



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

October 21st, 2024

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

**RE: SORF STP, KPDES No: KY0111716
Discharge Monitoring Report for September 2024.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the SORF STP, for the month September 2024.

There were no exceedances, overflows or bypasses.

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

Sincerely,

Alex Smither
Process Supervisor

CAS/SORF 9/24.

Cc: V. Teague, B. Tinnel

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDES eReporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit		Permit #: KY0111716		Permittee: Louisville and Jefferson County MSD		Facility: OLDHAM COUNTY ENVIRONMENTAL AUTHORITY REGIONAL WWTP	
Major: Yes		Permittee Address: 700 W Liberty St Louisville, KY 40203		Facility Location: 6115 HITT LN CRESTWOOD, KY 40241			
Permitted Feature: 001 External Outfall		Discharge: 001-1 Domestic Wastewater from Publicly Owned Treatment Works					

Report Dates & Status		Monitoring Period: From 09/01/24 to 09/30/24		DMR Due Date: 10/28/24		Status: NetDMR Validated	
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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						
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	7.1					19 - mg/L	0	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					=	7.42			=	7.66	12 - SU	0	01/07 - Weekly	GR - GRAB						
					Permit Req.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/07 - Weekly	24 - COMP24						
					Value NODI																				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	17.3	=	30.7	26 - lb/d		=	11.0	=	23.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS						
					Permit Req.	<=	312.8 MO AVG	<=	469.1 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						=	301.0	=	374.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24				
					Value NODI																				
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	9.83	=	13.2	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.													Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Value NODI																				
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	38.98	=	48.4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.													Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Value NODI																				
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample						=	0.2	=	0.2	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.													<=	2.0 MO AVG	<=	3.0 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI																				
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.6	=	0.93	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.														<=	1.0 MO AVG	<=	2.0 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI																				
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample						=	6.35	=	6.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.																Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI																				
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.3122	=	1.763	03 - MGD							0	99/99 - Continuous	RC - Recorder (auto)						
					Permit Req.																99/99 - Continuous	RC - Recorder (auto)			

					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample = 0.3331 = 1.9189 03 - MGD Permit Req. Req Mon MO AVG Req Mon DAILY MX 03 - MGD Value NODI												0	01/07 - Weekly 99/99 - Continuous	CA - CALCTD RC - Recorder (auto)
51040	E. coli	1 - Effluent Gross	0	--	Sample = 2.34 = 6.0 13 - #/100mL Permit Req. <= 130.0 30DA GEO <= 240.0 7 DA GEO 13 - #/100mL Value NODI												0	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 15.05 = 21.8 26 - lb/d Permit Req. <= 104.4 MO AVG <= 156.4 MX WK AV 26 - lb/d Value NODI												0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample = 168.0 = 251.0 19 - mg/L Permit Req. Req Mon MO AVG Req Mon MX WK AV 19 - mg/L Value NODI												0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample = 94.7 23 - % Permit Req. >= 85.0 MO AV MN 23 - % Value NODI												0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 96.3 23 - % Permit Req. >= 85.0 MO AV MN 23 - % Value NODI												0	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
SORF_COVER_9_24.pdf	pdf	35865.0

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: 2024-10-21 12:34 (Time Zone: -04:00)

Report Last Signed By

User: ALEX.SMITHER@LOUISVILLEMSD.ORG

Name: Charles Smither

E-Mail: alex.smither@louisvillemmsd.org

Date/Time: 2024-10-21 12:34 (Time Zone: -04:00)