



Safe, clean waterways

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

September 17th, 2024

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

**RE: Kentucky State Reformatory STP, KPDES No: KY00400126  
Discharge Monitoring Report for August 2024.**

Dear Ms. Dennis:

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

There were no exceedances or overflows.

There was one bypass reported due to a power outage.

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

Sincerely,

Alex Smither  
Process Supervisor

CAS 8/24

Cc: V. Teague, B. Tinnel



					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample = 0.022															
					Permit Req. = 0.041															
					Value NODI = 19 - mg/L															
34306	Chlorodibromomethane	1 - Effluent Gross	0	--	Sample = 5.0															
					Permit Req. <= 13.0 MO AVG															
					Value NODI = 28 - ug/L															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample = 0.578															
					Permit Req. = 1.101															
					Value NODI = 03 - MGD															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample = 0.708															
					Permit Req. = 1.455															
					Value NODI = 03 - MGD															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample = 0.01															
					Permit Req. <= 0.011 MO AVG															
					Value NODI <= 0.019 DAILY MX															
51040	E. coli	1 - Effluent Gross	0	--	Sample = 1.0															
					Permit Req. <= 130.0 30DA GEO															
					Value NODI <= 240.0 7 DA GEO															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 27.0															
					Permit Req. <= 83.5 MO AVG															
					Value NODI <= 125.0 MX WK AV															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample = 225.0															
					Permit Req. = 376.0															
					Value NODI = 19 - mg/L															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample = 97.7															
					Permit Req. >= 85.0 MO AV MN															
					Value NODI = 23 - %															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 92.6															
					Permit Req. >= 85.0 MO AV MN															
					Value NODI = 23 - %															

**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	Type	Size
KSR_COVER_8_24.pdf	pdf	30170.0
KSROverflow.pdf	pdf	60252.0

**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 08:22 (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 08:23 (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 Quality Treatment Center		Receiving Stream of Discharge	Region						
KY0040126	MSD0411	KSR		CEDAR CREEK	NA						
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To						
Sewer Treatment Plant	MSD0411	1612 DAWKINS RD	KSR	CEDAR CREEK	STREAM						
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	3830623		8/16/2024 2:06:00 AM	SMITHER	SMITHER	REPAIRED - ISSUE RESOLVED	8/16/2024 12:00:00 AM	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATERS	08/16/24 04:45 AM	OTHER

**Discharge Reporting:**

Discharge Amount:	5,000 GAL
Cause:	POWER OUTAGE (LG&E) CAUSING DISINFECTION CHEMICALS NOT TO BE FED, NO SEWAGE LOSS.
Clean Up:	RESTORE POWER TO PLANT.
Control Zone:	NONE NEEDED.
Impact:	NO IMPACT OBSERVED.
Repair:	DISCUSSING FUTURE SECONDARY POWER TO PLANT.
Public Notification:	NONE NEEDED.

**Notifications:**

8/16/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/16/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION