



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

					Value NODI																	
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample = 0.0207 = 0.023												19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24			
					Value NODI																	
34306	Chlorodibromomethane	1 - Effluent Gross	0	--	Sample = 5.0 = 28 - ug/L													01/07 - Weekly	CP - COMPOS			
					Permit Req. <= 13.0 MO AVG													01/07 - Weekly	24 - COMP24			
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample = 0.5837 = 0.4214 03 - MGD													0	99/99 - Continuous	RC - Recorder (auto)		
					Permit Req. Req Mon MO AVG Req Mon MX WK AV 03 - MGD														99/99 - Continuous	RC - Recorder (auto)		
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample = 0.6833 = 1.5268 03 - MGD														0	01/07 - Weekly	CA - CALCTD	
					Permit Req. Req Mon MO AVG Req Mon MX WK AV 03 - MGD															01/07 - Weekly	CA - CALCTD	
					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															01/07 - Weekly	GR - GRAB	
					Value NODI																	
51040	E. coli	1 - Effluent Gross	0	--	Sample = 1.0 = 1.0 13 - #/100mL														0	01/07 - Weekly	GR - GRAB	
					Permit Req. <= 130.0 30DA GEO <= 240.0 7 DA GEO															01/07 - Weekly	GR - GRAB	
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 37.0 = 46.0 26 - lb/d															0	01/07 - Weekly	CP - COMPOS
					Permit Req. <= 83.5 MO AVG <= 125.0 MX WK AV 26 - lb/d															01/07 - Weekly	24 - COMP24	
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample = 157.0 = 189.0 19 - mg/L															0	01/07 - Weekly	CP - COMPOS
					Permit Req. Req Mon MO AVG Req Mon MX WK AV 19 - mg/L																01/07 - Weekly	24 - COMP24
					Value NODI																	
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample = 94.9															0	01/30 - Monthly	CA - CALCTD
					Permit Req. >= 85.0 MO AV MN																01/30 - Monthly	CA - CALCTD
					Value NODI																	
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 94.2															0	01/30 - Monthly	CA - CALCTD
					Permit Req. >= 85.0 MO AV MN																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	Type	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 ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0040126	MSD0411	KSR	CEDAR CREEK	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLSSewer Lift Station	MSD1243-PS	1815 N STHY 393	KSR	CURRYS FORK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3853652		09/27/2024	BUTLER	BUTLER	QUEUED FOR INVESTIGATION / REPAIR	04/15/2024	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	09/27/24 12:00 PM	

Discharge Reporting:

Discharge Amount:	550 GAL
Cause:	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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