



MSD

Louisville and Jefferson County
Metropolitan Sewer District

Update

News about activities and developments at MSD

September 11, 2002

Black sand saves money, preserves landfill space

Value management practices in the Mill Creek sewer expansion are saving money and recycling waste. Project crews are using processed power plant waste or "black sand" as sewer line backfill.

"Black sand" is one component of bottom ash, or processed power plant waste, from Louisville Gas and Electric Company's coal-fired electric generating plants. Once processed to remove toxins and screened for size, black sand is chemically similar to dirt, but meets construction specifications for the same uses as sand.

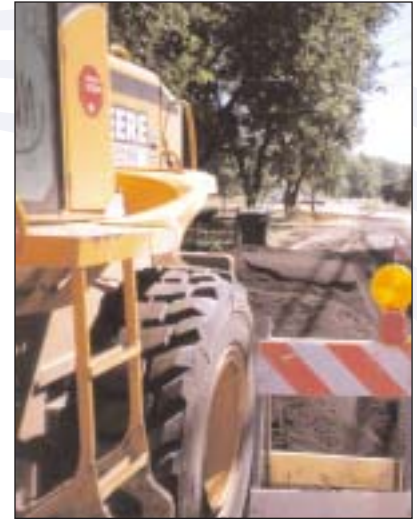
Since January 2002, MSD crews have been using black sand in place of traditional sand or crushed rock,

the customary backfill materials. The switch has proved beneficial, according to Mill Creek Area Team Leader Tom Williams.

"Black sand weighs less than sand, so the same volume costs less to transport by truck," Williams said. "Its distinctive black color has the appearance of pavement, so it's aesthetically pleasing."

By far the greatest value is the environmental benefit. "MSD is using a resource that would otherwise be disposed of in a landfill," Williams notes. Reusing black sand preserves space in the community's landfills.

Bottom ash from coal-fired power plants *(continued on page 2)*



MSD uses black sand to backfill at sewer construction sites in the Mill Creek area.

Environment takes center stage

Ecology and pollution prevention will get time in the limelight as area third-graders learn through **Eco-DRAMA: InterACT with Your Environment**.

The program, created through a partnership with the city's Brightside program Stage One and MSD, uses performance and interaction to help students explore environmental issues. The hands-on approach uses interactive drama-based instructional strategies to increase student enjoyment, making lessons more memorable.

During this school year, Eco-DRAMA hopes to reach more than 3,000 students through 535 class sessions. According to



Brightside Executive Director Elizabeth Kinney Pennington, "Students learn how to be responsible for preserving and protecting our environment and the precious resources that sustain it."

MSD's sponsorship of Eco-DRAMA is part of its environmental education effort that began in 1988, according to Bud Schardein, acting executive director. "This program combines entertainment with an environmental message, and plants seeds of responsibility with young people that grow up with them," Schardein said.



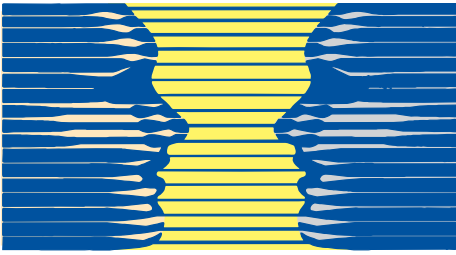
DiverseWorks sessions planned

To help minority- and woman-owned businesses benefit fully from certification, MSD's DiverseWorks program is conducting monthly orientation sessions.

"Becoming certified brings new opportunities," says DiverseWorks Administrator Deby McDaniel. "We want to make sure businesses are prepared to recognize and take advantage of them."

MSD will offer the one-hour program on the first Thursday of each month. The program begins at 9 a.m. at MSD's Main Office, 700 W. Liberty.

There is no charge to minority- and woman-owned business owners to participate, but advance registration is requested. To sign up or request details, contact Dana Price (540-6350 or priced@msdlouky.org) or René Patterson (540-6503 or patterson@msdlouky.org)



Customer First at Work

Editor's note: Following are excerpts of customer comments.

"Dwayne Edwards, Jerry Manley and Richard Young were professional, courteous and did excellent work at my property. I very much appreciate them and MSD."

—Pat Warner, Valley Station, 40272

"Thanks to MSD's **Eric Blakley, Reginald Brown, Lawrence Lewis, Darrell Roof and Mike Young** for taking care of the mowing in a timely manner. The neighborhood looks so much better!"

—Lucy Overstreet, Louisville, 40205

"Mike Turner and his crew Ibn Green, Phil Kirby, Renee Speight and Jason Watson are doing a great job on the drainage work on my property. They're professional, pleasant and courteous."

—Darrell Barr, Louisville, 40216

"Darrell Coleman, Martin Mooney, Dennis Vandive and Caesar Williams are doing a great job installing the drainage pipe in our area."

—Marie Middendorf, Crescent Hill, 40207

"My hat is off to **James Taylor and Brian Matheis, William Summers, John Williams and Kirk Willis.** They performed drainage and restoration work during two weeks of August heat. I commend the manner in which they carried out their daily tasks and conducted their behavior."

—Marvin Corum, Auburndale, 40214

Area Team News

Mill Creek

Sale to fund future projects

In a move that will fund pending Mill Creek area projects, MSD will sell \$25 million in apportionment warrants to Republic Bank and Trust Company.

The move gives property owners where three sewer projects were recently completed more options to finance the portion of the sewer construction that they will pay. Initial projects included are Black Pond BP-3C, Kramers Crums Lane KC 3C and 5C, and Pleasure Ridge PR-2.

"This is truly a win-win situation for both our new customers and MSD," said Finance Director Marion Gee. By working directly with a bank, property owners may chose from a range of financing options to pay their share of sewer construction costs, such as home equity loans and re-financing mortgages. Republic Bank also will offer MSD's standard 20-year installment repayment plan at seven percent, Gee noted.

The sale will allow MSD to recover the funds invested in the construction faster while avoiding the administrative costs of setting up and tracking loans. That also will help fund future projects without borrowing additional funds.

Republic will pay 100.04 percent of the par value of the assessments. MSD sold \$40 million of assessment to Republic in 1996.

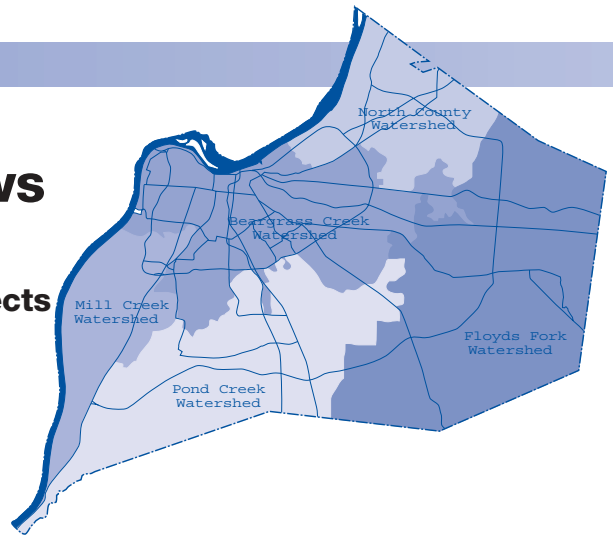
A letter will be mailed to customers this week announcing that Republic Bank will service their loans.

Quinton sewer project OK'ed

A \$1.7 million project that will connect 163 properties to sewer service will soon be under construction.

The project will construct more than two miles of sewer and will serve properties along Quinton, Carrie, Richelle, Farnsley and Van Winkle drives, and on Kramers Lane.

Construction should be completed by the fall of 2003.



Black sand

(continued from front page)

has been used around the U.S. in manufacturing, composting, soil blending, anti skid and road surface preparation, landfill cover, and structural fill.

Williams said MSD hopes to continue using black sand as backfill on construction projects. "So far, the results are very promising."



Black sand from electric power plants works like sand on a construction site but is cheaper to haul.

Pretreatment benefits explored at seminar featuring local successes

Louisville's largest industrial companies have invested more than \$15 million in recent years to protect MSD sewers from pollutants.

Some 50 industry representatives, environmental and health safety personnel, consultants and attorneys gathered in late August for an MSD-sponsored seminar focusing on local pretreatment programs.

The seminar was an opportunity for companies with successful pretreatment programs in place to share their stories, according to MSD's Tom Spalding. Rohm & Haas, Dupont Dow Elastomers, Swift, Louisville International Airport Pollution Prevention Team, Kentucky Pollution Prevention Center and MSD were among the presenters.

Companies learned from the successes in other industries. Swift was among the seminar success stories. "Thanks to a new treatment system, Swift is able to reclaim about \$250,000 worth of product each year," Spalding said. The reclaimed product also saves on sewer charges



Dupont Dow Elastomer's Diana Turner explained how rubber removal works.

by avoiding wastewater discharges.

Tours to local companies gave seminar participants an up-close look at pretreatment systems at work. The Airport showed how runoff from the de-icing process is captured for treatment.

A visit to MSD's Morris Forman Wastewater Treatment Plant helped participants better understand wastewater treatment. "Industrial users were able to see how their individual pretreatment process fits into a much larger system of wastewater treatment," Spalding said.

This year's seminar was the sixth presented by MSD. The seminar is offered every two years.

Editor's Note:

New Wastewater Disposal Regulations (WDR) have been released by MSD. To obtain a copy, contact MSD's Sue Green at 540-6475 or green@msdlouky.org. The updated regulations become effective October 1.



Seminar attendees boarded a bus to tour Louisville International Airport and the Morris Forman Wastewater Treatment Plant.

Suggestion committee resumes

Employees Larry Knoop and Waldemar Mendelsberg each pocketed \$2,193. James T. Bridges, Jr. and Clifton W. McNeese shared \$3,075.

Publishers' Clearinghouse? Kentucky Lottery? No—it's the MSD suggestion system at work.

Since 1988 the program has encouraged employees to promote efficient, economic ways to save money and improve operations. When money-saving ideas are implemented, employees are rewarded with cash equal to 10 percent of the first year's savings, minus any cost to put their ideas into practice.

Knoop and Mendelsberg suggested inexpensive water-flow switches as a way to keep pumps from burning out at the Morris Forman Wastewater Treatment Plant, saving thousands in repair and replacement costs. Bridges and McNeese were rewarded for their plan to install thermocouples on fume incinerator fan bearings, averting costly repairs and replacements.

Following a one-year transition period, MSD's Suggestion Committee has resumed a regular meeting schedule. Members are Becky Bennett, Joe Culver, Theresa Daly, Dave Melton, Trish Reynolds, Richard Schmeltz, Maribeth Sherrard, Mark Smith and Bob Stauble. Vince Bowlin is committee chair.

¡Hablamos el español!

Spanish-speaking customers can now connect with MSD Customer Service, in Spanish. The service is available 8 a.m. until 5 p.m. Monday through Friday at 540-6423.



MSD

Louisville and Jefferson County
Metropolitan Sewer District

700 West Liberty Street
Louisville, KY 40203-1911
502-540-6000
www.msdlouky.org

Numbers to know:

24-hour Customer Service: **587-0603**
Speech- and hearing-impaired customers call: **540-6233**

Inside Update

- Partnership puts environment on classroom stage
- Assessment sale benefits new customers, MSD
- Black sand is treasure for construction projects
- DiverseWorks sessions help certified businesses

Programs recognized for excellence

LOJIC, the Louisville and Jefferson County Information Consortium, was honored this summer at the Environmental Systems Research Institute User Conference. **Special Achievement in Geographic Information Systems** honors were awarded to retired Executive Director Gordon Garner and Jefferson County Public School's GIS education partnership with LOJIC. LOJIC's interactive "Geodetic Control Map" Internet tool won second place in the **Internet GIS category** and the 2002 Street Atlas received third place for **published map series**.

The American Public Works Association, Kentucky Chapter named the Sneads Branch inline wet weather storage project **Environmental Category Project of the Year**. The award was presented to Omni Engineering and MAC Construction & Excavating.

MSD received the **Whitney M. Young, Jr. Foundation Service Award** for participation in Scoutreach for the Boy Scouts of America. The program brings the scouting experience to young people who otherwise might not have an opportunity to participate in Boy Scout activities.

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Upcoming Events

September 12

Public meeting, Darley Road Sewer Project, 7 p.m., Zachary Taylor School cafeteria, 9620 Westport Rd.

September 23

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

September 24

Public meeting, Quinton Drive Sewer Project, 7 p.m., Southwest Government Center, 7219 Dixie Hwy.

September 27

Quality of Life Expo for MSD staff, 8:30 a.m. to 3 p.m., Central Maintenance Facility.