

YOU ARE INVITED!

MSD is inviting our Derek Guthrie WQTC neighbors to an Open House to learn more about plans for improving and expanding our treatment process. Join us at the facility on **Saturday, October 3, between 10AM and 2PM**, where MSD staff will be conducting tours of the plant and addressing questions or concerns you may have about the proposed improvements, which include:

- New Influent Pump Station
- New Screening Facility
- Rehabilitated Wet Weather Pump Station
- Detention Basins
- Expanded Grit Facilities
- Renovated Odor Control Systems
- New Aeration Basin
- New Secondary Clarifiers
- Expanded Chlorine Contact Basin
- Expanded Chemical Feed Systems



Clean, Green, Growing Community

Regulatory Services Division
700 West Liberty Street
Louisville, KY 40203-1911



Neighborhood Open House

Saturday, October 3, 2009
10AM to 2PM

**DEREK R. GUTHRIE
WATER QUALITY TREATMENT CENTER**
11601 Lower River Road
Louisville, Kentucky



WWW.MSDLOUKY.ORG

Clean, Green, Growing Community

A MESSAGE FROM H. J. SCHARDEIN, JR.



As our community grows, our infrastructure must also grow. To sustain the vision of a vibrant, healthy community, MSD and our customers have worked together in the past decades to invest over one billion dollars in infrastructure improvements needed to enhance the current water quality in our neighborhoods, while planning for our future needs. The Derek Guthrie Water Quality Treatment Center (formerly the West County Wastewater Treatment Plant) was planned as part of that growth. Expanding the Derek Guthrie Water Quality Treatment Center now brings improvements and opportunities for our future.

As with most major U.S. cities, the Federal government has mandated certain improvements to our sewer system as guided by the Federal Clean Water Act. To address these challenges, MSD has embarked on a comprehensive program called Project WIN, or Waterway Improvements Now. One such improvement is the minimization or elimination of sewage overflows into our city's waterways. In your neighborhood, these overflows occur along area streams during wet weather events, resulting in a health risk to you and your family.

In an effort to meet the guidelines of the Federal Clean Water Act, minimize sewage overflows and improve your neighborhood's water quality, the Guthrie Water Quality Treatment Center is expanding to treat additional wet weather flow that would otherwise flow into neighborhood streams. Please join us at a Neighborhood Open House on October 3, 2009, to learn more about our proposed improvements.

I sincerely hope you will see the benefits from this expansion. Project WIN will ensure that Louisville Metro residents and future generations can enjoy clean waterways for now and many years to come.

H.J. Schardein, Jr.
MSD Executive Director



A GROWING CITY

Clean water is essential for our well-being. With the continued growth of southern Jefferson County, MSD continues to work to maintain a high standard of water quality. To handle the increasing demands on our sewer system, we must build new infrastructure and improve existing infrastructure. By providing wet weather treatment at the Derek Guthrie Water Quality Treatment Center, we are investing in the future of your neighborhood and the entire community. Although the construction process will cause some inconveniences to our neighbors, the benefits to you and the community are enormous and long-lasting.



COMMUNITY BENEFITS

The improved Derek Guthrie Water Quality Treatment Center will benefit your community by:

- Treating an additional 100 million gallons per day peak flow.
- Minimizing sewage overflows into area streams.
- Improving stream water quality in your streams.
- Discharging cleaner water to the Ohio River.
- Meeting State and Federal water quality standards.



MSD TIMELINE

1964 1974 1979 1986 2000 2003 2005 2008 2008-9

MSD established the need for a regional wastewater treatment plant in southern Jefferson County in the 1964 Master Plan.

MSD's Water Quality Management Plan recommended a phased approach for the Mill Creek and Pond Creek areas.

A 15 MGD Screenings and Pump Station facility began operating on the West County WWTP site. Flows were treated at the Morris Forman WWTP.

Phase 1 of the West County WWTP was constructed with a new secondary treatment process with a 15 MGD capacity.

Phase 2 of the West County WWTP expanded the capacity to 19.5 MGD.

Phase 3 of the West County WWTP expanded the capacity to 30 MSD.

MSD entered into Consent Decree and established a 2011 deadline for abatement of major sanitary sewer overflows.

West County WWTP renamed Derek R. Guthrie Water Quality Treatment Center.

MSD initiates the design of a new wet weather treatment facility that will capture more wastewater upstream of the WQTC.