



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

September 21, 2023

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

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

Dear Ms. Dennis:

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

There were no overflows, bypasses.

There was one exceedance:  
BOD5 Eff Gross Monthly limit 10mg/L with a result of 11 mg/L.

We have made repairs to reduce the BOD.

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

Sincerely,

Alex Smither  
Process Supervisor

Cc: V. Teague, B. Tinnel



50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	0.711	=	0.794	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								<	0.011	<	0.011	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								=	14.3	=	236.0	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	=	39.28	=	61.38	26 - lb/d			=	11.0	=	13.0	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								=	164.0	=	200.0	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					=	94.0						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					=	95.7						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. <b>Please verify that the value you have provided is correct.</b>	Yes

**Comments**

**Attachments**

Name	Type	Size
KSRCover_8_23.pdf	pdf	38008.0

**Report Last Saved By**

**Louisville and Jefferson County MSD**

User: ALEX.SMITHER@LOUISVILLEMSD.ORG  
 Name: Charles Smither  
 E-Mail: alex.smither@louisvillemmsd.org  
 Date/Time: 2023-09-21 14:35 (Time Zone: -04:00)

**Report Last Signed By**

User: ALEX.SMITHER@LOUISVILLEMSD.ORG  
 Name: Charles Smither  
 E-Mail: alex.smither@louisvillemmsd.org  
 Date/Time: 2023-09-25 08:00 (Time Zone: -04:00)