



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

February 19<sup>th</sup>, 2026

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

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

Dear Ms. Dennis:

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

There were no overflows or bypasses. There were 5 exceedances. One for weekly max E. Coli, with a result of 3865 mg/L with a limit of 240 mg/L. Second was for monthly average BOD, with a result of 17.3 mg/L with a limit of 10 mg/L. Third was for weekly max BOD, with a result of 49 mg/L with a limit of 15 mg/L. Fourth exceedance was for pounds of BOD monthly average of 85 lbs. with a limit of 83.5 lbs. Last exceedance was for max week average of pounds of BOD with a result of 243 lbs. with a limit of 125 lbs.

We have a food processing facility that discharges their effluent to KSR for processing. They have recently experienced a severe reactor upset and experienced significant plant issues. During this time, they discharged very high BOD effluent which significantly affected the KSR treatment plant. We have since met with the owners of the food processing facility. We also made significant adjustments to the KSR treatment plant. We only had one bad week at KSR that gave us each of these exceedances.

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

Sincerely,

Alex Smither  
Process Supervisor

CAS/KSR 1/26

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			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 01/01/26 to 01/31/26					DMR Due Date:					02/28/26					Status:					NetDMR Validated				
Considerations for Form Completion																													
Principal Executive Officer																													
First Name:					Tony					Title:					Executive Director					Telephone:					502-540-6000				
Last Name:					Parrott																								
No Data Indicator (NODI)																													
Form NODI:		--																											
Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type											
						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						=	9.3						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						=	7.6					=	8.6	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	=	59.7	=	153.8	26 - lb/d		=	12.3	=	31.0	19 - mg/L	1	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							=	130.8	=	194.0	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							=	20.4	=	42.2	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							=	41.4	=	47.7	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																								
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	0.4	=	0.9	19 - mg/L	0	01/07 - Weekly	CP - Composite										
					Permit Req.							<=	5.0 MO AVG	<=	7.5 DAILY MX	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite										
					Value NODI																								
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	3.33	=	4.75	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							=	6.42	=	7.8	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							=	237.5	=	253.0	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																								

Code	Parameter	Monitoring Location	Field	Type	Description	Acknowledge
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Value NODI Sample = 0.015 Permit Req. = 0.018 Value NODI = 19 - mg/L	01/07 - Weekly CP - Composite 01/07 - Weekly 24 - 24 Hour Composite
34306	Chlorodibromomethane	1 - Effluent Gross	0	--	Value NODI Sample = 5.0 Permit Req. <= 13.0 MO AVG Value NODI = 28 - ug/L	01/07 - Weekly CP - Composite 01/07 - Weekly 24 - 24 Hour Composite
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Value NODI Sample = 0.584 Permit Req. = 0.675 Value NODI = 03 - MGD	99/99 - Continuous RC - Recorder (auto) 99/99 - Continuous RC - Recorder (auto)
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Value NODI Sample = 0.6769 Permit Req. = 0.763 Value NODI = 03 - MGD	01/07 - Weekly CA - Calculated 01/07 - Weekly CA - Calculated
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Value NODI Sample = 0.01 Permit Req. <= 0.011 MO AVG Value NODI <= 0.019 DAILY MX	01/07 - Weekly GR - Grab 01/07 - Weekly GR - Grab
X 51040	E. coli	1 - Effluent Gross	0	--	Value NODI Sample = 42.5 Permit Req. <= 130.0 30DA GEO Value NODI <= 3865.0 7 DA GEO	01/07 - Weekly GR - Grab 01/07 - Weekly GR - Grab
X 80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Value NODI Sample = 85.0 Permit Req. <= 83.5 MO AVG Value NODI <= 243.0 26 - lb/d Sample = 17.3 Permit Req. <= 10.0 MO AVG Value NODI <= 49.0 19 - mg/L	01/07 - Weekly CP - Composite 01/07 - Weekly 24 - 24 Hour Composite
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Value NODI Sample = 343.0 Permit Req. = 676.0 Value NODI = 19 - mg/L	01/07 - Weekly CP - Composite 01/07 - Weekly 24 - 24 Hour Composite
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Value NODI Sample = 95.0 Permit Req. >= 85.0 MO AV MN Value NODI = 23 - %	01/30 - Monthly CA - Calculated 01/30 - Monthly CA - Calculated
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Value NODI Sample = 90.6 Permit Req. >= 85.0 MO AV MN Value NODI = 23 - %	01/30 - Monthly CA - Calculated 01/30 - Monthly CA - Calculated

**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**

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
51040	E. coli	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quantity or Loading Sample Value 1	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes

**Comments**

**Attachments**

Name	Type	Size
KSR_COVER_1_26.pdf	pdf	54479.0

**Report Last Saved By**

**Louisville and Jefferson County MSD**

User: ALEX.SMITHER@LOUISVILLEMSD.ORG  
 Name: Charles Smither  
 E-Mail: alex.smither@louisvillemisd.org  
 Date/Time: 2026-02-19 12:54 (Time Zone: -05:00)

**Report Last Signed By**

User: ALEX.SMITHER@LOUISVILLEMSD.ORG  
 Name: Charles Smither  
 E-Mail: alex.smither@louisvillemisd.org

