msd
Safe, clean waterways

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

June 24, 2022

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

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

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 May 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 E. Ford
Process Supervisor-Operations

WEF/ Cedar Creek. 06/22.

Enclosures

Cc: V. Graves
B. Tinnel

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 05/01/22 to 05/31/22**	**DMR Due Date:**	**06/28/22**	**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						=	8.0					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						=	7.1			=	7.9	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	=	118.0	=	137.0	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								=	296.0	=	348.0	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	=	14.0	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	=	75.0	=	147.0	26 - lb/d			=	2.0	=	4.1	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	=	4.803	=	5.116	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	=	4.208	=	4.412	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								=	15.0	=	80.0	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	=	110.0	=	183.0	26 - lb/d			=	3.0	=	4.0	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								=	174.0	=	189.0	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						=	98.0					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**						=	99.0					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
CCCoverletter052022.pdf	pdf	32500.0
CCMOR052022.pdf	pdf	133172.0

Report Last Saved By

Cedar Creek WQTC MSD

User:	WILLIAM.FORD@LOUISVILLEMSD.ORG
Name:	William Ford
E-Mail:	william.ford@louisvillemsd.org
Date/Time:	2022-06-27 07:58 (Time Zone: -04:00)

Report Last Signed By

User:	WILLIAM.FORD@LOUISVILLEMSD.ORG
Name:	William Ford
E-Mail:	william.ford@louisvillemsd.org
Date/Time:	2022-06-27 14:02 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: May 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				
		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	RETURN GAL/DAY X 1000	RETURN MLSS x1000	WASTE GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	RAW GALLONS X 1000	RAW % DRY SOLIDS	RAW % VOLATILE SOLIDS	HAULED % DRY SOLIDS	HAULED % VOLATILE SOLIDS	HAULED WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)
1	4.66	2.48	2.48									310		3	189		2	2		100000	3.1			510		4.07						1.30		0.3	8.79	4.074147
2	4.33	2.48	2.48		7.4					8.0								3	7900	100000	3.0	2880	2230	540		3.82					113400		63			3.823153
3	4.81	2.48	2.48															2	6830	100000	3.4	3260	2730	600		4.11					119700					4.114257
4	4.55	2.48	2.48															2	8920	100000	4.0	2920	2450	560		3.91					119700					3.910388
5	4.42	2.48	2.48															2	8970	100000	4.4	3040	2510	600		3.76					81300					3.762321
6	6.66	2.48	2.48															2	9490	100000	3.2	3060	2560	610		5.60					113400					5.60118
7	6.33	2.48	2.48															3		100000	5.3			500		5.26					138600					5.283465
8	5.47	2.48	2.48									234		3	168		4	2		100000	6.0			480		4.66					0	0.78		0.3	6.96	4.665923
9	4.94	2.48	2.48		7.1					8.0								3	9190	100000	1.7	2830	2420	600		4.19					107100		80			4.198637
10	4.53	2.48	2.48															3	7410	100000	1.6	3250	2820	590		3.93					113400					3.936568
11	4.43	2.48	2.48															2	7830	100000	1.6	3020	2710	540		3.85					113400					3.852658
12	4.24	2.48	2.48															2	7190	100000	1.4	3000	2330	600		3.76					107100					3.760924
13	4.17	2.48	2.48															2	8010	100000	1.2	2960	2320	600		3.64					113400					3.645486
14	4.22	2.48	2.48															2		100000	1.4			630		3.63					138600					3.626048
15	4.30	2.48	2.48									290		3	169		3	2		100000	1.3			640		4.35					0	4.10		0.3	11.3	4.35533
16	4.40	2.48	2.48		7.3					8.0								2	8240	100000	1.3	3190	2770	650		4.50					107100		9			4.50366
17	4.12	2.48	2.48															2	9240	100000	1.3	2620	2300	600		3.66					113400					3.553355
18	4.48	2.48	2.48															2	8470	100000	1.2	3120	2750	630		4.02					113400					4.025966
19	5.01	2.48	2.48															2	10590	120000	1.4	2770	2480	550		4.32					94500					4.323937
20	4.71	2.48	2.48															2	10300	120000	1.6	2830	2540	510		4.18					75600					4.184982
21	4.48	2.48	2.48															2		100000	2.0			540		3.89					139900					3.897532
22	4.42	2.48	2.48									348		3	171		2	2		100000	1.5			500		3.87					0	1.80		0.3	13.9	3.877908
23	3.95	2.48	2.48		7.9					8.1								2	9130	120000	1.3	3130	2780	690		3.48					100800		1			3.483693
24	3.90	2.48	2.48															2	7200	130000	1.2	3020	2630	700		3.51					113400					3.510895
25	4.50	2.48	2.48															2	7840	120000	1.4	2790	2490	600		3.85					113400					3.859622
26	6.97	2.48	2.48															2	11050	120000	4.8	2750	1650	300		6.01					75600					6.01836
27	6.46	2.48	2.48															2	7690	100000	4.7	2450	2090	550		5.38					57900					5.382557
28	5.60	2.48	2.48															2		100000	4.2			560		4.74					37800					4.748322
29	4.86	2.48	2.48															2		100000	3.9			520		4.62					0					4.621632
30	4.67	2.48	2.48															2		100000	4.0			500		4.06					0					4.058402
31	4.28	2.48	2.48															2	6440	100000	3.6	2780	2450	550		3.76										3.775182
Tot.	#####	76.88	76.88															68.93								130.39					2521900					130.43649
Avg.	4.80	2.48	2.48		7.4					8.0		296		3	174		3	2.224	8472.857143	104193.5484	2.645	2936.666667	2476.66667	566.129		4.206129032					86962.06897	2.00	15	0.3	10.24	4.20762871

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

45741 FLOW | 41056 CBOD | 56363 TSS

Howard,Jesse OPERATOR | 26667 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 PLANT TELEPHONE