



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

February 27, 2025

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for January 2025.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of January 2025.

There were no exceedances, overflows or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6000.

Sincerely,

A handwritten signature in black ink, appearing to read 'Curt Otto', written over a light blue circular background.

Curt Otto
Process Supervisor

CO/ Cedar Creek. 1/25.

Enclosures

Cc: V. Teague
K. Robinson
M. Saylor

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Permit

Permit #:

KY0098540

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

Cedar Creek WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Discharge:

001-1
MUNICIPAL DISCHARGE

Facility:

CEDAR CREEK WQTC MSD

Facility Location:

8405 CEDAR CREEK RD
LOUISVILLE, KY 40291

Report Dates & Status

Monitoring Period:

From 01/01/25 to 01/31/25

DMR Due Date:

02/28/25

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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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						=	9.8					19 - mg/L	0	01/07 - Weekly	GR - Grab
					Permit Req.						>=	7.0 INST MIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.9			=	8.1	12 - SU	0	01/07 - Weekly	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	170.0	=	206.0	26 - lb/d			=	3.0	=	4.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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			
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	82.0	=	128.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	8.0	=	9.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	31.0	=	36.0	26 - lb/d			=	0.6	=	0.7	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample								=	0.21	=	0.25	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.								<=	2.0 MO AVG	<=	3.0 MX WK AV	19 - mg/L			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	6.904	=	8.078	03 - MGD								0	99/99 - Continuous	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	8.114	=	9.404	03 - MGD								0	99/99 - Continuous	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	1.0	=	4.0	13 - #/100mL	0	01/07 - Weekly	GR - Grab
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL			

					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	145.0	=	166.0	26 - lb/d			=	3.0	=	3.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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 - 24 Hour Composite
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	82.0	=	109.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	97.0					23 - %	0	01/30 - Monthly	CA - Calculated
					Permit Req.						>=	85.0 MO AV MN					23 - %		01/30 - Monthly	CA - Calculated
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	96.0					23 - %	0	01/30 - Monthly	CA - Calculated
					Permit Req.						>=	85.0 MO AV MN					23 - %		01/30 - Monthly	CA - Calculated
					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
CCMOR012025.pdf	pdf	75626.0
CedarCreekCoverLetterJAN25.pdf	pdf	37391.0

Report Last Saved By

Cedar Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemSD.org

Date/Time: 2025-02-27 10:57 (Time Zone: -05:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemSD.org

Date/Time: 2025-02-27 10:57 (Time Zone: -05:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: January 2025
 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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)				
																		GAL/DAY x 1000	MLSS x1000					GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS						WITHDRAWN GALLONS x 1000			
1	7.63																	3.9		50000	4.9				570													8.7257175		
2	6.59			7.6	8.1					10.5		76		3	48		3	3.36	7240	100000	4.3	3170	2700	650								107100	0.49	1	0.2	5.8		7.6460867		
3	6.52			7.6														2.53	8970	75000	4	2490	2240	620								119700						7.6204281		
4	5.78																	2.63		0	2.9			540								88200						6.7338381		
5	5.60																	2.49		100000	2.7			500								0						6.657155		
6	7.11																	2.55		50000	2.7			680								0						8.3038578		
7	7.00			7.6														2.86	10290	50000	4.4	2780	2300	630									0						8.1068325	
8	6.76			7.9														3.09	9260	50000	4.2	3240	2770	720									37800						7.883122	
9	6.62			7.7	7.9					10.4		128		3	109		3	3.02	9370	100000	4.1	3160	2710	720									113400	0.65	1	0.2	7.57		7.7792645	
10	6.18			8.2														3.02	9010	100000	3.8	3060	2690	700									50400						7.3331041	
11	6.24																	2.7		75000	3.9			680									0						7.3568625	
12	6.65																	3.06		75000	2.7			500									0						7.7719641	
13	7.28			8.1														3.03	9820	50000	3.5	2970	2600	720									81900						8.4423933	
14	7.03			7.7														3.01	9560	50000	4.3	3400	2930	720									0						8.1316051	
15	6.43			7.9														2.98	9060	75000	4.7	2880	2530	760									75600						7.5416417	
16	6.17			8.1	8.0					9.8		83		4	82		2	3.04	9280	75000	4.2	2940	2720	800									75600	0.51	1	0.2	8.17		7.248735	
17	6.72			7.8														4.05	9280	75000	4.1	3020	2440	790									75600						7.43924	
18	11.26																	5.08		75000	5.4			400									50400						13.859416	
19	11.09																	4.63		50000	3.9			300									0						12.386813	
20	8.19																	4.66		75000	3.5			710									75600						9.4676104	
21	6.70			7.8														4.66	6860	100000	4.6	3110	2710	790									44100						7.8821621	
22	6.28			7.7														4.29	6050	125000	5.1	2830	2300	700									75600						7.1795006	
23	5.80			7.6	8.1					10.5		41		3	89		3	3.93	6760	100000	5.4	2390	2220	600									75600	0.73	4	0.253	8.62		6.6042995	
24	5.44			7.6														4.11	5760	75000	4.7	2830	2510	740									75600						6.3923607	
25	5.64																	4		75000	4.3			740									0						6.7004576	
26	5.70																	4.26		75000	3.7			800									75600						6.9289136	
27	5.18			7.9														4.12	8160	150000	4.8	3860	3440	930									31500						6.4173927	
28	4.87			7.7														4.23	6950	125000	3.6	3380	3000	840									75600						5.9571142	
29	4.97			7.8														4.47	6770	122909	5.2	3050	2820	800									75600						6.0895057	
30	5.50			8.0														4.58	6360	100000	5.1	3420	3160	860									75600						7.7918019	
31	15.08			7.6														6.08	4780	60000	6.2	1230	1160	230									75600						17.163183	
Tot.	214.01																	114.4																1631700						251.542379
Avg.	6.90			7.8	8.0					10.3		82		3	82		3	3.691	7980	79287.4	4.223	2961	2598	669									52635.48	0.60	1	0.213	7.54		8.11427029	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

65748
FLOW

27772
CBOD

22482
TSS

Chris Coomer
OPERATOR

18291
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000

PLANT TELEPHONE