msd
Safe, clean waterways

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

August 23, 2021

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for July 2021.

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 July 2021.

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. 07/21.

Enclosures

Cc: V. Graves

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 07/01/21 to 07/31/21**	**DMR Due Date:**	**08/28/21**	**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						=	7.5					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			=	7.8	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	=	149.0	=	180.0	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								=	326.0	=	364.0	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								=	7.0	=	9.0	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	=	24.0	=	43.0	26 - lb/d			=	0.5	=	0.7	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	=	6.463	=	8.192	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	=	5.519	=	7.352	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	=	6.0	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	=	160.0	=	180.0	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								=	132.0	=	155.0	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
CCMOR072021.pdf	pdf	146444.0
CCCoverletter072021.pdf	pdf	36580.0

Report Last Saved By

Cedar Creek WQTC MSD

User:	WILLIAM.FORD@LOUISVILLEMSD.ORG
Name:	William Ford
E-Mail:	william.ford@louisvillemsd.org
Date/Time:	2021-08-24 09:27 (Time Zone: -04:00)

Report Last Signed By

User:	WILLIAM.FORD@LOUISVILLEMSD.ORG
Name:	William Ford
E-Mail:	william.ford@louisvillemsd.org
Date/Time:	2021-08-24 09:28 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: July 2021

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	WASTED 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	7.19	2.48	2.48	7.2	7.1					7.5		364		3	140		3	2	8180	100000	3.1	2540	2070	450		8.74			1.06		113400	0.72		0.3		8.7451458
2	11.22	2.48	2.48	7.4														3	9290	100000	5.6	2430	1950	310		7.18					151200		4			7.7188883
3	7.24	2.48	2.48															3		100000	2.8			390		5.47					0					5.4650412
4	5.90	2.48	2.48															3		100000	2.1			410		4.86					0					4.8648043
5	6.40	2.48	2.48	7.2														2	5940	100000	1.9	3010	2390	470		4.71					0				8.55	4.7135248
6	6.07	2.48	2.48	7.3														1	8300	80000	5.8	2810	2240	450		4.36					75600					4.3622742
7	5.37	2.48	2.48	7.2														2	6350	100000	4.0	2590	2000	400		4.27					0					4.2673116
8	5.37	2.48	2.48	7.1	7.3					7.7		294		3	155		3	2	6710	80000	4.5	2720	2170	450		4.15			1.15		144.9	0.38		0.3		4.1536112
9	4.05	2.48	2.48	7.2																100000	3.9			430		4.13					75600		1			4.1283493
10	5.83	2.48	2.48															3			3.5			450		4.55					50400					4.5481029
11	11.10	2.48	2.48															3		100000	3.2			420		9.12					0				6.23	9.1170502
12	8.17	2.48	2.48	7.1														2	7700	80000	3.5	2620	2070	450		6.35					75600					6.3497896
13	8.54	2.48	2.48	7.0														1	6870	80000	4.0	2670	2130	450		6.35					0					6.3497896
14	5.18	2.48	2.48	7.1														1	6920	80000	4.4	2560	2000	430		6.93					75600					6.9344997
15	6.20	2.48	2.48	7.0	7.2					7.8		324		3	140		3	4	5370	100000	3.0	2090	1720	350		5.45			0.94		75600	0.40		0.3		5.4527264
16	6.36	2.48	2.48	7.2														3	5260	80000	2.9	2790	2190	500		5.80					75600		6			5.8006063
17	14.58	2.48	2.48															4		80000	3.3			450		14.26					50400					14.25596
18	9.58	2.48	2.48	7.1	7.8					8.0								5		100000						8.71					0				5.32	8.7121563
19	7.47	2.48	2.48	7.1														4	5440	80000	4.8	3310	2570	550		6.45					0					6.4509997
20	6.79	2.48	2.48	7.2														3	8360	100000	3.0	3580	2780	550		5.63					144900					5.6324973
21	6.36	2.48	2.48	7.0														3	6710	100000	4.0	2900	2310	550		5.16					107100					5.1602683
22	5.10	2.48	2.48	7.1	7.4					7.8		320		3	92		4	3	5940	100000	3.6	2860	2260	620		4.73			1.02		0	0.33		0.3		4.7311134
23	4.66	2.48	2.48	7.0														3	6970	100000	3.1	3030	2360	600		4.54					107100		2			4.5386467
24	4.70	2.48	2.48															3		80000	3.5			580		4.43					50400					4.4287462
25	4.59	2.48	2.48															3		100000	3.0			600		4.38					0				8.79	4.3783121
26	5.10	2.48	2.48	7.3														2	5530	50000	2.3	2850	2250	630		3.73					0					3.7358167
27	4.58	2.48	2.48	7.0														2	8420	80000	4.0	2400	1920	500		3.22					151200					3.2202494
28	4.06	2.48	2.48	7.3														2	8640	60000	2.8	2500	2030	550		3.18					144900					3.1826499
29	4.26	2.48	2.48	7.2														2	8630	70000	2.8	2510	2000	590		3.25					113400					3.2589211
30	4.09	2.48	2.48	7.3														2	8590	90000	2.6	2700	2190	550		3.17					69300					3.1737561
31	4.24	2.48	2.48															2		80000	3.0			680		3.26					50400					3.2640929
Tot.	200.37	76.88	76.88															73.77								170.5					1757845					171.0957015
Avg.	6.46	2.48	2.48	7.2	7.4					7.8		326		3	132		3	2.459	7149	88333	3.467	2737	2171	493.7		5.501			1.043		56704.7	0.46	3	0.3	7.223	5.519216177

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

61557	41776	83553
FLOW	CBOD	TSS

Randolph P. Kustes Jr. — OPERATOR

14555 — CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000 — PLANT TELEPHONE