

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

June 17, 2023

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

RE: SORF STP, KPDES No: KY0111716

Discharge Monitoring Report for May 2023.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the SORF STP, for the month May 2023.

There were no overflows or bypasses.

There were two exceedances.

Phosphorus monthly average limit 1.0 with a result of 1.72 mg/L. Phosphorus daily maximum limit 2.0 with a result 2.36mg/L.

We are working to fix our phosphorus chemical dosing pumps. In the meantime, we are monitoring and have set up a controller to run our one good pump until we receive the new one.

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

Sincerely,

Curt Otto

Process Supervisor

CEO/ AA 05/23.

Cc: V. Teague, B. Tinnel

DMR Copy of Record

Permit

Permit #: KY0111716 Permittee: Louisville and Jefferson County MSD

Major: Yes Permittee Address:

700 W Liberty St Louisville, KY 40203

OLDHAM COUNTY ENVIRONMENTAL AUTHORITY REGIONAL WWTP

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

From 05/01/23 to 05/31/23 **Monitoring Period:**

Parrot

DMR Due Date: 06/28/23

Status:

Facility:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name: James Title: **Executive Director** Telephone:

502-540-6000

No Data Indicator (NODI)

Last Name:

Form NC							_												
Codo	Parameter Name	Monitoring Location	Season	# Param. NODI	l	Qualifier 1	Value 1	uantity or Loa Qualifier 2		Units	Qualifier 1	Value 1	Qualifier 2	Quality or Conce Value 2	ntration Qualifier 3	3 Value 3	Units	# of Ex. Frequency of Analysi	is Sample Type
Code	Name				Sample	Qualifier	value 1	Qualifier 2	value 2	Units		8.1	Qualifier	z value z	Qualifier 3	value 3	19 - mg/L	01/07 - Weekly	GR - GRAB
		. =			Permit Red	n.						7.0 INST MIN					19 - mg/L	01/07 - Weekly	GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0									7.0 11 (0.1 10.11)					10 mg/L	01/01 Wooldy	OR OR D
					Value NOI	וכ													
					Sample							7.13				7.79	12 - SU	01/07 - Weekly	24 - COMP24
00400	pH	1 - Effluent Gross	0		Permit Red	q.					>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	01/07 - Weekly	24 - COMP24
					Value NO	DI													
					Sample	= 9	9.82	=	15.86	26 - lb/d			<	6.0	<	6.0	19 - mg/L	01/07 - Weekly	24 - COMP24
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Red	q. <= 3	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
00000	Solius, total suspended	1 Emacin Gross			Value NOI	OI .													
														04.0		70.0	40/	04/07 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	04 0004004
					Sample Permit Red									61.0 Reg Mon MO AVO		73.0 Reg Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24 24 - COMP24
00530	Solids, total suspended	G - Raw Sewage Influent	t 0											Req Ivion IviO AVC	7	Red Mou MY MY AV	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NOI	OI													
					Sample								-	9.35	-	15.0	19 - mg/L	01/07 - Weekly	24 - COMP24
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Red	q.								Req Mon MO AVO	3	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NO	DI													
					Sample								=	33.0	=	46.0	19 - mg/L	01/07 - Weekly	24 - COMP24
00000	AP				Permit Red									Reg Mon MO AVO		Reg Mon DAILY MX	-	01/07 - Weekly	24 - COMP24
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	t O											red mon mo ///		rtoq mon Brazi mrt	To mg/L	01/01 Wooldy	21 001111 21
					Value NOI	וכ													
	Nitrogen, ammonia total [as N]	1 - Effluent Gross			Sample									0.2		0.2	19 - mg/L	01/07 - Weekly	24 - COMP24
00610			1		Permit Red	q.							<=	2.0 MO AVG	<=	3.0 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NO	DI													
	Phosphorus, total [as P]	1 - Effluent Gross	1		Sample								=	1.72	=	2.36	19 - mg/L	01/07 - Weekly	24 - COMP24
V					Permit Red								<=	1.0 MO AVG	<=	2.0 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
N 00665			'		Value NOI	OI.													
						*								4.4		5.40	40/	04/07 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	04 0004004
					Sample Permit Red								=	4.4 Reg Mon MO AVO		5.43 Reg Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24 24 - COMP24
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	t 0											Req Mon MO AVC	7	Red MOIL DAILT MY	19 - HIg/L	01/07 - Weekly	24 - CONF24
					Value NOI	Ol													
					Sample	= ().24	=	0.402	03 - MG	D							99/99 - Continuous	RC - Recorder (aut
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Red	q. F	Req Mon MO AV	'G	Req Mon DAILY M	K 03 - MG	ס							99/99 - Continuous	RC - Recorder (aut
	, , , , , , , , , , , , , , , , , , , ,				Value NO	DI													
					Sample	_ ().249	=	0.328	03 - MGI)							99/99 - Continuous	RC - Recorder (aut
50050					Permit Red		Reg Mon MO AV		Reg Mon DAILY M									99/99 - Continuous	RC - Recorder (aut
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0						. toq mon 27 uz i iii		-							00/00 00!!!!!!	110 110001401 (444)
					Value NOI	וכ													
					Sample								=	2.0		6.0	13 - #/100ml	·	GR - GRAB
51040	E. coli	1 - Effluent Gross	0		Permit Red	q.							<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100ml	01/07 - Weekly	GR - GRAB
					Value NO	DI													
					Sample	= 7	7.64	=	12.73	26 - lb/d			=	5.0	=	7.0	19 - mg/L	01/07 - Weekly	24 - COMP24
90092	POD carbonaccous [5 dou 20 C]	1 Effluent Cross	0		Permit Red		104.4 MO AVG	<=	156.4 MX WK AV				<=	10.0 MO AVG		15.0 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	U		Value NOI														
					Value IVOL	71													

80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent			Sample		=	1	34.0	= 419.0	19 - mg/L	01/07 - Weekly	24 - COMP24
			0		Permit Req.			F	Req Mon MO AVG	Req Mon MX WK A\	/ 19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI								
	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal			Sample	=	96.0				23 - %	01/30 - Monthly	CA - CALCTD
80091			0		Permit Req.	>=	85.0 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI								
	Solids, suspended percent removal	K - Percent Removal			Sample	=	90.0				23 - %	01/30 - Monthly	CA - CALCTD
81011			0		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	Manitaring Location	Ciald	Tuno	Description	Acknowledge
Code	Name	Monitoring Location	rielu	Туре	Description Description	Acknowledge
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

Comments

Attachments

Name	Туре	Size
SORFCoverletter.pdf	pdf	39942.0

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: 2023-06-26 13:33 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2023-06-26 13:34 (Time Zone: -04:00)