

## Hite Creek plant expansion completed

The \$11.1 million expansion of the Hite Creek Wastewater Treatment plant is complete, enabling the plant to keep pace with customer growth in northeastern Jefferson County.

Initiated in mid-2003 under the design-build process, the plant's processes were upgraded and improved and treatment capacity was increased to allow up to an additional 1.6 million gallons of wastewater per day.

Work included new secondary clarifiers, replacing existing equipment in the influent pump station and converting existing primary clarifiers to aeration basins. New clarifiers, pumps, screening and other features also were added to improve efficiency and control odors.

The design/build contract was fulfilled by Cynthiana-based Judy Construction Co. with Quest Engineers.

Hite Creek Wastewater Treatment Plant was built in 1970 with an original capacity of 2.2 million gallons. The plant is located on Hitt Lane near I-71 and the Jefferson-Oldham county line.



*Celebrating the completion of the Hite Creek plant expansion were (from left) MSD Board Chair Fred Dallenbach; MSD Area Team Leader Vicki Coombs; MSD Chief Engineer Derek Guthrie; Dale Wilson; Earl Dunn; Larry Judy, Judy Construction; Metro Public Works Director Rudy Davidson; MSD Executive Director Bud Schardein; Deputy Mayor Rick Johnstone; and Quest Engineering's Charlie Scroggin.*

*Treatment capacity was increased to allow up to an additional 1.6 million gallons of wastewater per day.*

## Homes removed from harm's way

The partnership between the Federal Emergency Management Agency, Kentucky Emergency Management and MSD has increased flood protection and reduced the potential for property damage in flood-prone areas of Louisville Metro.

Funded by a grant from FEMA and Kentucky Emergency Management, MSD has purchased 46 homes, demolished them and returned the properties to serve as natural wetlands. An additional six lots were purchased, and one home was elevated.

The objective, according to MSD's David Schaftlein, is to reduce loss of life and property damages during floods. The properties identified for removal and elevation were located in a floodway or floodplain and had histories of flood damages. With the grant money, MSD purchased the properties and removed structures, returning the properties to the natural function of the floodplain.

More than \$5 million in state and federal grant money helped fund the \$6.3 million floodplain buyout project.



*Flood-prone homes have been purchased and demolished so the properties could function as natural wetlands.*

### CONNECT WITH MSD

502-540-6000

24/7 Customer Service:  
587-0603

[www.msdlouky.org](http://www.msdlouky.org)

TDD/TTY: 540-6233

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

## Upcoming Events

June 12  
MSD Board Meeting, 10 a.m.,  
700 W. Liberty, first floor

June 26  
MSD Board Meeting, 10 a.m.,  
700 W. Liberty, first floor

## MSD Milestones

We're proud to announce:  
The National Association of Clean Water Agencies has awarded a Silver Peak Performance Award to the Morris Forman Wastewater Treatment Plant. The annual award is presented to facilities with five or less National Pollutant Discharge Elimination System permit violations during a calendar year.

Welcome to MSD:  
Justin Gray, Senior Technical Services Engineer  
Brian Prinz, Utility Trainee

Changing the Pace:  
David Gittings, Assistant Telespection Supervisor  
Bonnie Owens, Materials Specialist  
René Thomas, Contract Administrator

## Certifiable Success

DiverseWorks for these recently certified businesses:

Critical Care Specialists, Inc. (WBE)  
Drug testing kits, on-site heart defibrillation units  
Contact: Donna Murphy,  
502/893-9758

Thumper Trucking, Inc. (WBE)  
Dump trucking services, hauling services  
Contact: Mary Kaye Voyles,  
502/643-7870

## Area Team News

**Pond Creek/Mill Creek Area Team:** Improvements along **Drive-In Branch** will include stream banks planted with native grasses, shrubs and trees. The \$111,018 project will restore stream banks, reduce erosion and improve stream water quality.

**Floyds Fork/North County/Operations Area Team:** A \$20,396 project will modify and repair a clarifier at the **Morris Forman Wastewater Treatment Plant** that was damaged when a groundwater pump failed to maintain necessary water levels and groundwater pressure.

Neighbors surrounding the **Southwest Pumping Station** will be better protected from flooding. Improvements are planned to insure flow control gates operate properly during high river levels. To complete project design, \$157,969 has been allocated.

Reliability and safety will be enhanced at the **Shawnee Flood Pumping Station** located in Shawnee Park with the replacement of existing electrical transformers and appurtenances. The project will eliminate oil filled transformers and small can transformers at the pumping station. Removal of the old transformers and installation of the new transformers will cost \$85,600.

MSD is finalizing the purchase of more than **20 acres and a 322,000-square-foot building** adjacent to MSD's property on Southwestern Parkway. The parcel is currently owned by Anderson Packaging. MSD plans to use the structure and land to store Louisville Green that is manufactured at the Morris Forman plant and for future expansion or improvements of the Morris Forman plant.

**Beargrass Creek Area Team:** As part of the Consent Decree agreement, a contract to provide plans to eliminate the **Thurman Drive Pumping Station** has been approved. MSD has committed \$50,000 to a design firm to draft plans for removing the pumping station. The contract also includes a sewer assessment vote package for un-sewered properties surrounding the project area, giving property owners an opportunity to vote on sanitary sewer service.

MSD has partnered with Metro Councilman Jim King to construct a **one-third mile walking path in District 10**. The \$74,466 project will provide access from Schuff Lane to the Louisville Zoo and eventually to Joe Creason Park.

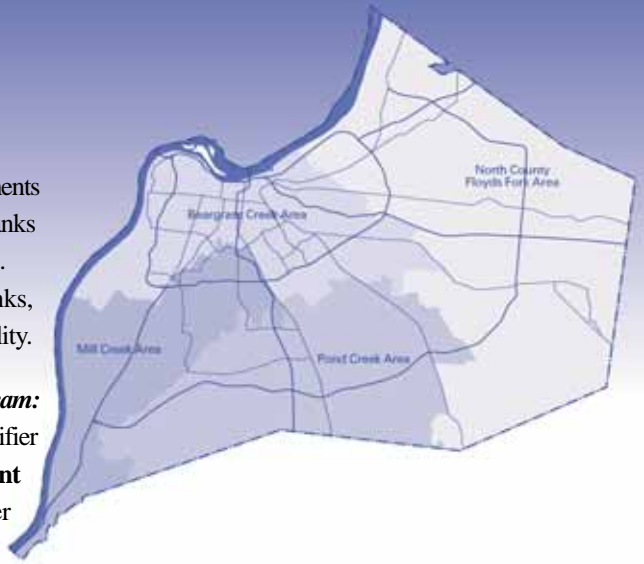
## Drainage Response Initiative Projects

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

A \$118,898 project along **Arid, Bossier and Denver Lanes and Mariemont Road** will bring additional roadside and rear yard drainage improvements since the completion of Project DRI Phase I improvements in the area. The Phase II project will resolve six customer service requests and impact 42 properties.

Installing a roadside pipe and yard drainage system, constructing paved swales, replacing driveway aprons and repairing a concrete ditch will take place along **Cova Drive**. The \$59,920 project will alleviate standing water in front and rear yards, benefiting 18 properties and resolving four customer service requests.

see "Drainage..." on page 3



## New rates for service proposed

MSD's Board has authorized a preliminary resolution to increase stormwater and wastewater rates for all customers. If approved, the new rates will become effective August 1.

The resolution calls for a 6.9 percent rise in wastewater and stormwater volume and service charges, as well as optional and quality charge rates for commercial and industrial wastewater customers.

Under the proposed rate structure, average monthly residential wastewater rates will increase by \$1.35 from \$19.84 to \$21.19. Monthly stormwater drainage fees will rise by 32 cents to \$5.02.

In 2005, the average national residential wastewater customer paid \$24.09 per month, according to the National Association of Cleanwater Agencies.

A public hearing on the proposed rates will be held June 8 at 7 p.m. at MSD.

*Written comments on the proposed rates may be addressed to:*  
**MSD**  
*Attention: Bud Schardein*  
 700 W. Liberty St.  
 Louisville, KY 40203-1911

## Customer First at Work

"Thanks to Kenny Gibson, Kevin Haycraft, David Heady and Mike Kilkelly for taking time to listen to my concerns and correct my drainage problem. I no longer have to walk through a lake when it rains!"  
 --Jim Kuzirian, Okolona

"My life is a lot easier thanks to Tammy Moore. Her quick response had MSD crews completing my sewer repair in only a couple of days!"  
 --Greg Adams, Camp Taylor

"Leila Cunningham has been the most cooperative and pleasant person! She took time to explain what was happening with my drainage request. You hired the right person!"  
 --Michael Hebner, Valley Station

"Thanks, Melvin Benford, for doing a great job. We are thrilled with the service you've provided!"  
 --Courtney Cook, Audubon Park

## Partnership saves stream monitoring costs

Since 1988, a unique partnership with MSD and the U.S. Geological Survey (USGS) has helped save costs of monitoring area streams to collect water quality and other data.

USGS collects, monitors, analyzes and provides scientific understanding about natural resource conditions, issues and problems. The same monitors that help USGS collect stream flow information are also used to help MSD track water quality conditions. Sharing the cost of the monitors and the labor to retrieve monitor information allows both organizations to save money.

The 24 monitors located throughout Jefferson County and outlying areas collect data which allows MSD to:

- establish baseline conditions and track long-term changes in stream water quality;
- determine the number and magnitude of water quality violations when they occur, evaluate improvements in water quality once sewers have been installed or wastewater treatment plants have been eliminated; and
- develop tools which evaluate the effectiveness of different combined sewer and sanitary sewer overflow control strategies.

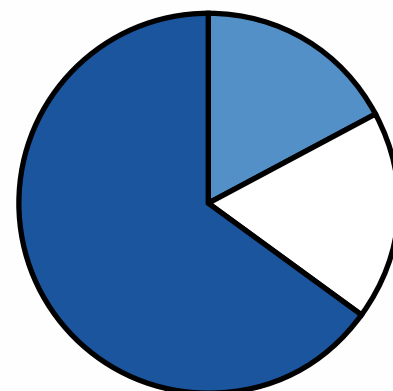
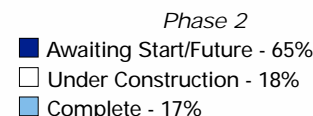
Most importantly, the partnership allows MSD to quickly respond to water quality concerns with real-time access to monitoring results via the Internet.



*Monitors allow MSD water quality and steam condition information in real-time.*

## Project DRI Progress

Project DRI, a partnership between Louisville Metro and MSD that began in 2003, has improved drainage with 381 projects completed throughout the Metro area during Phase 1. Since Phase 2 began in 2005, 35 percent of 335 planned projects are underway or completed.



## Drainage... *continued from page 2*

Pipe and yard drains will be installed along **Glenmeade Road** from Hikes Lane to Sunder Avenue to eliminate standing water. Driveway aprons also will be replaced as part of the \$79,080 project to resolve four customer services requests and benefit 30 additional properties.

Four customer service requests and 17 properties will benefit from a \$63,100 project to correct inadequate roadside drainage facilities along **Hardwood Court**. Paved swales and a pipe system will intercept drainage from adjoining properties.

Paved v-swales will be installed and driveway culverts will be replaced along **Middlerose Circle** and portions of **Nocturne Drive**. Eleven customer service requests and 70 additional properties will benefit from the \$202,800 project.



MSD

Louisville and Jefferson County  
Metropolitan Sewer District

700 West Liberty Street  
Louisville, KY 40203-1911



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## Ceremony recognizes West County WTP employees



*Supervisor David Hayes recalled living near the West County plant and playing in nearby fields. "I care about how this treatment plant impacts the neighbors and being Supervisor means the world to me," he said.*

to reduce noise and odor, a new sludge holding tank and a solids transfer station. Additionally, landscape improvements have made the plant less noticeable to neighbors.

The West County plant, located on Lower River Road, serves most customers in southwest Jefferson County.

Employees including plant operators, administrators, maintenance personnel and several others were recognized for their efforts in completing an \$8.7 million project to expand the West County Wastewater Treatment Plant.

When first constructed, the West County plant in southwest Jefferson County treated only 15 million gallons of wastewater per day. An aggressively expanding sewer system, regular neighborhood backups and growing residential and commercial development required a greater capacity.

Since the third phase of expansion began in 2003, the West County plant has undergone a series of upgrades to double the plant's capacity to 30 million gallons per day.

Utilizing a design-build process, Hall Contracting of Kentucky and GRW Engineers partnered to make improvements which included aeration basins equipped with air diffusers