

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

October 18th, 2024

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

RE: Kentucky State Reformatory STP, KPDES No: KY00400126

Discharge Monitoring Report for September 2024.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Kentucky State Reformatory STP, for the month September 2024.

There were no exceedances or bypasses.

See attached Overflow Report.

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

Sincerely

Alex Smither Process Supervisor

CAS 9/24

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 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 <a href="https://www.npace-need-no...">NPDES eReporting Help Desk</a> 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(I)(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 #:	KY0040126	Permittee:	Louisville and Jefferson County MSD	Facility:	KY STATE REFORMATORY WWTP
Major:	Yes	Permittee Address:	700 West Liberty St Louisville, KY 40203	Facility Location:	3001 W HWY 146 LA GRANGE, KY 40031
	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER		
Report Dates & Status					
Monitoring Period:	From 09/01/24 to 09/30/24	DMR Due Date:	10/28/24	Status:	NetDMR Validated
Considerations for Form Completio	n				
Principal Executive Officer					
First Name:	Tony	Title:	Executive Director	Telephone:	502-540-6533
Last Name:	Parrott				
No Data Indicator (NODI)					
Form NODI:					

Form N	IODI:																			
	Parameter	Monitoring Location	Season	# Param. NOD	I		Qu	antity or Lo	ading					<b>Quality or Conce</b>	ntration			# 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		Units			
					Sample						=	8.1					19 - mg/L			GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.						>=	7.0 INST MIN					19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
					Sample						=	7.58			=	7.89	12 - SU		01/07 - Weekly	GR - GRAB
00400	nH	1 - Effluent Gross	0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB
00.00	F	. Lindon Gross			Value NODI															
					Sample	= 4	7.53		74.3	26 - lb/d				10.3			19 - mg/L		,	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.	<= 2	50.0 MO AVG	<=	376.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	0	01/07 - Weekly 2	24 - COMP24
Cosso Comas, Com Caspenara				Value NODI																
					Sample								=	177.8	=	204.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
00530	00530 Solids, total suspended	G - Raw Sewage Influent	t O		Permit Req.									Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly 2	24 - COMP24
Constant Cappinaca	C Naw Ocwage imident	0		Value NODI																
					Sample								=	30.5	=	31.4	19 - mg/L		01/07 - Weekly (	CP - COMPOS
00000	Nitropon total Foo NI	4 Effluent Cross			Permit Req.									Reg Mon MO AVO		Req Mon DAILY MX	-		,	24 - COMP24
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Value NODI												J	U	,	
					Sample												19 - mg/L			CP - COMPOS
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	j	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample								=	0.2	=	0.2	19 - mg/L		01/07 - Weekly	CP - COMPOS
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1		Permit Req.								<=	2.0 MO AVG	<=	3.0 DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample								=	6.52	=	7.44	19 - mg/L		01/07 - Weekly (	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVO	3	Req Mon DAILY MX				24 - COMP24
00003	riiospiiorus, totai [as r]	1 - Elliuent Gross	U		Value NODI													7		
														7.99		9.15	10 mg/l		01/07 Wookly	CP - COMPOS
					Sample Permit Reg.									Reg Mon MO AVO		Reg Mon DAILY MX	19 - mg/L			24 - COMP24
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0											Ned MOU MO AAG	,	Ved MOU DAILT MY	19 - IIIg/L	0	OTIOI - WEEKIY	24 - GOIVIF 24
					Value NODI															
					Sample								=	236.7	=	259.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
00000	Hardness, total [as CaCO3]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly 2	24 - COMP24
00900	Haruness, wai jas Cacosj	1 - Lilluelli Gloss	U															U		

					Value NODI																
					Sample						=	0.0207	=	0.023	19 - mg/L		01/07 - Weekly	CP - COMPOS			
01119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24			
					Value NODI																
					Sample						=	5.0			28 - ug/L		01/07 - Weekly	CP - COMPOS			
34306	Chlorodibromomethane	1 - Effluent Gross	0		Permit Req.						<=	13.0 MO AVG			28 - ug/L		01/07 - Weekly	24 - COMP24			
					Value NODI																
				Sample =	0.5837	=	0.4214	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 AV	AVG	Req Mon MX WK AV	AV 03 - MGD							0	99/99 - Continuous	RC - Recorder (auto)			
and the state of t	. Lincoln Gross			Value NODI																	
	50050 Flow, in conduit or thru treatment plant G -				Sample =	0.6833	=	1.5268	03 - MGD								01/07 - Weekly	CA - CALCTD			
50050		nt plant G - Raw Sewage Influent	0		Permit Req.	Req Mon MO AV	G	Req Mon MX WK AV	03 - MGD							0	01/07 - Weekly	CA - CALCTD			
					Value NODI																
		1 - Effluent Gross			Sample						-	0.01	-	0.01	19 - mg/L		01/07 - Weekly	GR - GRAB			
50060	50060 Chlorine, total residual		0		Permit Req.						<=	0.011 MO AVG	<=	0.019 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB			
					Value NODI																
		1 - Effluent Gross			Sample						=	1.0	=	1.0	13 - #/100mL		01/07 - Weekly	GR - GRAB			
51040	E. coli		0		Permit Req.						<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB			
					Value NODI																
					Sample =	37.0	=	46.0	26 - Ib/d		=	8.0	=	9.0	19 - mg/L		01/07 - Weekly	CP - COMPOS			
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0		Permit Req. <=	83.5 MO AVG	<=	125.0 MX WK AV	26 - Ib/d		<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24			
	, , , , , , , , , , , , , , , , , , , ,							Value NODI													
					Sample						=	157.0	=	189.0	19 - mg/L		01/07 - Weekly	CP - COMPOS			
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0		Permit Req.							Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24			
	, , , , , , , , , , , , , , , , , , , ,	J			Value NODI																
					Sample				=	94.9					23 - %		01/30 - Monthly	CA - CALCTD			
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0		Permit Req.				>=	85.0 MO AV MN					23 - %	0	01/30 - Monthly	CA - CALCTD			
					Value NODI																
	_				Sample				=	94.2					23 - %		01/30 - Monthly	CA - CALCTD			
81011	Solids, suspended percent removal	K - Percent Removal	0		Permit Req.				>=	85.0 MO AV MN					23 - %	0	01/30 - Monthly	CA - CALCTD			
					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
KSR_COVER_9_24.pdf	pdf	38910.0
KSR_OVERLOW_9_24.pdf	pdf	56503.0

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: 2024-10-18 13:48 (Time Zone: -04:00)

Report Last Signed By

User: ALEX.SMITHER@LOUISVILLEMSD.ORG

Name: Charles Smither

E-Mail: alex.smither@louisvillemsd.org
Date/Time: 2024-10-18 13:49 (Time Zone: -04:00)



KPDES #	Facility	Water Quality Trea	atement Center	Receiving Strea	r Region	
KY0040126	ID MSD0411	KSR		CEI	NA	
Facility Type	Facility ID	Facility Address	If Pump Station, Nam	e of Pump Station:	Receiving Stream	Discharge to
SLSSewer Lift Station MSD1243-PS		1815 N STHY 393	KSR		CURRYS FORK	GROUND
	<b>WO # Ref No Initiated</b> 3853652 09/27/20			vent Date Problem 04/15/2024 LACK OF SYSTEM	Result UNAUTHORIZED DISCHARGE-	Completed Condition 09/27/24 12:00 PM

N / REPAIR

CAPACITY

WATERS

## Discharge Reporting:

Discharge Amount:	550 GAL	
Čause:	LACK OF SYSTEM CAPACITY.	
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.	
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.	
Impact:	SEWAGE FOUND AROUND WET WELL.	
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR.	
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.	

## Notifications:

9/27/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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