msd
Safe, clean waterways

700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

February 25th, 2025

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

RE: Ohio River STP, KPDES No: KY0106143
Discharge Monitoring Report for January 2025.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Ohio River STP, for the month January 2025.

See attached Overflow report.

There were no bypasses. There was one exceedance it was for E. Coli 7-day Geo with a permit limit of 240mg/L and a result of 3470 mg/L. There was maintenance performed on the UV system. Monthly E. Coli passed.

If you have any questions concerning the attached DMR's, please contact me at (502) 264-2804.

Sincerely,

Alex Smither
Process Supervisor

CAS/OR 1/25.

Cc: V. Teague, B. Tinnel

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**KY0106143**	**Permittee:**	Louisville and Jefferson County MSD	**Facility:**	OHIO RIVER WWTP
Major:	Yes	**Permittee Address:**	700 W Liberty St Louisville, KY 40203	**Facility Location:**	1901 LANDING RD GOSHEN, KY 40026
Permitted Feature:	001 External Outfall	**Discharge:**	**001-1** Domestic Wastewater from a Publicly Owned Treatment Works		

Report Dates & Status

Monitoring Period:	**From 01/01/25 to 01/31/25**	**DMR Due Date:**	**02/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Tony	**Title:**	Executive Director	**Telephone:**	502-540-6533
Last Name:	Parrott				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample						=	7.7					19 - mg/l		01/07 - Weekly	GR - Grab
					Permit Req.						>=	2.0 INST MIN					19 - mg/l	0	01/07 - Weekly	GR - Grab
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample	=	36.0	=	89.0	26 - lb/d			=	8.0	=	20.0	19 - mg/l		01/07 - Weekly	24 - 24 Hour Composite
					Permit Req.	<=	375.0 MO AVG	<=	563.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/l		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	G - Raw Sewage Influent	0	--	Sample								=	120.0	=	243.0	19 - mg/l		01/07 - Weekly	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/l		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.62			=	7.62	12 - SU		01/07 - Weekly	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample	=	25.0	=	40.0	26 - lb/d			=	6.0	=	9.0	19 - mg/l		01/07 - Weekly	CP - Composite
					Permit Req.	<=	375.0 MO AVG	<=	563.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/l	0	01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00530	**Solids, total suspended**	G - Raw Sewage Influent	0	--	Sample								=	104.0	=	216.0	19 - mg/l		01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/l	0	01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00600	**Nitrogen, total [as N]**	1 - Effluent Gross	0	--	Sample								=	43.6	=	54.8	19 - mg/l		01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/l	0	01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00600	**Nitrogen, total [as N]**	G - Raw Sewage Influent	0	--	Sample								=	55.5	=	62.7	19 - mg/l		01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/l	0	01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00610	**Nitrogen, ammonia total [as N]**	1 - Effluent Gross	0	--	Sample								=	0.4	=	0.4	19 - mg/l		01/07 - Weekly	24 - 24 Hour Composite
					Permit Req.								<=	20.0 MO AVG	<=	30.0 DAILY MX	19 - mg/l		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	0	--	Sample								=	3.13	=	3.87	19 - mg/l		01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/l	0	01/07 - Weekly	24 - 24 Hour Composite

					Value NODI																
00665	**Phosphorus, total [as P]**	G - Raw Sewage Influent	0	--	Sample									=	4.0	=	4.7	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI																
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	0.6084	=	1.4951	03 - MGD									0	99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										99/99 - Continuous	RC - Recorder (auto)
					Value NODI																
50050	**Flow, in conduit or thru treatment plant**	G - Raw Sewage Influent	0	--	Sample	=	0.7047	=	1.7419	03 - MGD									0	01/07 - Weekly	CA - Calculated
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										99/99 - Continuous	RC - Recorder (auto)
					Value NODI																
X 51040	**E. coli**	1 - Effluent Gross	0	--	Sample									=	9.2	=	3470.0	13 - #/100mL	0	01/07 - Weekly	GR - Grab
					Permit Req.									<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - Grab
					Value NODI																
81010	**BOD, 5-day, percent removal**	K - Percent Removal	0	--	Sample						=	93.1						23 - %		01/30 - Monthly	CA - Calculated
					Permit Req.						>=	85.0 MO AV MN						23 - %		01/30 - Monthly	CA - Calculated
					Value NODI																
81011	**Solids, suspended percent removal**	K - Percent Removal	0	--	Sample						=	94.4						23 - %	0	01/30 - Monthly	CA - Calculated
					Permit Req.						>=	85.0 MO AV MN						23 - %		01/30 - Monthly	CA - Calculated
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
51040	E. coli	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
OHIO_RIVER_COVER_1_25.pdf	pdf	42973.0

Report Last Saved By

Louisville and Jefferson County MSD

User:	ALEX.SMITHER@LOUISVILLEMSD.ORG
Name:	Charles Smither
E-Mail:	alex.smither@louisvillemsd.org
Date/Time:	2025-02-25 08:49 (Time Zone: -05:00)

Report Last Signed By

User:	ALEX.SMITHER@LOUISVILLEMSD.ORG
Name:	Charles Smither
E-Mail:	alex.smither@louisvillemsd.org
Date/Time:	2025-02-25 08:50 (Time Zone: -05:00)