

UP date

News about activities and developments at MSD

March 24, 1999

MSD web site to open virtually on Internet

MSD will open its virtual doors for business on Monday, March 29th when its Internet web site officially goes on line.

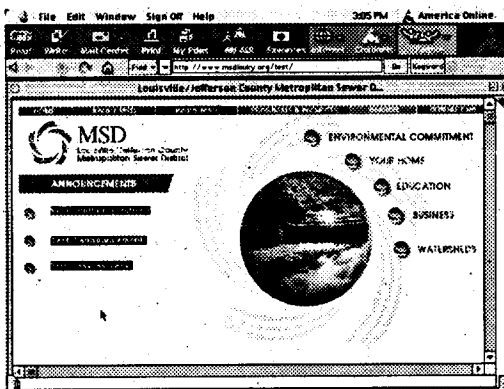
Web visitors can access the site at <http://www.msdlouky.org> beginning March 29th. The site has been under construction since last fall, when MSD's internal Internet committee began working with Net Tango, the Louisville company selected to construct it.

"We met with staff from MSD departments to learn who they thought would use the site and what information those users would want to access," according to Barbara Lang of Net Tango. The site is set up to provide easy-to-find information for homeowners, developers, environmentalists and schools.

With more than 900 pages in the web site, information is categorized on the home page by environmental commitment, your home, environmental education, business and watersheds. Among other features, the site contains answers to frequently asked questions and provides forms and permit applications that may be downloaded and printed. Additionally, a search engine will help users find specific information anywhere on the site.

"Ultimately, we see our Internet site as not just an information tool, but a communications tool," said Gordon Garner, MSD's executive director. Garner said that eventually the site would allow users to interact with MSD's customer service staff.

Bruce Seigle, director of MSD's Information and Technology Division, said the site's home page includes announcement space that can be updated or changed as often as necessary to highlight specific issues or projects. "This is a dynamic site," Seigle said. "There's nothing static about it."



Magazine features stream restoration efforts

MSD's policy to restore streams through natural channel design and soil bioengineering is featured in the March 1999 issue of *Public Works* magazine.

A three-person team led by Angela Akridge, a bioenvironmental engineer with MSD, wrote the four-page article. Akridge's co-authors are Dr. Joseph D. Eigel, senior project engineer with Gresham, Smith and Partners, and J. George Athanasakes, project manager with Fuller, Mossbarger, Scott and May Engineers, Inc.

The article details how MSD applies soil bioengineering techniques to a range of projects, from repairing an isolated bank failure to major stream restorations. It also follows the development of two pilot soil bioengineering projects completed between November 1997 and March 1998: the south fork of Beargrass Creek at Lakeview Condominiums and Winding Falls Stream Relocation.

To complete these and similar projects, MSD relies on a team of engineers, hydrologists, fluvial geo-

morphologists, biologists, vegetation specialists and landscape architects. "Construction requires both earthmoving and landscaping skills," the article states, noting that many bioengineering installations must be accomplished on steep slopes with difficult site access and other adverse conditions.

The goals of MSD's policy include providing erosion prevention and sediment control, enhancing the vegetation corridor along streams and reducing maintenance costs. According to the article, both projects featured have performed well with vegetation establishing quickly and no repairs required.

"Using combinations of natural vegetation and traditional drainage methods to improve conveyance channels is an emerging field," said MSD Executive Director Gordon Garner. "Through this article we were able to share our experiences and perhaps encourage other companies to try it."

Public Works magazine is published monthly with paid circulation of 55,000.

Upcoming Events

April 1, 1999 - Public Meeting on Big Run (BR-5C) collector project, 7 p.m., Southwest Government Center, 7219 Dixie Hwy.

April 12 & 13, 1999 - Public Meeting on Private Property Inflow Source Correction Pilot Project, 7 p.m., St. Matthews Elementary School, 601 Browns Lane.

April 12, 1999 - MSD Board Meeting, 10 a.m., 700 W. Liberty, first floor

Pilot project to reduce basement backups

MSD is initiating a pilot project to locate and eliminate illicit connections to the sanitary sewer system.

The Private Property Inflow Source Correction Pilot Project calls for voluntary inspections by an MSD inspector/customer specialist of homes to locate sump pumps, roof drains or other drainage mechanisms that send stormwater and ground water into the sanitary sewer system. Those connections will be corrected by MSD at no charge to homeowners.

According to MSD's Wet Weather Administrator Dr. Roddy Williams, "One sump pump discharging into a sewer line is the equivalent of the wastewater from seven households, placing extra burden on sewer line capacity." The pilot should help reduce basement flooding and sanitary sewer overflows caused by heavy rains.

The pilot will begin in four areas: Old Cannons Lane, Woodland Hills, Beechwood and a small part of Jeffersontown. In each of the target areas, public meetings will be held to inform homeowners about the project and answer their questions.

Williams said if the pilot is successful in these four areas, it may be expanded to serve MSD's entire service area.



MSD

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Telemetry monitoring system expanding

The radio telemetry system that provides monitoring and security surveillance for certain MSD facilities will be soon expanded.

MSD began installing the first phase of this system in May 1998. By November, this first phase of the system was monitoring activity at 61 small lift stations, 10 large pumping stations and four wastewater treatment plants. "The system's performance has met all of our expectations," said Carl A. Neumayer, MSD's director of operations.

Using the monitoring information from the radio telemetry system, Neumayer said MSD's Urban Area Department currently is assessing the frequency of scheduled operational inspections, emergency dispatching and maintenance servicing

of facilities. "Early assessments indicate significant opportunity to redirect staffing resources using the radio telemetry system," he said.

Now MSD is expanding its radio telemetry system to include 65 more remote terminal sites, system training and software, and additional monitoring services including a depth gauge for wet well level, cumulative flow metering and real time rainfall gauging. Cost of the telemetry system expansion into Phase 2 is \$608,601, plus about \$15,000 in annual system maintenance after the first-year system warranty expires.

Neumayer said that ultimately the radio telemetry system can be integrated into a centralized supervisory control and data acquisition system



Floyd's Fork area watershed

New development to eliminate pump station

An aging pump station will be eliminated and the area served by a new one as part of an expanding residential development.

To serve Section 6 of the Springview subdivision, the developers proposed building a new pump station as part of a lateral extension project. MSD's Chenwood Pump Station will be eliminated and the grounds near it restored, and 400 feet of gravity sewer will be built to divert flows to the new Springview Pump Station.

As part of the plan, MSD will pay \$47,482.46 for a portion of the new pump station's construction and elimination of the Chenwood Pump Station.

MSD had planned to eliminate the Chenwood Pump Station as part of the Billtown Road capital project about four years from now, according to Vicki Coombs, MSD's Floyd's Fork area team leader. Estimated operations, maintenance and elimination costs for Chenwood over four years are \$77,000, Coombs said. "By spending \$47,482 currently on this project, MSD will realize savings of about \$30,000," she said.



Morris Forman Wastewater Treatment Plant

New water line to ensure plant's continuous operation

A new 12-inch water line at Morris Forman Wastewater Treatment Plant (MFWTP) will be installed soon.

The new line will serve as a back-up to a 10-year-old existing line that conveys more than 1 million gallons per day to the plant from the Louisville Water Company.

The need for an additional water line became apparent when repairs to the water vault to the existing line were needed, said Saeed Assef, MFWTP area team leader. "To repair the vault, the line must be taken out of service and potable water is critical to plant operations," Assef said. "The plant cannot have water outages greater than a few hours, and replacing the vault would take the line out of service for up to a week."

The new line will increase MFWTP reliability, provide a backup to the existing line, and allow the existing water vault to be rehabilitated, Assef said. Both water lines will be equipped with backflow prevention valves, which are now required for water connections to wastewater treatment plants to protect the community from potential contamination. When the existing line was installed about 10 years ago, backflow prevention valves were not required.

Pace Contracting, LLC will perform the work at a cost of \$78,000.

Employees express interest in early retirement incentive

Some 190 employees have signed non-binding notices of interest of intent to exercise an early retirement incentive package offered by MSD.

March 19th was the deadline for eligible employees to sign the non-binding notice of interest, according to MSD's Human Resources Director Michael Crawford. "Many people are still in the decision-making process," Crawford said. Employees have until April 30th to officially notify MSD of their intent to accept the early retirement incentive.

MSD's early retirement incentive plan grew out of 1998 legislation which allows any participant in the Kentucky Retirement Systems with 20 years of service credit to purchase up to five years of retirement service credit. Under the incentive plan, MSD will offer to pay employees who are eligible for early retirement for up to five years of service credit, which eligible employees may pay to Kentucky Retirement Systems in exchange for service credits.

Crawford said a representative of the County Employee Retirement System (CERS) will conduct group meetings with employees who have submitted non-binding notices of interest. The meetings will be April 3rd and 17th at the Gheens Center. The CERS representative will discuss all aspects of the retirement and service buyout processes. Cost benefits and cost projections for buying service credits will be prepared for each employee who has submitted a non-binding notice of interest of intent to exercise the early retirement incentive.

MSD employees who plan to accept the early retirement incentive must sign their final notification of intent to retire and a declaration to retire form by April 30, 1999, with retirement to occur by September 30, 1999. Crawford noted that MSD may extend the retirement date for some retiring employees in order to complete high priority tasks and projects.



Pond Creek area watershed

Drainage improvement planned for Candlelight

Construction of a 1,385-foot paved channel at the rear of properties on Afterglow Drive should promote better drainage in the Candlelight neighborhood near Outer Loop.

The new channel will run along the CSX Railroad right-of-way. The project is part of MSD's Annual Maintenance Program. J&B Utility Contractors Inc., Crestwood, will perform the work for \$79,616.

The Candlelight neighborhood is similar to others throughout the Pond Creek watershed, according to Area Team Leader Dave Schafflein. "The subdivision is densely populated, has small lots and was built on flat land with little regard for drainage," Schafflein said. "Those add up to a challenging situation for MSD."

REMEMBERING

MSD Retiree Steve Seay who passed away this week. He had been a Maintenance Supervisor and with MSD for 25 years.

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