



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

July 18, 2023

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

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

Dear Ms. Dennis:

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

Also attached is 2nd quarter biomonitoring.

There was one exceedance no overflows and no bypasses.

BOD monthly average limit 10 with a result of 12mg/L.

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

Sincerely,

Curt Otto
Process Supervisor

CEO/ AA 06/23.

Cc: V. Teague, B. Tinnel

50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	0.536	=	0.591	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							=	5.61	=	7.0	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																
X 80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	39.3	=	66.2	26 - lb/d		=	12.0	=	14.0	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							=	277.0	=	1423.0	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					=	96.0					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					=	97.68					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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
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. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
KSRCCL.pdf	pdf	33373.0

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: 2023-07-19 10:24 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemmsd.org
 Date/Time: 2023-07-19 10:37 (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 04/01/23 to 06/30/23			DMR Due Date:				07/28/23				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. Value NODI											<	1.0	2G - tox chronic		01/90 - Quarterly	GR - GRAB
																<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	GR - GRAB
Submission Note																					
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No errors.																					
Comments																					
Attachments																					
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