



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

January 24th, 2023

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

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

Dear Ms. Dennis:

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

There were no exceedances, overflows, bypasses.

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

DMR Copy of Record

Permit			
Permit #:	KY0040126	Permittee:	Louisville and Jefferson County MSD
Major:	Yes	Permittee Address:	700 West Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	KY STATE REFORMATORY WWTP 3001 W HWY 146 LA GRANGE, KY 40031

Report Dates & Status			
Monitoring Period:	From 12/01/23 to 12/31/23	DMR Due Date:	01/28/24
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Tony	Title:	Executive Director
Last Name:	Parrott	Telephone:	502-540-6533

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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	7.83					19 - mg/L	01/07 - Weekly	GR - GRAB		
					Permit Req.					>=	7.0 INST MIN					19 - mg/L	01/07 - Weekly	GR - GRAB		
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	6.97				=	7.43	12 - SU	01/07 - Weekly	GR - GRAB	
					Permit Req.					>=	6.0 MINIMUM				<=	9.0 MAXIMUM	12 - SU	01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	38.6	=	49.7	26 - lb/d		=	9.0		=	11.0	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.	<=	250.0 MO AVG	<=	376.0 MX WK AV	26 - lb/d		<=	30.0 MO AVG		<=	45.0 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	223.0		=	336.0	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	22.3		=	27.3	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	47.0		=	54.0	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample						=	0.3		=	0.6	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.						<=	5.0 MO AVG		<=	7.5 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						=	3.51		=	5.05	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample						=	8.07		=	8.97	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI															
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	244.7		=	282.0	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample						=	0.0143		=	0.017	19 - mg/L	01/07 - Weekly	24 - COMP24		

E-Mail: alex.smither@louisvillemsd.org
Date/Time: 2024-01-24 14:50 (Time Zone: -05:00)

01114	Lead, total recoverable	1 - Effluent Gross	0	--	Req. Value NODI												Req Mon MO AVG		Req Mon DAILY MX	mg/L	01/YR - Annual	COMP24			
X 01114	Lead, total recoverable	G - Raw Sewage Influent	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																				
					Value NODI																				
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																		19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI																				
X 01118	Chromium, total recoverable	G - Raw Sewage Influent	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																				
					Value NODI																				
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																		19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI																				
X 01119	Copper, total recoverable	G - Raw Sewage Influent	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																				
					Value NODI																				
34043	Phenolics, total	1 - Effluent Gross	0	--	Sample															19 - mg/L	01/YR - Annual	GR - GRAB			
					Permit Req.																		19 - mg/L	01/YR - Annual	GR - GRAB
					Value NODI																				
X 34043	Phenolics, total	G - Raw Sewage Influent	0	--	Sample															19 - mg/L	01/YR - Annual	GR - GRAB			
					Permit Req.																				
					Value NODI																				
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																		19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI																				
71901	Mercury, total recoverable	G - Raw Sewage Influent	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																		19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI																				
78247	Chromium, hexavalent tot recoverable	1 - Effluent Gross	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																		19 - mg/L	01/YR - Annual	24 - COMP24
					Value NODI																				
X 78247	Chromium, hexavalent tot recoverable	G - Raw Sewage Influent	0	--	Sample															19 - mg/L	01/YR - Annual	24 - COMP24			
					Permit Req.																				
					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

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
78247	Chromium, hexavalent tot recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
34043	Phenolics, total	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes

01119	Copper, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
01118	Chromium, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
01114	Lead, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
01113	Cadmium, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
01094	Zinc, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
01079	Silver total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
01074	Nickel, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00981	Selenium, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00980	Iron, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00978	Arsenic, total recoverable	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00940	Chloride [as Cl]	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00722	Cyanide, free [amenable to chlorination]	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes
00556	Oil & Grease	G - Raw Sewage Influent	All	Soft	EPA's NPDES national data system recognizes the selected No Data Indicator (NODI) code as a reporting violation. NPDES permittees are responsible for ensuring full compliance with their permits, the Clean Water Act, and state law.	Yes

Comments

Attachments

No attachments.

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: 2024-01-24 13:28 (Time Zone: -05:00)

Report Last Signed By

User: ALEX.SMITHER@LOUISVILLEMSD.ORG
Name: Charles Smither
E-Mail: alex.smither@louisvillemmsd.org
Date/Time: 2024-01-24 14:39 (Time Zone: -05:00)

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 10/01/23 to 12/31/23			DMR Due Date:				01/28/24				Status:		NetDMR Validated						
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:		Tony			Title:				Executive Director				Telephone:		502-540-6533						
Last Name:		Parrott																			
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																					
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																					
No attachments.																					
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:		2024-01-24 14:34 (Time Zone: -05:00)																			
Report Last Signed By																					
User:		ALEX.SMITHER@LOUISVILLEMSD.ORG																			
Name:		Charles Smither																			
E-Mail:		alex.smither@louisvillemSD.org																			
Date/Time:		2024-01-24 14:35 (Time Zone: -05:00)																			