

STREAMLINE

News and Events at Louisville MSD · October 2017

OUR VISION

Achieving Safe, Clean Waterways
for a Healthy and Vibrant Community



PHOTOS PAGE 1: The intersection of Main and Hancock is the site of a sewer collapse.

Community experiences significant failure of vital wastewater system infrastructure

On Wednesday, August 30, a section of roadway at the intersection of Main and Hancock streets caved in. The collapse was due to a failure in a 102-inch concrete sewer pipe installed in 1948. This section of pipe carries approximately one-third of the wastewater flow generated in Louisville Metro. As such, this piece of infrastructure is vital to the health and environmental safety of the community. Unfortunately, there is no quick or easy fix to problems like these. The repairs lasted nearly six weeks due to the exceptional size and scope of the cave-in.



“This is a significant failure of vital wastewater system infrastructure. There is no quick or easy fix.”

— MSD Executive Director
Tony Parrott

MSD crews secured the area on August 30, closing East Main Street from Clay to Jackson streets and Hancock Street from Billy Goat Strut Alley to East Washington Street.

Hurricanes impact repair

MSD delayed beginning work at the site as meteorologists predicted more than four inches of rain as remnants of Hurricane Harvey reached the area early Friday, September 1. It was best to keep the hole covered during these heavy rains.

Continued on page 2



OUR MISSION

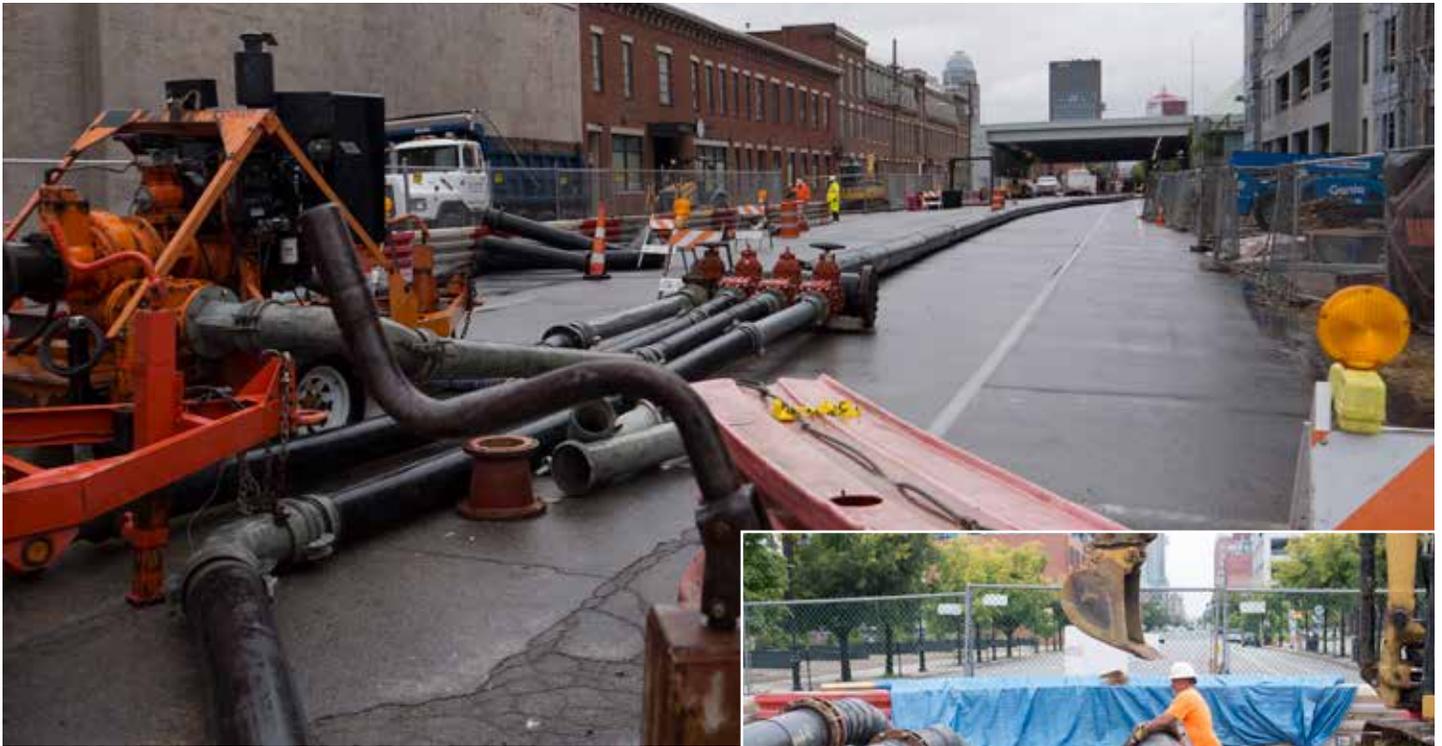
Providing Exceptional Wastewater, Drainage
and Flood Protection Services for Our Community

24/7/365

502.587.0603 · CustomerRelations@LouisvilleMSD.org



vital wastewater infrastructure failure... continued from page 1



ABOVE: One of the three 18-inch temporary sewerlines is in place.

Back-to-back hurricanes Harvey and Irma depleted supplies of large pumps with noise dampening structures nationally. These shortages left MSD with limited options for noise reduction at the site.

Diverting the flow

The first step in the repair process is to establish a “pump-around” to handle the flow. Essentially, this is building a temporary sewer system—on the surface of the roadway—to divert the existing flow around the collapsed section, allowing the repair work to take place. Manholes had to be enlarged and even added to the system. A total of nine pumps and approximately 3,500-feet of pipe were required for the temporary lines. Work on the point of collapse began after this pump-around was complete.

Sliplining the pipe is postponed

Sliplining is inserting a new liner or pipe inside of the older one. Laser scanning equipment was used to inspect the 102-inch pipe to determine the integrity of the line. MSD had drawings and data of the pipeline dating back to 1948. The laser scanning would reveal the present condition and thickness of the line.

With that data, MSD determined that the pipe was in acceptable condition and sliplining could be postponed until completion of the Ohio River Tunnel—which will allow off-loading of the flow with less disruption to the neighborhood and a vital



ABOVE: Work continues to complete the connection of the temporary sewerlines into the main sewer system.



ABOVE: Main Street is full of activity to repair the sewer cave-in.

transportation corridor. The Ohio River Tunnel completion date is December 31, 2020.

The point repair work was completed, and the streets opened to limited traffic on October 6. Full use of the roadways is expected by October 13.

MSD experiences an average of nine cave-ins per month. This one was exceptional in size and scope.



MSD video featured at WEFTEC

A video detailing MSD’s partnership with Leaders Innovation Forum for Technology (LIFT) and MSD staff’s trip to the United Kingdom was showcased during the Water Environment Federation’s Technical Exhibition and Conference (WEFTEC) in Chicago.

“I would like to congratulate MSD Research Director **Zonetta English**, Treatment Facilities Director **Alex Novak** and Process Supervisor-Operations **James Skinner** for representing Louisville MSD so well,” said MSD Executive Director **Tony Parrott**.

MSD was one of 11 public utilities offered the LIFT Scholarship Exchange Experience for Innovation and Technology program (SEE IT). The program allowed English, Novak, and Skinner to travel to wastewater treatment facilities in the UK and observe bio-solid management utilizing thermal hydraulics.

“Spotlighting this video on a national stage demonstrates Louisville and MSD as a leader in the national bio-solids research discussion,” Parrott said. He also extending thanks to Communications staff **Sheryl Lauder** and **Zach Baird** for developing the video in-house. “I am extremely proud of the hard work and dedication of MSD’s staff.”

Customer Compliments

MSD’s **Da’Rius Calloway**, **Lashawn Roberts** and **Denzil Whalin** had to take care of an issue that involved digging up part of my yard. Everyone was nice and did a great job. In fact, the area they seeded looks so good, we purchased the same seed to use on the rest of the yard! Thanks for doing such a great job.

— Stacey Burton

I met with **Eric Toller** about an erosion problem in my yard. He put my mind at ease by carefully explaining the process and how MSD would work to resolve the issue.

— David Adams

Charlotte Whitfield-Baker did an awesome job in assisting me with my backup issue. When I called MSD, she was wonderful and provided very helpful information.

— Victoria Steiger

Project DRI (Drainage Response Initiative) crews will soon begin drainage improvement work on:

- Bashford Avenue
- Chesapeake Bay Drive
- Eldorado Avenue
- Hite Creek Road
- Kinloch Road
- Red Fern Road
- Sherry Lynn Court
- Sirate Lane
- South 43rd Street Alley

MSD Milestones

Welcome to MSD

- Zachary Carby**, Seasonal Employee
- Dalton Chamberlain**, Seasonal Employee
- Courtney Crecelius**, Lab Tech II
- Lewis Geary**, Utility Trainee
- James Griffin**, Seasonal Employee
- Donovan Henry Jr**, Utility Trainee
- Jeremy Knight**, Environmental Compliance Inspector
- Kristie Mallory**, Environmental Compliance Inspector
- Aileen O’Brien**, Lab Tech II
- Chad Williamson**, Communications Specialist
- Sheila Wright**, Facilities, Safety & Security Coordinator

Congratulations on your promotion/reclassification

- Pat Busby**, Utility Leader
- Scott Doss**, Construction Inspector II
- Eric Cress**, Utility Leader
- Dustin French-Marzian**, Utility Worker II
- Jesse Barrett**, Construction Inspector I
- Robert Lamar**, Utility Worker II
- Niccole Mardis**, Construction Inspector II

Welcome to a new role

- Nathaniel Ferrell**, Utility Trainee

Happy service anniversary

- 30 years** **Samuel Marino**
- 25 years** **Barbara Roberson**
- 20 years** **Stephen Thomas**
- 10 years** **James M. Brown** **Bob Pifine**
- Ryan Fisher** **Sevelle Rice**
- Danny Janssen** **Adraine Ritman**
- Jeremy Pierson** **John Yarbrough**
- 5 years** **John Tellman**

Congratulations on your retirement

- Samuel Marino** **Stanley Shelton**
- Barbara Mendelsberg**



700 West Liberty Street
Louisville, KY 40203-1911



StreamLine is a publication of Louisville MSD.
© COPYRIGHT 2017
LOJIC map data copyrighted by the Louisville
and Jefferson County Metropolitan Sewer District,
Louisville Water Company, Louisville Metro
Government and Jefferson County Property
Valuation Administrator. All rights reserved.

Editor:
Sheryl Lauder
Strategic Communications Supervisor
Sheryl.Lauder@LouisvilleMSD.org

MSD Board information:
You can find information about
MSD Board actions on our website,
msdrecords.LouisvilleMSD.org

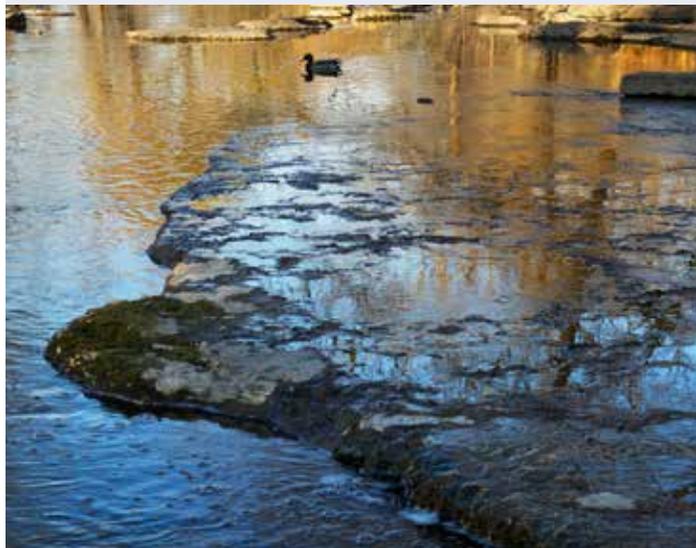
The public is welcome to attend MSD Board meetings.
Access [http://msdrecords.louisvillemsd.org/
openmsd/board.aspx](http://msdrecords.louisvillemsd.org/openmsd/board.aspx) for the full schedule of
both regular and Board committee meetings.



Upcoming Events

OCTOBER 10
Audit Committee Meeting
4 pm, 700 West Liberty Street

OCTOBER 23
MSD Board Meeting
1 pm, Open Session, 700 West Liberty Street



A mallard drake swims at sunrise on Beargrass Creek in Seneca Park.
Photo courtesy of John Nation.



67,668 catch basins...

...billions of leaves!

Prevent surface flooding in your neighborhood
by **raking leaves and debris away from
catch basins**, and properly disposing of the debris.

If basins are still clogged, contact
MSD Customer Relations—at 502-587-0603—
we will send someone to help.