

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

August 17, 2022

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

RE: SORF STP, KPDES No: KY0111716

Discharge Monitoring Report for July 2022.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the SORF STP, for the month July 2022.

There were no overflows or bypasses.

There are Four exceedances, Phosphorus Monthly average limit of 1.0 with a result of 3.8 and a Daily Maximum of 2.0 mg/L with a result of 5.0 mg/L. TSS maximum weekly average 45.0 mg/L with a result of 49.0 mg/L. TSS percent removal monthly average minimum of 85% with a result of 76%.

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

Sincerely,

Curt Otto

Process Supervisor

CEO/ AA 07/22.

Cc: V. Teague, B. Tinnel

DMR Copy of Record

Permit

Permit #: KY0111716 Permittee: Louisville and Jefferson County MSD

08/28/22

Major: Yes

Permittee Address:

Discharge:

DMR Due Date:

Facility Location:

700 W Liberty St Louisville, KY 40203

6115 HITT LN CRESTWOOD, KY 40241

Permitted Feature: 001 External Outfall 001-1 Domestic Wastewater from Publicly Owned Treatment Works

Report Dates & Status

From 07/01/22 to 07/31/22 **Monitoring Period:**

Status:

Facility:

NetDMR Validated

502-540-6000

OLDHAM COUNTY ENVIRONMENTAL AUTHORITY REGIONAL WWTP

Principal Executive Officer

First Name: James

Considerations for Form Completion

Title: Telephone: **Executive Director**

orm NO		Manitarium Lasatia	C	Devem NOD				- m 4 i 4 1 2 - 1 1	a din a					Ovelity or Ora	atuatic :			4 - 5 -	Ty Francisco Augini	Commits T		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI		alifier 1	Qua Value 1	Qualifier		Units	Qualifier 1	Value 1	Qualifier 2	Quality or Concer Value 2	ntration Qualifier 3	3 Value 3	Units	# of E	Ex. Frequency of Analysis	Sample Type		
Code	Name				Sample	iaiiiiei i	value i	Qualifier	Z Value Z		-	7.0	Qualifier 2	value 2	Qualifier	value 3	19 - mg/L		01/07 - Weekly	GR - GRAB		
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.							7.0 INST MIN					19 - mg/L	0		GR - GRAB		
		. Lindon Gross			Value NODI																	
00400	рН	1 - Effluent Gross			Sample						=	7.25			=	7.8	12 - SU		01/07 - Weekly	24 - COMP24		
			0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/07 - Weekly	24 - COMP24		
					Value NODI																	
					Sample =	4;	3.26	=	75.32	26 - lb/d			=	27.0	=	49.0	19 - mg/L		01/07 - Weekly	24 - COMP24		
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req. <=	3	12.8 MO AVG	<=	469.1 MX WK AV	26 - Ib/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	1	01/07 - Weekly	24 - COMP24		
00000					Value NODI																	
					Sample								=	113.0	=	211.0	19 - mg/L		01/07 - Weekly	24 - COMP24		
)530	Solids, total suspended	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	/ 19 - mg/L	- 0	01/07 - Weekly	24 - COMP24		
					Value NODI																	
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Sample								=	6.0	=	8.0	19 - mg/L		01/07 - Weekly	24 - COMP24		
					Permit Req.									Req Mon MO AVG	i	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																	
00600	Nitrogen, total [as N]	G - Raw Sewage Influent			Sample								=	39.0	=	45.0	19 - mg/L		01/07 - Weekly	24 - COMP24		
			0		Permit Req.									Req Mon MO AVG	i	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																	
	Nitrogen, ammonia total [as N]	1 - Effluent Gross			Sample								<	0.2	<	0.2	19 - mg/L		01/07 - Weekly	24 - COMP24		
0610			1		Permit Req.								<=	2.0 MO AVG	<= 3.0 D/	3.0 DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																	
	Phosphorus, total [as P]	1 - Effluent Gross	1		Sample								=	3.8	=	5.0	19 - mg/L	2	01/07 - Weekly	24 - COMP24		
00665					Permit Req.								<=	1.0 MO AVG	<=	2.0 DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24		
					Value NODI																	
	Phosphorus, total [as P]	G - Raw Sewage Influent	t 0		Sample								=			7.1	19 - mg/L			24 - COMP24		
0665					Permit Req.									Req Mon MO AVG	i	Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	24 - COMP24		
					Value NODI																	
	Flow, in conduit or thru treatment plant	plant 1 - Effluent Gross			Sample =				0.59	03 - MGD										RC - Recorder (
0050			0				Permit Req.	Req Mon MO	eq Mon MO AVG) AVG	Req Mon DAILY M	X 03 - MGD)							0	99/99 - Continuous	RC - Recorder (
					Value NODI																	
	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent			Sample =			=	0.543	03 - MGD										RC - Recorder (
50050			0		Permit Req.	R	eq Mon MO AVG	6	Req Mon DAILY M	03 - MGD								0	99/99 - Continuous	RC - Recorder (
					Value NODI																	
					Sample								=			87.0	13 - #/100ml			GR - GRAB		
1040	E. coli	1 - Effluent Gross	0		Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100ml	0	01/07 - Weekly	GR - GRAB		
					Value NODI																	
	BOD, carbonaceous [5 day, 20 C]				Sample =			=	18.63	26 - lb/d			=			12.0	19 - mg/L			24 - COMP24		
80082		1 - Effluent Gross	0		Permit Req. <=	10	04.4 MO AVG	<=	156.4 MX WK AV	26 - Ib/d			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		

80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent		Sample		=	201.0	= 238.0	19 - mg/L		01/07 - Weekly	24 - COMP24
			0	 Permit Req.			Req Mon MO AVO	Req Mon MX WK A\	/ 19 - mg/L	0	01/07 - Weekly	24 - COMP24
				Value NODI								
				Sample	=	96.0			23 - %		01/30 - Monthly	CA - CALCTD
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	 Permit Req.	>=	85.0 MO AV MN			23 - %	0	01/30 - Monthly	CA - CALCTD
				Value NODI								
				Sample	=	76.0			23 - %		01/30 - Monthly	CA - CALCTD
X 81011	Solids, suspended percent removal	K - Percent Removal	0	 Permit Req.	>=	85.0 MO AV MN			23 - %	1	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		Description	Acknowledge	
Code	Name	Monitoring Location	rieid	Туре	Description	Ackilowieuge	
00665	Phosphorus, total [as P]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes	
00665	Phosphorus, total [as P]	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	
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes	
81011	Solids, suspended percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes	

Comments

Attachments

Name	Туре	Size
sorf0722.pdf	odf	38692.0

Report Last Saved By

Louisville and Jefferson County MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2022-08-22 10:10 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2022-08-22 10:10 (Time Zone: -04:00)