Krista Hampton
kmhampton@columbiasc.net

Do I have the green light to get a building permit for my flood-damaged property?



Green light: If your property is not located within the 100-year floodplain or is constructed at least two (2) feet above the base flood elevation, you will be issued a building permit for repairs that meet other applicable code standards (such as building and zoning).



Yellow light: If your property is located within the 100-year floodplain, before a building permit can be issued, it must first be determined through the completion of a Flood Hazard Permit Application:

- The elevation of the first floor of the property through submittal of an *elevation certificate*. (The City's Floodplain Manager may have one on file).
- If the structure sustained *substantial damage* or will require *substantial improvements* to make it habitable.



Red light: If your property is located within the floodplain and sustained *substantial damage* or will require *substantial improvements* to make it habitable, the structure will have to come into compliance with the City of Columbia's Flood Damage Prevention Ordinance. This means that the first floor of the building must be constructed at a height of two (2) feet above the base flood elevation. Please discuss how this affects your property specifically a City flood management representative.

What is *substantial damage*?

Substantial damage means damage of any origin sustained by a structure where the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. (Note: the cost of repairs must include all costs necessary to fully repair the structure to its pre-damaged condition.)

What are *substantial improvements*?

Substantial Improvement means improvements of any origin where the cost of improving the structure would equal or exceed 50 percent of the market value of the structure before the improvements are made. (Note: the cost of improvements must include all costs necessary to fully improve the structure.)

What is an *elevation certificate*?

The *elevation certificate* is one way for a community to comply with the National Flood Insurance Program requirement that the community obtain the elevation of the lowest floor (including basement) of all new and substantially improved structures and maintain a record of such information. Elevation Certificates must be prepared and certified by a Licensed Land Surveyor, Registered Professional Engineer or Registered Architect who is authorized by state or local law to certify elevation information.

Donations and Volunteers

- Please advise people to contact the United Way, Red Cross, Harvest Hope, or one of the shelters.

- United way has set up on their website, communications about getting and receiving help: <http://uway.org/news/give-help-get-help-flood-disaster-relief>
 - This site allows the public to register to help and is a resource for those needing help who are encouraged to call 211 for non-emergency needs.
- Donations of food are being referred to Harvest Hope Food Bank located at 2220 Shop Rd in Columbia.
- No clothing is requested at this time during emergency response. United Way will continue to address needs.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- Donated Goods and Services of South Carolina will be coordinating donations and volunteers. Please call 1-888-585-9643.

Pet Safety during Flood Recovery

- The City's Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Additional Notes

- Federal Disaster Applications
 - To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>
- Shelters: Richland County designated shelters are listed below.
 - Temple Baptist Church
 - St. Andrews Presbyterian Church

*If an alternate location is needed, Shandon Baptist Church is available.

Wednesday, October 14, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Press Briefing on October 14

The City Manager and City staff will hold a press briefing on October 14, 2015 at 1225 Lady Street (lobby) at 4:00 p.m. Please note that this location is subject to change due to ongoing recovery operations.

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing to build structure.
- Evaluating upstream embankment. Working with contractor to start remediation today.
- National Guard assistance will be reduced starting today.
- Bypass pumping continues and will continue until Canal levels can be raised..

Water Plants

- Lake Murray
 - Continues stable and full operation. Finished water quality is excellent and meeting standards.
 - Produced approximately 39 million gallons on Oct. 13.
 - All distribution facilities for this part of the distribution system are fully operational
 - All of system primarily serviced by this plant is no longer under flood-related boil water advisory. Audobon Oaks boil water advisory was lifted.
- Columbia Canal
 - Finished water quality is excellent and meeting standards.
 - Broad River is temporarily the sole source for water due to low levels in Canal. Two 24" lines and pumps delivering ample water supply. The river level is dropping, but is still at a level to sustain pumping.
 - Raw water pumped yesterday was approximately 28 MG.
 - Raw water reservoir remains at full pool.
 - Finished water pumped yesterday was approximately 19.3 MG. This value is up slightly from previous days as we begin to resume normal distribution system operation.
- Water Quality
 - Finished water supply from Cayce was discontinued yesterday at approximately 9:00 am due to lack of need.
 - New temporary West Columbia supply was initiated yesterday morning at approximately 9:30 am and remained active for a few hours, then discontinued.
 - These temporary sources will remain as emergency standby and not utilized unless necessary due to differences in disinfection chemistry.
 - Distribution samples collected on 10/12 were read yesterday afternoon and all were clean.
 - Additional distribution samples were collected yesterday and will be read early this afternoon.

Water Distribution

- All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
- Completed Monday, Oct. 5 – Tuesday, Oct. 13
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 18" line break between South Beltline and Veterans
 - 300' section out along Caughman Road from Benson to Dominion
 - Overcreek – 6" broke in half at dam breach
 - 10" break on Forest between Trenholm & Percival
 - Audobon Oaks break caused by construction. Line has been repaired.
 - 3200 Fernandina Road – checked line. No break to repair.
 - 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
 - Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
 - Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- Under Repair
 - 24" on Kay Street – Part received. Repair has begun.

Wastewater

- Metro Plant
 - Simmon Tree Lane is complete clear as of 7:23 AM. Grab sample testing and full staffing levels will resume today. The entrance road to the plant is completely clear as of Oct. 14.
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 59.84 MGD.
 - Influent flow for the previous 24 hr period was 69.54 MGD. IPS wetwell level at 121.2 elevation. Lowest known manholes in the collection system at 122 elevation.
 - Equalization basin is at 129.81 ft. Max is 134-135.
 - Solids dewatering BACK ONLINE. Dewatered sludge storage roll off boxes are now available. Thickened solids are being stored in online digesters and are starting to be

processed through normal treatment train. Current levels: Dig. 1 – 14.7 ft. Dig. 2 – 11.8 ft.

- Calculating 1 day of availability for Magnesium Hydroxide (~400 gal/day); scheduled for delivery this morning (Oct. 14). Received 2 loads of Sodium Hyperchlorite; 2 more loads scheduled for tomorrow (Oct. 15). All chemical vendors have been contacted and preparations underway for delivery of chemicals this week.
- WWM has completed improvements to the rear plant entrance to enable normal staffing operation.
- Maintenance is still working on Grit Train 2. Classifier has been cleaned out and the drain line has been unclogged. Should be fully operational by today
- Collection system
 - Pump Stations
 - Garners ferry Rd – No longer in high level
 - East Bluff Pump Station - Pump #2 was replaced with backup pump #030
 - West Columbia Pump Station - Pump #3 remains out of service at #110 (working with Flygt to replace damaged pump)
 - Shady Lane Pump Station – No longer in high level
 - Mill Creek Pump Station - Grinder remains out of service at #065
 - North Columbia Pump Station – Grinder remains out of service at #295
 - Hill Creek 1 and Hill Creek 2 Pump Stations – Access drives damaged during flood
 - Crane Creek Temporary Bypass System (By Contractor)
 - The temporary bypass system was flooded and is **not** operational (corrected error from Oct. 12 report)
 - The Contractor is in the process of locating 5 additional pumps to replace the pumps lost during the flood
 - Portions of the temporary bypass force main have been inspected by the Contractor and it is reported to be in good condition. The Contractor will conduct a more detailed inspection of the force main once the flood waters recede.
 - The aerial crossing providing support for the force main across crane creek was destroyed and will need to be re-built
 - Once the Contractor locates and obtain replacement pumps and CSX repairs the damaged train trestle along the project corridor, McClam is estimating that it will take and additional two months to before the temporary by-pass system will be operational.
 - Sanitary Sewer Overflows
 - Candi Lane – 1 manholes overflowing. Assessing downstream blockage in 42" gravity sewer through Riverbanks Zoo.
 - South of I-77 & Bluff Road, a manhole riser and cone has been removed by the flood waters causing an SSO and inflow of flood waters. Repairs to begin this morning, Oct. 14.
 - Condition Assessment
 - Lines inspected using CCTV: 2145 feet
 - Lines cleaned: 7341 feet; Fair grounds inspected – no issues
 - Manholes Inspected: 20
 - Easements inspected:
 - North Main - 1300 Dan Field – need repair
 - Earlwood Park - Bedford Drive – needs repair
 - Buchanan - Leesburg Road – trees on pipe need to be removed

- Gills Creek - Timberline Ave – 2 manholes replaced; need repair; underwater
- Repairs or investigation
 - 915 Pinevale - Service line repair
 - 1908 Belmont Dr –Manhole repair
 - 1435 Wyndham – Mainline repair
- Service Calls received and responded to: 21 received; 18 responded to
- WWM Crews are working on the following:
 - Re-check Critical Manholes
 - Continue assessment and documentation, ie. creek crossings, easements
 - Address SSO's and Service calls
 - 7450 Garners Ferry Rd. mainline repair
- Smart Covers:
 - Greenwyche - out of service
 - Santee - running full pipe, setting alarm off
 - National Guards – pipe still surcharged
- Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Need to determine if repair is temporary or if it can be permanent
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Seeking more information at this time.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. McClam has equipment on the ground associated with the Crane Creek Sewer Line Replacement project.
 - 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Site visit confirmed location and secondary rain has added silt to pipe. Currently less visible, this location has become a lower priority.
 - West Columbia 42" Interceptor Blockage/Repair – Unknown stoppage in 42" north of foot bridge to botanical gardens. Attempt to CCTV is currently underway as of 6:00 am this morning. Having difficulty accessing location due to silt build-up in main line.
 - Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Repairs are schedule for 10:00 am this morning by Contractor.
 - 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Reviewing options for repair.
 - Quail Creek Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
 - Reflections Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
 - 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Field visit needed to coordinate access for CCTV crew to locate blockage and schedule point repair.

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
 - Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
 - Thursday, October 15, 2015, from 6-8 PM
Kilbourne Park Baptist Church's Annie Green Building
4205 Kilbourne Rd, Columbia, SC, 29206

Boil Water Advisory & Partial Repeals

10.13.15 Boil Water Advisory REPEAL:

The City of Columbia Water Works advises the water customers of the **Audubon Oaks Subdivision (Audubon Oaks Way, Willow Fork Way, Audubon Court,**

Maple Tree Court, Plum Wood Court), located in **Richland** County, that they no longer need to boil their water prior to drinking or cooking.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

10.11.15 Partial Repeal of Boil Water Advisory

The City of Columbia Water Works advises the water customers of the **Irmo, Dutch Square, and Saint Andrews areas and all City Of Columbia water customers located west of the Broad River,** located in **Richland and Lexington** Counties, that they no longer need to boil their water prior to drinking or cooking.

In addition, customers located in **northeast Columbia in the areas between Percival Road and Hard Scrabble Road, north of Sparkleberry Lane and North Brickyard Road** no longer need to boil

their water prior to drinking or cooking. These locations include areas in and around the **Village at Sandhills, Lake Carolina, the Summit, the Woodlands and Woodcreek Farms Subdivisions**, located in **Richland** County.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

In addition to those areas included above in this repeal, customers in the following areas are also included as part of the repeals issued on October 7th and 10th: Town of Chapin, Ballentine, around Hwy 6 at the Lake Murray Water Treatment Plant, customers on Farming Creek Road and customers along Broad River Road down to Geology Road to include the Lost Creek Drive and Chestnut Hills area. North of Interstate 20, west of Hardscrabble Road, and east of the Broad River, as well as the area along Parkridge Drive between Harbison Boulevard and Lake Murray Boulevard.

All other water customers are still under the advisory and should follow the City's [drinking water advisory guidelines](#). In addition, city officials are asking citizens to continue minimizing water usage until further notice. By conserving water, residents will assist the City in protecting one of the region's main water sources while repairs are being completed.

Neighborhood Lists

[Neighborhoods under Boil Water Advisory as of Oct.13](#)

[Neighborhoods within Repeal of Boil Water Advisory as of Oct.12](#)

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.

The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>

The City is working closely with SCEMD and will have more information as it becomes available.

Federal Disaster Applications

- To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.

- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant's disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance. For example, the applicant may still need to:
 - Return insurance information;
 - Provide information to prove occupancy or ownership of the damaged property;
 - Fill out all necessary paperwork; or
 - Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
- Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.
- FEMA reminds applicants to return the completed SBA loan application even if they choose to decline the loan. Completing the loan application is a necessary step if applicants are to be considered for some other forms of disaster assistance.
- Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant's Handbook sent to everyone who registered with FEMA. More information is available in the Help After a Disaster Booklet, [here](#).
- The home page S.C. Emergency Management Division website contains flood-specific information, including a list of recovery resources that are available to survivors. Visit www.scemd.org for more information.
- Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at **800-621-3362**. Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, **800-462-7585**. Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to "apply online for federal assistance." Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.
Resource: SCEMD

Disaster Assistance Forum: Wednesday, Oct. 14

- Mayor Steve Benjamin will join U.S. Senator Lindsey Graham's office today at 5:30 p.m. for a Disaster Assistance Forum with FEMA, SBA, and South Carolina relief agencies following the historic flooding.

- **WHO:** Mayor Steve Benjamin, Federal Emergency Management Agency (FEMA), SC Department of Insurance, Small Business Administration (SBA), SC Department of Employment and Workforce and SC Emergency Management Division
- **WHAT:** Disaster Assistance Forum designed to provide an update on available assistance and answer questions from individuals affected by the storm.
- **WHEN:** Wednesday, October 14th at 5:30 PM
- **WHERE:** Columbia Convention Center, 1101 Lincoln Street

Attendees should RSVP at rsvp@lgraham.senate.gov if you plan to attend.

DHEC Announces Locations for More Free Tetanus Vaccination Clinics

The S.C. Department of Health and Environmental Control announced additional tetanus vaccination clinics in Florence, Georgetown, Lexington, Richland, and Williamsburg counties.

Weekend clinics in the Midlands resulted in 1,068 people receiving a tetanus vaccine. The vaccine is recommended if it's been 10 years or more since your last tetanus vaccination or you have experienced an injury and your shot is more than five years old.

DHEC is also offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.

DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Water Distribution Sites

Water Distribution Map - [Download map 10/10/15](#)

The water distribution sites and hours of operations are listed below:

<u>LOCATIONS: WATER DISTRIBUTION SITES</u>	<u>HOURS OF OPERATION</u>
Dutch Square (former Belk parking lot), 421 Bush River Road	8 a.m. - 6:30 p.m.
Midlands Shopping Center, 2638 Two Notch Road	8 a.m. - 6:30 p.m.
Former Sam's Club parking lot, 1401 Sunset Drive	8 a.m. - 6:30 p.m.
Wal-Mart, 5424 Forest Drive	8 a.m. - 6:30 p.m.
3700 Landmark Drive	8 a.m. - 6:30 p.m.
Lower Richland High School, 2615 Lower Richland Blvd.	8 a.m. - 6:30 p.m.
Eastover Park, 1301 Main Street, Eastover, SC	8 a.m. - 6:30 p.m.
Gadsden Community Center, 1660 South Goodwin Cir. Gadsden,	8 a.m. - 6:30 p.m.

SC	
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Water Buffalos (Water Filling Stations)

Residents will need to bring their own clean containers to the water filling stations between the hours of 9 a.m. and 7 p.m. until the boil water advisory is lifted.

<u>LOCATIONS: WATER FILLING STATIONS</u>	<u>HOURS OF OPERATION</u>
Fire Station 29, 121 Old Congaree Run	9 a.m. - 7 p.m.
Melrose Tank, 1522 Gladden Street	9 a.m. - 7 p.m.
Columbia Place Mall, 7201 Two Notch Road	9 a.m. - 7 p.m.
Greenview Park, 6700 David Street	9 a.m. - 7 p.m.
Hyatt Park, 950 Jackson Avenue	9 a.m. - 7 p.m.
Heathwood Park, 800 Abelia Road	9 a.m. - 7 p.m.
Southeast Park, 951 Hazelwood Road	9 a.m. - 7 p.m.

- Water at these sites is being supplied by a water purification technology unit on loan from Water Missions International. Licensed drinking water plant operators from the South Carolina Water and Wastewater Response Network have volunteered to run this unit.
- FAQ:
 - Each Station will have elevated 275 gallon water tanks with valves on site.
 - This water is being provided by a reverse osmosis filtration unit. It has been tested and found to be safe to drink. Stations will be set up and distributed at fire stations around the City of Columbia and filled by a water buffalo water truck.
 - Stations will be monitored to provide enough water to each location.

Voluntary Water Conservation

As the City works to stabilize water levels at the Columbia Canal, City officials are asking citizens to minimize water usage until further notice. By conserving water, residents will assist the City in protecting one of the region’s main water sources while repairs are being completed. As a reminder, the system-wide boil water advisory is still in effect for all water customers.

For more information on water conservation, please visit <http://columbiasc.gov/press-releases/100420152013-city-working-to-restore-customer-water-services>.

Service Calls
Columbia Richland Communications 9-1-1

	10/4	10/5	10/6	10/7/	10/8	10/9	10/10	10/11	10/12	10/13	10/14 00:00- 08:00)	Event Total
Agencies												
CPD	631	554	650	605	600	529	408	455	507	512	86	5537
CFD	1014	225	159	156	136	140	109	135	127	150	30	2381
RCSD	709	655	641	578	641	639	454	540	519	569	84	6029
RCEMS	343	240	226	233	221	220	170	205	200	215	84	2357
Daily Total	2,697	1,674	1,676	1,572	1,598	1,528	1,141	1,335	1,353	1,446	284	16304

CRC Call Volume

	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14	Event Total
Phones												
911	4,653	2,075	1,775	1,441	1,532	1,295	1,159	1,116	1,164	1114	178	17502
Admin	1,762	2,308	2,123	1,818	1,612	1,595	1,250	1,213	1,392	1356	319	16748
Daily Total	6,415	4,383	3,898	3,259	3,144	2,890	2,409	2,329	2,556	2470	497	34250

***Daily Totals reflect 24 hour period beginning at midnight daily.**

	10/4	10/5	10/6	10/7 /	10/8	10/9	10/10	10/11	10/12	10/13	10/14 00:00- 08:00)	Event Total
Agencies												
CPD	631	554	650	605	600	529	408	455	507	180	65	5027
CFD	1014	225	159	156	136	140	109	135	127	2927		2226
RCSD	709	655	641	578	641	639	454	540	519	87		5463
RCEMS	343	240	226	233	221	220	170	205	200	39		2097

Daily Total	2,697	1,674	1,676	1,572	1,598	1,528	1,141	1,335	1,353	239		14,813
CRC Call Volume												
	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13		Event Total
Phones												
911	4,653	2,075	1,775	1,441	1,532	1,295	1,159	1,116	1,164	155		16,365
Admin	1,762	2,308	2,123	1,818	1,612	1,595	1,250	1,213	1,392	199		15,272
Daily Total	6,415	4,383	3,898	3,259	3,144	2,890	2,409	2,329	2,556	354		31,637

*Daily Totals reflect 24 hour period beginning at midnight daily.

Customer Care Center												
	10/4	10/5	10/6	10/7	10/8	10/9	10/10	10/11	10/12	10/13	10/14 12a - 8a	Event Total
Daily Total	6,562	4,390	2,633	2,554	3,738	3,372	1,487	3,451	6,225	2,927	65	37,404

Law Enforcement Operation Period: Oct. 12th – Oct. 13th

Regional Personnel

West Region: Personnel 4/ Vehicles 4

North Region: Personnel 7/ Vehicles 7

Metro Region: Personnel 6/Vehicles 5

East Region: Personnel 3/ Vehicles 3

South Region: Personnel 7/Vehicles 6

Rock Hill Police: 5/ Vehicles 5 (Lake Katherine) (*12 Hour Shift)

Fixed Post

SC Army National Guard (SCARNG): Personnel -14/ Vehicles-6

EOC Personnel:

Columbia Police Department (CPD):1

SC EMD: 1

Total Personnel: 48

Total Vehicles: 36

Road Closures

North Region

1. 5000 North Main St – Sinkhole (Barricaded)
2. 6800 North Main St – roadway washed out (manned)
3. Sunset and River – East on Sunset to Main (Barricades)
4. Main & Anthony- Road closed sign- local and emergency traffic only
5. Main & Sunset – Blocked South on Main and West on Sunset (manned)
6. Main & Grace – Closed North on Main to Sunset –Emergency traffic only – (manned)

Metro Region

1. 3200 Pinebelt Rd – Roadway caved in (Barricades)
2. 3400 Foxhall Dr – Roadway caved in (Barricades)

Road Closings Around Palmetto Baptist

3. Taylor Street (eastbound) closed at Sumter Street to Marion St
4. 1300 Marion Street, North and South bound lanes (between Taylor and Hampton St) closed.
5. The parking spaces on the East side of 1300 Sumter Street and lane # 2 northbound (closest to the curb) have been blocked to provide room for the trailers that are providing service for Baptist Hospital. This may change due to the needs of the Hospital and the equipment being used.

South Region

1. Shop Road at S. Beltline – Structural Damage (DOT Barricade/Cones)
2. I-77 at the Bluff Rd exit ramp – Structural Damage (DOT Barricade/Cones)
3. 4600 Devine Street Bridge – Structural Damage (Active 10-54 by personnel (2)
4. Jim Hamilton Blvd (West bound) – Structural Damage (DOT Barricades/Cones)
5. Crowson Rd (small bridge leading to Marshalls) – Structural Damage (DOT Barricades/Cones)
6. E. Buchanan and Beltline – Structural Damage (DOT Barricades/Cones)
7. 4400Ft Jackson Blvd – Sink hole (Barricades)
8. 1300 Glen Haven Dr. – Washed out (Barricades)

9. 4100 Timberlane Dr. – Washed out (Barricades)
10. 3500 Trenholm Rd- Sink Hole in middle of roadway -Blocked both directions between Wyndham & Tanglewood –DOT placed metal barricades and cones up to block Roadway. City Of Columbia Traffic Engineering to place Detour Signs
11. Timberlane Dr at Greenhaven Dr – Flooding – Blocked off East on Timberlane and Greenhaven

East Region

1. 300 Spears Creek Church Rd – Washed out (Barricaded)
2. 3600 Percival to Smallwood – Washed out (Barricaded)

West Region

1. Lost Creek Dr – Lake Front Dr to Chestnut Hill Plantation Club (Barricaded)
2. Piney Grove (Newnham Dr to Bonnie Forest Blvd). Bridge partially washed out (Barricaded)

EOC: Dispatched Public Works for barricades to support the National Guard
Web EOC 213 Resource Request Processed: 0

Notable Calls for service related to weather: None

Notable Calls for service unrelated to weather: National Guard requested additional barricades to be placed at Taylor St and Marion St. were they are on post for Palmetto Health Baptist. EOC dispatched Public Works Street Division to deploy the barricades.

Missing persons (Shift): None
(Total Outstanding): None
Weather related fatalities: (Shift) None
Weather related fatalities to date City/City: 9

Fire

Fire Briefing: as of Oct. 14

1. Responses:
 - a. Lake Katherine response for two vehicles in the water. Lawn tractor and a pick-up truck. All accounted for.
 - b. Working Fire Dispatch 500 S. Maple.
 - c. 3 MVA's with entrapments
2. Mapping
 - a. Roads are continuously being updated and confirmed and evaluated. (Marcus Houthcings/ POC)
 - b. We are evaluating response packages in specific areas to best access flood affected roads and neighborhoods (see below)
 - c. Hazmat 1 researched your request for information on our potential response to Haz-Mat sites in Battalion 4. All units responding from downtown will have to rely heavily on Shop and Pineview Roads until the issue at Devine and Crosshill Roads is repaired. These roads are being used extensively by commuters as well.
 - i. Response to Westinghouse, Mars, US Foods, International Paper and Eastover Oil for Hazmat has been determined/ pre-planned
3. Canal Support:
 - a. Rescue 1 reporting to Low Head Dam at 0700 so Army Corp can reset barge cameras for in support of the Canal Operation

- b. SCTF reporting SRT stand-by at 0800 meeting with CFD for Ops Plan / Capt. Harmon Point of Contact @HQ
- 4. County EOC has reduced operational hours to 0800-1800 hours per Henry Lewis/ RC EOC POC
- 5. MERV-1
 - a. 100 Whispering Pines CFD is still supporting the First Aid Station with the MERV and will be operational tomorrow at same location.
- 6. Current issues in Battalion 4 / Lower Richland response area
 - a. Fire Ground Response reduction due to storm
 - i. E31 Cut Off from B4/ Old Leesburg and 601
 - ii. E3 Cut Off and Displaced/ Bluff Rd
 - iii. E8 delayed / Multiple Road Closures / Air Base (All B4 units must access via Garners Ferry)
 - iv. L8 too Heavy for Current Road Conditions passed Lower Richland Blvd
 - v. 3-Units Lost and 12 Personnel due to current conditions
 - b. Road Closures
 - i. Over 40 Roads are Closed for Some Time
 - ii. Response times have doubled in most areas and tripled in some of Station 28 and Station 19
 - iii. 30 Minute Response Time from Station 19 to Station 28
 - iv. According to a DOT Official on Congaree road repair estimated timeline
 - 1. 50% of roads in 6 months
 - 2. 90% in 1 year
 - 3. 100% in 2 years
 - 4. This is a prolonged event to restore the road systems. Alternatives must be explored at the county and state levels. (Consider military bridge assets)
- 7. Military and FF MOB beginning full DEMOB on Friday and complete on Sunday. CFD needs to begin initializing short term, intermediate and long-term plans.
 - a. 17 and 18 at least 2 weeks to go
 - b. Lower Richland: Several month's at the earliest.

Solid waste

- In effort keep up with our recycling schedule, servicing will be on the 1st and 3rd Monday for Tuesday customers on Wednesday, October 14 that were missed due to last week's flood.
- Servicing the 2nd and 4th Thursday and Friday customers on Saturday, October 17, 2015.
- Solid Waste Division is focusing on storm debris cleanup and will suspend regular yard waste pickup services until Monday, October 19, 2015.
- Garbage and recycling services may be limited in storm areas due to street access and roadway safety.
 - To stay informed on Solid Waste services, residents can download the free "Columbia, SC Solid Waste" app on iPhone and Android or sign up online at the City's website for notifications via email, phone call or text message, among other options.
 - For more information or to report lost roll carts, please visit www.columbiasc.net/solid-waste or call the Solid Waste Division at 803-545-3800.
- Shown below is a spreadsheet that shows City bridges and culverts that are in the process or being inspected for safety reasons. SCDOT is doing inspections for the City and should complete them within the next couple of days to include cost estimates for repairs of the ones that are not safe for passage.
- Storm debris collections started on Wednesday, Oct. 7. and garbage collections normal service began Thursday, Oct. 8.

- Solid Waste is moving debris within the City. Below is the tonnages for each day and a total of what has been collected so far

Solid Waste Debris Tonnage	
Oct. 8	331 tons
Oct. 9	340 tons
Oct. 10	431 tons
Oct. 12	441 tons
Total	1600 tons

Road Names	Between		Comments	Road Ownership	Jurisdiction	Action Requested	Resolution
Lost Creek Drive			At entrance off Broad River Road	City	City	Request PDA Team for Costing	Remains Closed 6 precast panel have collapsed SCDOT to provide cost estimate for repair
Earlewood Park Bridge			At North Main	City	City	Request PDA Team for Costing	
Jim Hamilton Blvd	Entrance to Jim Hamilton Airport	South Ott		City	City	Request PDA Team for Costing	
King Charles Drive				City	City	Inspect for Safe Passage	Safe for Passage
Lost Creek Drive	Grove Hall Lane	Gauley Drive		City	City	Inspect for Safe Passage	
Quail Lane				City	City	Inspect for Safe Passage	
Woodlake			At Kathwood	City	City	Inspect for Safe Passage	Safe for Passage, Needs Debris Removal
Woodlake			Off Trenholm	City	City	Inspect for Safe Passage	Safe for Passage
Riverbanks Zoo	Zoo	Botanical Gardens				Inspect for Safe Passage	

Flood Repair Permitting Assistance Updates | Temporary Walk-up Flood Repair Stations at Washington Square

The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).

The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.

Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Repair Permitting Open House

The City of Columbia will hold two open houses to answer questions about the City's flood repair and rebuilding permitting process.

On Tuesday, October 13, 2015, from 6-8 PM, the open house will be held at the C.R. Neal Dream Center located at 2430 Atlas Road, Columbia, SC, 29209. On Thursday, October 15, 2015, from 6-8 PM, the open house will be held at Kilbourne Park Baptist Church located at 4205 Kilbourne Rd, Columbia, SC, 29206.

The Flood Repair Permitting Open Houses are designed to answer homeowner and contractor questions about the permitting application process in a one-on-one setting. Spanish interpreters will be available at both open houses.

Flood Repair Permitting Open House attendees can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, and have any questions regarding the application process answered. No permits will be issued at these meetings. Permits can only be issued from the City at Washington Square (1136 Washington Street).

City of Columbia residents can find out more about the City's floodplain permitting policy at <http://www.columbiasc.net/headlines/100420151500-flood>.

To determine if you are eligible to receive disaster assistance, please go to <http://www.disasterassistance.gov/>.

Flood Damaged Property - Building Permit Information

There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.

Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information

about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

Floodplain Management Contacts:

Flood Plain Management questions:

Ali Khan (803) 545-3400

lakhan@columbiasc.net

Building Code questions:

Jerry Thompson (803) 545-3442

jlthompson@columbiasc.net

Building Permit questions:

Development Center (803) 545-3420

Planning questions:

Krista Hampton

kmhampton@columbiasc.net

Do I have the green light to get a building permit for my flood-damaged property?



Green light: If your property is not located within the 100-year floodplain or is constructed at least two (2) feet above the base flood elevation, you will be issued a building permit for repairs that meet other applicable code standards (such as building and zoning).



Yellow light: If your property is located within the 100-year floodplain, before a building permit can be issued, it must first be determined through the completion of a Flood Hazard Permit Application:

- The elevation of the first floor of the property through submittal of an *elevation certificate*. (The City's Floodplain Manager may have one on file).
- If the structure sustained *substantial damage* or will require *substantial improvements* to make it habitable.



Red light: If your property is located within the floodplain and sustained *substantial damage* or will require *substantial improvements* to make it habitable, the structure will have to come into compliance with the City of Columbia's Flood Damage Prevention Ordinance. This means that the first floor of the building must be constructed at a height of two (2) feet above the base flood elevation. Please discuss how this affects your property specifically a City flood management representative.

What is *substantial damage*?

Substantial damage means damage of any origin sustained by a structure where the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred. (Note: the cost of repairs must include all costs necessary to fully repair the structure to its pre-damaged condition.)

What are *substantial improvements*?

Substantial Improvement means improvements of any origin where the cost of improving the structure would equal or exceed 50 percent of the market value of the structure before the improvements are made. (Note: the cost of improvements must include all costs necessary to fully improve the structure.)

What is an *elevation certificate*?

The *elevation certificate* is one way for a community to comply with the National Flood Insurance Program requirement that the community obtain the elevation of the lowest floor (including basement) of all new and substantially improved structures and maintain a record of such information. Elevation Certificates must be prepared and certified by a Licensed Land Surveyor, Registered Professional Engineer or Registered Architect who is authorized by state or local law to certify elevation information.

Donations and Volunteers

- Please advise people to contact the United Way, Red Cross, Harvest Hope, or one of the shelters.
- United way has set up on their website, communications about getting and receiving help: <http://uway.org/news/give-help-get-help-flood-disaster-relief>
 - This site allows the public to register to help and is a resource for those needing help who are encouraged to call 211 for non-emergency needs.
- Donations of food are being referred to Harvest Hope Food Bank located at 2220 Shop Rd in Columbia.

- No clothing is requested at this time during emergency response. United Way will continue to address needs.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- Donated Goods and Services of South Carolina will be coordinating donations and volunteers. Please call 1-888-585-9643.

Pet Safety during Flood Recovery

- The City's Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Additional Notes

Shelters: Richland County designated shelters are listed below.

- Temple Baptist Church
- St. Andrews Presbyterian Church

*If an alternate location is needed, Shandon Baptist Church is available.

Chief National Guard Bureau Tours Columbia Canal Site

U.S. Army Gen. Frank Grass, Chief of National Guard Bureau and member of Joint Chiefs of Staff, toured the Columbia Canal site this morning with Maj. Gen. Robert E. Livingston, Jr., the adjutant general for South Carolina beginning at 7:45 a.m. Grass is visiting in order to thank the guard members for the amazing work and support for the community after floods impacted the state.

Friday, October 16, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures

Status	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
Closed	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	
OPEN	North Main Street	Sunset Drive	Anthony Street	
Closed	Sunset Drive	N. Main	Abingdon Road	No Thru Traffic - Local Only
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
Closed	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
Restricted	Sumter Street	Taylor Street	Hampton Street	North Bound
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	
Closed	Fort Jackson Blvd	Wildcat Road	Devine Street	
Closed	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
Closed	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation Club	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	
Closed	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Fairfield Road	Lorick Avenue	Lorick Avenue	
Closed	Spears Creek Church Road	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

Closed	Monticello Road	Peeples Street	I-20	
Closed	S. Beltline Blvd	Shop Road	Plowden Road	
Closed	Fontaine Road	Two Notch Road	277	
Closed	Leesburg Road	Trotter Road	Lower Richland Blvd	
Closed	Wilson Blvd	Kook Store Road	Hardscrabble Road	
Closed	Fairfield Road	Sharpe Road	Nelson Road	

Boil Water Advisory for Kay Street (from Saint Andrews Road to Sandy Springs Court)

Please note, this BWA is in effect while repairs are completed on a 24” line from the flood damage.

The City of Columbia Water Works advises the water customers of **Kay Street (from St. Andrews Rd. to Sandy Springs Ct.)**, located in **Richland County**, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia is performing a **twenty-four inch line repair from flood damage**. This could possibly result in bacterial contamination of the water on **Kay St.** Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620 or the South Carolina Hospitality Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

All other City of Columbia Customers are No Longer Under Boil Water Advisory

Should you have any questions concerning boil water advisories or repeals, please call the City of Columbia Customer Care Center at 803-545-3300.

Floodplain Repair Permit Open Houses: Monday, Oct. 19

- The City of Columbia and Richland County will hold two more Floodplain Permit Repair Open Houses on Monday, October 19, to answer questions about permitting for flood repair and rebuilding.
- The currently scheduled Floodplain Permit Repair Open Houses will be held:
 - **Monday, October 19, from 5 – 6:30 p.m.**
Woodland Park
6500 Olde Knight Parkway
 - **Monday, October 19, from 7 – 8:30 p.m.**
M.L. Smith Community Center
5213 Farrow Road (across the street from the Greater St. Luke Baptist Church)
- The Flood Repair Permitting Open Houses are designed to answer homeowner and contractor questions about the permitting application process in a one-on-one setting. Spanish interpreters will be available at both open houses.

- Flood Repair Permitting Open House attendees can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, and have any questions regarding the application process answered. No permits will be issued at these meetings. City permits can only be issued at Washington Square (1136 Washington Street).

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

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Water Distribution Sites (UPDATED)

Due to improving water service conditions, listed below are the Water Distribution Sites being decommissioned, and the dates/times of the decommissioning:

Friday, October 16 @ 6:30 p.m. operations will cease at the following locations

- Landmark (3700 Landmark Drive)
- Columbia Mall (7201 Two Notch Road)

Saturday, October 17 @ 6:30 p.m. operations will cease at the following locations

- Crane Creek Rec Center (7405 B Fairfield Road)
- Forest Heights Elementary School

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing work on rock dam structure.
- Walked embankment on Oct. 14. Ten sites identified that need further evaluation or reinforcement. Contractor is mobilizing today, Oct. 15, to begin addressing. Anticipate 2 weeks to complete assessment.
- National Guard assistance at reduced levels. Anticipate phasing out by the end of the day.
- Bypass pumping continues and will continue until Canal levels can be raised.

Water Plants

- Boil water advisory issued for Kay Street due to repair of 24" main.
- Lake Murray WTP – Normal operation, finished water pumpage yesterday (Oct. 15 – midnight to midnight) was approximately 34 million gallons.
- Canal WTP
 - Temporary Broad River source being utilized solely due to low levels in the Canal. The two 24-inch temporary lines and pump sets are delivering ample supply. The river level is dropping, but is still at a level to sustain pumping.
 - Raw water pumped yesterday, Oct. 15, was approximately 27 million gallons.
 - Raw water reservoir remains at full pool.
 - Finished water pumped yesterday, Oct. 15, was approximately 21 million gallons.

Water Distribution

- All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
- Completed Monday, Oct. 5 – Tuesday, Oct. 13
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision

- 16" at Kings Grant
- Monticello and Blue Ridge Terrace
- Hunt Club Road
- 510 Lakeside Avenue
- Beaver Dam Road
- 18" line break between South Beltline and Veterans
- 300' section out along Caughman Road from Benson to Dominion
- Overcreek – 6" broke in half at dam breach
- 10" break on Forest between Trenholm & Percival
- Audobon Oaks break caused by construction. Line has been repaired.
- 3200 Fernandina Road – checked line. No break to repair.
- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- Repaired Thursday, Oct. 15
 - 24" on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. With repairs complete, anticipate lifting the repeal once laboratory results come in.

Wastewater

Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
 - Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.
 - City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.
- **Metro Plant**
 - Simmon Tree Lane is complete cleared on Oct. 13. Grab sample testing, full staffing levels, and chemical deliveries resumed on Oct. 14.
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 55.42 million gallons.
 - Influent flow for the previous 24 hr. period was 64.5 million gallons. IPS wetwell level at 113 ft. elevation.
 - Equalization basin is at 128.7 ft. Max is 134-135.
 - Solids dewatering BACK ONLINE. Dewatered sludge storage roll boxes pickup and drop of has returned to normal operation.
 - All pretreatment equipment is ready or in service.

- **Collection system**
 - Pump Stations
 - Lift Station Supervisor continued site visitations to damaged pump stations with representatives from insurance company.
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station – Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Mill Creek Pump Station – Grinder remains out of service at #065
 - North Columbia Pump Station – Grinder remains out of service at #295
 - Crane Creek Temporary Bypass System
 - The temporary bypass system was flooded and is not operational
 - The Contractor is in the process of locating 5 additional pumps to replace the pumps lost during the flood
 - Portions of the temporary bypass force main have been inspected by the Contractor and it is reported to be in good condition. The Contractor will conduct a more detailed inspection of the force main once the flood waters recede.
 - The aerial crossing providing support for the force main across crane creek was destroyed and will need to be re-built
 - Once the Contractor locates and obtain replacement pumps and CSX repairs the damaged train trestle along the project corridor, McClam is estimating that it will take an additional two months to before the temporary by-pass system will be operational.
 - Sanitary Sewer Overflows
 - Candi Lane – began again and fluctuates due to the volume of wastewater pumped from the Saluda River Pump Station. A pre-bid was held Thursday afternoon and the bids will be opened on Monday. The solution is for the contractor to set up a by-pass and make a point repair on the 42” Interceptor that runs through the botanical Gardens at Riverbanks Zoo.
 - South of I-77 & Bluff Road, the manhole riser will be re-stacked and joints sealed on Monday of next week. The SSO has stopped at this location.
 - Gregg Parkway/Forest Drive – active overflow crews are on site to knock out stoppage. Cause is undetermined at this time. Bypass being set up until determination of cause can be determined.
 - Condition Assessment
 - Lines inspected using CCTV: 2,262 feet
 - Lines cleaned: 5,795 feet
 - Manholes Inspected: 50
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Crane creek – crew are inspecting and replacing covers. 10 replaced to date.
 - Crews at N. Main Street area- all crossing in good shape
 - Rodborough has heavy debris in multiple areas of the creek needing to be removed to access pipes
 - Diane and Greenwich has heavy debris in needing to be removed off City’s pipes

- Smith Branch Outfall: Bull Street to Sunset: lines good need 3 manhole cover replaced
 - **Repairs or investigation**
 - 824 Setters lane – service line repair
 - Harden St/ Wheat – manhole casting and lid
 - 108 Commandale – Cleanout being installed
 - 1204 Whitney – Service line repair
 - Cleanup of Martin Luther King Park in progress from overflow/high water event.
 - Jade Tree – cleanup from spill
 - 2229 Green Tree – sealed manhole
 - Service Calls received and responded to: 15 received; 15 responded to
 - Crews are working on the following today:
 - Re-Check Critical Manholes
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
 - Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Need to determine if repair is temporary or if it can be permanent
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Seeking more information at this time.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Site visit confirmed location and secondary rain has added silt to pipe. Currently less visible, this location has become a lower priority.
 - West Columbia 42" Interceptor Blockage/Repair –Bids will be opened at 12 on Monday.
 - Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Temporary repairs have been made. The Contractor was unable to seal the manhole riser due to the current water level in the influent pump station at the Metro WWTP. When water is drawn down in the IPS, the Contractor can return to the site, unstack riser, seal joints, and restack riser section.
 - 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Reviewing options for repair.
 - Quail Creek Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
 - Reflections Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent

- 1400 Shop Road Blockage – 12” Lined gravity sewer over 15’ deep has a blockage – Emergency package and bid dates will be set today.

FEMA Disaster Recovery Centers

- A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.
- The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website:
<http://asd.fema.gov/inter/locator/home.htm>.
- The City is working closely with SCEMD and will have more information as it becomes available.

Federal Disaster Applications

- To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.
- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant’s disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance. For example, the applicant may still need to:
 - Return insurance information;
 - Provide information to prove occupancy or ownership of the damaged property;
 - Fill out all necessary paperwork; or
 - Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
- Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.
- FEMA reminds applicants to return the completed SBA loan application even if they choose to decline the loan. Completing the loan application is a necessary step if applicants are to be considered for some other forms of disaster assistance.
- Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant’s Handbook sent to everyone who registered with FEMA. More information is available in the “Help After a Disaster Booklet.” [Click Here](#)

- The home page S.C. Emergency Management Division website contains flood-specific information, including a list of recovery resources that are available to survivors. Visit www.scmd.org for more information.
- Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at **800-621-3362**. Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, **800-462-7585**. Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to “apply online for federal assistance.” Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

SCEMD Recovery Update

[Download the SCEMD newsletter for more information about requests for public assistance.](#)

After the Flood Basics provided by FloodSmart.gov

[Download tips on flood basics, hazards, insurance claims and clean up.](#)

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

The S.C. Department of Health and Environmental Control announced additional tetanus vaccination clinics in Florence, Georgetown, Lexington, Richland, and Williamsburg counties.

Weekend clinics in the Midlands resulted in 1,068 people receiving a tetanus vaccine. The vaccine is recommended if it's been 10 years or more since your last tetanus vaccination or you have experienced an injury and your shot is more than five years old.

DHEC is also offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.

DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Service Calls

Customer Care Center

Sat 10/3	Sun 10/4	Mon 10/5	Tue 10/6	Wed 10/7	Thu 10/8	Fri 10/9	Sat 10/10	Sun 10/11	Mon 10/12	Tue 10/13	Wed 10/14	Thu 10/15	Fri 10/16
12am-8am	12am-8am	12am-8am	12am-8am	12am-8am	12am-8am	12am-8am							
33	551	483	287	177	272	177	52	222	451	180	65	77	121

8:30a-11:30p	8:30am-11:30p	8:30a-11:30p											
232 calls	6011 calls	3907 calls	3892 calls	3653 calls	3874 calls	3460 calls	1487 calls	3451 calls	5774 calls	2927 calls	4657 calls	2258 calls	

Solid waste

- In effort keep up with our recycling schedule, servicing will be on the 2nd and 4th Thursday and Friday customers on Saturday, October 17, 2015 that were missed due to last week's flood.
- Solid Waste Division is focusing on storm debris cleanup and will suspend regular yard waste pickup services until Monday, October 19, 2015.
- To stay informed on Solid Waste services, residents can download the free "Columbia, SC Solid Waste" app on iPhone and Android or sign up online at the City's website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit www.columbiasc.net/solid-waste or call the Solid Waste Division at 803-545-3800.

Donations and Volunteers

- **In response to recent flooding, Tyson Foods has sent teams to prepare meals for those affected by and responding to the historic storm.** Our Meals That Matter® disaster relief trailer is stocked with 30,000 pounds of Tyson product and 40,000 pounds of ice. The public is invited to come out and enjoy a free meal on Tyson Foods.
- The disaster relief trailer will be set-up in the Sam's Club parking lot at 5426 Forest Drive in Columbia and begin serving at **10:00 a.m. Friday, Oct. 16**. In addition to the free hot sandwiches from Tyson, Sam's Club will be providing chips and drinks.
- Cook teams from nearby plant locations will assist the operation. They are also cooperating with our disaster relief partners including Team Rubicon, Feeding America and others to provide as much support to our operation as possible.
- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time during emergency response.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
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Additional Notes

Shelters: Richland County designated shelters are listed below.

Night POP	Noon POP	Shelter Name	Address	Status
30	12	St Andrews Presbyterian Church	6952 St Andrews Rd	Open
64	54	Temple Baptist Church	806 Universal Drive	Open
94	66			

Monday, October 19, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures

Status	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	
OPEN	North Main Street	Sunset Drive	Anthony Street	
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	
Closed	Fort Jackson Blvd	Wildcat Road	Devine Street	
Closed	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
Closed	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	Passable
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peeples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
Restricted	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Boil Water Advisory for Mauney Drive: 10.17.2015

The City of Columbia Water Works advises the water customers of **Mauney Drive between Bluff Road and Shop Road** located in Richland County, to vigorously boil their water for at least one (1) full minute

prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a six inch 6" line break. This could possibly result in bacterial contamination of the water on **Mauney Drive between Bluff Road and Shop Road**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620 or the South Carolina Hospitality Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

Boil Water Advisory for Walcott and Frasier Streets: 10.16.2015

The City of Columbia Water Works advises the water customers of Walcott Street and Frasier Street between Shop Road and Bluff Road, located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced an six-inch water main break. This could possibly result in bacterial contamination of the water on Walcott Street and Frasier Street between Shop Road and Bluff Road. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

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The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division will begin advertising the **October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities** on the City's website beginning the week of Monday, October 19, 2015. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- The City of Columbia commits to using positive efforts in the procuring, contracting and hiring of disadvantaged and historically underutilized businesses and firms (small, minority-owned and women-owned businesses) in accordance with generally acceptable procurement standards and federal, state and local requirements. All businesses interested in doing business with the City of Columbia are strongly encouraged to respond to our procurement opportunities.
- Our competitive procurements for our Disaster Recovery needs will fall in two primary categories:
 - **Small Procurements (Simplified):** Purchases and contracts for services established for goods and services with a potential contract value less than or equal to \$25,000.00. These small procurements will be posted on our website under "Procurement Opportunities" and will be solicited for a week or less.
 - **Large Procurements (Exceeds the Simplified Acquisition Threshold):** Purchases and contract for services established with a potential contract value in excess of \$25,000.00. Most of these competitive procurement opportunities will be available to be viewed on our website through our electronic bidding system, Bid Online, and bidder registration is required. You must also be properly registered prior to the submittal deadline to respond to procurements over the Simplified Acquisition Threshold*.
- All interested prospective bidders and potential Respondents for both categories above are strongly encouraged to register through Bid Online. Our database is also used as a resource tool to provide us with a listing of potential suppliers of goods and services to assist us with our citywide operations.
- In addition to our City's website and Bid Online, the large dollar valued procurements will also be advertised in the South Carolina Business Opportunities (SCBO) newsletter. If you have any questions, please contact the City of Columbia's Purchasing Division at (803)545-3470.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).
- *The Simplified Acquisition Threshold as referenced in Federal Acquisition Regulation (FAR) 13.003 (b)(i) is \$150,000.00. Since the City of Columbia's procurement thresholds are more stringent, \$25,000.01 is the Simplified Acquisition Threshold for all flood related procurements.

Floodplain Repair Permit Open Houses: Monday, Oct. 19

- The City of Columbia and Richland County will hold two more Floodplain Permit Repair Open Houses on Monday, October 19, to answer questions about permitting for flood repair and rebuilding.
- The Floodplain Permit Repair Open Houses will be held:
 - **Monday, October 19, from 5 – 6:30 p.m.**
Woodland Park
6500 Olde Knight Parkway
 - **Monday, October 19, from 7 – 8:30 p.m.**
M.L. Smith Community Center
5213 Farrow Road (across the street from the Greater St. Luke Baptist Church)
- The Flood Repair Permitting Open Houses are designed to answer homeowner and contractor questions about the permitting application process in a one-on-one setting. Spanish interpreters will be available at both open houses.
- Flood Repair Permitting Open House attendees can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, and have any questions regarding the application process answered. No permits will be issued at these meetings. City permits can only be issued at Washington Square (1136 Washington Street).

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling

(803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Parks and Recreation: Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

Utilities and Engineering Update

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing work on rock dam structure.
- Contractor continued to shape the rock dam spillway over the weekend (Oct. 17-18). Anticipate completion of spillway today (Oct. 19).
- Contractor will mobilize barges and other equipment today (Oct. 19) and tomorrow (Oct. 20) to address upstream bank stabilization. Ten sites identified.
- National Guard assistance has been phased out. Anticipate hydroseeding the Kline property sometime this week to repair turf damaged during National Guard staging.
- Bypass pumping continues and will continue until Canal levels can be raised.

Water Plants

- Flood-related boil water advisories:
 - Oct. 15 - Kay Street due to repair of 24" main – Repealed Oct. 16
 - Two boil water advisories were issued between Oct. 16-17 that were unrelated to flooding (Walcott Street and Mauney Drive)
- Lake Murray WTP – Normal operation.
 - Pumpage for Oct. 16 (midnight to midnight) was approximately 31 million gallons.
 - Pumpage for Oct. 17 (midnight to midnight) was approximately 33 million gallons.
 - Pumpage for Oct. 18 (midnight to midnight) was approximately 32 million gallons.
- Canal WTP
 - Temporary Broad River pumping continues.
 - Pumpage
 - Oct. 16 (midnight to midnight) – 29 million gallons raw water; 25 million gallons finished
 - Oct. 17 (midnight to midnight) – 34 million gallons raw water; 28 million gallons finished
 - Oct. 18 (midnight to midnight) – 31 million gallons raw water; 23 million gallons finished

Water Distribution

- All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
- Completed Monday, Oct. 5 – Thursday, Oct. 15
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 18" line break between South Beltline and Veterans
 - 300' section out along Caughman Road from Benson to Dominion
 - Overcreek – 6" broke in half at dam breach
 - 10" break on Forest between Trenholm & Percival
 - Audobon Oaks break caused by construction. Line has been repaired.
 - 3200 Fernandina Road – checked line. No break to repair.

- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24” on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.

Wastewater

- Metro Plant
 - Simmon Tree Lane is complete cleared on Oct. 13. Grab sample testing, full staffing levels, and chemical deliveries resumed on Oct. 14.
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 60.0 million gallons.
 - Influent flow for the previous 24 hr. period was 71.32 million gallons. IPS wetwell level at 109.3 ft. elevation. . The IPS Wet Well is getting lower every day and is fluctuating between normal levels of 105.0 and 112.0 following the daily flow patterns and trying to draw down the EQ Basin.
 - Equalization basin is at 124.5 ft. Max is 134-135.
 - Solids dewatering is operational but did not run on Saturday and Sunday due to low digester levels. Should be able to bring dewatering back online on Monday. This weekend staff tried to draw down the solids inventory in the Primaries and DAFTS. Drained Train 1 Primary Clarifier 2 today. Increased skim times on DAFTs Dewatered sludge storage roll boxes pickup and drop of has returned to normal operation.
 - Staff will drain Train 1 Primary Clarifier 11 today and Hose it out.
 - All pretreatment equipment is ready or in service.
- Collection system
 - Pump Stations (No changes as of end of day Oct. 16)
 - Lift Station Supervisor continued site visitations to damaged pump stations with representatives from insurance company.
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station – Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Mill Creek Pump Station – Grinder remains out of service at #065
 - North Columbia Pump Station – Grinder remains out of service at #295
 - Crane Creek Temporary Bypass System
 - The temporary bypass system was flooded and is not operational
 - The Contractor is in the process of locating 5 additional pumps to replace the pumps lost during the flood. The original replacement pumps where requested to be used at the Canal and are currently at the Canal.
 - The Temporary bypass force main has been inspected and no damage reported. Contractor is currently clearing trees from project corridor and assessing for further possible damage.

- The aerial crossing providing support for the force main across Crane Creek was destroyed and will need to be re-built. Contractor is currently removing trees to access force main alignment.
 - Once the Contractor locates and obtains replacement pumps and CSX repairs the damaged train trestle along the project corridor, McClam is estimating that it will take an additional two months to before the temporary by-pass system will be operational.
- Sanitary Sewer Overflows
 - Candi Lane – Caused by blockage in 42" interceptor. Emergency bids will be opened today (Oct. 19) at 12:00 PM.
- Condition Assessment
 - Lines inspected using CCTV: 2,800 feet
 - Lines cleaned: 3,450 feet
 - Manholes Inspected: 58
 - Easements inspected – Various areas were inspected. The following issues were found:
 - 5801 Brick Road – on by pass
 - Saluda River/Irmo – all good
 - Crane creek outfall – multiple manhole covers off; Repair needed on ring and cover on MH26685; Work order being created
- Repairs made
 - Cleanup of Martin Luther King Park is in progress from overflow/high water event.
 - 108 Cannondale CT – Service line repair
 - 520 Amherst – service line repair
 - 903 Edisto – service line repair
 - 921 Beltline –Mainline stoppage, crews knocked out, CCTV in progress
 - 135 Wood Ridge Ln – Gills creek- Erosion of a French curtain drain surrounding the property caused excess run off from the Wet weather event, eroding the base of the manhole. Work order is being issued for restoration around the manhole.
- Repairs or investigations for today, Oct. 19
 - 724 Gabriel St – Install cleanout
 - 1001 Veterans – Install cleanout
 - 1332 Shady Lane – Cleanup yard from sewage overflow during storm
- Service Calls received and responded to: 22 received; 9 responded to
- Crews are working on the following today:
 - Re-Check Critical Manholes
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
- Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Need to determine if repair is temporary or if it can be permanent.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.

- 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Meeting with WWM staff today to determine a temporary solution to connect service line to main line until the overall damage assessment can be made. This is possibly a multi-divisional solutions due to the damage to the existing sewer, creek banks, and utility easements.
- Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
- 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Site visit confirmed location and secondary rain has added silt to pipe. Currently less visible, this location has become a lower priority.
- West Columbia 42" Interceptor Blockage/Repair –Bids will be opened at 12:00 PM on Monday.
- Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Temporary repairs have been made. The Contractor was unable to seal the manhole riser due to the current water level in the influent pump station at the Metro WWTP. The Contractor is currently scheduled to make the final repairs to the SSMH today or tomorrow.
- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Reviewing options for repair.
- Quail Creek Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- Reflections Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Emergency package is complete and distributed to bidders. Bids scheduled to open on Tuesday at 9:00 a.m.

Floodplain

- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
 - Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:

- Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
- Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.
- City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.

FEMA Disaster Recovery Centers

- A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.
- The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website:
<http://asd.fema.gov/inter/locator/home.htm>.
- The City is working closely with SCEMD and will have more information as it becomes available.

Federal Disaster Applications

- To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.
- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant's disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance.

For example, the applicant may still need to:

- Return insurance information;
- Provide information to prove occupancy or ownership of the damaged property;
- Fill out all necessary paperwork; or
- Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
- Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.

- FEMA reminds applicants to return the completed SBA loan application even if they choose to decline the loan. Completing the loan application is a necessary step if applicants are to be considered for some other forms of disaster assistance.
- Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant’s Handbook sent to everyone who registered with FEMA. More information is available in the “Help After a Disaster Booklet.” [Click Here](#)
- The home page S.C. Emergency Management Division website contains flood-specific information, including a list of recovery resources that are available to survivors. Visit www.scecmd.org for more information.
- Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at **800-621-3362**. Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, **800-462-7585**. Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to “apply online for federal assistance.” Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

SCEMD Recovery Update

[Download](#) the SCEMD newsletter for more information about requests for public assistance.

After the Flood Basics provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste

- In effort keep up with our recycling schedule, servicing will be on the 2nd and 4th Thursday and Friday for customers on Saturday, October 17, 2015 that were missed due to last week’s flood.
- Yard waste pickup services resume Monday, October 19, 2015.
- To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time during emergency response.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** will be coordinating donations and volunteers. Please call 1-888-585-9643.

Pet Safety during Flood Recovery

- The City’s Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Additional Notes

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Temple Baptist Church	806 Universal Drive	Open

Tuesday, October 20, 2015

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The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620 or the South Carolina Hospitality Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

Boil Water Advisory for Walcott and Frasier Streets: 10.16.2015

The City of Columbia Water Works advises the water customers of **Walcott Street and Frasier Street between Shop Road and Bluff Road**, located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a six-inch water main break. This could possibly result in bacterial contamination of the water on **Walcott Street and Frasier Street between Shop Road and Bluff Road**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

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October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division will begin advertising the **October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities** on the City's website beginning the week of Monday, October 19, 2015. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- The City of Columbia commits to using positive efforts in the procuring, contracting and hiring of disadvantaged and historically underutilized businesses and firms (small, minority-owned and women-owned businesses) in accordance with generally acceptable procurement standards and federal, state and local requirements. All businesses interested in doing business with the City of Columbia are strongly encouraged to respond to our procurement opportunities.
- Our competitive procurements for our Disaster Recovery needs will fall in two primary categories:
- **Small Procurements (Simplified)**: Purchases and contracts for services established for goods and services with a potential contract value less than or equal to \$25,000.00. These small procurements will be posted on our website under "Procurement Opportunities" and will be solicited for a week or less.
- **Large Procurements (Exceeds the Simplified Acquisition Threshold)**: Purchases and contract for services established with a potential contract value in excess of \$25,000.00. Most of these competitive procurement opportunities will be available to be viewed on our website through our electronic bidding system, Bid Online, and bidder registration is required. You must also be properly registered prior to the submittal deadline to respond to procurements over the Simplified Acquisition Threshold*.
- All interested prospective bidders and potential Respondents for both categories above are strongly encouraged to register through Bid Online. Our database is also used as a resource tool to provide us with a listing of potential suppliers of goods and services to assist us with our citywide operations.
- In addition to our City's website and Bid Online, the large dollar valued procurements will also be advertised in the South Carolina Business Opportunities (SCBO) newsletter. If you have any questions, please contact the City of Columbia's Purchasing Division at (803)545-3470.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).
- *The Simplified Acquisition Threshold as referenced in Federal Acquisition Regulation (FAR) 13.003 (b)(i) is \$150,000.00. Since the City of Columbia's procurement thresholds are more stringent, \$25,000.01 is the Simplified Acquisition Threshold for all flood related procurements.

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Parks and Recreation: Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

Utilities and Engineering Update

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing work on rock dam structure.
- Contractor working to address upstream bank stabilization. Ten sites identified.
- National Guard assistance has been phased out. Anticipate hydroseeding the Kline property sometime this week to repair turf damaged during National Guard staging.
- Bypass pumping continues and will continue until Canal levels can be raised.

Water Plants

- Lake Murray WTP – Normal operation. Pumpage for Oct. 19 (midnight to midnight) was approximately 32 million gallons.
- Canal WTP
 - Temporary Broad River pumping continues.
 - Pumpage Oct. 19 (midnight to midnight) – 24 million gallons raw water; 25 million gallons finished

Water Distribution

- All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
- Completed Monday, Oct. 5 – Thursday, Oct. 15
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset

- Quail Hill Subdivision
- 16" at Kings Grant
- Monticello and Blue Ridge Terrace
- Hunt Club Road
- 510 Lakeside Avenue
- Beaver Dam Road
- 18" line break between South Beltline and Veterans
- 300' section out along Caughman Road from Benson to Dominion
- Overcreek – 6" broke in half at dam breach
- 10" break on Forest between Trenholm & Percival
- Audobon Oaks break caused by construction. Line has been repaired.
- 3200 Fernandina Road – checked line. No break to repair.
- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24" on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 58.51 million gallons.
 - Influent flow for the previous 24 hr. period was 70.49 million gallons. IPS wetwell level at 108.7 ft. elevation.
 - Equalization basin is at 123.20 ft. Max is 134-135.
 - Solids dewatering is running. After the following repairs were made:
 - Unclogged cooling water drain on the oil pump for No. 1 centrifuge.
 - Repairs made to No. 2 conveyor (A)
 - Received a shipment of hypochlorite.
 - Maintenance changed the belt on No. 4b Screw Pump and also tightened belt for No. 2a screw pump.
- Collection system
 - Pump Stations (No changes as of end of day Oct. 19)
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station – Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Mill Creek Pump Station – Grinder remains out of service at #065
 - North Columbia Pump Station – Grinder remains out of service at #295
 - Crane Creek Temporary Bypass System
 - The temporary bypass system was flooded and is not operational
 - A few of the pumps that were placed at the Canal are now available for use. The Contractor has currently ordered the remainder needed, and vender is trying to locate requested pumps.

- After further inspection of the temporary bypass forcemain, there are a few locations that need to be repaired. The Contractor is currently working toward accessing these locations and making the needed repairs.
 - The aerial crossing providing support for the force main across crane creek was destroyed and will need to be re-built. Contractor is currently removing trees to access forcemain alignment.
 - Once the Contractor locates and obtains replacement pumps and CSX repairs the damaged train tressle along the project corridor, McClam is estimating that it will take and additional two months to before the temporary by-pass system will be operational.
 - CSX has mobilized on site and has started repairs to the rail.
 - Sanitary Sewer Overflows
 - Candi Lane – Caused by blockage in 42" interceptor. Bids were received. The apparent low bidder is G. H. Smith Construction. We are working with Procurement and Purchasing to award bid and issue Notice to Proceed as soon as Tuesday.
 - Condition Assessment
 - Lines inspected using CCTV: 1,753 feet
 - Lines cleaned: 5,098 feet
 - Manholes Inspected: 40
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Broad River Road Area – No damage Found
 - Crane creek outfall – multiple manhole covers off
 - Repairs made
 - Cleanup of Martin Luther Kings Park is in progress from overflow/high water event.
 - 1030 Bryon St – Sewer line Cleanout install
 - 4318 Timber lane – Manhole Repair
 - Harden St – Manhole casting and lid
 - 903 Edisto – Service Line repair
 - Repairs or investigations
 - 724 Gabriel St – Install cleanout, completed
 - 1001 Veterans – Install cleanout, completed
 - 1332 Shady Lane – Cleanup yard, completed
 - 500 Forest Dr – Completed: mainline broke due to cave in of roadway and cleanup from overflow
 - Service Calls received and responded to: 33 received; 17 responded to
 - Crews are working on the following today:
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
 - Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Need to determine if repair is temporary or if it can be permanent.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Meeting with WWM staff today to determine a temporary solution to connect service line to main line until the overall damage assessment can be made. This is possibly a

multi-divisional solutions due to the damage to the existing sewer, creek banks, and utility easements.

- Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
- 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Site visit confirmed location and secondary rain has added silt to pipe. Currently less visible, this location has become a lower priority.
- West Columbia 42" Interceptor Blockage/Repair –Bids were received on Monday. The apparent low bidder is G. H. Smith Construction in the amount of \$259,000.00. Notice of Award and Notice to Proceed will be issued as soon as approved through Emergency Procurement
- Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Reviewing options for repair.
- Quail Creek Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- Reflections Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Emergency package is complete and distributed to bidders. Bids scheduled to open today at 9:00 a.m.

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
 - Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
 - Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
 - Two additional open houses held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
 - Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.
 - City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.

FEMA Disaster Recovery Centers (Updated Locations)

- A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.
- The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website:
<http://asd.fema.gov/inter/locator/home.htm>.
- The following FEMA Disaster Recovery Centers are now available:
 - **Main Library** - 1431 Assembly St, Columbia, SC 29201
Phone: (803) 799-9084
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **Eastover Library** - 608 Main St, Eastover, SC 29044
Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

Federal Disaster Applications

- To begin the Federal Disaster application process, please call 1.800.621.FEMA or visit <http://www.disasterassistance.gov>.

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.
- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant's disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance.

For example, the applicant may still need to:

- Return insurance information;
 - Provide information to prove occupancy or ownership of the damaged property;
 - Fill out all necessary paperwork; or
 - Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
 - Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.
 - FEMA reminds applicants to return the completed SBA loan application even if they choose to decline the loan. Completing the loan application is a necessary step if applicants are to be considered for some other forms of disaster assistance.
 - Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant's Handbook sent to everyone who registered with FEMA. More information is available in the "Help After a Disaster Booklet." [Click Here](#)
 - The home page S.C. Emergency Management Division website contains flood-specific information, including a list of recovery resources that are available to survivors. Visit www.scecmd.org for more information.
 - Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at [800-621-3362](tel:800-621-3362). Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, [800-462-7585](tel:800-462-7585). Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to "apply online for federal assistance." Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

SCEMD Recovery Update

[Download](#) the SCEMD newsletter for more information about requests for public assistance.

[After the Flood Basics](#) provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste

- In effort keep up with our recycling schedule, servicing will be on the 2nd and 4th Thursday and Friday for customers on Saturday, October 17, 2015 that were missed due to last week's flood.
- Yard waste pickup services resume Monday, October 19, 2015.
- To stay informed on Solid Waste services, residents can download the free "Columbia, SC Solid Waste" app on iPhone and Android or sign up online at the City's website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Pet Safety during Flood Recovery

- The City's Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time during emergency response.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

Shelters: Richland County designated shelters are listed below.

Shelter Name	Address	Status
St Andrews Presbyterian Church	6952 St Andrews Rd	Open
Temple Baptist Church	806 Universal Drive	Open

Wednesday, October 21, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 19

Status	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	
OPEN	North Main Street	Sunset Drive	Anthony Street	
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	
Closed	Fort Jackson Blvd	Wildcat Road	Devine Street	
Closed	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
Closed	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	Passable
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peeples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
Restricted	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Repeal of Boil Water Advisory for Mauney Drive: 10.20.2015

The City of Columbia Water Works advises the water customers of Mauney Drive (between Bluff Road and Shop Road), located in Richland County, that they no longer need to boil their water prior to drinking or cooking.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

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- All interested prospective bidders and potential Respondents for both categories above are strongly encouraged to register through Bid Online. Our database is also used as a resource tool to provide us with a listing of potential suppliers of goods and services to assist us with our citywide operations.
- In addition to our City’s website and Bid Online, the large dollar valued procurements will also be advertised in the South Carolina Business Opportunities (SCBO) newsletter. If you have any questions, please contact the City of Columbia’s Purchasing Division at (803)545-3470.
- To access Bid Online, visit the [City of Columbia’s Purchasing Division page](#).
- *The Simplified Acquisition Threshold as referenced in Federal Acquisition Regulation (FAR) 13.003 (b)(i) is \$150,000.00. Since the City of Columbia’s procurement thresholds are more stringent, \$25,000.01 is the Simplified Acquisition Threshold for all flood related procurements.

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.

- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Parks and Recreation: Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

Utilities and Engineering Update

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing work on rock dam structure.
- Contractor working to address upstream bank stabilization. Ten sites identified.
- National Guard assistance has been phased out. Anticipate hydroseeding the Kline property sometime this week to repair turf damaged during National Guard staging.
- Bypass pumping continues and will continue until Canal levels can be raised.

Water Plants

- Lake Murray WTP – Normal operation. Pumpage for Oct. 19 (midnight to midnight) was approximately 32 million gallons.
- Canal WTP
 - Temporary Broad River pumping continues.
 - Pumpage Oct. 19 (midnight to midnight) – 24 million gallons raw water; 25 million gallons finished

Water Distribution

- All lines should be pressurized now. Any lines under repair should only be affecting pressure, not causing water outages. Some customers may be experiencing air pockets in their lines that make it look like they are out of water. Customer Care is advising them to open their cold water spigot for a couple of minutes to bleed the air. If water still does not run, they should then turn off the spigot and report it as an outage.
- Completed Monday, Oct. 5 – Thursday, Oct. 15
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 18" line break between South Beltline and Veterans
 - 300' section out along Caughman Road from Benson to Dominion
 - Overcreek – 6" broke in half at dam breach
 - 10" break on Forest between Trenholm & Percival
 - Audobon Oaks break caused by construction. Line has been repaired.

- 3200 Fernandina Road – checked line. No break to repair.
- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24” on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 58.51 million gallons.
 - Influent flow for the previous 24 hr. period was 70.49 million gallons. IPS wetwell level at 108.7 ft. elevation.
 - Equalization basin is at 123.20 ft. Max is 134-135.
 - Solids dewatering is running. After the following repairs were made:
 - Unclogged cooling water drain on the oil pump for No. 1 centrifuge.
 - Repairs made to No. 2 conveyor (A)
 - Received a shipment of hypochlorite.
 - Maintenance changed the belt on No. 4b Screw Pump and also tightened belt for No. 2a screw pump.
- Collection system
 - Pump Stations (No changes as of end of day Oct. 19)
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station – Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Mill Creek Pump Station – Grinder remains out of service at #065
 - North Columbia Pump Station – Grinder remains out of service at #295
 - Crane Creek Temporary Bypass System
 - The temporary bypass system was flooded and is not operational
 - A few of the pumps that were placed at the Canal are now available for use. The Contractor has currently ordered the remainder needed, and vender is trying to locate requested pumps.
 - After further inspection of the temporary bypass forcemain, there are a few locations that need to be repaired. The Contractor is currently working toward accessing these locations and making the needed repairs.
 - The aerial crossing providing support for the force main across crane creek was destroyed and will need to be re-built. Contractor is currently removing trees to access forcemain alignment.
 - Once the Contractor locates and obtains replacement pumps and CSX repairs the damaged train tressle along the project corridor, McClam is estimating that it will take an additional two months to before the temporary by-pass system will be operational.
 - CSX has mobilized on site and has started repairs to the rail.
 - Sanitary Sewer Overflows

- Candi Lane – Caused by blockage in 42" interceptor. Bids were received. The apparent low bidder is G. H. Smith Construction. We are working with Procurement and Purchasing to award bid and issue Notice to Proceed as soon as Tuesday.
 - Condition Assessment
 - Lines inspected using CCTV: 1,753 feet
 - Lines cleaned: 5,098 feet
 - Manholes Inspected: 40
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Broad River Road Area – No damage Found
 - Crane creek outfall – multiple manhole covers off
 - Repairs made
 - Cleanup of Martin Luther Kings Park is in progress from overflow/high water event.
 - 1030 Bryon St – Sewer line Cleanout install
 - 4318 Timber lane – Manhole Repair
 - Harden St – Manhole casting and lid
 - 903 Edisto – Service Line repair
 - Repairs or investigations
 - 724 Gabriel St – Install cleanout, completed
 - 1001 Veterans – Install cleanout, completed
 - 1332 Shady Lane – Cleanup yard, completed
 - 500 Forest Dr – Completed: mainline broke due to cave in of roadway and cleanup from overflow
 - Service Calls received and responded to: 33 received; 17 responded to
 - Crews are working on the following today:
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
 - Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Need to determine if repair is temporary or if it can be permanent.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Meeting with WWM staff today to determine a temporary solution to connect service line to main line until the overall damage assessment can be made. This is possibly a multi-divisional solutions due to the damage to the existing sewer, creek banks, and utility easements.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Site visit confirmed location and secondary rain has added silt to pipe. Currently less visible, this location has become a lower priority.
 - West Columbia 42" Interceptor Blockage/Repair –Bids were received on Monday. The apparent low bidder is G. H. Smith Construction in the amount of

\$259,000.00. Notice of Award and Notice to Proceed will be issued as soon as approved through Emergency Procurement

- Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Reviewing options for repair.
- Quail Creek Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- Reflections Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Emergency package is complete and distributed to bidders. Bids scheduled to open today at 9:00 a.m.

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
 - Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
 - Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
 - Two additional open houses held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
 - Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.

- City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.

FEMA Disaster Recovery Centers (Updated Locations)

- A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.
- The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.
- The following FEMA Disaster Recovery Centers are now available:
 - **Main Library** - 1431 Assembly St, Columbia, SC 29201
Phone: (803) 799-9084
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **Eastover Library** - 608 Main St, Eastover, SC 29044
Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.
- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant's disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance.

For example, the applicant may still need to:

- Return insurance information;
- Provide information to prove occupancy or ownership of the damaged property;

- Fill out all necessary paperwork; or
- Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
- Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.
- FEMA reminds applicants to return the completed SBA loan application even if they choose to decline the loan. Completing the loan application is a necessary step if applicants are to be considered for some other forms of disaster assistance.
- Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant's Handbook sent to everyone who registered with FEMA. More information is available in the "Help After a Disaster Booklet." [Click Here](#)
- The home page S.C. Emergency Management Division website contains flood-specific information, including a list of recovery resources that are available to survivors. Visit www.scemd.org for more information.
- Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at **800-621-3362**. Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, **800-462-7585**. Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to "apply online for federal assistance." Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

SCEMD Recovery Update

[Download](#) the SCEMD newsletter for more information about requests for public assistance.

After the Flood Basics provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste

- In effort keep up with our recycling schedule, servicing will be on the 2nd and 4th Thursday and Friday for customers on Saturday, October 17, 2015 that were missed due to last week's flood.
- Yard waste pickup services resume Monday, October 19, 2015.
- To stay informed on Solid Waste services, residents can download the free "Columbia, SC Solid Waste" app on iPhone and Android or sign up online at the City's website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Pet Safety during Flood Recovery

- The City's Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time during emergency response.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

Shelters: Richland County designated shelters are listed below.

Shelter Name	Address	Status
St Andrews Presbyterian Church	6952 St Andrews Rd	Open
Temple Baptist Church	806 Universal Drive	Open

Thursday, October 22, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 22

Status	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	-
OPEN	North Main Street	Sunset Drive	Anthony Street	-
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	-
Closed	Fort Jackson Blvd	Wildcat Road	Devine Street	
Closed	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
Closed	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	Passable
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peoples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
Restricted	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Repeal of Boil Water Advisory for Mauney Drive: 10.20.2015

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

Boil Water Advisory for Walcott and Frasier Streets: 10.16.2015

The City of Columbia Water Works advises the water customers **of Walcott Street and Frasier Street between Shop Road and Bluff Road**, located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a six-inch water main break. This could possibly result in bacterial contamination of the water on **Walcott Street and Frasier Street between Shop Road and Bluff Road**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620 or the South Carolina Hospitality Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division will begin advertising the **October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities** on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to

anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).

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Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- [Do you have the green light to get a building permit for your flood-damaged property? CLICK HERE](#) for details.

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Parks and Recreation: Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

Utilities and Engineering Update

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing work on rock dam structure.
- Contractor continues working to address upstream bank stabilization.
- Tuesday, Oct. 20, FEMA and FERC were out reviewing work on the canal.
- Anticipate hydroseeding the Kline property sometime this week to repair turf damaged during National Guard staging.
- Bypass pumping continues and will continue until Canal levels can be raised.

Water Plants

- The operation of the WTPs remains stable. The Canal WTP continues to rely upon the diesel driven pumps pulling from the Broad River and also from the Canal to deliver supply to the raw water reservoir. The operation of the distribution has returned to normal, as evidenced by the relatively equal finished water flow split between the plants.
- Lake Murray WTP – Normal operation. Pumpage for Oct. 21 (midnight to midnight) was approximately 29 million gallons.
- Canal WTP – Pumpage Oct. 21 (midnight to midnight) – 46 million gallons raw water pumped into reservoir (filling); 30 million gallons finished

Water Distribution

- Completed Monday, Oct. 5 – Thursday, Oct. 15
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
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 - 300' section out along Caughman Road from Benson to Dominion
 - Overcreek – 6" broke in half at dam breach
 - 10" break on Forest between Trenholm & Percival

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- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24” on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.
- Under repair – Wednesday, Oct. 22
 - Covenant Road – Collapsed road caused a water main to fall Wednesday evening, Oct. 20. Break has been isolated. Will be contracting repair.

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 59.11 million gallons.
 - Influent flow for the previous 24 hr. period was 67.34 million gallons. IPS wetwell level at 105.55 ft. elevation.
 - Equalization basin is at 120.1 ft. Max is 134-135.
 - Solids dewatering is running.
 - Staff is compiling a list of specific non-emergency flood damage repairs that will need to go through procurement.
- Collection system
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station
 - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Pump #1 is out of service. The pump shut down due to water intrusion at the electrical connection. Flygt has been contacted and will need to pull the pump and make repairs. Currently there are only two out of four pumps in operation at the pump station. Repairs will be expedited.
 - Mill Creek Pump Station – Grinder remains out of service at #065
 - North Columbia Pump Station – Damaged grinder #295 was removed and sent back to the vender for damage assessment. A replacement grinder was installed.
 - Crane Creek Temporary Bypass System
 - The temporary bypass system was flooded and is not operational
 - A few of the pumps that were placed at the Canal are now available for use. The Contractor has currently ordered the remainder needed, and vender is trying to locate requested pumps.
 - After further inspection of the temporary bypass forcemain, there are a few locations that need to be repaired. The Contractor is currently working toward accessing these locations and making the needed repairs.
 - The aerial crossing providing support for the force main across Crane Creek was destroyed and will need to be re-built. Contractor is currently removing trees to access forcemain alignment.

- Once the Contractor locates and obtains replacement pumps and CSX repairs the damaged train trestle along the project corridor, McClam is estimating that it will take an additional two months to before the temporary by-pass system will be operational.
 - CSX has mobilized on site and has started repairs to the rail.
 - City staff met with the Contractor to discuss flood proofing of existing bypass pump site and proposed schedules moving forward.
 - Sanitary Sewer Overflows
 - Candi Lane – Caused by blockage in 42" interceptor. The Notice of Award and Notice to Proceed was issued to G. H Smith for repairs to the 42" interceptor. A schedule for installation and operation of the temporary bypass will be provided by the Contractor this morning.
 - Condition Assessment
 - Lines inspected using CCTV: 2,000 feet
 - Lines cleaned: 5,870 feet
 - Manholes Inspected: 50
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Crane Creek outfall – continues to find manhole cover off
 - Bluff Rd – erosion issues
 - Service Calls received and responded to: 21 received; 16 responded to; 5 turned to night crew
 - Crews are working on the following today:
 - Re-Check Critical Manholes
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
 - SS Rat crew returned to sewer inspection
 - Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Need to determine if repair is temporary or if it can be permanent.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Meeting with WWM staff today to determine a temporary solution to connect service line to main line until the overall damage assessment can be made. This is possibly a multi-divisional solutions due to the damage to the existing sewer, creek banks, and utility easements.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Site visit confirmed location and secondary rain has added silt to pipe. Currently less visible, this location has become a lower priority.
 - West Columbia 42" Interceptor Blockage/Repair –Bids were received on Monday. The apparent low bidder is G. H. Smith Construction in the amount of \$259,000.00. Notice of Award and Notice to Proceed was issued

yesterday. The Contractor will provide a mobilization and bypass pump installation schedule today.

- Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Sending location of service line to Real Estate Services to verify ownership.
- Quail Creek Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- Reflections Repair – Repair made by contractor – Need to determine if repair is temporary or if it can be permanent
- 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Emergency package is complete and distributed to bidders. Bids are schedule to be received on Monday at 10:00 am. This project will be bid using bid online.
- 320 Northwood St Point Repair - A section of 8" gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs.

Floodplain Open House

An additional open house in partnership with Richland County is scheduled for Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School. City and County staff will answer questions about the flood repair process and hand out forms. *Permit applications will not be accepted at the open houses.*

- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
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 - Two additional open houses were held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.

- Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.
- City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.

FEMA Disaster Recovery Centers (Updated Locations)

- A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.
- The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.
- The following FEMA Disaster Recovery Centers are now available:
 - **Main Library** - 1431 Assembly St, Columbia, SC 29201
Phone: (803) 799-9084
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **Eastover Library** - 608 Main St, Eastover, SC 29044
Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.
- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant's disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance.

For example, the applicant may still need to:

- Return insurance information;
 - Provide information to prove occupancy or ownership of the damaged property;
 - Fill out all necessary paperwork; or
 - Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
 - Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.
 - Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant's Handbook sent to everyone who registered with FEMA. More information is available in the "Help After a Disaster Booklet." [Click Here](#)
 - Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at [800-621-3362](tel:800-621-3362). Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, [800-462-7585](tel:800-462-7585). Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to "apply online for federal assistance." Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

SCEMD Recovery Update

[Download](#) the SCEMD newsletter for more information about requests for public assistance.

After the Flood Basics provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste

- In effort keep up with our recycling schedule, servicing will be on the 2nd and 4th Thursday and Friday for customers on Saturday, October 17, 2015 that were missed due to last week's flood.
- Yard waste pickup services resume Monday, October 19, 2015.

- To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Pet Safety during Flood Recovery

- The City’s Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time during emergency response.
- Citizens and/or businesses wishing to donate food or water may bring these items to the Columbia Fire Department at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
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Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Friday, October 23, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 23

	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	-
OPEN	North Main Street	Sunset Drive	Anthony Street	-
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	-
OPEN	Fort Jackson Blvd	Wildcat Road	Devine Street	
OPEN	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
OPEN	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	Passable
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peeples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
Restricted	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	

Closed	Fairfield Road	Sharpe Road	Crane Church Road	
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The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Repeal of Boil Water Advisory for Mauney Drive: 10.20.2015

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

Boil Water Advisory for Walcott and Frasier Streets: 10.16.2015

The City of Columbia Water Works advises the water customers **of Walcott Street and Frasier Street between Shop Road and Bluff Road**, located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a six-inch water main break. This could possibly result in bacterial contamination of the water on **Walcott Street and Frasier Street between Shop Road and Bluff Road**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620 or the South Carolina Hospitality Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division will begin advertising the **October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities** on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8am-5pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Parks and Recreation: Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.

- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

Utilities and Engineering Update

Canal Repair

- Dam was constructed at 150 ft. elevation. Continuing work on rock dam structure.
- Contractor continues working to address upstream bank stabilization. Expect repairs to continue at least through next week.
- Contractor working at the headgates is beginning to fabricate bulkheads for each gate. Installation will begin next week.
- Progress meeting with Federal Energy Regulatory Commission will be held this morning, Oct. 23.
- Bypass pumping continues and will continue until Canal levels can be raised.

Water Plants

- The operation of the WTPs remains stable. The Canal WTP continues to rely upon the diesel driven pumps pulling from the Broad River and also from the Canal to deliver supply to the raw water reservoir. The operation of the distribution has returned to normal, as evidenced by the relatively equal finished water flow split between the plants.
- Lake Murray WTP – Normal operation. Pumpage for Oct. 22 (midnight to midnight) was approximately 28 million gallons.
- Canal WTP – Pumpage Oct. 22 (midnight to midnight) – 40 million gallons raw water pumped into reservoir (filling); 30 million gallons finished

Water Distribution

- Completed Monday, Oct. 5 – Thursday, Oct. 15
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue

- Beaver Dam Road
- 18" line break between South Beltline and Veterans
- 300' section out along Caughman Road from Benson to Dominion
- Overcreek – 6" broke in half at dam breach
- 10" break on Forest between Trenholm & Percival
- Audobon Oaks break caused by construction. Line has been repaired.
- 3200 Fernandina Road – checked line. No break to repair.
- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24" on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.
- Under repair – Wednesday, Oct. 23
 - Covenant Road – Collapsed road caused a water main to fall Wednesday evening, Oct. 20. Break has been isolated. Chose to have City crews repair the break rather than using a contractor. Currently awaiting SCDOT examination of the road; once that is complete, City crews will begin repairs. Anticipate being able to start repairs early next week (week of Oct. 26).

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 47.77 million gallons.
 - Influent flow for the previous 24 hr. period was 58.17 million gallons. IPS wetwell level at 104.15 ft. elevation.
 - Equalization basin is at 120.06 ft. Max is 134-135.
 - Solids dewatering is running.
 - Meeting was held with Metro WWTP Superintendent to review all current repair needs in addition to all contractor and vendor emergency work that was completed. We will be summarizing all work completed and moving forward with procurement on all contract work required due to damages received during the flood.
- Collection system
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station
 - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Pump #1 is out of service. The pump shut down due to water intrusion at the electrical connection. Flygt has been contacted and will need to pull

the pump and make repairs. Currently there are only two out of four pumps in operation at the pump station. Repairs will be expedited.

- Mill Creek Pump Station – Grinder remains out of service at #065. Scheduled to be replaced today, Oct. 23.
- Meeting was held with Lift Station Supervisor to review all current repair needs in addition to all contractor and vendor emergency work that was completed. We will be summarizing all work completed and moving forward with procurement on all contract work required due to damages received during the flood.
- Crane Creek Temporary Bypass System
 - The temporary bypass system was flooded around 3:30 a.m. on Oct. 4 and is not operational
 - All but one(1) of the (5) required replacement pumps is on site as of this date
 - There are two (2) pumps and associated fitting, hoses belonging to United Rental at the Head works we do not need these pumps and should be returned if they are for the bypass system.
 - Repairs are ongoing to 24" bypass line
 - Damaged aerial steel bridge crossing was taken down on 10-21-15. Repairs are in progress.
 - Godwin has supplied four (4) of five (5) required replacement pumps as of this date.
 - Norfolk Southern has completed repairs to embankment underneath rail road. Norfolk Southern now working off of project limits.
 - Contractor in process of rebuilding and raising earth berm around pump station to elevation 171.00.
 - Contractor hauling and placing both surge stone and rip rap at temporary steel bridge crossing at Crane Creek.
 - Contractor is waiting on Godwin to fuse suction pipes at vault, prior to installing pumps.
- Sanitary Sewer Overflows
 - Candi Lane – Caused by blockage in 42" interceptor. G.H. Smith has indicated that the bypass for the 42" Interceptor is currently planned to be operational by Nov. 1.
- Condition Assessment
 - Lines inspected using CCTV: 2,518 feet
 - Lines cleaned: 4,152 feet
 - Manholes Inspected: 40
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Crane Creek outfall – continues to find manhole cover off
- Repairs made:
 - 912 Farnham Dr – Cleanout repair.
 - 1500 Tanglewood – Emergency Repair, completed turned over to Street
 - 520 Amherst – Service line repair
 - ARV Repair/Replacement on Jade Tree Forcemain

- Service Calls received and responded to: 15 received; 13 responded to; 2 turned to night crew
- Crews are working on the following today:
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
 - SS Rat crew returned to sewer inspection
- Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Obtaining initial estimate for repair from contractor.
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 - Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
 - 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Sending location of service line to Real Estate Services to verify ownership.
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Floodplain

- First Floor Washington Square

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 - City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.

FEMA Disaster Recovery Centers (Updated Locations)

- A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs.
- The City is working with Richland County and the State to open a number of FEMA Disaster Relief Centers in the coming days at Richland County Libraries. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.

- The following FEMA Disaster Recovery Centers are now available:
 - **Main Library** - 1431 Assembly St, Columbia, SC 29201
Phone: (803) 799-9084
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
 - **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
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 - **Eastover Library** - 608 Main St, Eastover, SC 29044
Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

FEMA Ineligibility Letters

- Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency (FEMA) saying they are ineligible for disaster assistance.
- If that happens, do not be alarmed or discouraged. It may mean that FEMA does not have all the information needed to make a decision regarding an applicant’s disaster assistance.
- Several reasons exist for why flood survivors receive ineligibility determination letters and yet may be eligible for assistance.

For example, the applicant may still need to:

- Return insurance information;
- Provide information to prove occupancy or ownership of the damaged property;
- Fill out all necessary paperwork; or
- Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
- Flood survivors have up to 12 months from the date they registered with FEMA to submit insurance information for review. FEMA cannot provide money to individuals or households for losses already covered by insurance.
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- Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at [800-621-3362](tel:800-621-3362). Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, [800-462-7585](tel:800-462-7585). Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to “apply online for federal assistance.” Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

SCEMD Recovery Update

[Download](#) the SCEMD newsletter for more information about requests for public assistance.

After the Flood Basics provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste (Updated October 23rd)

- Yard trash collection is a day behind. Solid waste drivers will run Thursday’s route/schedule, Today (Friday, October 23) and the Friday route/schedule will run Saturday, October 24.
- In effort keep up with our recycling schedule, servicing will be on the 2nd and 4th Thursday and Friday for customers on Saturday, October 17, 2015 that were missed.
- To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up online at the City’s website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.

- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Pet Safety during Flood Recovery

- The City’s Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. When feeding your pets, boil water if your area is still under boil water advisory. If pets consume contaminated water it could cause them to become very ill. Also, keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call the Columbia Animal Shelter at 803-776-PETS.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time during emergency response.
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- **Donated Goods and Services of South Carolina** will be coordinating donations and volunteers. Please call 1-888-585-9643.

Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Tuesday, October 27, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures

Status	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	
OPEN	North Main Street	Sunset Drive	Anthony Street	
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	
OPEN	Fort Jackson Blvd	Wildcat Road	Devine Street	
OPEN	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
OPEN	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	Passable
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peoples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
Restricted	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	

Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Flood Repair Open House

City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the open house on **Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School.** City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division has begun advertising the October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8 am-5 pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more

information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Repeal of Boil Water Advisory for Walcott and Frasier Streets: 10.23.2015

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

Martin Luther King, Jr. Park Green Space Closed for Special Event Usage Only

The City of Columbia Parks and Recreation Department announced that the green space at Martin Luther King, Jr. Park is closed to special event usage due to the damage caused by the October 2015 Flood.

The park's community center remains open to visitors; however, all special events have been moved from the park until further notice.

All activities scheduled inside the community center will continue as normal.

The green space is still accessible for individual usage.

Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

Utilities and Engineering Update

Canal Repair

- Canal rock dam construction is complete.
- Contractor continues working to address upstream bank stabilization. Expect repairs to continue at least through this week (week of Oct. 26).
- Anticipate raising water level the week of Nov. 2. Expected to take 24 hours to reach a normal pool of 148 ft. elevation (4-5 ft. below previous normal elevation). Reduction in level is due to less flow in the canal and the spillway being lowered during the event in an attempt to reduce flows and lower the water elevation during repairs.
- Contractor working at the headgates was authorized to begin fabricating the bulkheads for each gate. The bulkheads are a preventive measure to help control the flow into the canal should any of the gates fail. They began fabrication this week and anticipate beginning the installation by the end of next week. The anticipated completion of the bulkheads by Nov 20th barring no issues.
- The Federal Energy Regulatory Commission inspected the Canal on Tuesday, Oct. 20, and Friday, Oct. 23. FERC will return the week of Nov. 2 when the water levels are raised.
- Bypass pumping continues and will continue until Canal levels can be raised, likely through the first full week of November. They will remain set up until the canal level is brought up and there have been a week or two of no pumping issues.

Water Plants

- The operation of the WTPs remains stable. The Canal WTP continues to rely upon the diesel driven pumps pulling from the Broad River and also from the Canal to deliver supply to the raw water reservoir. The operation of the distribution has returned to normal, as evidenced by the relatively equal finished water flow split between the plants.
- Lake Murray WTP – Normal operation. Pumpage for Oct. 28 (midnight to midnight) was 28 million gallons.
- Canal WTP – Pumpage for Oct. 28 (midnight to midnight) was 31 million gallons for raw water; 28 million gallons for finished water

Water Distribution

- Completed Monday, Oct. 5 – Monday, Oct.26
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - 12" Trenholm and Rockbridge
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 18" line break between South Beltline and Veterans
 - 300' section out along Caughman Road from Benson to Dominion
 - Overcreek – 6" broke in half at dam breach
 - 10" break on Forest between Trenholm & Percival

- Audobon Oaks break caused by construction. Line has been repaired.
- 3200 Fernandina Road – checked line. No break to repair.
- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24” on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.
- Covenant Road – Collapsed road caused a water main to fall Wednesday evening, Oct. 20. Break has been isolated. Chose to have City crews repair the break rather than using a contractor.

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 45.38 million gallons.
 - Influent flow for the previous 24 hr. period was 54.89 million gallons. IPS wetwell level at 104.6 ft. elevation.
 - Equalization basin is at 118.1 ft. Max is 134-135.
 - Solids dewatering is running.
 - Received a delivery of NaOCl.
- Collection system
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station
 - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Pump #1 is out of service. The pump shut down due to water intrusion at the electrical connection. Flygt has been contacted and will need to pull the pump and make repairs. Currently there are only two out of four pumps in operation at the pump station. Repairs will be expedited.
 - Mill Creek Pump Station – Grinder remains out of service at #065. Grinder was replaced on Friday, Oct. 23.
 - Crane Creek Temporary Bypass System
 - Still need one (1) more replacement pump.
 - The two (2) rental pumps and associated fittings are still sitting at head works.
 - Repairs are ongoing to 24” bypass line. Still need to bolt up both sides of the 24” bypass line located at Crane Creek. This will be done when aerial bridge is restored.
 - Damaged aerial steel bridge crossing crane Creek. All pilings have been replaced. Contractor has placed bridge frame and is proceeding to weld to piers.
 - Goodwin is in the process of fusing the suction pipe required at the vault for the replacement pump installation.
 - Contractor should complete placement of earth on berm to elevation 171.00 at close of business today. Contractor must place stabilization material to hold berm together believe the contractor is going to use straw blanket and seed with rye. .

- Electrical subcontractor to be on site this week to evaluate electrical system i.e. saw pole power to flow meter etc.
- Sanitary Sewer Overflows
 - SSO at 200 Candi Lane – Caused by Blockage in 42” interceptor. G.H. Smith has mobilized on site over the weekend and will be installing the temporary bypass this week.
 - 4427 Blossom – overflow 6565 estimated loss – storm related
- Condition Assessment
 - Lines inspected using CCTV: 2,215 feet
 - Lines cleaned: 4,244 feet
 - Manholes Inspected: 45
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Crane Creek outfall – continues to find manhole cover off. Spread sheet has been created and work has been reviewed to be forwarded to Assistant Wastewater Engineer
- Repairs made:
 - MLK Park – starting to resod
- Service Calls: 15 received; 13 responded to; 8 turned to night crew
- Crews are working on the following today:
 - Recheck critical manholes
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO’s and Service Calls
 - SS Rat crew returned to sewer inspection
- Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Obtaining initial estimate for repair from contractor.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40’. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8” DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42” Gravity Sewer and creek has washed bedding away. Staff currently working on procurement package for this repair.
 - West Columbia 42” Interceptor Blockage/Repair –Bids were received on Monday. G.H. Smith Construction has submitted a construction schedule that indicates the bypass will be operational by November 1, 2015.
 - Gills Creek Manhole on 54” Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
 - 7645 Garner’s Ferry Road Repair – Approx. 60’ of aerial sewer lateral has been washed out. Site visit on 10-13-14. Sending location of service line to Real Estate Services to verify ownership.
 - Quail Creek Repair – Repair made by contractor – Obtaining initial estimate for repair from contractor.
 - Reflections Repair – Repair made by contractor – Obtaining initial estimate for repair from contractor.

- 1400 Shop Road Blockage – 12” Lined gravity sewer over 15’ deep has a blockage – Emergency package is complete and distributed to bidders. This bid was held up due to finalizing procurement methods/documents.
- 320 Northwood St Point Repair - A section of 8” gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs. Staff is finalizing the procurement package
- Various Erosion Control and Creek Crossing Repairs – U&E received a list of 10 locations where gravity sewer system repairs are needed. We will be working with Shannon L. to move forward with these repairs under a design build agreement.

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
 - Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
 - Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
 - Two additional open houses held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.
 - An additional open house in partnership with Richland County is scheduled for Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
 - Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.

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SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

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- Return insurance information;
 - Provide information to prove occupancy or ownership of the damaged property;
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 - Complete and return the U.S. Small Business Administration loan application.
- Applicants with insurance should contact their insurance company and ask for a settlement letter detailing exactly what is covered under their claim. They should mail insurance settlement information to FEMA – Individuals & Households Program, National Processing Service Center, P.O. Box 10055, Hyattsville, MD 20782-7055.
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Solid waste

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- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets

trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.

- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

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- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
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[Download](#) tips on flood basics, hazards, insurance claims and clean up.

Donations and Volunteers

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Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Wednesday, October 28, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures

Status	Road Name	From	To	Comments
Closed	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	
OPEN	North Main Street	Sunset Drive	Anthony Street	
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
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OPEN	Taylor Street	Sumter Street	Marion Street	
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OPEN	Sumter Street	Taylor Street	Hampton Street	
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OPEN	Trenholm	Wyndham Drive	Adger Road	
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OPEN	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
Restricted	Lost Creek Drive	Gauley Drive	Grove Hall	Passable
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peoples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
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Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	

Closed	Brickyard Road	Peebles Street	I-20	
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The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Flood Repair Open House

City of Columbia flood repair assistance staff will be joined by Richland County floodplain staff at the Flood Repair Open House on **Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School**. City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open house. City permits can only be issued at Washington Square (1136 Washington Street).

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8 am-5 pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
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Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division has begun advertising the October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the

needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.

- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Martin Luther King, Jr. Park Green Space Closed for Special Event Usage Only

The City of Columbia Parks and Recreation Department announced that the green space at Martin Luther King, Jr. Park is closed to special event usage due to the damage caused by the October 2015 Flood.

The park's community center remains open to visitors; however, all special events have been moved from the park until further notice.

All activities scheduled inside the community center will continue as normal.

The green space is still accessible for individual usage.

Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

Utilities and Engineering Update

Canal Repair

- Canal rock dam construction is complete.
- Contractor continues working to address upstream bank stabilization. Expect repairs to continue at least through this week (week of Oct. 26).

- Anticipate raising water level the week of Nov. 2. Expected to take 24 hours to reach a normal pool of 148 ft. elevation (4-5 ft. below previous normal elevation). Reduction in level is due to less flow in the canal and the spillway being lowered during the event in an attempt to reduce flows and lower the water elevation during repairs.
- Contractor working at the headgates was authorized to begin fabricating the bulkheads for each gate. The bulkheads are a preventive measure to help control the flow into the canal should any of the gates fail. They began fabrication this week and anticipate beginning the installation by the end of next week. The anticipated completion of the bulk heads by Nov. 20 barring no issues.
- The Federal Energy Regulatory Commission inspected the Canal on Tuesday, Oct. 20, and Friday, Oct. 23. FERC will return the week of Nov. 2 when the water levels are raised.
- Bypass pumping continues and will continue until Canal levels can be raised, likely through the first full week of November. They will remain set up until the canal level is brought up and there have been a week or two of no pumping issues.

Water Plants

- The operation of the WTPs remains stable. The Canal WTP continues to rely upon the diesel driven pumps pulling from the Broad River and also from the Canal to deliver supply to the raw water reservoir. The operation of the distribution has returned to normal, as evidenced by the relatively equal finished water flow split between the plants.
- Lake Murray WTP – Normal operation. Pumpage for Oct. 27 (midnight to midnight) was 26 million gallons.
- Canal WTP – Pumpage for Oct. 27 (midnight to midnight) was 36 million gallons for raw water; 27 million gallons for finished water

Water Distribution

- Completed Monday, Oct. 5 – Monday, Oct.26
 - Bluff Road south of Pineview
 - 12" at Lostcreek
 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16" at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 300' section out along Caughman Road from Benson to Dominion
 - 10" break on Forest between Trenholm & Percival
 - Audobon Oaks break caused by construction. Line has been repaired.
 - 3200 Fernandina Road – checked line. No break to repair.
 - 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
 - Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
 - Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
 - 24" on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.
 - Covenant Road – Collapsed road caused a water main to fall Wednesday evening, Oct. 20. Break has been isolated. Chose to have City crews repair the break rather than using a contractor.
- Follow up repairs for Wednesday, Oct. 28 (all lines below have been isolated)

- 12" Trenholm and Rockbridge – Had been previously isolated. Awaiting contractor bid for final repairs.
- Overcreek – 6" broke in half at dam breach. Had been previously isolated. Awaiting contractor bid for final repairs.
- 18" line break between South Beltline and Veterans – Had been previously isolated. Awaiting contractor bid for final repairs.
- 6" at East Shore – Found the line laying in the creek. Was isolated before it was found. Awaiting contractor bid for final repairs.

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 44.53 million gallons.
 - Influent flow for the previous 24 hr. period was 57.00 million gallons. IPS wetwell level at 104.9 ft. elevation.
 - Equalization basin is at 118.2 ft. Max is 134-135.
 - Solids dewatering is running.
 - Received a delivery of Mg(OH)₂.
- Collection system
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station
 - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Pump #1 is out of service. The pump shut down due to water intrusion at the electrical connection. Flygt has been contacted and will need to pull the pump and make repairs. Currently there are only two out of four pumps in operation at the pump station. Repairs will be expedited.
 - Crane Creek Temporary Bypass System
 - Still need one (1) more replacement pump.
 - Repairs are ongoing to 24" bypass line. Still need to bolt up both sides of the 24" bypass line located at Crane Creek. This will be done when aerial bridge is restored.
 - One pump was set today.
 - The work was stopped due to rain.
 - Sanitary Sewer Overflows
 - SSO at 200 Candi Lane – Caused by Blockage in 42" interceptor. G.H. Smith has mobilized on site over the weekend and will be installing the temporary bypass this week.
 - Condition Assessment
 - Lines inspected using CCTV: 2,680 feet
 - Lines cleaned: 4,954 feet
 - Manholes Inspected: 45
 - Easements inspected – Various areas were inspected. The following issues were found:
 - Crane Creek outfall – continues to find manhole cover off. Spread sheet has been created and work has been reviewed to be forwarded to Assistant Wastewater Engineer
 - Repairs made:
 - MLK Park – starting to re-sod

- 315 Tyler St. – Repaired and removed, continued CCTV
 - Service Calls: 18 received; 13 responded to; 5 turned to night crew
 - Crews are working on the following today:
 - Continue assessment and documentation, ie. Creek crossings, easements
 - Address SSO's and Service Calls
- Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Obtaining initial estimate for repair from contractor.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42" Gravity Sewer and creek has washed bedding away. Staff currently working on procurement package for this repair.
 - West Columbia 42" Interceptor Blockage/Repair –Bids were received on Monday. G.H. Smith Construction has submitted a construction schedule that indicates the bypass will be operational by November 1, 2015.
 - Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
 - 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Sending location of service line to Real Estate Services to verify ownership.
 - Quail Creek Repair – Repair made by contractor – Obtaining initial estimate for repair from contractor.
 - Reflections Repair – Repair made by contractor – Obtaining initial estimate for repair from contractor.
 - 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Emergency package is complete and distributed to bidders. This bid was held up due to finalizing procurement methods/documents.
 - 320 Northwood St Point Repair – A section of 8" gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs. Staff is finalizing the procurement package
 - Various Erosion Control and Creek Crossing Repairs – U&E received a list of 13 locations where gravity sewer system repairs are needed. We will be working with Contracts to move forward with these repairs under a design build agreement.

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.

- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
 - Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
 - Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
 - Two additional open houses held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.
 - An additional open house in partnership with Richland County is scheduled for Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
 - Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.
 - City crews are working hard to identify and respond to any sanitary sewer overflows (SSOs) they can find. Anyone who sees damage to a manhole or signs of an SSOs should call 545-3300 and report it.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

FEMA Disaster Recovery Centers (Updated Locations)

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.

The following FEMA Disaster Recovery Centers are now open:

- **Main Library** - 1431 Assembly St, Columbia, SC 29201
 Phone: (803) 799-9084
 Hours of Operation:
 Mon-Thurs: 9 a.m. – 9 p.m.
 Fri – Sat: 9 a.m. – 6 p.m.

Sun: 2 p.m. – 6 p.m.

- **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.

- **Eastover Library** - 608 Main St, Eastover, SC 29044
Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

FEMA Ineligibility Letters

Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency saying they are ineligible for disaster assistance. For more details, visit <https://www.fema.gov/news-release/2015/10/15/fema-ineligibility-letters-may-not-be-last-word>

Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant’s Handbook sent to everyone who registered with FEMA. More information is available in the “Help After a Disaster Booklet.” [Click Here](#)

Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at [800-621-3362](tel:800-621-3362). Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, [800-462-7585](tel:800-462-7585). Applicants may also register online at with any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to “apply online for federal assistance.” Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste

- To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up on the City’s website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Pet Safety during Flood Recovery

- The Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. Keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call 803-776-PETS.

After the Flood Basics provided by FloodSmart.gov

[Download tips on flood basics, hazards, insurance claims and clean up.](#)

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time
- Citizens and/or businesses wishing to donate food or water may bring these items to the **Columbia Fire Department** at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** continue coordinating donations and volunteers, for more information, call 1-888-585-9643.

United Way of the Midlands Seeking Volunteer Data

United Way of the Midlands is seeking help in collecting volunteer-service data in Richland and Lexington Counties and City of Columbia to help ensure a federal match to relieve the cost of recovery efforts in the area.

State and local governments are able to request for federal relief and recovery funds once it has been declared a disaster area. Volunteer hours may have to be submitted for consideration for federal assistance. The type of data requested includes hours served and the type of project.

Any organization or individuals who have volunteered time without compensation to disaster relief are encouraged to record their service to the United Way. This information will not be used by the United Way to solicit donations or volunteers.

There are three easy ways to share your volunteer experience:

1. Fill out a brief online form: <http://uwmidlands.wufoo.com/forms/individual-flood-volunteer-information>.
2. If you volunteered several days or plan to volunteer long-term, [download the form](#) and submit it to cseal@uway.org.
3. If you represent an organization that deployed volunteers, email your volunteer information to cseal@uway.org.

For more information, please visit www.uway.org/scflood.

Additional Notes

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Thursday, October 29, 2015

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Boil Water Advisory: Issued 10.28.15

The City of Columbia Water Works advises the water customers of **Chippewa Drive** located in **Richland** County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a **four inch water main break**. This could possibly result in bacterial contamination of the water on **Chippewa Drive**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620. Restaurants and Hotels only may contact the SC Restaurant and Lodging Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

Temporary Walk-up Flood Repair Stations at Washington Square

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Flood Damaged Property - Building Permit Information

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- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

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All activities scheduled inside the community center will continue as normal.

The green space is still accessible for individual usage.

Riverfront Park to Remain Closed for Repairs

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The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

Utilities and Engineering Update

Canal Repair

- Canal rock dam construction is complete.
- Contractor continues working to address upstream bank stabilization. Expect repairs to continue at least through this week (week of Oct. 26).
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Water Plants

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- Completed Monday, Oct. 5 – Monday, Oct.26
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 - 8" Trenholm and Cary
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 - Equalization basin is at 118.8 ft. This is within the normal operating range; 115.5 ft. is empty. Max is 134-135.
 - Solids dewatering is running.
 - Received a delivery of sodium bisulfite.
- Collection system
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)

- West Columbia Pump Station
 - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Pump #1 has been repaired and is back to normal operation.
 - Saluda River Pump Station – Two hydro packs were damaged during the floods. Godwin has picked them up and is taking them to their facility for damage assessment.
 - Crane Creek Temporary Bypass System
 - Still need one (1) more replacement pump.
 - Repairs are ongoing to 24” bypass line. Still need to bolt up both sides of the 24” bypass line located at Crane Creek. This will be done when aerial bridge is restored.
 - Check valves were set at vault.
 - The work was stopped due to rain.
 - Sanitary Sewer Overflows
 - SSO at 200 Candi Lane – Caused by Blockage in 42” interceptor. G.H. Smith is currently installing the bypass. It should be operational by this weekend.
 - Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Obtained invoice for repair from contractor.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40’. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Jody and I met with the home owner yesterday morning. The service line is currently discharging grey water and not domestic wastewater. We will need to set up a meeting with the City Engineer and U&E director to assess the situation and develop an action plan.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8” DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42” Gravity Sewer and creek has washed bedding away. Staff currently working on procurement package for this repair.
 - West Columbia 42” Interceptor Blockage/Repair –Bids were received on Monday. G.H. Smith Construction has submitted a construction schedule that indicates the bypass will be operational by the weekend
 - Gills Creek Manhole on 54” Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
 - 7645 Garner’s Ferry Road Repair – Approx. 60’ of aerial sewer lateral has been washed out. Site visit on 10-13-14. Sending location of service line to Real Estate Services to verify ownership.
 - Quail Creek Repair – Repair made by contractor – Obtained invoice for repair from contractor.
 - Reflections Repair – Repair made by contractor – Obtained invoice for repair from contractor.
 - 1400 Shop Road Blockage – 12” Lined gravity sewer over 15’ deep has a blockage – Emergency package is complete and distributed to bidders. This bid was held up due to finalizing procurement methods/documents. I will try to move this forward today.

- 320 Northwood St Point Repair – A section of 8” gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs. Staff is finalizing the procurement package
- Various Erosion Control and Creek Crossing Repairs – U&E received a list of 13 locations where gravity sewer system repairs are needed. We will be working with Contracts Administration to move forward with these repairs under a design build agreement.

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
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Wastewater Tip Sheet for Flood Recovery

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SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

FEMA Disaster Recovery Centers (Updated Locations)

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.

The following FEMA Disaster Recovery Centers are now open:

- **Main Library** - 1431 Assembly St, Columbia, SC 29201
Phone: (803) 799-9084
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
- **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
- **Eastover Library** - 608 Main St, Eastover, SC 29044
Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

FEMA Ineligibility Letters

Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency saying they are ineligible for disaster assistance. For more details, visit <https://www.fema.gov/news-release/2015/10/15/fema-ineligibility-letters-may-not-be-last-word>

Applicants who wish to appeal a decision may do so in writing within 60 days from the date the ineligibility letter was received. Guidelines for appeals can be found in the Applicant's Handbook sent to everyone who registered with FEMA. More information is available in the "Help After a Disaster Booklet." [Click Here](#)

Flood survivors who need to update their application information or have any questions about disaster assistance can call the FEMA Helpline at [800-621-3362](tel:800-621-3362). Phone lines are open from 7 a.m. to 10 p.m. Eastern time, seven days a week until further notice. Individuals with hearing difficulties can use the TTY number, [800-462-7585](tel:800-462-7585). Applicants may also register online at with

any computer, smartphone or tablet at www.DisasterAssistance.gov. Follow the link to “apply online for federal assistance.” Survivors may also choose to visit a Disaster Recovery Center (DRC) in their county. DRCs are currently open seven days a week, from 8 a.m. to 7 p.m.

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Solid waste

- To stay informed on Solid Waste services, residents can download the free “Columbia, SC Solid Waste” app on iPhone and Android or sign up on the City’s website for notifications via email, phone call or text message, among other options.
- For more information or to report lost roll carts, please visit <http://www.columbiasc.net/solid-waste> or call the Solid Waste Division at 803-545-3800.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Pet Safety during Flood Recovery

- The Columbia Animal Shelter advises pet owners to take precautionary measures to keep pets safe after the flood. Keep pets away from contaminated areas or areas filled with debris. Inspect the area around your house and yard for hazards such as sharp objects, dangerous materials and live wires.
- If a pet was lost during the flood please continue to check with the Columbia Animal Shelter daily.
- For more information regarding pet safety or pet care, please call 803-776-PETS.

After the Flood Basics provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time
- Citizens and/or businesses wishing to donate food or water may bring these items to the **Columbia Fire Department** at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** continue coordinating donations and volunteers, for more information, call 1-888-585-9643.

United Way of the Midlands Seeking Volunteer Data

United Way of the Midlands is seeking help in collecting volunteer-service data in Richland and Lexington Counties and City of Columbia to help ensure a federal match to relieve the cost of recovery efforts in the area.

State and local governments are able to request for federal relief and recovery funds once it has been declared a disaster area. Volunteer hours may have to be submitted for consideration for federal assistance. The type of data requested includes hours served and the type of project.

Any organization or individuals who have volunteered time without compensation to disaster relief are encouraged to record their service to the United Way. This information will not be used by the United Way to solicit donations or volunteers.

There are three easy ways to share your volunteer experience:

4. Fill out a brief online form: <http://uwmidlands.wufoo.com/forms/individual-flood-volunteer-information>.
5. If you volunteered several days or plan to volunteer long-term, [download the form](#) and submit it to cseal@uway.org.
6. If you represent an organization that deployed volunteers, email your volunteer information to cseal@uway.org.

For more information, please visit www.uway.org/scflood.

Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Friday, October 30, 2015

A daily brief will be available through the first week of November 2015. Additional updates on the City's flood recovery will be provided via our website at ColumbiaSC.net and the City's official [Twitter](#) & [Facebook](#).

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 29

Status	Road Name	From	To	Comments
OPEN	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	
OPEN	North Main Street	Sunset Drive	Anthony Street	
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	
OPEN	Fort Jackson Blvd	Wildcat Road	Devine Street	
OPEN	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
OPEN	Percival Road	Smallwood Road	Greenmill Road	
Closed	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
OPEN	Lost Creek Drive	Gauley Drive	Grove Hall	
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peoples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	

OPEN	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Boil Water Advisory: Issued 10.28.15

The City of Columbia Water Works advises the water customers of **Chippewa Drive** located in **Richland** County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a **four inch water main break**. This could possibly result in bacterial contamination of the water on **Chippewa Drive**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620. Restaurants and Hotels only may contact the SC Restaurant and Lodging Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8 am-5 pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division has begun advertising the October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Martin Luther King, Jr. Park Green Space Closed for Special Event Usage Only

The City of Columbia Parks and Recreation Department announced that the green space at Martin Luther King, Jr. Park is closed to special event usage due to the damage caused by the October 2015 Flood.

The park's community center remains open to visitors; however, all special events have been moved from the park until further notice.

All activities scheduled inside the community center will continue as normal.

The green space is still accessible for individual usage.

Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

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SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

FEMA Disaster Recovery Centers (Updated Locations)

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Phone: (803) 799-9084
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
- **South East Library** - 7421 Garners Ferry Rd, Columbia, SC 29209
Phone: (803) 776-0855
Hours of Operation:
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Fri – Sat: 9 a.m. – 6 p.m.
Sun: 2 p.m. – 6 p.m.
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Phone: (803) 353-8584
Hours of Operation:
Mon-Thurs: 9 a.m. – 9 p.m.
Fri – Sat: 9 a.m. – 6 p.m.
Sun: CLOSED

FEMA Ineligibility Letters

Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency saying they are ineligible for disaster assistance. For more details, visit <https://www.fema.gov/news-release/2015/10/15/fema-ineligibility-letters-may-not-be-last-word>

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Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

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- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
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Pet Safety during Flood Recovery

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After the Flood Basics provided by FloodSmart.gov

[Download](#) tips on flood basics, hazards, insurance claims and clean up.

Donations and Volunteers

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Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Monday, November 2, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 30

Status	Road Name	From	To	Comments
OPEN	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	-
OPEN	North Main Street	Sunset Drive	Anthony Street	-
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	-
OPEN	Fort Jackson Blvd	Wildcat Road	Devine Street	
OPEN	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
OPEN	Percival Road	Smallwood Road	Greenmill Road	
OPEN	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
OPEN	Lost Creek Drive	Gauley Drive	Grove Hall	
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
Closed	Parkside Drive	North Main Street	Earlewood Park	Bridge Out
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peebles Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
OPEN	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Repeal of Boil Water Advisory: Issued 11.01.15

To the Water Customers of Amicks Ferry Road area in Chapin South Carolina, Including Zion Church Road, Broomstraw Road, Hufield Road and all of Turkey Farm Subdivision (Turkey Beard Court, Turkey Ridge Court, Turkey Ridge Drive, Turkey Pointe Lane, Tail Feather Way)

11/1/15

The City of Columbia Water Works advises the water customers of the Amicks Ferry Road area in Chapin South Carolina, Including Zion Church Road, Broomstraw Road, Hufield Road and all of Turkey Farm Subdivision (Turkey Beard Court, Turkey Ridge Court, Turkey Ridge Drive, Turkey Pointe Lane, Tail Feather Way), located in Lexington County ,that they no longer need to boil their water prior to drinking or cooking.

Following an intense flushing of the distribution system, bacteriological samples were collected and analyzed by the City of Columbia Water Works. The results of this sampling indicate that the system is safe to use for drinking and cooking purposes.

Should you have any questions concerning this repeal of the Boil Water Advisory, you may call the City of Columbia Customer Care Call Center at 545-3300.

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8 am-5 pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.

- Do you have the green light to get a building permit for your flood-damaged property? [CLICK HERE](#) for details.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

- The City of Columbia's Purchasing Division has begun advertising the October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. We strongly encourage you to visit our website often for new procurement opportunities and updates to recent postings.
- To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Martin Luther King, Jr. Park Green Space Closed for Special Event Usage Only

The City of Columbia Parks and Recreation Department announced that the green space at Martin Luther King, Jr. Park is closed to special event usage due to the damage caused by the October 2015 Flood.

The park's community center remains open to visitors; however, all special events have been moved from the park until further notice.

All activities scheduled inside the community center will continue as normal. The green space is still accessible for individual usage.

Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

Utilities and Engineering Update

Canal Repair

- Canal rock dam construction is complete.
- Contractor continued working to address upstream bank stabilization. Contractor is making final repairs on largest area this week; anticipate completion by the end of the week.
- Anticipate raising water level pending the completion of the stabilization above. Expected to take 24 hours to reach a normal pool of 148 ft. elevation (4-5 ft. below previous normal elevation). Reduction in level is due to less flow in the canal and the spillway being lowered during the event in an attempt to reduce flows and lower the water elevation during repairs.
- Contractor working at the headgates was authorized to begin fabricating the bulkheads for each gate. The bulkheads are a preventive measure to help control the flow into the canal should any of the gates fail. They began fabrication this week; began setting the bulkheads on Friday, Oct. 30. The anticipated completion of the bulk heads by Nov. 20 barring no issues.
- The Federal Energy Regulatory Commission inspected the Canal on Tuesday, Oct. 20, and Friday, Oct. 23. FERC will return when the water levels are raised.
- Bypass pumping continues and will continue until Canal levels can be raised, likely through the first full week of November. They will remain set up until the canal level is brought up and there have been a week or two of no pumping issues.

Water Plants

- The operation of the WTPs remains stable. The Canal WTP continues to rely upon the diesel driven pumps pulling from the Broad River and also from the Canal to deliver supply to the raw water reservoir. The operation of the distribution has returned to normal, as evidenced by the relatively equal finished water flow split between the plants.

Lake Murray WTP – Normal operation. Pumpage from midnight to midnight:

- o Oct. 30: 27 million gallons
- o Oct. 31: 25 million gallons
- o Nov. 1: 25 million gallons
- Canal WTP – Pumpage from midnight to midnight:
 - o Oct. 30: 35 million gallons raw water; 28 million gallons finished water
 - o Oct. 31: 33 million gallons raw water; 28 million gallons finished water
 - o Nov. 1: 33 million gallons raw water; 27 million gallons finished water

Water Distribution

- Completed Monday, Oct. 5 – Monday, Oct.26
 - o Bluff Road south of Pineview
 - o 12” at Lostcreek
 - o Tall Pines Circle off South Beltline
 - o 8” Trenholm and Cary
 - o Earlewood at Sunset
 - o Quail Hill Subdivision
 - o 16” at Kings Grant
 - o Monticello and Blue Ridge Terrace
 - o Hunt Club Road
 - o 510 Lakeside Avenue
 - o Beaver Dam Road

- 300' section out along Caughman Road from Benson to Dominion
- 10" break on Forest between Trenholm & Percival
- Audobon Oaks break caused by construction. Line has been repaired.
- 3200 Fernandina Road – checked line. No break to repair.
- 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
- Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
- Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
- 24" on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.
- Covenant Road – Collapsed road caused a water main to fall Wednesday evening, Oct. 20. Break has been isolated. Chose to have City crews repair the break rather than using a contractor.
 - Follow up repairs (all lines below have been isolated)
- 12" Trenholm and Rockbridge – Had been previously isolated. Awaiting SCDOT updates before moving forward with contractor bid for design of final repairs.
- Overcreek – 6" broke in half at dam breach. Had been previously isolated. Awaiting SCDOT updates before moving forward with contractor bid for design of final repairs.
- 18" line break between South Beltline and Veterans – Had been previously isolated. Awaiting contractor bid for design of final repairs.
- 6" at East Shore – Found the line laying in the creek. Was isolated before it was found. Awaiting SCDOT updates before moving forward with contractor bid for design of final repairs.

Wastewater

Metro Plant

- The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 46.18 million gallons. Average is 32 million gallons per day.
- Influent flow for the previous 24 hr. period was 56.42 million gallons. Average is 43 million gallons per day. IPS wetwell level at 105.2 ft. elevation.
- Equalization basin is at 117.8 ft. This is within the normal operating range; 115.5 ft. is empty. Max is 134-135.
- Solids dewatering is running.

Collection system

Pump Stations

- Lift Station staff has returned to normal inspections and completion of standard SOPs
- East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
- West Columbia Pump Station - Pump #3 remains out of service (pump sent to Flygt for repairs)

Crane Creek Temporary Bypass System

- Continued fine grading fine slopes
- Installed erosion control mats on pump side of berm
- Sanders Welding completed the welding of the steel bridge over crane creek
- Should set the remainder of the pumps the first part of this week

Sanitary Sewer Overflows

- SSO at 200 Candi Lane – Caused by Blockage in 42" interceptor. G.H. Smith is currently installing the bypass. It should be operational by Nov. 3, weather permitting.

Location of Contractor Repairs:

- Caughman Road Main Line Repair – Obtained invoice for repair from contractor.
- Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
- 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Jody and I met with the home owner yesterday morning. The service line is currently discharging grey water and not domestic

wastewater. We will need to set up a meeting with the City Engineer and U&E director to assess the situation and develop an action plan.

- Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently by-passing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
- 720 Rising Hopes Repair – Tree is located on 42" gravity sewer and creek has washed bedding away. Staff currently working on procurement package for this repair.
- West Columbia 42" Interceptor Blockage/Repair – G.H. Smith Construction has submitted a construction schedule that indicates the bypass will be operational by 11-3-2015 (weather dependent)
- Gills Creek Manhole on 54" Near I-77 Repair – Manhole cone and riser section has been knocked over. Final repairs have been made.
- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Site visit on 10-13-14. Sending location of service line to Real Estate Services to verify ownership.
- Quail Creek Repair – Repair made by contractor. Obtained invoice for repair from contractor.
- Reflections Repair – Repair made by contractor. Obtained invoice for repair from contractor.
- 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage – Emergency package is complete and distributed to bidders. This bid was held up due to finalizing procurement methods/documents. Bids are scheduled to be received next week.
- 320 Northwood St Point Repair – A section of 8" gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs. Staff is finalizing the procurement package
- Various Erosion Control and Creek Crossing Repairs – U&E received a list of 13 locations where gravity sewer system repairs are needed. We will be working with Contracts Administration to move forward with these repairs under a design build agreement. Engineering staff is currently visiting sites and determining course of action at each repair/work location.

Floodplain

First Floor Washington Square

- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Open Houses

City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).

- Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.

- Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
- Two additional open houses held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.
- Additional open house in partnership with Richland County held on Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.
- The tips include:
 - Contact Companion Property & Casualty at 1-800-827-5794 if you believe your property was damaged by a sewage back-up.
 - Sanitary sewage and septage haulers should use the City of Cayce Septage Facility until further notice. Extended hours are available as Cayce works with the City of Columbia to assist local haulers.
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10. Fill out a brief online form: <http://uwmidlands.wufoo.com/forms/individual-flood-volunteer-information>.

11. If you volunteered several days or plan to volunteer long-term, [download the form](#) and submit it to cseal@uway.org.
12. If you represent an organization that deployed volunteers, email your volunteer information to cseal@uway.org.

For more information, please visit www.uway.org/scflood.

Additional Notes

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Wednesday, November 3, 2015

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Canal Repair

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- Contractor continued working to address upstream bank stabilization. Contractor is making final re

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Water Distribution

- Completed Monday, Oct. 5 – Monday, Oct.26
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 - Tall Pines Circle off South Beltline
 - 8" Trenholm and Cary
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Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 45.46 million gallons. Average is 32 million gallons per day.
 - Influent flow for the previous 24 hr. period was 54.56 million gallons. Average is 43 million gallons per day. IPS wetwell level at 105.1 ft. elevation.
 - Equalization basin is at 118.9 ft. This is within the normal operating range; 115.5 ft. is empty. Max is 134-135.
 - Solids dewatering is running.
- Collection system
 - Lines inspected with CCTV – 2,913 feet
 - Lines cleaned – 3,391 feet
 - Easements inspected – Various areas inspected. Issue located at 1323 Sunny Side
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Crane Creek Temporary Bypass System
 - The bypass line was filled and the Contractor started to bleed off the air
 - Due to the rain, three pumps had to be temporarily removed due to the openings in the pump out vaults flooding the site. The unsealed openings are due to the work needed to install the bypass suction piping and were not closed in time for the rising water in the existing gravity main caused by upstream I&I.
 - Construction Management staff kept an open line of communication throughout the day's events.
 - Sanitary Sewer Overflows
 - SSO at 200 Candi Lane – Caused by Blockage in 42" interceptor. G.H. Smith is currently installing the bypass. It should be operational by Nov. 3, weather permitting.
 - 4308 Euclid – Bypass set on Nov. 2. Contractor to be completing repairs.
 - Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Obtained invoice for repair from contractor.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Wastewater staff met with the home owner

r. The service line is currently discharging grey water and not domestic wastewater. Will need to set up a meeting with the City Engineer and U&E director to assess the situation and develop an action plan.

- Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently bypassing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
- 720 Rising Hopes Repair – Tree is located on 42" gravity sewer, and creek has washed bedding away. Staff is currently working on a procurement package for this repair.
- West Columbia 42" Interceptor Blockage/Repair – G.H. Smith Construction has submitted a construction schedule that indicates the bypass will be operational by Nov. 3, weather permitting.
- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Sending location of service line to Real Estate Services to verify ownership.
- 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage. Emergency package is complete and distributed to bidders. This bid was held up due to finalizing procurement methods/documents. Bids are scheduled to be received next week.
- 320 Northwood St Point Repair – A section of 8" gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs. Final review of procurement package will be Nov. 3, then forwarded to procurement.
- Various Erosion Control and Creek Crossing Repairs – U&E received a list of 15 locations where gravity sewer system repairs are needed. We will be working with Contracts Administration to move forward with these repairs under a design build agreement. Engineering staff has separated the project in two categories. Category one (first priority) is pipe repair and category two is erosion control/asset protection (second priority). We are moving forward with the procurement package for category one.

Open Houses

City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).

- Held first open house on Tuesday, October 13, 2015, from 6-8 PM at Bible Way Church's C.R. Neal Dream Center; estimated 50 people in attendance.
- Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
- Held two additional open houses on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.
- Most recent open house held on Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.

The following FEMA Disaster Recovery Centers are now open:

Main Library - 1431 Assembly St, Columbia, SC 29201

Phone: (803) 799-9084

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: 2 p.m. – 6 p.m.

South East Library - 7421 Garners Ferry Rd, Columbia, SC 29209

Phone: (803) 776-0855

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: 2 p.m. – 6 p.m.

Eastover Library - 608 Main St, Eastover, SC 29044

Phone: (803) 353-8584

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: Closed

FEMA Ineligibility Letters

Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency saying they are ineligible for disaster assistance. For more details, visit <https://www.fema.gov/news-release/2015/10/15/fema-ineligibility-letters-may-not-be-last-word>

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets

trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.

- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time
- Citizens and/or businesses wishing to donate food or water may bring these items to the **Columbia Fire Department** at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** continue coordinating donations and volunteers, for more information, call 1-888-585-9643.

United Way of the Midlands Seeking Volunteer Data

United Way of the Midlands is seeking help in collecting volunteer-service data in Richland and Lexington Counties and City of Columbia to help ensure a federal match to relieve the cost of recovery efforts in the area.

State and local governments are able to request for federal relief and recovery funds once it has been declared a disaster area. Volunteer hours may have to be submitted for consideration for federal assistance. The type of data requested includes hours served and the type of project.

Any organization or individuals who have volunteered time without compensation to disaster relief are encouraged to record their service to the United Way. This information will not be used by the United Way to solicit donations or volunteers.

There are three easy ways to share your volunteer experience:

13. Fill out a brief online form: <http://uwmidlands.wufoo.com/forms/individual-flood-volunteer-information>.
14. If you volunteered several days or plan to volunteer long-term, [download the form](#) and submit it to cseal@uway.org.
15. If you represent an organization that deployed volunteers, email your volunteer information to cseal@uway.org.

For more information, please visit www.uway.org/scflood.

Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Thursday, November 4, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 30

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 - Influent flow for the previous 24 hr. period was 63 million gallons. Average is 43 million gallons per day. IPS wetwell level at 106.11 ft. elevation.
 - Equalization basin is at 120.4 ft. This is within the normal operating range; 115.5 ft. is empty. Max is 134-135.
 - Solids dewatering is running.
 - The Final Effluent is flooded due to the river level being higher than normal. The lab was unable to sample because the contact basin on T1 baffles are flooded.
 - Metro Lane and Whitehouse Road intersection is currently flooded. This is located on the south side of I-77. Staff is monitoring water levels.
 - There are currently no concerns for staff accessibility to the plant. Simmon Tree Road and the surrounding fields are not flooded at this time.
- Collection system: UPDATED
 - Lines inspected with CCTV – 4,295 feet
 - Lines cleaned – 3,391 feet
 - Easements inspected – Various areas inspected.
 - Pump Stations
 - Lift Station staff has returned to normal inspections and completion of standard SOPs
 - North Columbia Pump Station – Operating with all 6 pumps at 100%. Previous damage caused by flooding has increased I&I levels in this basin. Engineering and wastewater maintenance staff are currently assessing and addressing this issue.
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station
 - River levels have risen and surrounded the pump station. Pump station is designed for this eventuality.
 - Pump #3 remains out of service (pump sent to Flygt for repairs)
 - Crane Creek Temporary Bypass System
 - The bypass line pressure testing will begin today
 - Construction management has indicated that the source of additional I&I on the Crane Creek Interceptor needs to be found and repaired prior to the completion of the rebuild of this pump station.
 - Sanitary Sewer Overflows
 - SSO at 200 Candi Lane – Caused by Blockage in 42" interceptor. G.H. Smith began o

- operating one bypass pump yesterday. The second bypass pump is schedule to be online today.
 - 5081Brickyard Rd – Started at 10:01pm on Nov. 2. Currently still active (Crane Creek Interceptor Near I-20)
 - Peebles – Started at 3:15 pm on Nov. 3. Currently still active (Crane Creek Interceptor Near I-20)
 - Location of Contractor Repairs: UPDATED
 - Caughman Road Main Line Repair – Obtained invoice for repair from contractor.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Wastewater staff met with the homeowner. The service line is currently discharging grey water and not domestic wastewater. Will need to set up a meeting with the City Engineer and U&E director to assess the situation and develop an action plan.
 - Crane Creek Barony Connection Repair - +/- 80 LF of 8" DIP aerial crossing was damaged. WWM staff currently bypassing. Assessed by engineering staff on 10-13-12. Aerial crossing damaged, but is currently being bypassed. Optional repairs are being considered. This crossing will be redesigned and bid.
 - 720 Rising Hopes Repair – Tree is located on 42" gravity sewer, and creek has washed bedding away. Staff is currently working on a procurement package for this repair.
 - West Columbia 42" Interceptor Blockage/Repair – G.H. Smith Construction has submitted a construction schedule that indicates the bypass will be operational by Nov. 4, weather permitting. The contractor was operating one bypass pump on Nov. 3.
 - 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Sending location of service line to Real Estate Services to verify ownership.
 - 1400 Shop Road Blockage – 12" Lined gravity sewer over 15' deep has a blockage. Emergency package is complete and distributed to bidders. This bid was held up due to finalizing procurement methods/documents. Bids are scheduled to be received Nov. 4.
 - 320 Northwood St Point Repair – A section of 8" gravity sewer was determined to be damaged by WWM staff. The repair is on a very steep slope and WWM staff has requested contractual help to make the needed repairs. Scheduled to go to procure ment on Nov. 4.
 - Various Erosion Control and Creek Crossing Repairs – U&E received a list of 15 locations where gravity sewer system repairs are needed. We will be working with Contracts Administration to move forward with these repairs under a design build agreement. Engineering staff has separated the project in two to categories. Category one (first priority) is pipe repair and category two is erosion control/asset protection (second priority). We are moving forward with the procurement package for category one.
 - 4300 Euclis – Mainline in Creek Crossing
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 - 315 Tyler St – 8" mainline needs CIP from Manhole to Manhole (not flood related)
 - 2907 Two Notch – Broken Mainline Manhole 28968 to 08971 and 08971 to 08963

Floodplain

- First Floor Washington Square
 - The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
 - Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.
- Open Houses
 - City of Columbia flood repair assistance staff will also be joined by Richland County floodplain staff at the two off-site open houses later this week. Both City and County staff will answer questions about the flood repair process and hand out forms. Permit applications will not be accepted at the open houses. City permits can only be issued at Washington Square (1136 Washington Street).
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 - Held second open house on Thursday, October 15, 2015, from 6-8 PM at Kilbourne Park Baptist Church's Annie Green Building; estimated 100 people in attendance.
 - Two additional open houses held on Monday, Oct. 19
 - 5 p.m. to 6:30 p.m., Woodland Park; estimated 15 people in attendance.
 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.
 - Additional open house in partnership with Richland County held on Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School; estimated 50 people in attendance.
 - Two more flood repair meetings will be held the week of Nov. 9:
 - Monday, Nov. 9 from 5:30-7:30 for residents of Burwell & Rickenbaker. Tentative location – Heathwood Park
 - Wednesday, Nov. 11 from 5:30-7:30 for. Tentative location – Whole Foods Market

Open Houses

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- Most recent open house held on Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.

The following FEMA Disaster Recovery Centers are now open:

Main Library - 1431 Assembly St, Columbia, SC 29201

Phone: (803) 799-9084

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: 2 p.m. – 6 p.m.

South East Library - 7421 Garners Ferry Rd, Columbia, SC 29209

Phone: (803) 776-0855

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: 2 p.m. – 6 p.m.

Eastover Library - 608 Main St, Eastover, SC 29044

Phone: (803) 353-8584

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: Closed

FEMA Ineligibility Letters

Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency saying they are ineligible for disaster assistance. For more details, visit <https://www.fema.gov/news-release/2015/10/15/fema-ineligibility-letters-may-not-be-last-word>

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.

- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time
- Citizens and/or businesses wishing to donate food or water may bring these items to the **Columbia Fire Department** at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** continue coordinating donations and volunteers, for more information, call 1-888-585-9643.

United Way of the Midlands Seeking Volunteer Data

United Way of the Midlands is seeking help in collecting volunteer-service data in Richland and Lexington Counties and City of Columbia to help ensure a federal match to relieve the cost of recovery efforts in the area.

State and local governments are able to request for federal relief and recovery funds once it has been declared a disaster area. Volunteer hours may have to be submitted for consideration for federal assistance. The type of data requested includes hours served and the type of project.

Any organization or individuals who have volunteered time without compensation to disaster relief are encouraged to record their service to the United Way. This information will not be used by the United Way to solicit donations or volunteers.

There are three easy ways to share your volunteer experience:

16. Fill out a brief online form: <http://uwmidlands.wufoo.com/forms/individual-flood-volunteer-information>.
17. If you volunteered several days or plan to volunteer long-term, [download the form](#) and submit it to cseal@uway.org.
18. If you represent an organization that deployed volunteers, email your volunteer information to cseal@uway.org.

For more information, please visit www.uway.org/scflood.

Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open

Friday, November 6, 2015

The following is a status update for the City of Columbia's incident response to the October floods. Timeframes are noted below for each section.

Road Closures as of Oct. 30

Status	Road Name	From	To	Comments
OPEN	North Main Street	Albemarle Road	Craven Street	
OPEN	North Main Street	Mason Road	Wilkes Road	
OPEN	Jarvis Klapman Blvd	West Columbia	Huger Street	-
OPEN	North Main Street	Sunset Drive	Anthony Street	-
OPEN	Sunset Drive	N. Main	Abingdon Road	
Closed	Pinebelt Road	Godbold Court	Winsor Hills Drive	
Closed	Foxhall Road	Chinaberry Drive	Quitman Drive	
OPEN	Taylor Street	Sumter Street	Marion Street	
OPEN	Marion Street	Taylor Street	Hampton Street	
OPEN	Sumter Street	Taylor Street	Hampton Street	
OPEN	Devine Street	Fort Jackson Blvd	Wildcat Road	-
OPEN	Fort Jackson Blvd	Wildcat Road	Devine Street	
OPEN	Crowson Road	Devine Street	Fort Jackson Blvd	
OPEN	Trenholm	Wyndham Drive	Adger Road	
OPEN	N. Beltline Blvd	Buchanan Drive	Falcon Drive	
OPEN	Percival Road	Smallwood Road	Greenmill Road	
OPEN	Parkman Drive	Bannockburn Drive	Roslyn Drive	
Closed	Lost Creek Drive	Lake Front Drive	Chestnuthill Plantation	
OPEN	Lost Creek Drive	Gauley Drive	Grove Hall	
OPEN	Jim Hamilton Blvd	Airport Drive	S. Ott Road	
OPEN	Parkside Drive	North Main Street	Earlewood Park	
Closed	Spears Creek Church Rd	Jacobs Mill Road	Earth Road	

Arteries Leading into the City

OPEN	Monticello Road	Peeples Street	I-20	
OPEN	S. Beltline Blvd	Shop Road	Plowden Road	
OPEN	Bluff Road	I-77	Bluff Road	
Closed	Fontaine Road	Two Notch Road	277	
OPEN	Forest Drive	Trenholm Road	Gregg Pkwy	
Closed	Wilson Blvd	Koon Store Road	Hardscrabble Road	
Closed	Brickyard Road	Peebles Street	I-20	
Closed	Fairfield Road	Sharpe Road	Crane Church Road	

The City and [SCDOT](#) are working closely to provide updates on a daily basis.

Boil Water Advisory: Issued 11.05.15

The City of Columbia Water Works advises the water customers of the 1400-1700 blocks of Bon Air Drive, including Eastover Street and Hutchinson Street, located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a six inch line break. This could possibly result in bacterial contamination of the water on the 1400-1700 blocks of Bon Air Drive, including Eastover Street and Hutchinson Street. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

The City of Columbia Water Works is presently working to correct the problem.

All food processors and restaurants should comply with prescribed USDA and SC DHEC recommendations, respectively. Should you have any questions pertaining to this advisory, please call the Lexington/Richland County Environmental Services at 896-0620. Restaurants and Hotels only may contact the SC Restaurant and Lodging Association at 765-9000.

Questions concerning healthcare facilities such as hospitals, nursing homes, and assisted living facilities should be directed to the SC DHEC Division of Health Licensing at 545-4370.

The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

Boil Water Advisory: Issued 11.04.15

The City of Columbia Water Works advises the water customers of **Nannyberry Lane, Glencroft Drive, Chablis Drive, Barrique Lane in the Springhaven subdivision** located in Richland County, to vigorously boil their water for at least one (1) full minute prior to drinking or cooking. Also, any residents near the affected area who have lost water and/or water pressure are also advised to vigorously boil their water for at least one (1) full minute prior to drinking or cooking.

The City of Columbia has experienced a relocation of an 8" eight inch water main. This could possibly result in bacterial contamination of the water on **Nannyberry Lane, Glencroft Drive, Chablis Drive, Barrique Lane in the Springhaven subdivision**. Water customers should continue to vigorously boil their water for at least one (1) full minute prior to drinking or cooking until otherwise notified by the City of Columbia Water Works. Also, any ice made from water that has not been boiled should not be used for drinking purposes.

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The City of Columbia Customer Care Call Center, 545-3300, may answer other inquiries concerning this Advisory.

Temporary Walk-up Flood Repair Stations at Washington Square

- The City of Columbia's floodplain office will be temporarily located in the Customer Service Lobby on the first floor of 1136 Washington Street. Staff will provide walk-up assistance to anyone needing to start flood repair work in the City. This service will be available during normal City business hours (M-F, 8 am-5 pm).
- The floodplain office will be set up in a series of stations to walk customers through the City's flood repair and rebuilding permitting process. Homeowners and contractors can learn whether their property is in a floodplain, pick up the permit application packet, determine their property value, have any questions regarding the application process answered, and submit their completed permit applications.
- Free 2 hour parking will be available in the nearby Washington Square Parking Garage on levels 2A and 2B for those seeking flood repair assistance.

Flood Damaged Property - Building Permit Information

- There are very important facts to be aware of before moving forward with any repairs to a flood-damaged home located in the floodplain. Taking steps without accurate information can cost time and money. Please see details below.
- Anyone making repairs to a flood-damaged structure in the City of Columbia needs to get a zoning and building permit from the Development Center. If using the service of a contractor, they must be licensed by the South Carolina Department of Labor, Licensing, and Regulation. More information about the permitting process can be found online at <http://www.columbiasc.net/development-inspections> or by calling (803) 545-3483. For more information on the Floodplain Development Permitting process, please visit <http://www.columbiasc.net/floodplain>.
- [Do you have the green light to get a building permit for your flood-damaged property? CLICK HERE](#) for details.

October 2015 SC Severe Storms and Flooding Procurement Opportunities

The City of Columbia's Purchasing Division has begun advertising the October 2015 SC Severe Storms & Flooding DR4241 competitive procurement opportunities on the City's website. These procurement opportunities will be solicited for various commodities and services needed to support our disaster recovery efforts. The deadlines for receiving responses to our solicitations will depend upon several factors including, but not limited to, the urgency of the needed item or service, the source selection method, the potential contract value, etc. To access Bid Online, visit the [City of Columbia's Purchasing Division page](#).

Water Distribution Sites

The following Water Distribution Sites will remain operational until further notice:

- Lower Richland (2615 Lower Richland Blvd.)
- Campground Road (760 Campground Road) Located at Mt. Pleasant United Methodist Church)

Martin Luther King, Jr. Park Green Space Closed for Special Event Usage Only

The City of Columbia Parks and Recreation Department announced that the green space at Martin Luther King, Jr. Park is closed to special event usage due to the damage caused by the October 2015 Flood.

The park's community center remains open to visitors; however, all special events have been moved from the park until further notice. All activities scheduled inside the community center will continue as normal. The green space is still accessible for individual usage.

Riverfront Park to Remain Closed for Repairs

Riverfront Park, located at 312 Laurel Street, is temporarily closed to the public due to repairs that are needed after the October 2015 flood, the City of Columbia Parks and Recreation Department announced.

The repairs are expected to take up to 30 days.

During this period, guests may visit the following parks, with assigned walking trails, which are open Monday through Sunday from dawn to dusk:

- Granby Park, 100 Catawba St.
- Earlewood Park, 1111 Parkside Dr. (Enter from River Drive)
- Maxcy Gregg Park, 1651 Park Circle
- Drew Park, beside the Charles R. Drew Wellness Center, 2101 Walker Solomon Way

For more information, please call the Parks and Recreation Department at 803-545-3100.

Utilities and Engineering Update

Canal Repair

- Canal rock dam construction is complete.
- Contractor continued working to address upstream bank stabilization. Contractor is making final repairs on largest area this week; anticipate completion by the end of the week.
- Anticipate raising water level pending the completion of the stabilization above. Expected to take 24 hours to reach a normal pool of 148 ft. elevation (4-5 ft. below previous normal elevation). Reduction in level is due to less flow in the canal and the spillway being lowered during the event in an attempt to reduce flows and lower the water elevation during repairs.
- Contractor working at the headgates was authorized to begin fabricating the bulkheads for each gate. The bulkheads are a preventive measure to help control the flow into the canal should any of the gates fail. They began fabrication this week; began setting the bulkheads on Friday, Oct. 30. The anticipated completion of the bulk heads by Nov. 20 barring no issues.
- The Federal Energy Regulatory Commission inspected the Canal on Tuesday, Oct. 20, and Friday, Oct. 23. FERC will return when the water levels are raised.
- Bypass pumping continues and will continue until Canal levels can be raised, likely through the first full week of November. They will remain set up until the canal level is brought up and there have been a week or two of no pumping issues.

Water Plants

- The operation of the WTPs remains stable. The Canal WTP continues to rely upon the diesel driven

pumps pulling from the Broad River and also from the Canal to deliver supply to the raw water reservoir. The operation of the distribution has returned to normal, as evidenced by the relatively equal finished water - flow split between the plants.

- Lake Murray WTP – Normal operation. Pumpage from midnight to midnight for Nov. 4: 28 million gallons
- Canal WTP – Pumpage from midnight to midnight for Nov. : 24 million gallons raw water; 25 million gallons finished water

Water Distribution

- Completed Monday, Oct. 5 – Monday, Oct.26
 - Bluff Road south of Pineview
 - 12” at Lostcreek
 - Tall Pines Circle off South Beltline
 - 8” Trenholm and Cary
 - Earlewood at Sunset
 - Quail Hill Subdivision
 - 16” at Kings Grant
 - Monticello and Blue Ridge Terrace
 - Hunt Club Road
 - 510 Lakeside Avenue
 - Beaver Dam Road
 - 300’ section out along Caughman Road from Benson to Dominion
 - 10” break on Forest between Trenholm & Percival
 - Audobon Oaks break caused by construction. Line has been repaired.
 - 3200 Fernandina Road – checked line. No break to repair.
 - 4220 Shady Lane – Flooded area. Checked after waters receded. No problems to address.
 - Arcadia Lakes – Flooded area. Checked after waters receded. No problems to address.
 - Monticello and Cedar Creek – Flooded area. Checked after waters receded. No problems to address.
 - 24” on Kay Street – Repair completed on Thursday, Oct. 15. Because the pipe needed to be cut for repairs, a boil water advisory was issued. Repealed on Oct. 16.
 - Covenant Road – Collapsed road caused a water main to fall Wednesday evening, Oct. 20. Break has been isolated. Chose to have City crews repair the break rather than using a contractor.
- Follow up repairs (all lines below have been isolated)
 - 12” Trenholm and Rockbridge – Had been previously isolated. Awaiting SCDOT updates before moving forward with contractor bid for design of final repairs.
 - Overcreek – 6” broke in half at dam breach. Had been previously isolated. Awaiting SCDOT updates before moving forward with contractor bid for design of final repairs.
 - 18” line break between South Beltline and Veterans – Had been previously isolated. Awaiting contractor bid for design of final repairs.
 - 6" at East Shore – Found the line laying in the creek, isolated before it was found. Awaiting SCDOT updates before moving forward with contractor bid for design of final repairs.

Wastewater

- Metro Plant
 - The plant remains fully operational. Treated effluent flow for the previous 24 hr period was 62.33 million gallons. Average is 32 million gallons per day.
 - Influent flow for the previous 24 hr. period was 78.19 million gallons. Average is 43 million gallons per day. IPS wetwell level at 105.8 ft. elevation.

- Equalization basin is at 121.99 ft. This is within the normal operating range; 115.5 ft. is empty. Max is 134-135.
- Solids dewatering is running.
- Minor flooding in the fields around the plant and the road leading into the plant.
- Train 1 chlorine contact basins are no longer submerged.
- To conserve inventory of NaOCl, we are trying to maintain a 1.25 mg/L residual on the effluent of the contact basins.
- Received a delivery of NaOCl. Two more truck loads are scheduled to be delivered on Saturday.
- Mag tank will be topped off tomorrow.
- NaHSO₃ tank is at 14.5'
- Polymer is scheduled to be delivered on Nov. 11.
- T1 and Effluent water champs and T2 NaOCl feeder knob were repaired on Nov. 5.

Collection system

- Lines inspected with CCTV – 0 feet
- Lines cleaned – 6,205 feet
- Easements inspected – Various areas inspected.
- Pump Stations
 - Staff is preparing for the wet weather scheduled for this weekend. They are staging generators, refueling, inspecting current stations with by-pass, and visiting pump station sites to ensure they are operating properly
 - East Bluff Pump Station – Pump #2 remains out of service (pump sent to Flygt for repairs)
 - West Columbia Pump Station – Pump #3 remains out of service (pump sent to Flygt for repairs)
- Crane Creek Temporary Bypass System
 - The bypass line pressure testing will continue.
 - Manholes along the project corridor are no longer surcharging.
 - Contractor is re-establishing site controls.
- Sanitary Sewer Overflows
 - SSO at 200 Candi Lane – Caused by Blockage in 42" interceptor. G.H. Smith began operating two of three bypass pumps.
 - 2101 Laurel St – Overflow. Mainline stoppage, knocked out approx. 300 gal
 - 3900 Bentley Dr – Overflow. Mainline and manhole washed out. Put on bypass to ease overflow
- Location of Contractor Repairs:
 - Caughman Road Main Line Repair – Obtained invoice for repair from contractor.
 - Westwood Avenue Easement/Main Line Repair – Issue uncertain at this time. Seeking more information.
 - 110 Summerlea Drive Easement and Lateral Repair – Gills Creek relocated about 40'. WWM staff cannot currently access manhole. Gills Creek has relocated and washed out service line and easement access. Wastewater staff met with the home owner. The service line is currently discharging grey water and not domestic wastewater. Will need to set up a meeting with the City Engineer and U&E director to assess the situation and develop an action plan.
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- 7645 Garner's Ferry Road Repair – Approx. 60' of aerial sewer lateral has been washed out. Sending location of service line to Real Estate Services to verify ownership.
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- 3900 Bently Dr – Mainline and manhole washed out.

- **First Floor Washington Square**

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 - 7 p.m. to 8:30 p.m., M.L. Smith Community Center; estimated 50 people in attendance.

- Most recent open house held on Thursday, Oct. 29 from 5:30 p.m. to 7:30 p.m. at Lower Richland High School; estimated 50 people in attendance.

Wastewater Tip Sheet for Flood Recovery

- To help citizens as they continue their recovery from the historic October 2015 floods, the City of Columbia Department of Utilities & Engineering has released a tip sheet for managing wastewater after the floods. The tip sheet can be found on www.ColumbiaSC.net/Wastewater.

SCDOT's Storm Resources

SCDOT provides numerous online resources to help residents cope with this "Historic Rain Event," visit www.scdot.org/getting/StormResources.aspx.

FEMA Disaster Recovery Centers

A Disaster Recovery Center is a readily accessible facility where applicants may go for information about FEMA or other disaster assistance programs. To find a location near you, please visit the FEMA Disaster Recovery Center Locator website: <http://asd.fema.gov/inter/locator/home.htm>.

The following FEMA Disaster Recovery Centers are now open:

Main Library - 1431 Assembly St, Columbia, SC 29201

Phone: (803) 799-9084

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: 2 p.m. – 6 p.m.

South East Library - 7421 Garners Ferry Rd, Columbia, SC 29209

Phone: (803) 776-0855

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: 2 p.m. – 6 p.m.

Eastover Library - 608 Main St, Eastover, SC 29044

Phone: (803) 353-8584

Hours: Mon-Thurs: 9 a.m. – 9 p.m. | Fri – Sat: 9 a.m. – 6 p.m. | Sun: Closed

FEMA Ineligibility Letters

Some disaster survivors affected by the severe storms and flooding in South Carolina may receive a letter from the Federal Emergency Management Agency saying they are ineligible for disaster assistance. For more details, visit <https://www.fema.gov/news-release/2015/10/15/fema-ineligibility-letters-may-not-be-last-word>

DHEC Providing Additional Locations for More Free Tetanus Vaccinations

- The S.C. Department of Health and Environmental Control (DHEC) is offering no-cost tetanus vaccinations for South Carolinians affected by flooding at state health department locations. To make an appointment for a tetanus vaccination at a health department near you, call 1-800-868-0404.
- DHEC will continue to announce vaccination clinics at www.scdhec.gov as times and locations become available.

Midlands Animal Control/Care Officers Offer Microchip Scanning Services for Displaced Pets

- Due to the recent flooding in the Midlands, there has been an unfortunate rise in displaced pets. The City of Columbia and Richland County governments are committed to helping reunite lost pets with their family.
- The City and Richland County would like to remind residents that animal control/care officers are important resources that are available to help expedite the reuniting process and help pets trying to return home. Officers are equipped with microchip scanners and can be dispatched to your location to scan the lost pet to identify its home and family.
- If you are a resident of Richland County or the City of Columbia and are housing a displaced pet, please contact a local animal control/care office immediately.
- For more information on microchip scanning services, please call the City of Columbia at 803-776-7387 or Richland County at 803-929-6000.

Donations and Volunteers

- **United Way of the Midlands** has set up a flood disaster relief website, visit <http://uway.org/news/give-help-get-help-flood-disaster-relief> for more details.
- Donations of food are being referred to **Harvest Hope Food Bank** located at 2220 Shop Rd in Columbia. *No clothing is requested at this time
- Citizens and/or businesses wishing to donate food or water may bring these items to the **Columbia Fire Department** at 1901 Harden St from 8 a.m. – 10 p.m.
- **Donated Goods and Services of South Carolina** continue coordinating donations and volunteers, for more information, call 1-888-585-9643.

United Way of the Midlands Seeking Volunteer Data

United Way of the Midlands is seeking help in collecting volunteer-service data in Richland and Lexington Counties and City of Columbia to help ensure a federal match to relieve the cost of recovery efforts in the area.

State and local governments are able to request for federal relief and recovery funds once it has been declared a disaster area. Volunteer hours may have to be submitted for consideration for federal assistance. The type of data requested includes hours served and the type of project.

Any organization or individuals who have volunteered time without compensation to disaster relief are encouraged to record their service to the United Way. This information will not be used by the United Way to solicit donations or volunteers.

There are three easy ways to share your volunteer experience:

19. Fill out a brief online form: <http://uwmidlands.wufoo.com/forms/individual-flood-volunteer-information>.
20. If you volunteered several days or plan to volunteer long-term, [download the form](#) and submit it to cseal@uway.org.
21. If you represent an organization that deployed volunteers, email your volunteer information to cseal@uway.org.

For more information, please visit www.uway.org/scflood.

Additional Notes

Shelters: Richland County designated shelters have closed and are now consolidated into one location in Lexington County.

Shelter Name	Address	Status
Trinity Baptist Church	2003 Charleston Highway, Cayce, SC	Open