



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

April 27, 2023

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

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

There were no exceedances or bypasses. The Overflow Report is attached.

Additionally, the 1st Quarter Biomonitoring for 2023 is attached.

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. 03/23.

Enclosures

Cc: V. Graves
B. Tinnell

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					98.0					23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.					Y	85.0 MO AV MN				23 - %	0	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
CCMOR032023.pdf	pdf	138973.0
CCOverflowReport032023.pdf	pdf	53674.0
CCCoverletter032023.pdf	pdf	34714.0

Report Last Saved By

Cedar Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemmsd.org
 Date/Time: 2023-04-28 08:21 (Time Zone: -04:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemmsd.org
 Date/Time: 2023-04-28 12:10 (Time Zone: -04:00)

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 01/01/23 to 03/31/23	DMR Due Date:	04/28/23	Status:	NetDMR Validated
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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:	--
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Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration			# of Ex.	Frequency of Analysis	Sample Type			
						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	--	Sample								<=	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
					Permit Req.								<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - COMP24
					Value NODI													

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User: WILLIAM.FORD@LOUISVILLEMSD.ORG
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 Date/Time: 2023-04-28 12:10 (Time Zone: -04:00)

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

DATE	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				
	TOTAL FLOW (MILLION GALLONS)	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		WAST	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	FALLONS x 1000	RAW			HAULED			WITHDRAWN GALLONS x 1000	NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)
																		GALDAY x 1000	MLSS x 1000								% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS								
1	4.80	2.48	2.48	7.3									89	3	87	3	3.43	9600	100000	3.5	4180	3290	720										100.8	0.23			6.0583072	
2	4.94	2.48	2.48	7.4	7.9				7.7								3.59	9040	100000	4.1	3780	3200	740									113.4		86		6.5428877		
3	13.03	2.48	2.48	7.2													4.88	8460	100000	5.6	3980	3400	710									113.4				18.310558		
4	13.95	2.48	2.48														8.48		100000	5.6			450								100.8				15.841281			
5	10.28	2.48	2.48														6.65		100000	5.8			500								0			5.52	12.045289			
6	9.53	2.48	2.48	7.3													5.48	9230	100000	4.4	3640	3010	500								113.4				11.033589			
7	6.71	2.48	2.48	7.4													4.13	8330	100000	5.6	3570	2930	550								113.4				9.9515448			
8	6.08	2.48	2.48	7.1									272	3	121	3	3.62	8310	100000	5.3	3400	2840	600								113.4	0.20	0.3		10.044011			
9	5.21	2.48	2.48	7.4	7.4				7.8								3.08	10230	100000	5	3430	2840	600								113.4		11		9.1202328			
10	5.54	2.48	2.48	7.5													4.01	8000	100000	4.9	2860	2300	450								113.4				8.0832181			
11	4.97	2.48	2.48														4.33		80000	3			500								50.4				6.6235633			
12	4.97	2.48	2.48														4.33		80000	3.5			550								0				6.7842937			
13	9.87	2.48	2.48	7.2													8.08	7810	80000	3	3280	2850	550								113.4				6.3417988			
14	4.76	2.48	2.48	7.6													3.3	8170	120000	5.1	3280	2850	650								75.6				6.9892379			
15	4.23	2.48	2.48	7.6									160	3	159	3	3.34	8290	80000	4.2	3530	2950	740							75.6	0.25	0.3		6.5838142				
16	4.14	2.48	2.48	7.4	7.1				8.0								3.3	8370	80000	3.2	3800	3190	700								75.0		249		6.1702318			
17	4.87	2.48	2.48	7.7													3.25	8750	80000	2.6	3500	2920	500								75.6				6.5953174			
18	4.82	2.48	2.48														3.3		80000	4.8			680								100.8				6.4570508			
19	4.40	2.48	2.48														3.35		80000	3.3			700								0			6.27	6.1398437			
20	4.14	2.48	2.48	7.2													3.31	7720	80000	3.5	3240	2970	750								113.4		1		5.871026			
21	3.30	2.48	2.48	7.3													2.45	8220	80000	3.9	3520	3080	750								113.4				5.6609325			
22	4.39	2.48	2.48	7.2									53	3	97	3	3.08	7100	80000	3.2	2830	2200	480							75.6	0.20	0.3		5.7556267				
23	4.16	2.48	2.48	7.3	7.3				7.5								4.08	8810	80000	3.8	3560	3050	660								69.3		7		5.515172			
24	10.59	2.48	2.48	7													5.54	7120	80000	3.2	3190	2660	830								75.6				15.822542			
25	18.54	2.48	2.48														6.86		80000	6.2			400								50.4				20.327384			
26	11.49	2.48	2.48														6.58		80000	6.1			550								0			5.3	13.008359			
27	9.85	2.48	2.48	6.9													5.52	7910	80000	4.3	3340	2880	590								75.6				11.893983			
28	7.85	2.48	2.48	7.2													3.91	8940	80000	5.2	2880	2480	580								113.4				9.9804306			
29	6.27	2.48	2.48	7.3													3.55	9120	80000	4.8	3440	2870	680								113.4				8.4133825			
30	8.04	2.48	2.48	7.1													3.62	9052	80000	5.1	3380	2740	650								113.4				7.3469977			
31	6.91	2.48	2.48	7.5													3.95	8520	80000	3.8	3540	2960	650								113.4				8.456			
Tot.	####	76.88	76.88														134.3														2589.3				283.205656			
Avg.	7.11	2.48	2.48	7.3	7.4				7.8				144	3	118	3	4.3323	8386.6	87741.935	4.37419	3423.043	2889.565	603.2258							83.52580645	0.22	17	0.3	5.697	9.135666323			

RESIDENTIAL _____ INDUSTRIAL WASTE POPULATION EQUIVALENT _____
 COMMERCIAL 67882 FLOW _____ 40443 _____ CBOD _____ 40501 _____ TSS _____
 INDUSTRIAL _____ Howard.J _____ OPERATOR _____ CERT. NO. 26867

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION
 502-540-6000 PLANT TELEPHONE



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region							
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	NA							
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To						
Sewer Manhole	29040	9401 ELK HILL CT	CEDAR CREEK	FERN CREEK	GROUND						
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	3623159		3/6/2023 12:00:00 PM	CATALANO JR	CATALANO JR	REPAIRED - ISSUE RESOLVED	3/6/2023 12:00:00 AM	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	03/06/23 02:00 PM	

Discharge Reporting:

Discharge Amount:	12,000 GAL
Cause:	MECHANICAL FAILURE OF GENERATOR.
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE PRODUCTS AROUND MANHOLE.
Repair:	REPAIRED THE GENERATOR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

3/6/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/6/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION