

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

September 24th, 2024

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

RE: Ohio River STP, KPDES No: KY0106143
Discharge Monitoring Report for August 2024.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Ohio River STP, for the month August 2024.

See attached Overflow report.

There were no exceedances or bypasses.

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

Sincerely,

Alex Smither Process Supervisor

CAS/OR 8/24.

Cc: V. Teague, B. Tinnel

DMR Copy of Record

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 non-business email address), confidential business information (e.g., non-business cell phone number or non

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Permit Permit #: KY0106143 Permittee: Louisville and Jefferson County MSD Facility: OHIO RIVER WWTP Major: Yes **Permittee Address:** 700 W Liberty St **Facility Location:** 1901 LANDING RD Louisville, KY 40203 GOSHEN, KY 40026 **Permitted Feature:** 001 Discharge: 001-1 External Outfall Domestic Wastewater from a Publicly Owned Treatment Works Report Dates & Status **DMR Due Date:** 09/28/24 Status: **Monitoring Period:** From 08/01/24 to 08/31/24 **NetDMR Validated Considerations for Form Completion**

Principal Executive Officer

First Name: Tony Title: Executive Director 502-540-6533

Last Name: Parrott

No Data Indicator (NODI)

Form N	IODI:																			
	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]					Sample							7.4					19 - mg/L	01/07 - Wee		GR - GRAB
	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.						>=	2.0 INST MIN					19 - mg/L	01/07 - Wee	kly	GR - GRAB
	, <u> </u>				Value NODI															
					Sample	= 53.	0	=	79.0	26 - lb/d			=	12.0	=	16.0	19 - mg/L	01/07 - Wee	kly :	24 - COMP24
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.	.<= 375	5.0 MO AVG	<=	563.0 MX WK AV	26 - Ib/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
	, , , , , , , , , , , , , , , , , , ,				Value NODI															
					Sample								=	136.0	=	243.0	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
					Value NODI															
					Sample						=	7.4			=	7.6	12 - SU	01/07 - Wee	dy	GR - GRAB
00400	pH	1 - Effluent Gross	0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	01/07 - Wee	dy	GR - GRAB
	·				Value NODI															
					Sample	= 25.	6	=	79.0	26 - lb/d			=	6.0	=	6.0	19 - mg/L	01/07 - Wee	kly :	24 - COMP24
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.	.<= 375	5.0 MO AVG	<=	563.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	01/07 - Wee	kly :	24 - COMP24
					Value NODI															
					Sample								=	102.0	=	283.0	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
00530	Solids, total suspended	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
00000	остав, тога опоротива	o nan conago milani			Value NODI															
					Sample								=	32.75	=	39.0	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	G	Req Mon DAILY MX	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
					Value NODI															
					Sample								=	61.18	=	67.3	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon DAILY MX	19 - mg/L	01/07 - Wee	kly :	24 - COMP24
	1				Value NODI															
					Sample								=	0.9	=	1.5	19 - mg/L	01/07 - Wee	kly :	24 - COMP24
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.								<=	20.0 MO AVG	<=	30.0 DAILY MX	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
					Value NODI															
					Sample								=	4.54	=	5.04	19 - mg/L	01/07 - Wee	kly :	24 - COMP24
00665	Pheenherus total [ee D]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	G	Req Mon DAILY MX	19 - mg/L	01/07 - Wee	dy :	24 - COMP24
00000	Phosphorus, total [as P]	i - Elliuent Gross	U																	

					Value NODI										
00665	Phosphorus, total [as P]				Sample				=	4.66	=	7.17	19 - mg/L	01/07 - Weekly	24 - COMP24
		G - Raw Sewage Influent	0		Permit Req.					Req Mon MO AVG	i	Req Mon DAILY MX	(19 - mg/L	01/07 - Weekly	24 - COMP24
	and production for the state of	- The consideration			Value NODI										
					Sample =	0.466	= 0.713	03 - MGD						99/99 - Continuous	RC - Recorder (auto)
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						99/99 - Continuous	RC - Recorder (auto)
Tion, in conduct of	,				Value NODI										
	50050 Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0		Sample =	0.511	= 0.745	03 - MGD						99/99 - Continuous	RC - Recorder (auto)
50050					Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						99/99 - Continuous	RC - Recorder (auto)
					Value NODI										
		1 - Effluent Gross	0		Sample				=	1.0	=	1.0	13 - #/100mL	01/07 - Weekly	GR - GRAB
51040	E. coli				Permit Req.				<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB
0.0.0					Value NODI										
			0		Sample			=	91.2				23 - %	01/30 - Monthly	CA - CALCTD
81010	BOD, 5-day, percent removal	K - Percent Removal			Permit Req.			>=	85.0 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
81010	505, 5 day, percent removal	T Croom Removal			Value NODI										
			0		Sample			=	94.1				23 - %	01/30 - Monthly	CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal			Permit Req.			>=	85.0 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
01011	oonus, suspenueu percent removar	TO TOO THE THOUSE			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

No errors.

Comments

Attachments

Name	Туре	Size
OHIO_RIVER_COVER_8_24.pdf	pdf	27546.0
OhioRiverOverflow.pdf	pdf	62233.0

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: 2024-09-25 08:11 (Time Zone: -04:00)

Report Last Signed By

User: ALEX.SMITHER@LOUISVILLEMSD.ORG

Name: Charles Smither

E-Mail: alex.smither@louisvillemsd.org

Date/Time: 2024-09-25 08:12 (Time Zone: -04:00)

IMSAST0004 Overflow Report 8/1/2024 12:00:00 AM to 8/31/2024 12:00:00 AM

KPDES #	Facility ID	Water C	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region							
KY0106143	MSD0407	OHIO R	IVER		OHIO RIVER		NA							
Facility Type	Facility ID	Facility	Address	If Pump Station, Name of Station		Recieving St	ream	Discharge To						
Sewer Lift Station	MSD1253-PS	2500 N	MAYO LN	OHIO RIVER			POND CREE	K	GROUND					
Activity Code / Description	WO #	Ref#	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition			
DISREV:RAIN EVENT DISCHARGE	3825314		8/1/2024 11:40:00 AM	SANTEE 1	SANTEE	REPAIRED - ISSUE RESOLVED	8/1/2024 12:00:00 AM	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	08/02/24 06:06 AM				

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	STRUCTURAL FAILURE FORCE MAIN BREAK.
Clean Up:	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND IN THE STREAM.
Repair:	REPAIRED THE FORCE MAIN - ON GOING REPAIRS.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:	1.0		
8/1/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
8/1/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION	