



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

February 27, 2023

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for January 2023.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC for the month of January 2023.

There were no exceedances or bypasses. Additionally, the January monthly Overflow Report is attached.

If you have any questions concerning the attached DMR's, please contact me at (502) 540-6952.

Sincerely,

A handwritten signature in blue ink, appearing to read 'W. Ford', written over a faint, larger blue outline of the signature.

William E. Ford
Process Supervisor-Operations

WEF/ Cedar Creek. 01/23.

Enclosures

Cc: V. Graves
B. Tinnell

DMR Copy of Record

Permit

Permit #:

KY0098540

Major:

Yes

Permittee:

Cedar Creek WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

CEDAR CREEK WQTC MSD

Facility Location:

8405 CEDAR CREEK RD
LOUISVILLE, KY 40291

Permitted Feature:

001
External Outfall

Discharge:

001-1
MUNICIPAL DISCHARGE

Report Dates & Status

Monitoring Period:

From 01/01/23 to 01/31/23

DMR Due Date:

02/28/23

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James A.

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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	=	8.3									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	=	7.6									12 - SU		0	01/07 - Weekly	GR - GRAB
					Permit Req.	>=	6.0 MINIMUM									12 - SU			01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	149.0	=	188.0	26 - lb/d			=	3.0	=	3.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	1877.0 MO AVG	<=	2815.0 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								=	157.0	=	184.0	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								=	6.0	=	6.0	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															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	13.0	=	21.0	26 - lb/d			=	0.3	=	0.33	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	626.0 MO AVG	<=	939.0 MX WK AV	26 - lb/d			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample								=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.								<=	2.0 MO AVG	<=	3.0 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	6.883	=	9.502	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	8.087	=	9.606	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	9.0	=	197.0	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	125.0	=	188.0	26 - lb/d			=	3.0	=	3.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	626.0 MO AVG	<=	939.0 MX WK AV	26 - lb/d			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	92.0	=	117.0	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															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	97.0					23 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85.0 MO AV MN					23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI															

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98.0					23 - %	0	01/30 - Monthly	CA - CALCTD
					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

No errors.

Comments

Attachments

Name	Type	Size
CCCoverletter012023.pdf	pdf	35586.0
CCMOR012023.pdf	pdf	139419.0
CCOverflowReport012023.pdf	pdf	283411.0

Report Last Saved By

Cedar Creek WQTC MSD

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemSD.org

Date/Time: 2023-02-28 13:05 (Time Zone: -05:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG

Name: William Ford

E-Mail: william.ford@louisvillemSD.org

Date/Time: 2023-02-28 13:23 (Time Zone: -05:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: January 2023
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH	SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING						FINAL						
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)		RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	GAL/DAY x 1000	MLSS x 1000	GAL/DAY x 1000	WASTED	RETURN		DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)
																					GAL/DAY x 1000	MLSS x 1000				30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000					
1	6.18	2.48	2.48													4.15		80000				5					600						0					9.733
2	5.63	2.48	2.48	7.4								164		3	79		1	4.15	4100	80000	4.5	3650	3110	650								0	0.20		0.3	4.98	11.293	
3	15.51	2.48	2.48	7.3	7.8					8.8									6.16	7620	80000	5	1500	1280	300				1.07				50.4		2			6.183
4	13.22	2.48	2.48	7.5															6.86	5840	80000	4.3	2150	1850	400								69.3					10.228
5	9.66	2.48	2.48	7.3															6.82	5700	80000	4	2350	1970	300								63					7.952
6	8.97	2.48	2.48	7.5															6.25	5750	80000	4.1	2480	2100	320								75.6					12.388
7	7.34	2.48	2.48																6		80000	4.2				400							100.8					9.468
8	5.32	2.48	2.48									156		3	92		3	5.73		80000	3.7				400							0	0.27		0.371	5.96	6.898	
9	5.32	2.48	2.48	6.9	7.7					8.3									5.87	6280	80000	3	3390	2820	600				0.64					1				6.8982229
10	5.30	2.48	2.48	7.5															4.46	6850	80000	4	4000	3300	720								75.6					6.4787617
11	4.50	2.48	2.48	7.3															4.07	6630	80000	3.8	4120	3230	700								75.6					5.6672144
12	6.45	2.48	2.48	7.4															4	8120	80000	2.3	4130	3430	690								75.6					7.5511198
13	6.32	2.48	2.48	7.2															3.76	9730	80000	4.5	3890	3240	650								75.6					7.589375
14	5.72	2.48	2.48																3.4		80000	5.5				650							50.4					6.8491745
15	5.34	2.48	2.48																3.84		80000	4.8				650							75.6					6.3756533
16	5.30	2.48	2.48									184		3	117		3	3.98		80000	4.6				700							75.6	0.20		0.3	6.22	6.4995389	
17	5.53	2.48	2.48	7.6	7.6					8.8									3.95	9150	80000	2.6	3730	3040	650				1.01				75.6		1			6.6956668
18	4.97	2.48	2.48	7.4															3.79	9520	90000	3.71	3740	3240	700												6.0633669	
19	8.79	2.48	2.48	7.6															3.81	10400	80000	4.9	3260	2840	470												10.892735	
20	6.76	2.48	2.48	7.5															4.06	11270	100000	6.2	3460	2960	560								75.6					8.3613844
21	5.90	2.48	2.48																4.3		80000	7.2				650							50.4					7.6988301
22	7.52	2.48	2.48									124		3	80		3	4.32		80000	4.2				650							0	0.33		0.3	5.35	9.4054394	
23	7.48	2.48	2.48	7.3	7.6					8.7									4.24	8790	80000	5.6	3690	3120	510				1				75.6		276			9.434
24	6.30	2.48	2.48	7.0															4.37	9260	80000	5.8	3920	3340	700								75.6					8.2779016
25	7.42	2.48	2.48	7.0															4.3	8970	80000	5.2	3660	3100	650								56.7		140			9.5480394
26	6.83	2.48	2.48	6.9															4.29	9330	80000	5.5	3470	3000	600								75.6					8.870182
27	6.04	2.48	2.48	7.2															4.37	8570	80000	5.6	3260	2740	560													7.9009781
28	5.63	2.48	2.48																4.7		80000	4.6				650												6.2484689
29	5.98	2.48	2.48																4.58		80000	3.5				650							0					7.2756886
30	5.63	2.48	2.48	7.3															4.43	8650	80000	4.1	3380	2880	650								75.6					7.4696779
31	6.52	2.48	2.48	7.6															4.48	8590	80000	4.3	3090	2710	640								0					8.5011377
Tot.	213.38	76.88	76.88																143.5														1423.8					250.6955573
Avg.	6.88	2.48	2.48	7.3	7.7					8.7		157		3	92		3	4.629	8053.3	80967.74	4.526	3349	2823.8	581.3				0.93					54.762	0.25	9	0.318	5.628	8.086953461

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
65556 FLOW 31068 CBOD 42919 TSS

Howard, J.
OPERATOR

26667
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000

PLANT TELEPHONE