

OCTOBER 2005

Facility honors former employee's dedication

One of the largest flood pumping stations in MSD's system not only got an \$8 million refurbishing, it also got a new identity.

MSD celebrated the completion of the massive overhaul of the 53-year-old plant by naming the old Buchanan Street Pump Station the Robert J. Starkey Pumping Plant.

Starkey was a career MSD employee who knew the intricacies of MSD's sewer and flood protection system. "Bob had a passion for his work and brought it with him everyday," said Executive Director Bud Schardein.

Starkey retired from MSD in 1996, after being diagnosed with cancer and doctors projected he would not live another year. Starkey proved the doctors wrong and returned to work as a voluntary consultant to MSD, notably charting the separation of stormwater and sanitary sewer lines at the Louisville Zoo. Starkey died in December 2003.

"Robert Starkey exemplifies the attitude of MSD employees," Congresswoman Anne Northup said at the dedication ceremony September 12. "He exhibited a commitment to quality and forward-thinking that is reflected throughout MSD's operations," Northup said.



From left: Congresswoman Anne Northup, Metro Mayor Jerry Abramson, MSD Board Vice Chair Beverly Wheatley, Executive Director Bud Schardein and U.S. Army Corps of Engineers Louisville District Commander Col. Raymond Midkiff dedicated MSD's Robert J. Starkey Pumping Plant.

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Ordinance unifies community's floodplain rules

An updated floodplain ordinance has been passed by Metro Council and signed by Metro Mayor Jerry Abramson.

The new ordinance mirrors much of the 1997 floodplain management ordinance previously enacted by the old Jefferson Fiscal Court and former City of Louisville, along with the cities of Jeffersontown, St. Matthews and Shively. "Part of the revision was just housekeeping," said MSD Development Team Leader Randy Stambaugh. "Metro Council had to adopt an ordinance that applied to Louisville Metro."

The floodplain ordinance seeks to maximize the safe use of Jefferson County's flood prone areas, ensuring flood levels are not increased and minimizing losses from flooding, Stambaugh said. It restricts new construction in the community's floodplains and controls alteration of natural floodplains, stream channels and natural protective barriers that help reduce flooding.



Minimizing losses from floods, as shown in this photo from the 1997 flood, will help protect people and properties throughout Louisville Metro.

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"Bob had a passion for his work and brought it with him everyday."

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(Entre 8 mañana y 5 p.m.
lunes a viernes)

Upcoming Events

October 6
DiverseWorks for You
Certification Orientation, 9 a.m.,
700 W. Liberty, first floor

October 10
MSD Board Meeting, 10 a.m.,
700 W. Liberty, first floor

October 13
MSD Retirees Luncheon, 11 a.m.,
Masterson's Atrium B, 1830 S. 3rd St.

October 24
MSD Board Meeting, 10 a.m.,
700 W. Liberty, first floor

MSD Milestones

We're proud to announce:
The Kentucky-Tennessee Water
Environment Association recognized
the Fern Creek/Nottingham
Interceptor #6 and the Fern Hill
Interceptor #8 projects with the
2005 Overflow Abatement Award.

Welcome to MSD:
Patricia Love-Page, Customer
Service Representative

Congratulations on
your promotions:
Jim Bridges to Process Supervisor
Phillip Vinegar to Utility Worker II

Changing the Pace:
Tori Coward to Maintenance
Coordinator
Steve Robbins, Master Maintenance
Electrician to Central Region

In remembrance
William Howell (retired) passed
away in July

Certifiable Success

DiverseWorks for this
recently certified business:
Drayco Group, LLC (MBE)
Sewer and water line rehab, cleaning
and televising; smoke testing; sewer
line televising and smoke testing
Contact: Jesse Williams, 404/344-2870

Area Team News

Floyds Fork/North County/Operations:

With 15 treatment plant and pumping station improvement projects underway, MSD has selected CH2M Hill to provide **design support services**.

The improvements include concrete repairs at the Morris Forman Plant, transformer replacements at the Fourth Street and Shawnee pumping stations, and expansions of the Hite Creek and West County treatment plants.

CH2M Hill will provide technical interpretations, assist with cost estimates, prepare record drawings, conduct site visits during construction and perform other tasks as part of the \$139,000 contract.

An additional 33 area contractors are prequalified to complete small sewer and drainage projects under MSD's **Annual Maintenance and Construction program**.

They join 16 contractors already prequalified to perform small-scale projects that do not exceed \$250,000.

MSD initiated the prequalification program in 1998 to expedite completion of smaller projects. About 155 projects were performed under the program during the last fiscal year.

Contractors participating in the program submit statements of qualifications each year that are reviewed by a team of MSD staff and approved by MSD's Board.

Sluice gates at two **flood protection facilities will receive two new electric motorized controls**. Replacing the existing controls will allow the gates to operate more dependably and easily when flooding occurs. The improvements, costing \$81,000, will upgrade the 27th Street Pump Station and the sluice gate at the end of 31st Street near the K & I bridge.



Drainage Response Initiative Projects

The Project DRI partnership between Louisville Metro and MSD is solving drainage problems throughout the community. These projects are ready for construction:

Beargrass Creek: A pair of projects in the Indian Trail area will relieve standing water problems on **Celina Drive and Deshler Drive** with construction of a pipe and inlet system along each roadside. The \$55,000 Celina Drive project will address six customer requests for service and impact 30 properties while the \$65,610 project along Deshler Drive will benefit 31 properties.

Eight customer requests will be addressed with a \$67,500 project to improve roadside drainage along **Scholar Street**. When constructed, the pipe and inlet system will positively impact 31 properties.

Pond Creek/Mill Creek: Rear-yard drainage improvements will soon take place along properties between **Ailanthus Trail and Brenda Drive**. The \$246,996 project will address 15 customer requests and affect 80 area properties.

A \$177,000 project will improve roadside drainage along sections of **Cavalcade Avenue, Cornflower Road and Pensive Lane**. The installation of paved ditch and fence replacement will affect 100 properties and address 10 customer requests.

continued on next page

Ordinance... *continued from page 1*

The ordinance continues to manage filling, dredging, grading and other activities that could cause flooding elsewhere. "The ordinance is designed to protect the entire community and takes into account that activity at one location can impact other areas," Stambaugh said.

Since 1986 MSD has been the stormwater drainage utility for Louisville and Jefferson County. In 1997, the cities of Jeffersontown, St. Matthews and Shively joined the interlocal agreement allowing MSD to also provide some level of stormwater drainage services for those municipalities.

MSD also is the floodplain mapping authority for the community and spearheads keeping the community's floodplain management plan current.

Drainage... *continued from previous page*

With a long history of street and parking lot flooding, properties along **Grade Lane** from Melton Avenue to the Northern Ditch will soon have improved drainage. A storm sewer, installed along the east side and in a portion of the west side of the road will replace undersized, collapsed and heavily silted culverts that have posed a hazard to motorists. Eleven customers requesting service and 29 additional commercial properties will be impacted with the \$199,900 project.

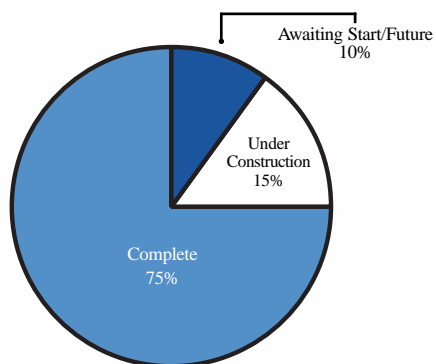
Paved ditches and fencing, installed in the rear-yards of **Garden Green Way, Green Cove Circle and Terrace Green Circle** will provide better drainage for eight customers requesting service and 32 area properties. The project costs \$51,925.

Ten customer service requests will be addressed by rear-yard drainage improvements along **Hinchbrook Boulevard** and other area streets. The \$134,325 project will positively impact 75 properties.

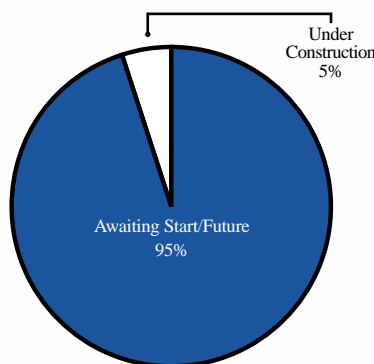
Roadside drainage will improve along **Lower Hunters Trace** from Greenbelt Highway to Green Acres Drive. The \$121,508 project includes construction of a new outlet system and paved ditches. It addresses six customer requests and impacts 23 properties.

Project DRI Progress

Through September 26, 2005, the Project DRI partnership between Louisville Metro and MSD completed or started 90 percent of planned drainage improvement projects since Phase 1 of Project DRI began in January 2003. Phase 2 is getting started, with five percent of planned improvements underway.



Phase 1



Phase 2

Customer First at Work

"Diane Secor and Bill Chamberlain spent a great deal of time in our neighborhood, and have been most helpful in working with us to resolve drainage issues"

--Phil Miller, Glenmary Homeowners Association

"Thank you to the mowing crews and Tammy Moore who worked to promptly address the overgrown grass and weeds on an MSD property"

--George Leonardo, Pleasure Ridge Park

"The swale is now in place to help our backyard drainage, thanks to Paul Meyer and Eddie Heinsohn. United Construction also has done an excellent job."

--Dennis and Linda Jennings, Pleasure Ridge Park

"I have nothing but praise for the respectful, helpful hard-working crew of Brian Britt, Larry Gardner, Stephon Mayes, Donnie Riddle and Charles Woods who have been working in my neighborhood"

--Mrs. Robert Black, Highview

"The crew you sent out today-- Keith Banks, Tammy Coleman, Joe Palmarini and Charlie Woods—did a great job repairing my sewer problem!"

--Donnie Amburgey, Smyrna

"MSD is lucky to have Rick Stout. His customer service and thorough work are to be commended."

--Ellen Christain, Murray Hill

"My appreciation to Becky Bennett, Bill Chamberlain and all those on your staff who cleared the obstructed ditch behind my home. It would have caused major flooding in our neighborhood during heavy rains."

--Henry J. Willenbrink, Houston Acres

"Thanks to Tammy Moore and Melvin Benford for investigating the odor problem near my home."

--Kenneth Frye, Old Louisville

"Please commend Keith Banks, Dave Gittings, Fred Harris, Tony Morrison and Alonzo Spencer for the fine work repairing the sewer connection on our property"

--Betty Royle, Okolona



MSD

Louisville and Jefferson County
Metropolitan Sewer District

700 West Liberty Street
Louisville, KY 40203-1911

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Facility... *continued from page 1*



Photo (c) *The Courier-Journal*

Louisville Metro Mayor Jerry Abramson said the rebuilt pumping plant ensures that the community is protected before disaster strikes. “The events this month along the Gulf Coast shine a spotlight on why it’s crucial to be proactive,” Abramson said. According to the mayor, the city and MSD “have made it a priority to rehabilitate or replace” the community’s nine most critical flood pumping stations.

Schardein said overhauling the Western Pump Station near Shawnee Park will soon begin. He said MSD continues to work on other flood-protection projects with the U.S. Army Corps of Engineers Louisville District, to reduce the risks of flooding throughout the Beargrass Creek, Mill Creek and Pond Creek watersheds.

The Starkey Pumping Plant is fitted with four submersible pumps each with a 24,000 gallon per minute pumping capability, increasing the plant’s capacity to 140 million gallons per day. Along with flood pumping, the plant also keeps wastewater moving toward the Morris Forman Wastewater Treatment Plant. To improve efficiency, the wet well was lowered to reduce sediment from settling and sluice gates now operate remotely.

The upgrades also reduce the amount of untreated combined wastewater and stormwater discharged into the Ohio River by about 70 million gallons per year.

Crabtree and Gower simplify The Maze

In a corner of the Morris Forman Wastewater Treatment Plant is a process known as The Maze.

A complex series of valves used to distribute polymer, The Maze is notorious among plant employees for frequent blockages. When those occurred, workers were required to painstakingly shut down the process and wash The Maze with acid.

The Maze proved to be no threat for employees Travis Crabtree and Mike Gower. They suggested replacing the system with a series of pumps and reconfigured piping system that deliver polymer to a common line and are controlled by metering valves.

With an investment of nearly \$16,000, the new system was installed in mid-2004. Because the pumps deliver an optimum amount of polymer more efficiently, MSD saves about \$112,000 a year on polymer. The less-complex system also is easier to operate and offers an optional backup system if needed.

Under MSD's Suggestion System, Crabtree and Gower were awarded \$2,500 each for their suggestion and design.



Travis Crabtree and Mike Gower created a more efficient, simpler way to deliver polymer to the wastewater treatment process.

Hoehler, Richmond reappointed to MSD Board

Martin D. Hoehler and Benjamin K. Richmond were reappointed to the MSD Board by Metro Mayor Jerry Abramson and the Metro Council.

Hoehler is a real estate broker, investor and developer. He also serves on the Coach Gate, Inc., Board of Directors and on the Commercial and Industrial Committee of the Louisville Board of Realtors.

Richmond has served as president and CEO of the Louisville Urban League since 1987. He also serves on the boards of the Fund for the Arts of Greater Louisville, Cathedral Heritage Foundation, Spirit of Louisville Foundation/Bell Awards, Greater Louisville, Inc. and the Kentucky State Workforce Investment Board.

Hoehler and Richmond were appointed to three-year terms that expire in 2008.



Martin Hoehler



Ben Richmond



MSD flooded with aid for Hurricane victims

“People from the Gulf Coast arrived in Louisville with only the clothes on their backs.”

When Hurricane Katrina struck parts of the Gulf Coast, MSD employees went to work immediately to assist evacuees who would soon call Louisville home.

“MSD employees understand the devastating effects of flooding on a community,” said Executive Director Bud Schardein. “That also increases our sensitivity to the needs of people impacted by Hurricane Katrina.”

MSD staff set up a relief collection center at MSD’s main office to gather clothing, non-perishable food and personal hygiene items for distribution to area churches, shelters and other organizations providing aid to hurricane evacuees.

MSD also encouraged employees to contribute to the Red Cross hurricane relief fund through payroll deductions or vacation buyout.

“People from the Gulf Coast arrived in Louisville with only the clothes on their backs,” Schardein said. “Through the generosity of MSD staff, I hope we can help our new neighbors adjust to their new lives.”



Carolyn Shain (left) and Paula Purifoy sorted clothing donated by MSD employees for Gulf Coast evacuees.

Biosolids facility dedicated

MSD celebrated the success of its biosolids production facility at the Morris Forman Wastewater Treatment Plant with a dedication ceremony August 25.

The biosolids pellets are used to make Louisville Green, MSD’s organic fertilizer product that entered the marketplace in 2005. So far, most of the pellets produced each day have been beneficially reused as a soil amendment or fertilizer component, according to Executive Director Bud Schardein.

“This has greatly reduced our landfill use, saved money and even produced revenue for MSD and our customers,” he said.

The facility also has reduced odors from the plant that had been a nuisance for nearby neighborhoods.



State Senator Gerald Neal (right) spoke during the dedication as Executive Director Bud Schardein (left) and Metro Mayor Jerry Abramson look on.



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