

ODOR CONTROL CONSULTANT FOR THE METROPOLITAN SEWER DISTRICT LOUISVILLE, KY

FINAL PROJECT SCORECARD

☐ **On-call services contract since 1994**

☐ **Monthly odor project review meetings**

☐ **Investigations, modeling, designs, construction services**

WEA has served as the odor consultant to the Louisville and Jefferson County MSD since 1994. In this role WEA consults with MSD on all odor related issues including odor control system evaluations, testing and designs at MSD facilities. Some of the major tasks have included:

- Design of several biofilters at MSD treatment plants
- Design of several adsorbers and chemical feed systems at pump stations in the collection system and at WWTP's.
- Extensive odor sampling and odor panel testing for four (4) wastewater treatment plants and two (2) pump stations
- Evaluation of MSD odor complaint monitoring program and develop guidelines for MSD's system of response.
- Preparation of design standards for odor control, and assist with operational odor control measures at MSD WWTP's.
- On-call response to odor complaints.
- Assistance in resolving odor complaints from University of Louisville due to sulfides discharged to sewer from a local industry.
- Design of \$2.4 million odor control project at the West County WWTP and \$600,000 improvements at the Jeffersontown WWTP.



Lakelet Way Chemical Feed System



Nightingale PS Carbon Adsorber