

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

August 14st, 2024

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

RE: Kentucky State Reformatory STP, KPDES No: KY00400126

Discharge Monitoring Report for July 2024.

Dear Ms. Dennis:

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

There were no exceedances, overflows and no bypasses.

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

Sincerely,

Alex Smither Process Supervisor

CAS 7/24

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 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.npde.com/npack-new-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-npack-

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
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER		
Report Dates & Status					
Monitoring Period:	From 07/01/24 to 07/31/24	DMR Due Date:	08/28/24	Status:	NetDMR Validated
Considerations for Form Completion	on				
Principal Executive Officer					
First Name:	Tony	Title:	Executive Director	Telephone:	502-540-6533
Last Name:	Parrott				

No Data Indicator (NODI)

00900 Hardness, total [as CaCO3]

1 - Effluent Gross

Form N	IODI:																			
	Parameter	Monitoring Location	Season #	Param. NOD	I		Qı	uantity or Lo	oading					Quality or Conce	ntration			# of E	x. Frequency of Analysis	Sample Type
Code	Name				(Qualifier 1	Value 1	Qualifier :	2 Value 2	Units Q	Qualifier 1	Value 1	Qualifier	2 Value 2	Qualifier	3 Value 3	Units			
					Sample					=		7.1					19 - mg/L		01/07 - Weekly	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					=	ı	7.13			=	7.45	12 - SU		01/07 - Weekly	GR - GRAB
00400	pH	1 - Effluent Gross	0		Permit Req.					>	=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB
					Value NODI															
					Sample	=	40.4	=	58.9	26 - lb/d			=	8.8	=	13.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
00530	0530 Solids, total suspended 1 -	1 - Effluent Gross	0		Permit Req. <	<=	250.0 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	24 - COMP24
00000		. Lindon Gross			Value NODI															
					Sample								=	371.0	=	928.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
00530	Solids, total suspended	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
		o management			Value NODI															
					Sample								=	24.1	=	35.4	19 - mg/L		01/07 - Weekly	CP - COMPOS
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVO	3	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample								=	45.1	=	51.3	19 - mg/L		01/07 - Weekly	CP - COMPOS
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	3	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
000.0		. Lindon Gross			Value NODI															
					Sample								=	5.47	=	7.54	19 - mg/L		01/07 - Weekly	CP - COMPOS
00665 Phosphorus	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVO	3	Req Mon DAILY MX	19 - mg/L	4	01/07 - Weekly	24 - COMP24
	total production (_		Value NODI															
					Sample								=	7.76	=	9.3	19 - mg/L		01/07 - Weekly	CP - COMPOS
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	. 0		Permit Req.									Req Mon MO AVO	}	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
30000		Somagedoin			Value NODI															
					Sample								=	247.0	=	280.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
					D 11 D									D 14 140 11/6		D 14 140/140/ 40/			04/07 14/ 11	04 0014004

Req Mon MO AVG

Req Mon MX WK AV 19 - mg/L

01/07 - Weekly

24 - COMP24

					Value NODI																
					Sample						=	0.0105	=	0.011	19 - mg/L		01/07 - Weekly	CP - COMPOS			
01119	01119 Copper, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVO	}	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 =	0.568	=	0.749	03 - MGD								99/99 - Continuous	RC - Recorder (auto)			
50050	50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.	Req Mon MO AV	G	Req Mon MX WK AV	03 - MGD							0	99/99 - Continuous	RC - Recorder (auto)			
					Value NODI																
					Sample =	0.6937	=	0.846	03 - MGD								01/07 - Weekly	CA - CALCTD			
50050	Flow, in conduit or thru treatment 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																
					Sample						=	0.01	=	0.01	19 - mg/L		01/07 - Weekly	GR - GRAB			
50060	Chlorine, total residual	1 - Effluent Gross	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 =	35.0	=	63.0	26 - Ib/d		=	7.5	=	14.0	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 - lb/d		<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24			
					Value NODI																
					Sample						=	225.0	=	372.0	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			
								Value NODI													
		oval K - Percent Removal			Sample				=	96.7					23 - %		01/30 - Monthly	CA - CALCTD			
80091	BOD, carb-5 day, 20 deg C, percent removal		0		Permit Req.				>=	85.0 MO AV MN					23 - %	0	01/30 - Monthly	CA - CALCTD			
					Value NODI																
					Sample				=	97.6					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_7_24.pdf	pdf	29927.0

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: 2024-08-14 08:34 (Time Zone: -04:00)

Report Last Signed By

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