



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

January 26, 2022

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

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

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 December 2021.

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

Also attached is the fourth quarter biomonitoring DMR.

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. 12/21.

Enclosures

Cc: V. Graves
R. Shaw

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99.0							23 - %	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
CCMOR122021.pdf	pdf	196745.0
CCCoverletter122021.pdf	pdf	37073.0

Report Last Saved By

Cedar Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemsd.org
 Date/Time: 2022-01-26 13:33 (Time Zone: -05:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemsd.org
 Date/Time: 2022-01-27 07:38 (Time Zone: -05:00)

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:			001-2 TOXICITY											
Report Dates & Status																			
Monitoring Period:		From 10/01/21 to 12/31/21			DMR Due Date:			01/28/22			Status:			NetDMR Validated					
Considerations for Form Completion																			
THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5																			
Principal Executive Officer																			
First Name:		James A.			Title:			Executive Director			Telephone:			502-540-6000					
Last Name:		Parrott																	
No Data Indicator (NODI)																			
Form NODI:		--																	
Table: Monitoring Data																			
Code	Parameter		Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
	Name						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
61406	Toxicity, final conc toxicity units		1 - Effluent Gross	0	--												0	01/90 - Quarterly 01/90 - Quarterly	24 - COMP24 24 - COMP24
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					
CCCoverletter122021.pdf										pdf		37073.0							
Report Last Saved By																			
Cedar Creek WQTC MSD User: WILLIAM.FORD@LOUISVILLEMSD.ORG Name: William Ford E-Mail: william.ford@louisvillemsd.org Date/Time: 2022-01-26 13:34 (Time Zone: -05:00)																			
Report Last Signed By																			
User: WILLIAM.FORD@LOUISVILLEMSD.ORG Name: William Ford E-Mail: william.ford@louisvillemsd.org Date/Time: 2022-01-27 07:40 (Time Zone: -05:00)																			

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: December 2021
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE 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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		WITHDRAWN FALLONS x 1000	NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. MILLION GALLONS	
																		GAL/DAY x 1000	MLSS x 1000					GAL/DAY x 1000	30 MIN.	60 MIN.	FALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS							% DRY SOLIDS
1	3.68	2.48	2.48	7.6	7.7												3	3220	90000	4.2	3220	2630	450	4.01						75600	0.20					4.019691
2	3.64	2.48	2.48	7.3					8.9				113				3	3220	90000	4.5	3220	2620	400	3.96						75600		15				3.9630253
3	3.55	2.48	2.48	7.3													3	3120	90000	5.0	3120	2800	430	3.81						75600						3.8122709
4	3.52	2.48	2.48														3		80000	3.8			450	3.97					100800						3.9726164	
5	3.59	2.48	2.48														3		80000	2.4			500	3.91					0						3.9198682	
6	7.84	2.48	2.48	7.0													3	3210	90000	2.7	3210	2650	420	12.66					75600						12.662504	
7	8.46	2.48	2.48	7.1													4	3090	90000	3.9	3090	2540	360	11.26					75600						11.267228	
8	6.28	2.48	2.48	7.0	7.3				9.0				189			3	3070	90000	4.5	3070	2020	450	7.36				1.06		75600	0.20		0.3	7.07		7.3625832	
9	4.63	2.48	2.48	7.0													3	3250	100000	5.1	3250	2650	450	4.72					75600			47			4.7273278	
10	4.57	2.48	2.48	7.1													3	3220	90000	4.4	3220	2700	440	4.47					37800						4.4758286	
11	10.71	2.48	2.48														3		80000	3.4			380	12.15					44100						12.15768	
12	10.06	2.48	2.48														3		80000	3.9			450	8.68				0							8.6895599	
13	8.05	2.48	2.48	7.2													3	2440	80000	4.1	2440	1950	300	8.06				63000							6.6183271	
14	5.68	2.48	2.48	6.9													3	3320	80000	3.0	3320	2650	450	5.33				100800							5.3345351	
15	4.84	2.48	2.48	7.1	7.0				8.7				244			3	3300	80000	3.6	3300	2400	400	4.95				1.25		37800	0.20		0.3	6.81		4.9527955	
16	5.43	2.48	2.48	7.0													3	3450	90000	3.0	3450	2840	450	5.02				113400			9				5.0270696	
17	6.19	2.48	2.48	7.2													3	3410	80000	3.1	3410	2530	450	5.29				117700							5.2938514	
18	10.65	2.48	2.48														3		80000	3.8			400	9.25					107100						9.255662	
19	8.38	2.48	2.48														3		80000	3.6			420	6.74				0							6.7411547	
20	6.19	2.48	2.48	7.2													3	3160	100000	4.1	3160	2170	520	5.28				94500							5.2842011	
21	6.67	2.48	2.48	6.9													3	3110	100000	4.2	3110	2530	450	5.76				113400							5.7692032	
22	5.79	2.48	2.48	7.0	7.0				8.9								3	3330	100000	4.0	3330	2760	500	4.99					81900							4.9917936
23	5.42	2.48	2.48	7.0													3	3240	100000	4.4	3240	2720	520	4.69				37800								4.6914864
24	5.36	2.48	2.48														3		80000	3.6			510	4.64				0							4.6416225	
25	5.06	2.48	2.48														3		80000	3.2			510	4.23				0							4.2388692	
26	4.89	2.48	2.48		7.8								306			3		80000	3.3			500	4.46				0.95		0	1.60		0.3	9.49		4.4604502	
27	4.89	2.48	2.48	6.9					8.6								3	3680	100000	3.0	3680	3080	560	4.42				56700			46				4.4291816	
28	4.96	2.48	2.48	6.9													3	3560	100000	2.4	3560	3040	550	4.87				37800								4.8772435
29	7.61	2.48	2.48	6.8													3	3010	100000	3.5	3010	2630	500	6.33				113400								6.3319665
30	6.87	2.48	2.48	7.2													3	3020	100000	3.9	3020	2520	450	5.56				75600								5.5656581
31	6.19	2.48	2.48	7.6													3	3360	100000	4.2	3360	2870	480	7.19				107100								7.1899524
Tot.	189.65	76.88	76.88														93.37						188					1969900							187.031437	
Avg.	6.12	2.48	2.48	7.1	7.4				8.8				213			3	3.012	3218	89032.3	3.73548	3218	2604.55	454.84	6.065			1.093		63545.16	0.55	23	0.3	8.118		6.033272161	

RESIDENTIAL FLOW 58263 INDUSTRIAL WASTE POPULATION EQUIVALENT 36540 COMMERCIAL CBOD 51750 INDUSTRIAL TSS 26667 OPERATOR Jesse Howard CERT. NO. 502-540-6000

TOTAL NUMBER OF SEWER CONNECTIONS 0 SEWERED POPULATION 0 X 4 = 0

PLANT TELEPHONE

NAME OF TREATMENT PLANT Cedar Creek

COUNTY Jefferson

Month of: December 2021

Avg. Flow: 6.12

Date	Rainfall	Sludge Disposal in Gallons	Remarks
1		75600000	
2		75600000	
3		75600000	
4		100800000	
5		0	
6		75600000	
7		75600000	
8		75600000	
9		75600000	
10		37800000	
11		44100000	
12		0	
13		63000000	
14		100800000	
15		37800000	
16		113400000	
17		117700000	
18		107100000	
19		0	
20		94500000	
21		113400000	
22		81900000	
23		37800000	
24		0	
25		0	
26		0	
27		56700000	
28		37800000	
29		113400000	
30		75600000	
31		107100000	