



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

June 20th, 2026

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

**RE: Kentucky State Reformatory STP, KPDES No: KY00400126
Discharge Monitoring Report for May 2026.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Kentucky State Reformatory STP, for the month of May 2026.

There were no overflows or bypasses. There were two exceedances. One for daily maximum ammonia with a result of 5.2 mg/L with a permit limit of 3.0 mg/L. Prior to sampling, the plant was running below normal aeration operational conditions due to high flow from rainfall. We also had a rotor gearbox fail. It was replaced within a couple days, but the plant did not have enough time to recover before sampling. The second exceedance was for 7-day geo E. Coli. We had a result of 9198 mg/L with a permit limit of 240 mg/L. We were over flow capacity every day that week and struggled to get good residuals due to shortened contact time. The plant is currently under review for expansion and a new disinfection system.

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

Sincerely,

Alex Smither
Process Supervisor

CAS/KSR 5/26

Cc: V. Teague, B. Tinnel

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.

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Permit

Permit #:

KY0040126

Major:

Yes

Permittee:

Louisville and Jefferson County MSD

Permittee Address:

700 West Liberty St
Louisville, KY 40203

Facility:

KY STATE REFORMATORY WWTP

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 05/01/26 to 05/31/26

DMR Due Date:

06/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Tony

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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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						=	8.3					19 - mg/L	0	01/07 - Weekly	GR - Grab
					Permit Req.						>=	7.0 INST MIN					19 - mg/L		01/07 - Weekly	GR - Grab
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.02			=	8.5	12 - SU	0	01/07 - Weekly	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/07 - Weekly	GR - Grab
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	38.7	=	54.3	26 - lb/d			=	6.0	=	9.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	265.5	=	326.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	18.7	=	30.0	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															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample								=	37.3	=	48.4	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															
X00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample								=	2.0	=	5.2	19 - mg/L	1	01/07 - Weekly	CP - Composite
					Permit Req.								<=	2.0 MO AVG	<=	3.0 DAILY MX	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	3.41	=	4.39	19 - mg/L	3	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															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample								=	6.13	=	7.3	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															
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample								=	247.8	=	263.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite

					Value NODI																	
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample									=	0.0165	=	0.022	19 - mg/L		01/07 - Weekly	CP - Composite	
					Permit Req.										Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI																	
34306	Chlorodibromomethane	1 - Effluent Gross	0	--	Sample									=	5.0			28 - ug/L		01/07 - Weekly	CP - Composite	
					Permit Req.										<=	13.0 MO AVG						28 - ug/L
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.8196	=	1.22	03 - MGD									0	99/99 - Continuous	RC - Recorder (auto)	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD												
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	0.9221	=	1.413	03 - MGD									0	01/07 - Weekly	CA - Calculated	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD												
					Value NODI																	
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									=	0.01	=	0.01	19 - mg/L		01/07 - Weekly	GR - Grab	
					Permit Req.									<=	0.011 MO AVG	<=	0.019 DAILY MX	19 - mg/L				
					Value NODI																	
X 51040	E. coli	1 - Effluent Gross	0	--	Sample									=	98.4	=	9198.0	13 - #/100mL	0	01/07 - Weekly	GR - Grab	
					Permit Req.									<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL				
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	22.0	=	33.0	26 - lb/d				=	3.3	=	5.0	19 - mg/L	0	01/07 - Weekly	CP - Composite	
					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					
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample									=	164.0	=	270.0	19 - mg/L	0	01/07 - Weekly	CP - Composite	
					Permit Req.										Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI																	
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98.0						23 - %	0	01/30 - Monthly	CA - Calculated	
					Permit Req.						>=	85.0 MO AV MN						23 - %				
					Value NODI																	
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	97.7						23 - %	0	01/30 - Monthly	CA - Calculated	
					Permit Req.						>=	85.0 MO AV MN						23 - %				
					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					
00610	Nitrogen, ammonia total [as N]	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
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		Size
KSR_COVER_5_26.pdf		46849.0

Report Last Saved By

Louisville and Jefferson County MSD

User:	REED0325
Name:	Scott Reed
E-Mail:	reeds@louisvillemsd.org
Date/Time:	2026-06-25 11:14 (Time Zone: -04:00)

Report Last Signed By

User:	ALEX.SMITHER@LOUISVILLEMSD.ORG
Name:	Charles Smither
E-Mail:	alex.smither@louisvillemsd.org
Date/Time:	2026-06-25 11:57 (Time Zone: -04:00)