

Biosolids pellets get first demonstration

A demonstration project beginning this month and continuing through September will help our community learn more about the dried biosolid pellets produced at the Morris Forman Wastewater Treatment Plant.

A 1.5-acre site at the Waste Management, Inc. landfill on Outer Loop has become the site to show how the dried biosolids perform against commercial fertilizers and soil amendments. Some 20 plots have been established, all growing grass, so MSD can demonstrate various strengths of the biosolid pellets as well.

Using the biosolid pellets in a controlled outdoor laboratory setting is the next step toward reaching MSD's goal of marketing a usable soil-enhancing product. "Since the heat-drying solids processing system began operating in 2002, the dried biosolid pellets have cut our landfill disposal volume by nearly 50 percent," said Project Manager Sharon Worley. "Being able to reuse them in beneficial land use has always been a top objective."

While the dried biosolid pellets have been federally designated as Class A Exceptional Quality, MSD must apply for state approval to market and distribute the biosolid pellets.

Before that happens, MSD wants to demonstrate the pellets' qualities. Do they create an odor when used on a lawn? Are impacts visible quickly or do the pellets improve turf over



Board Chair Reba Doutrick tells plant neighbors about the biosolid pellets.

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Beargrass project yields surprising partnerships

As the U.S. Army Corps of Engineers and MSD progress in the \$12 million Beargrass Creek Flood Protection Project, an unusual challenge resulted in a surprising partnership that will benefit youth sports.

The project involves construction of eight flood reduction basins, channel improvements and other features to minimize flooding along Beargrass Creek and its forks, according to Beargrass Creek Area Team Leader Loyiso Melisizwe. With two basins now under construction near Bashford Manor Mall and in the Hikes Lane area, MSD and the Corps of Engineers were challenged with disposing of 300,000 cubic yards of dirt and other material excavated.



Dirt and fill from flood reduction basins being built in the Beargrass Creek area will be used by St. Agnes Parish to build a sports field.

While some of the material will be disposed at a landfill, Melisizwe said about 170,000 cubic yards of dirt will be trucked to St. Agnes Parish and Calvary Cemetery on Newburg Road. St. Agnes is building a one-acre sports field, and Calvary will use the dirt for fill and in landscaping.

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CONNECT WITH MSD

502-540-6000

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TDD/TTY: 540-6233

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



MSD

Upcoming Events

April 28 and May 12
MSD Board meeting,
10 a.m., 700 W. Liberty,
first floor

April is stormwater month

The U.S. EPA has designated April as stormwater month, to promote awareness of the impact stormwater runoff has on the nation's rivers and streams.

Stormwater pollution is caused by normal daily activities, like walking the dog and fertilizing the yard. As rainwater runs off streets, lawns, industries and construction sites, it collects fertilizers, dirt, pesticides, oil, grease and other material that pollute streams and rivers. Stormwater runoff is a leading cause of water pollution in the U.S.

"In Louisville Metro many storm sewers drain directly into a stream or the Ohio River, bypassing treatment at a wastewater treatment plant," said MSD Executive Director Bud Schardein.

Louisville Metro residents can help improve water quality in local streams by following these simple guidelines:

- Use pesticides and fertilizers sparingly.
- Repair auto leaks.
- Dispose of household hazardous wastes (used auto oil and antifreeze, batteries, paints, solvents, etc.) at designated collection and recycling locations.
- Clean up after pets.
- Wash vehicles at commercial car washes or on a lawn or other unpaved surface.
- Sweep up yard debris instead of hosing it away. Compost or recycle yard waste when possible.
- Clean paint brushes in sinks, not outdoors.
- Sweep up and properly dispose of construction debris like concrete and mortar.

Area Team News

Pond Creek

Five drainage improvements, three in Metro Council District 2 and two in District 23, will soon be underway as part of the Project DRI partnership between Louisville Metro government and MSD.

Roadside drainage facilities, including 1,500 feet of paved swales and new driveway aprons, will be installed along **Wooded Way** from Jeanine Drive to Norene Lane. At an estimated cost of \$57,500, this project will satisfy 15 customer requests and positively impact about 40 properties.

Existing drainage facilities between 1138 and 1140 **Industrial Blvd.** will be upgraded to include 200 feet of paved ditch and about 500 feet of piping. Estimated at \$107,500 this project addresses two customer requests.

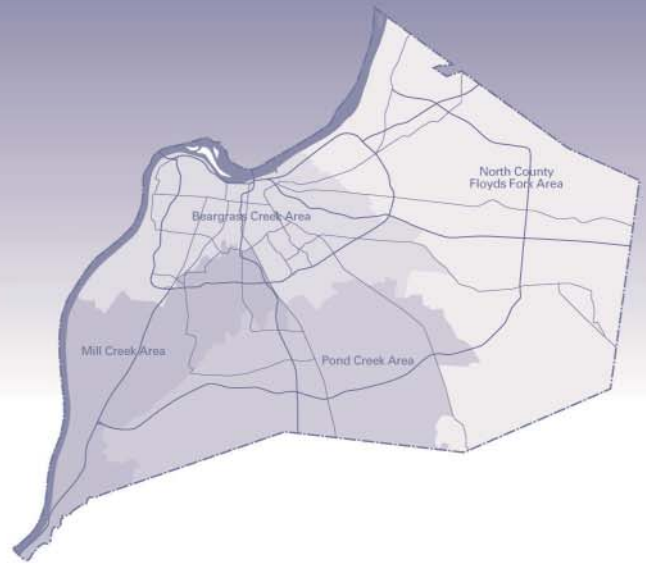
About 35 driveway aprons will be replaced along with installation of 1,000 feet of pipe and 750 feet of paved swale along the roadside of **Naomi Drive**, from Jeanine Drive to Norene Lane.



Preventing future erosion along a drainage channel in the Pleasant View subdivision also will reduce private property damage.

Shoring up the channel banks with boulders will prevent further erosion and promote better drainage. When the \$51,100 project is completed, 10 customer drainage requests will be resolved.

Project DRI (Drainage Response Initiative) is the \$67 million plan developed by Louisville Metro government and MSD to tackle the community's most severe drainage problems. Funded by MSD customers' stormwater fees, 381 drainage improvements costing an estimated \$47 million will be completed throughout Louisville Metro by June 2005. The remaining \$20 million is earmarked for drainage maintenance projects throughout the community.



This project, estimated at \$61,900 will address 17 customer requests and impact 35 properties.

Along **Green Manor Drive**, existing rear-yard drainage facilities will be upgraded to prevent yard and home flooding. The \$82,294 project includes increasing the size of a culvert and installing pipe, favorably impacting four properties near the intersection of Sandstone Boulevard and Green Manor Drive.

Improving an eroded stream along **Roseborough Road** will enhance drainage on properties that border the Pennsylvania Run tributary. Over time, the creek has eroded outside of its banks and beyond easements, damaging private-property fences. Shoring up the channel

project D.R.I.
Drainage Response Initiative

Beargrass... *Continued from page 1*

Both approached project managers about the possibility of using the material.

That will mean an increase in truck traffic in the area, beginning in mid-April, as construction of the basins progresses. On average 160 loads per day will be hauled between 7 a.m. and 7 p.m., Monday through Saturday.

At a recent public meeting, project managers outlined traffic routes and addressed safety concerns. Tarps will be used to cover and secure loads. Motorists are asked to avoid Newburg Road during hauling hours, and signage along Eastern Parkway and Newburg Road will warn motorists that large trucks are present. Road reports also will be published in newspapers.

“Safety is the primary goal, and Newburg Road-area residents are receptive and cooperative,” Melisizwe said. “This is a unique opportunity to use fill normally destined for a landfill to benefit the community.”

Okolona cleanup seeks helping hands

The Okolona area is about to get a spring-cleaning. Okolona-area residents and non-profit organizations are invited to join Metro Councilwoman Madonna Flood Saturday, May 10 from 10 a.m. until noon.

Volunteers will meet at the north parking lot of Southern High School, 8620 Preston Highway and fan out into neighborhoods to pick up trash, litter and debris.

Councilwoman Flood will provide prizes for the non-profit group bringing the most volunteers to the cleanup, and a small lunch will be provided afterward. MSD will supply trucks and personnel to pick up bagged trash.

MSD routinely assists with neighborhood cleanups throughout the community. MSD coordinates the annual Ohio River Sweep and is a co-sponsor of the annual Beargrass Creek Sweep.

In case of rain, the Okolona cleanup will be held May 17 from 10 a.m. to noon.

For more information phone Councilwoman Flood’s office, 574-1124.



*District 24
Councilwoman
Madonna Flood*

Customer First at Work

“Thanks, MSD! Cleaning the drainage ditch improved the situation in my yard.”
--Larry Boeshard, Okolona, 40219

“Your crew of **Simon Childress, Wayne Edwards, Mike Wilcox and Richard Young** quickly solved my problem with a hole in the easement behind my garage. It was a cold, miserable day, but they did a great job.”
--Thomas Mitchell, Buechel, 40218

“The ditch behind our fence didn’t drain properly and had caused serious erosion in our back yard. This was our first experience with MSD services and we want to thank you and your crew **Eric Blake, William Gibson and Mike Kilkelly**.
--Douglas Maier, Highview, 40228

“We are very impressed with **Chris Banks**. He did a great job responding to our calls, doing the site inspection and acting as a liaison between us and the contractor building in our area. Chris is knowledgeable, sincere and cares about the environment.
--Stephen and Rebecca Rose, Middletown, 40245

“**Tracy Crawley** helped resolve my concerns. She was prompt in answering my questions and finding the right person that I needed to talk to.”
--Lisa Rucker, Jeffersontown, 40299

“**James Allen, Angelo Boleyjack, William Cunningham, Marvin Hayes, Greg McCraney and Darrel Roof** were courteous, kind and prompt in removing the obstruction from my ditch. Thank you.”
--Charles Thompson, Okolona, 40219

“Thanks, MSD, for the excellent work done on a drainage project recently completed in front of my property.”
--Raymond Wells, Middletown, 40243



Stauble certified in EPSC

Bond Administrator Bob Stauble has joined an elite group by earning certification as an erosion and sediment control specialist.

Stauble’s performance on the six-hour examination not only achieved a passing score, it also added another certified specialist to MSD’s Erosion Prevention and Sediment Control staff. Customer Specialist and Construction Enforcement Officer Larry Pardue passed the certification test earlier in 2003.

“MSD continues to raise the bar in erosion prevention and sediment control,” said Engineering Director Derek Guthrie. “Bob’s initiative in preparing for and passing the test is a real accomplishment that strengthens the program.”

Before joining the Erosion Prevention and Sediment Control program, Stauble was a geographic information systems specialist and previously in plan review. In addition to his six years at MSD, Stauble has worked in the engineering field for 13 years.



MSD

Louisville and Jefferson County
Metropolitan Sewer District

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Biosolids... *Continued from page 1*

the long term? Can using too much harm water quality? Will the biosolid pellets perform better as part of a fertilizer mix instead of by themselves?

“This type of product has been produced and used throughout the U.S. for 75 years. Anybody in the turf business, such as golf greens keepers, knows this product and its qualities. We want to demonstrate the advantages of the pellets to a wider range of customers,” said CERES Principles Engineer Sarah Lynn Cunningham.

In addition to Waste Management, faculty from the University of Louisville, personnel from engineering consultants CH2M Hill and the Natural Resources Conservation Service’s district conservationist are participating in the demonstration.

To ensure that the demonstration achieves MSD’s environmental standards, the MSD Board expanded its environmental management system to include biosolids management.

MSD also has joined the National Biosolids Partnership, sponsored by U.S. EPA, Water Environment Federation and the Association of Metropolitan Sewerage Districts, according to Cunningham. “The Partnership will provide technical assistance and, when we’re ready, independent, third-party auditing of our environmental management system.”



Dried biosolid pellets are now being used in a demonstration project at the Waste Management landfill on Outer Loop.