



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

April 16th, 2024

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

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

Dear Ms. Dennis:

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

There were no exceedances, overflows, and one bypass. There was a force main break on the Buckner Elimination Force Main in Buckner.

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

Sincerely,

Alex Smither
Process Supervisor

CAS 3/24

Cc: V. Teague, B. Tinnel

50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample = 0.688 = 0.745 03 - MGD													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 19 - mg/L													01/07 - Weekly	GR - GRAB
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample < 36.376 < 152.0 13 - #/100mL													01/07 - Weekly	GR - GRAB
					Permit Req. <= 130.0 30DA GEO <= 240.0 7 DA GEO 13 - #/100mL													01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 30.0 < 41.0 26 - lb/d = 5.0 = 6.0 19 - mg/L													01/07 - Weekly	24 - COMP24
					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													01/07 - Weekly	24 - COMP24
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample = 236.0 = 466.0 19 - mg/L													01/07 - Weekly	24 - COMP24
					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 = 97.8 23 - %													01/30 - Monthly	CA - CALCTD
					Permit Req. >= 85.0 MO AV MN 23 - %													01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 96.2 23 - %													01/30 - Monthly	CA - CALCTD
					Permit Req. >= 85.0 MO AV MN 23 - %													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_BYPASS_REPORT_3_24.pdf	pdf	44713.0
KSR_COVER_3_24.pdf	pdf	37841.0

Report Last Saved By

Louisville and Jefferson County MSD

User: ALEX.SMITHER@LOUISVILLEMSD.ORG
Name: Charles Smither
E-Mail: alex.smither@louisvillemad.org
Date/Time: 2024-04-16 14:49 (Time Zone: -04:00)

Report Last Signed By

User: ALEX.SMITHER@LOUISVILLEMSD.ORG
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**IMSAST0004
Overflow Report
3/1/2024 12:00:00 AM to 3/31/2024 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 Main	122738-CO	2040 COX LN	KSR	DARBY CREEK	GROUND						
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	3777443		3/29/2024 12:00:00 PM	BUTLER	SOSA RODRIGUEZ	REPAIRED - ISSUE RESOLVED	3/29/2024 12:00:00 AM	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	03/29/24 10:19 PM	

Discharge Reporting:

Discharge Amount:	5,850 GAL
Cause:	STRUCTURAL FAILURE - FORCE MAIN BREAK.
Clean Up:	MSD CONTRACTOR TO CLEAN AND SANITIZE THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE PRODUCTS FOUND ON THE GROUND.
Repair:	REPAIRED THE FORCEMAIN WO#3777436.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

3/29/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/29/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

4/15/2024

2:16:45 PM