msd
Safe, clean waterways

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

September 28, 2022

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for August 2022.

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek Water Quality Treatment Center, for the month of August 2022.

There were no exceedances, bypasses, or discharges to report.

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

Sincerely,

William Ford
Process Supervisor-Operations

WEF/ Cedar Creek. 08/22.

Enclosures

Cc: V. Graves
B. Tinnell

DMR Copy of Record

Permit					
Permit #:	**KY0098540**	**Permittee:**	Cedar Creek WQTC MSD	**Facility:**	CEDAR CREEK WQTC MSD
Major:	Yes	**Permittee Address:**	700 W Liberty St Louisville, KY 40203	**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 08/01/22 to 08/31/22**	**DMR Due Date:**	**09/28/22**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	James A.	**Title:**	Executive Director	**Telephone:**	502-540-6000
Last Name:	Parrott				
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						=	8.1					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						=	8.1			=	8.3	12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample	=	162.0	=	246.0	26 - lb/d			=	3.0	=	4.0	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								=	123.0	=	154.0	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								=	10.0	=	13.0	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	1	--	Sample	=	17.0	=	35.0	26 - lb/d			=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	250.0 MO AVG	<=	376.0 MX WK AV	26 - lb/d			<=	4.0 MO AVG	<=	6.0 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	**Phosphorus, total [as P]**	1 - Effluent Gross	1	--	Sample								=	0.3	=	0.3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.								<=	1.0 MO AVG	<=	1.5 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	=	5.152	=	6.273	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	=	8.666	=	10.209	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								=	3.0	=	10.0	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	=	234.0	=	280.0	26 - lb/d			=	5.0	=	7.0	19 - mg/L	0	01/07 - Weekly	GR - GRAB
					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								=	132.0	=	185.0	19 - mg/L	0	01/07 - Weekly	GR - GRAB
					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						=	96.0					23 - %	0	01/07 - Weekly	CP - COMPOS
					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**						=	97.0					23 - %	0	01/07 - Weekly	CP - COMPOS
					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
CCCoverletter082022.pdf	pdf	40080.0
CCCMOR082022.pdf	pdf	133620.0

Report Last Saved By

Cedar Creek WQTC MSD

User:	kevin.thompson@louisvillemsd.org
Name:	Kevin Thompson
E-Mail:	kevin.thompson@louisvillemsd.org
Date/Time:	2022-09-28 13:00 (Time Zone: -04:00)

Report Last Signed By

User:	WILLIAM.FORD@LOUISVILLEMSD.ORG
Name:	William Ford
E-Mail:	william.ford@louisvillemsd.org
Date/Time:	2022-09-28 13:09 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: August 2022

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				
																		RETURN						SETTLED SLUDGE VOLUME		RAW				HAULED							
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	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 x1000	WASTED GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)
1	9.84	2.48	2.48									114		3	95		3	4.2	6000	80000	4.2	1980	1840	400		14.17					76	0.43		0.3	7.58	14.168
2	6.52	2.48	2.48		8.1					8.1								2.3	6330	80000	2.3	2510	2220	500		11.43					76		1			11.435
3	5.35	2.48	2.48															2.4	6520	80000	2.4	3480	3050	500		10.19					69					10.188
4	4.92	2.48	2.48															3	5450	80000	3	2870	2530	500		7.12					76					7.119
5	4.68	2.48	2.48															2.8	6450	80000	2.8	2700	2270	500		7.77					107					7.765
6	5.22	2.48	2.48															2.4		80000	2.4			550		10.21										10.213
7	5.85	2.48	2.48															2.6		80000	2.6			550		10.58										10.578
8	5.68	2.48	2.48									120		3	142		6	2.5	4730	80000	2.5	2910	2650	600		9.64					76	0.20		0.3	7.95	9.643
9	4.90	2.48	2.48		8.2					8.3								2.2	6290	100000	2.2	2960	2620	550		6.8					76		5			6.796
10	8.23	2.48	2.48															2.6	9520	80000	2.6	2820	2490	500		9.93					76					9.929
11	8.25	2.48	2.48															3.9	8630	80000	3.9	2280	2120	400		13.06					76					13.056
12	6.61	2.48	2.48															2.2	7630	80000	2.2	2090	1900	450		10.03					76					10.832
13	5.23	2.48	2.48															3		80000	3			450		9.85					38					9.856
14	5.01	2.48	2.48															2.9		80000	2.9			460		6.98					0					6.979
15	4.71	2.48	2.48									154		4	185		7	2.5	7170	80000	2.5	3190	2840	550		8.96					75.6	0.20		0.301	11.9	8.964
16	4.36	2.48	2.48		8.3					8.4								2.2	7660	80000	2.2	3030	2670	500		7.53					76		10			7.526
17	4.20	2.48	2.48															2.1	7660	80000	2.1	3130	2750	600		6.92					76					6.922
18	3.93	2.48	2.48															2.4	6570	80000	2.4	3000	2630	600		6.96					113					5.968
19	3.79	2.48	2.48															2	5750	80000	2	2930	2570	530		6.85					113					6.854
20	3.77	2.48	2.48															2.4		80000	2.4			560		8.65					44					8.655
21	4.09	2.48	2.48															2.5		80000	2.5			550		7.9					0					7.901
22	4.03	2.48	2.48									102		3	106		4	2.3	6950	100000	2.3	3310	2910	550		5.33					113.4	0.43		0.3	12.7	5.326
23	3.74	2.48	2.48		8.2					8.7								2.4	7270	100000	2.4	3000	2630	500		3.91					76		1			3.914
24	3.61	2.48	2.48															2.5	7020	80000	2.5	2880	2480	530		8.06					114					8.057
25	3.56	2.48	2.48															2.3	6700	100000	2.3	2980	2630	500		5.28					108					5.28
26	3.51	2.48	2.48															2.5	6520	80000	2.5	2800	2450	500		6.49					114					6.49
27	3.56	2.48	2.48															3.1		80000	3.1			550		7.79					50					7.792
28	3.72	2.48	2.48															3.9		80000	3.9			550		8.35					0					8.348
29	4.42	2.48	2.48															2	6280	80000	2	2870	2530	510		9.04					75.6					9.044
30	8.41	2.48	2.48															2.1	9230	80000	2.1	2580	2250	450		13.35					76					13.359
31	6.00	2.48	2.48															2.2	7220	100000	2.2	2210	2090	510		9.69					76					9.69
Tot.	######	76.88	76.88															80.4								268.82					2117.4					268.647
Avg.	5.15	2.48	2.48		8.2					8.4		123		3	132		5	2.5935	6937	83225.81	2.594	2804.78	2483.48	514.52		8.671613					73.0137931	0.32	3	0.3	10.03	8.666032258

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

49063	33361	25063
FLOW	CBOD	TSS

Jesse Howard — OPERATOR

102681 — CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 — PLANT TELEPHONE