

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

April 12th, 2023

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

RE: SORF STP, KPDES No: KY0111716

Discharge Monitoring Report for March 2023.

Dear Ms. Dennis:

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

Also attached is 1st quarter biomonitoring.

There were no overflows.

There was one exceedance for TSS percent removal, with a result of 81%, the permit limit is 85%.

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

Sincerely,

Curt Otto

**Process Supervisor** 

CEO/ AA 03/23.

Cc: V. Teague, B. Tinnel

## **DMR Copy of Record**

Permit

Permit #: KY0111716

Permittee: Louisville and Jefferson County MSD

Major: Yes

Permittee Address:

Discharge:

Facility: OLDHAM COUNTY ENVIRONMENTAL AUTHORITY REGIONAL WWTP

700 W Liberty St
Louisville, KY 40203

Facility Location:

ation: 6115 HITT LN CRESTWOOD, KY 40241

Permitted Feature: 001

External Outfall

001-1

Domestic Wastewater from Publicly Owned Treatment Works

Report Dates & Status

Monitoring Period: From 03/01/23 to 03/31/23

Parrot

DMR Due Date: 04/28/23

Status: NetDMR Validated

**Considerations for Form Completion** 

**Principal Executive Officer** 

First Name: James

nes Title: Executive Director

**Telephone:** 502-540-6000

No Data Indicator (NODI)

Last Name:

	Parameter	Monitoring Location	Season a	# Param. NODI			Quant	ntity or Loa	ding					Quality or Conce	entration			# of Ex. Frequency of Analysis	Sample Typ
Code	Name				Qu	alifier 1 Val	ie 1 G	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier	2 Value 2	Qualifier	3 Value 3	Units		
					Sample						=	8.8					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	01/07 - Weekly	GR - GRAB
	30 / 1				Value NODI														
					Sample						=	6.77			=	7.56	12 - SU	01/07 - Weekly	24 - COMP24
0.400	-11	4 544	0		Permit Req.						>=	6.0 MINIMUM			<=		12 - SU	· ·	24 - COMP24
0400	pH	1 - Effluent Gross	0		Value NODI														
					Sample =	13.44	A) (O		29.49	26 - lb/d			=	9.0	=	16.0	19 - mg/L		24 - COMP24
0530	Solids, total suspended	1 - Effluent Gross	0		Permit Req. <=	312.8 MC	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														
					Sample								=	44.0	=	55.0	19 - mg/L	01/07 - Weekly	24 - COMP24
0530	Solids, total suspended	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	3	Req Mon MX WK AV	/ 19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample								=	5.55	=	7.1	19 - mg/L	01/07 - Weekly	24 - COMP24
0000	Nitro non total for NI	4 F#luent Cross			Permit Req.								_	Req Mon MO AVO		Req Mon DAILY MX	-		24 - COMP24
0600	Nitrogen, total [as N]	1 - Effluent Gross	0																
					Value NODI														
0600					Sample								=	31.0	=	37.0	19 - mg/L		24 - COMP24
	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	3	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample								=	0.25	=	0.4	19 - mg/L	01/07 - Weekly	24 - COMP24
0610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2		Permit Req.								<=	5.0 MO AVG	<=	7.5 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
	······oge···, a·······e·····a total [ao 1.]				Value NODI														
					Sample								=	0.99	=	1.69	19 - mg/L	01/07 - Weekly	24 - COMP24
0005	DI 1	4 544			Permit Req.								<=	2.0 MO AVG	<=	3.0 DAILY MX	19 - mg/L	·	24 - COMP24
0665	Phosphorus, total [as P]	1 - Effluent Gross	2		Value NODI														
			. 0		Sample								=	4.93	=	7.7	19 - mg/L	·	24 - COMP24
0665	Phosphorus, total [as P]	G - Raw Sewage Influent			Permit Req.									Req Mon MO AVO	ا خ	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample =	0.434	-	=	1.576	03 - MGD								99/99 - Continuous	RC - Recorder
0050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.	Req Mon	MO AVG		Req Mon DAILY M	( 03 - MGD	)							99/99 - Continuous	RC - Recorder
	, ion, in contain or and a common plant	. Lindon Gross			Value NODI														
					Sample =	0.478			0.758	03 - MGD								99/99 - Continuous	RC - Recorder
0050					Permit Req.	Reg Mon			Reg Mon DAILY M										RC - Recorde
0050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	U				20		- 4 27 107	30									
					Value NODI														
					Sample								=	19.0	=		13 - #/100mL	· ·	GR - GRAB
1040	E. coli	1 - Effluent Gross	0		Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	. 01/07 - Weekly	GR - GRAB
					Value NODI														
					Sample =	7.28	_	= :	9.97	26 - lb/d			=	5.0	=	5.0	19 - mg/L	01/07 - Weekly	24 - COMP24
0082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross			Permit Req. <=		AVG <		156.4 MX WK AV				<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L		24 - COMP24
0002	BOD, Carbonaceous [5 day, 20 C]	i - Elliuelli Gloss	0		Value NODI														

				Sample		-	=	112.0	= 128.0	19 - mg/L	01/07 - Weekly	24 - COMP24
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	 Permit Req.				Req Mon MO AVG	Req Mon MX WK A\	/ 19 - mg/L	01/07 - Weekly	24 - COMP24
		3		Value NODI								
	BOD, carb-5 day, 20 deg C, percent removal			Sample	=	96.0				23 - %	01/30 - Monthly	CA - CALCTD
80091		K - Percent Removal	0	 Permit Req.	>=	85.0 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
				Value NODI								
	Solids, suspended percent removal			Sample	=	81.0				23 - %	01/30 - Monthly	CA - CALCTD
X 01011		K - Percent Removal	0	 Permit Req.	>=	85.0 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
A 81011		s. ss Romovai		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 Logotion	Field	Type	Description	Acknowledge				
Code	Name	Monitoring Location	Field	туре	Description					
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
SORFCover.pdf	pdf	34506.0

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: 2023-04-17 10:52 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2023-04-17 10:54 (Time Zone: -04:00)

# **DMR Copy of Record**

Permit																									
Permit #:	nit #: KY0111716 Permittee: L						Louisville and Jefferson County MSD									OL	OLDHAM COUNTY ENVIRONMENTAL AUTHORITY REGIONAL WWTP								
Major:		Yes	Permittee Address: 700 W Liberty St Louisville, KY 402					03	Facility L						ility Locatio	n: 6115 HITT LN CRESTWOOD, KY 40241									
Permitted	Feature:	001 External Outfall		Discharg	ge:	<b>001-2</b> Domes	stic Wastew	ater from	ı Publicl	ly Owi	ned Trea	atment '	Works												
Report Da	ites & Stati	us	,	•																					
Monitorin	g Period:	From 01/01/23 to 03	3/31/23	DMR Du	e Date:	04/28/	23							Stat	us:	Ne	tDMR V	/alidated							
Considera	ations for F	Form Completion												,											
Principal	Executive	Officer																							
First Nam	e:	James		Title:		Execu	tive Directo	r						Tele	phone:	50	2-540-6	000							
Last Name	e:	Parrot												•											
No Data Ir	ndicator (N	ODI)																							
Form NO	DI:																								
	Paran	neter	Monitorin	g Location	Season # P	aram. NODI			Quantit	ty or Lo	oading				Qua	ality or (	Concentra	ation		# of Ex	Frequency of Analysis	s Sample Type			
Code		Name						Qualifier 1	Value 1	Qualif	ier 2 Valu	e 2 Units	Qualifie	er 1 Value	e 1 Qualifier 2				Units		21/22 2				
04.400			4 540				Sample Permit Req.										< <=	1.0 1.0 MAXIMUI	2G - tox chroni	_	01/90 - Quarterly 01/90 - Quarterly	24 - COMP24 24 - COMP24			
61406	oxicity, final	conc toxicity units	1 - Eπiue	ent Gross	0 -	· <b>-</b>	Value NODI														,				
Submission	on Note																								
		es not contain any va	alues for t	he Sample	e nor Efflue	ent Tradino	a, then none	e of the fo	llowina	fields	will be s	submitte	ed for tl	hat row:	Units, Numb	ber of E	Excursio	ns. Fregueno	cv of Analysis.	and Sa	mple Type.				
Edit Chec		, , , , , , , , , , , , , , , , , , , ,					<b>9</b> ,								,			,	-, -, -, -, -, -, -, -, -, -, -, -, -, -						
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Louisville	and Jeffer	son County MSD																							
User:				CURT.C	OTTO@LO	JISVILLE	MSD.ORG																		
Name:				Curt O	Otto																				
E-Mail:				curt.otto	@louisville	msd.org																			
Date/Time	•			2023-04	-17 10:52	(Time Zo	ne: -04:00)																		
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