



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

April 12th, 2023

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

**RE: Kentucky State Reformatory STP, KPDES No: KY00400126
Discharge Monitoring Report for March 2023.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Kentucky State Reformatory STP, for the month March 2023.

Also attached is the overflow report.

Also attached is 1st quarter biomonitoring.

There were no exceedances or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Curt Otto
Process Supervisor

CEO/ AA 03/23.

Cc: V. Teague, B. Tinnel

50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample = 0.662 = 0.835 03 - MGD Permit Req. Req Mon MO AVG Req Mon MX WK AV 03 - MGD Value NODI												01/07 - Weekly CA - CALCTD 01/07 - Weekly CA - CALCTD
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					< 0.01 <= 0.011 MO AVG	< 0.01 <= 0.019 DAILY MX	19 - mg/L 19 - mg/L	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB			
51040	E. coli	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					= 3.0 <= 130.0 30DA GEO	= 3.0 <= 240.0 7 DA GEO	13 - #/100mL 13 - #/100mL	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB			
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 19.91 = 29.87 26 - lb/d Permit Req. <= 83.5 MO AVG <= 125.0 MX WK AV 26 - lb/d Value NODI					= 6.0 <= 10.0 MO AVG	= 7.0 <= 15.0 MX WK AV	19 - mg/L 19 - mg/L	01/07 - Weekly 01/07 - Weekly	24 - COMP24 24 - COMP24			
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample Permit Req. Value NODI					= 188.0 Req Mon MO AVG	= 245.0 Req Mon MX WK AV	19 - mg/L 19 - mg/L	01/07 - Weekly 01/07 - Weekly	24 - COMP24 24 - COMP24			
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample = 97.0 Permit Req. >= 85.0 MO AV MN Value NODI							23 - % 23 - %	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD			
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 97.0 Permit Req. >= 85.0 MO AV MN Value NODI							23 - % 23 - %	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD			

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
KSRCover.pdf	pdf	34081.0
OverflowKSR.pdf	pdf	57359.0

Report Last Saved By

Louisville and Jefferson County MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG
Name: Curt Otto
E-Mail: curt.otto@louisvillemmsd.org
Date/Time: 2023-04-17 10:04 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG
Name: Curt Otto
E-Mail: curt.otto@louisvillemmsd.org
Date/Time: 2023-04-17 10:54 (Time Zone: -04:00)

DMR Copy of Record

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:				001-2 QUARTERLY BIOMONITORING												
Report Dates & Status																					
Monitoring Period:		From 01/01/23 to 03/31/23			DMR Due Date:				04/28/23				Status:		NetDMR Validated						
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:		James			Title:				Executive Director				Telephone:		502-540-6000						
Last Name:		Parrot																			
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				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample Permit Req.											<	1.0	2G - tox chronic		01/90 - Quarterly	GR - GRAB
					Value NODI											<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	GR - GRAB
Submission Note																					
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**IMSAST0004
Overflow Report
3/1/2023 12:00:00 AM to 3/31/2023 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
DISREV:RAIN EVENT DISCHARGE	3622688		3/3/2023 6:43:00 PM	THOMPSON	WOODWARD	REPAIRED - ISSUE RESOLVED	3/7/2023 12:00:00 AM	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE-WATERS	03/07/23 12:56 PM	

Discharge Reporting:

Discharge Amount:	100,000 GAL
Cause:	POWER OUTAGE LG&E.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL.
Control Zone:	TAPE.
Impact:	NO IMPACT OBSERVED - FACILITY UNDER ELEVATED CREEK LEVEL.
Repair:	LG&E RESTORED POWER.
Public Notification:	SITE.

Notifications:

3/4/23 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/4/23 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION