

Measures to cut plant odors

The second phase of a \$500,000 odor control project is expected to dramatically reduce odors from the Jeffersontown Wastewater Treatment Plant.

Permanent aluminum covers will be installed over areas of the treatment plant that are now open, including influent, effluent, aeration and screening channels. An aluminum dome cover also will be installed over the sludge holding tank, where odors will be exhausted to a carbon scrubber already at the Jeffersontown plant.

In addition to enclosing the processes, ductwork will be installed to capture foul air from the enclosed channels and boxes. The air will move to aeration blowers to supply aerators at the plant that are key odor control components in the treatment process.

The work is expected to be completed in mid-2003.

According to Morris Forman Area Team Leader Saeed Assef, the initial phase of odor controls were installed in October 2002. The first phase added chemical feeds to the wastewater collection system at the Chenoweth Run and Lakelet Way force main pump stations. That has reduced the hydrogen sulfide



Channel covers will enclose many of the wastewater treatment areas to capture odors.

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Photos from sky require work on ground

Beginning in late March and continuing through mid-April, color photographs of Jefferson and Oldham counties will be taken from the air.

The photos will be used by the Louisville/Jefferson County Information Consortium (LOJIC) to produce geographic information system mapping. The high-resolution digital imagery will be used by LOJIC members—Louisville Metro government, Louisville Water Company, Property Valuation Administrator and MSD—as well as provide a resource for area businesses and citizens.

Before the aerial photographs are taken, surveyors will mark key ground locations throughout Jefferson and Oldham counties to make them visible from the air. The markings will be giant white crosses that will be painted on pavement or placed in white panel fabric in open ground areas.

“Accurate ground coordinates and elevations will be measured at each marked locating to tie the aerial photography to ground locations,” according to LOJIC’s GIS Coordinator Curt Bynum. The markings are temporary and will be removed when the aerial photography is completed, Bynum said.

The photography will be taken by GRW Aerial Surveys, Inc. under a contract with MSD as part of MSD’s ongoing participation in LOJIC.

CONNECT WITH MSD

502-540-6000

24/7 Customer Service:
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www.msdlouky.org

TDD/TTY: 540-6233

En español: 540-6423
(Entre 8 mañana y 5 p.m.
lunes a viernes)



MSD

Upcoming Events

April 3
DiverseWorks Orientation,
9 a.m., 700 W. Liberty,
HR Training Room

April 14 and 28
MSD Board meeting,
10 a.m., 700 W. Liberty, first floor

MSD Milestones

Welcome to MSD:
Stephanie Conner,
Operator-in-Training
Terrance Whitfield,
Operator-in-Training

Changing the pace:
Ken Smalley moved to
Support/Maintenance

Spring retirees meeting set

MSD's Retirees Club will hold its next meeting Thursday, April 10 at Masterson's, 1830 S. Third, beginning at 11 a.m. Cost is \$10 per person.

Meeting details and response forms have been mailed. Club members who didn't receive the mailing or have questions may contact Beverly Cox (phone: 540-6377; e-mail: coxb@msdlouky.org).

Area Team News

Beargrass Creek

Two drainage improvements, part of the Project DRI partnership between Louisville Metro government and MSD, will soon be underway.

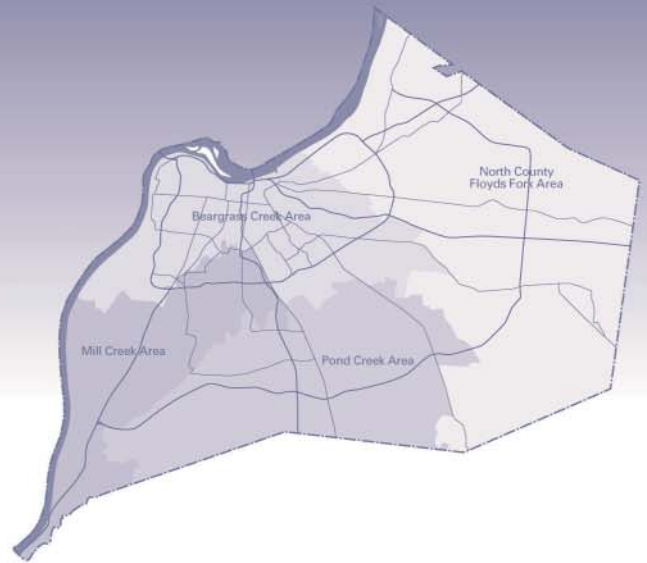
Installing a roadside gutter system will alleviate standing water and provide proper drainage along the **3900 block of Northwestern Parkway**.

Similar improvements were installed last year from Market Street through the 3800 block of Northwestern Parkway.

According to Beargrass Creek Area Team Leader Loyiso Melisizwe, both projects were initiated by requests from Fifth District Councilwoman Cheri Bryant Hamilton. The current project is expected to cost \$83,765.

In the **200 block of Kennedy Avenue**, drainage improvements will begin as the result of a request from Ninth District Councilwoman Tina Ward-Pugh.

To reduce standing water and promote drainage a pipe and yard inlet system along with driveway aprons will be installed, Melisizwe said. The improvements will be constructed along Kennedy Avenue north of Grinstead Drive and are expected to cost \$68,860.



Van to ease backup repairs

Locating blockages in sewer lines will be easier and faster with the addition of a teleinspection van to MSD's fleet.

The van is equipped with a special camera that travels from the main sewer into private property sewer lines, relaying images that are viewed on a monitor inside the van. Blockages in sewers that cause backups can be located without exploratory excavation, saving time in determining how to correct sewer backups.

That's good news for MSD customers who experience sewer backups, according to Customer Service Manager Allison Sheppard. "Quickly identifying where the blockage is located and the severity of the problem speeds up the repair process," Sheppard says. "If the repair doesn't require excavation, the customer will save time and money."

Although the teleinspection van cost \$155,957, Physical Assets Director James Hunt estimates it will help MSD save money. Each time teleinspection is used to rule out a sewer blockage, MSD will save an estimated \$1,800 in the cost to excavate the sewer line. "If 50 percent of teleinspected sewer lines do not result in excavation, MSD could save approximately \$561,600 a year," Hunt said.

Of the 71,795 calls to MSD's Customer Service Center in 2002, 13.9 percent were sewer backup reports.



The teleinspection camera sends images from inside sewers to a monitor inside the van, allowing operators to pinpoint the location of blockages in the lines.

Williams, State recognized for accomplishments

Mill Creek Area Team Leader Tom Williams was recently honored with the Distinguished Service Award from the American Society of Civil Engineers and the Achievement in Construction Award from the Louisville Chapter of the Kentucky Society of Professional Engineers.

Since joining the Mill Creek team in 1998, Williams has directed completion of the Mill Creek Action Plan—more than 140 miles of sewer construction to connect 13,500 properties to sewer service at a total cost of \$100 million. His cost-saving initiatives have helped expedite completion of sewer system expansion, benefiting both new customers and MSD.

The Louisville KSPE chapter also honored Floyds Fork North County Area Team Customer Specialist Tony State with the Achievement in Government award.

State was recognized for consistently promoting the society and engineering profession through his role in government. He is a past officer, Engineers Week organizer and international science and engineering fair judge.



Tom Williams

Customer First at Work

“Thank you, **Julie Blanford**, for responding quickly to my service request. Your hard work is appreciated.”
--Clint Hildebrand, Louisville, 40220

“Thank you to the **crew who did work in Spring Valley**. You all did a wonderful job. I am very pleased with the service I received.”
--Patrick Long, Mayor of Spring Valley, 40241

“**Kenny Morton and his crew**, who worked to improve the drainage on my property, were helpful and they maintained a professional attitude throughout their hard work.”
--Juan Hernandez, Valley Station, 40272

“I’m impressed with the timely response of the crew that unclogged the ditch in my front yard, and just wanted to say thanks!”
--Chris Brice, Louisville, 40207

“Thank you to **Sam Marino and the crew** who repaired a back up. I appreciate the work they performed and the respect they had for my property.”
--John Price, Valley Station, 40272

“I appreciate the helpful attitudes and pleasant response when my drainage problem was being corrected. Everyone involved reflects positively on MSD and all bent over backwards to be more helpful. Thank you, **Steve Bodner, Lloyd Dezarn, Damon Kelty, and Sandy Schmitt**.”
--Walter McCord, Louisville, 40207

Collapsed sewer found during inspection

When one of MSD’s crews set out to provide a new storm sewer connection for Jewish Hospital, it found more than the old service connection.

Using teleinspection equipment, the crew discovered a partially collapsed sewer line along West Chestnut Street, between South Third and Fourth streets. Because the 18-inch clay sewer and a manhole had severely deteriorated, the Beargrass Creek Area Team recommended repairing it quickly.

A 300-foot expanse of deteriorated clay sewer was replaced by a PVC line, a new manhole installed and new drainage connection provided for Jewish Hospital within four days at a cost of \$95,514.

Exceptional Achievers



Seventeen employees were recognized at the March 24th Board meeting for receiving MSD’s highest performance rating, Exceptionally Achieves. They are (standing, from left): Carl Randol, Ken Eilers Sr., Mike Humphrey, Kathy Myers, Paula Byrd, Deborah Kent, Kathy Cooksie, Cheryl Dale, Eric Brady, Janice Cox, Rhonda Hayes, Julie Price and Janice Earl. Seated from left are Board members Beverly Wheatley and Al Bruner; Director of Engineering Derek Guthrie; Board Chair Reba Doutrick; and Board members Fred Dallenbach and Martin Hoehler. Employees receiving the Exceptionally Achieves rating who were not present for the photo are Robert Bates, Dave Carty, Lisa Gaus and Dennis Thomasson.





MSD

Louisville and Jefferson County
Metropolitan Sewer District

700 West Liberty Street
Louisville, KY 40203-1911



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Measures... *Continued from page 1*

content of wastewater flowing to the treatment plant and the harmless but offensive rotten-egg odor.

Assef said MSD initiated an odor control study in 2001 for all of its facilities to identify odor sources. The project underway at the Jeffersontown plant is a result of the study.

“These odor control features are designed to nearly eliminate odors from the plant by enclosing the treatment processes and capturing odorous air for treatment,” Assef said.



Fine bubble aeration provides improved biological treatment of wastewater and significantly reduces odor emissions.

Changes to improve services

Internal organizational shifts will help MSD meet its obligations to customers with existing resources, says Executive Director Bud Schardein.

Beginning March 12 the director of operations post has been eliminated and Mike Sweeney returns to the director of research and productivity position. “Mike will be working on special projects including combined and sanitary sewer overflow abatement, as well as total mass daily loadings on area streams,” Schardein said.

MSD’s Laboratory and Industrial Compliance and Monitoring personnel, who had reported to the operations director, will report to Morris Forman Area Team Leader Saeed Assef. Operations regional staff will report to Director of Engineering Derek Guthrie.

“MSD’s goal is to deliver quality, reliable service to our customers,” Schardein said. “By restructuring management positions and reporting relationships, we can do that more efficiently and effectively.”