



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

March 19, 2021

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

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

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 February 2021.

Also, attached is the overflow report.

There were no exceedances or bypasses 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. 2/21.

Enclosures

Cc: V. Graves
R. Shaw

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	95.0										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
CCMOR022021.pdf	pdf	140915.0
CCCoverletter022021.pdf	pdf	31753.0
CCDischargeReports022021.pdf	pdf	115058.0

Report Last Saved By

Cedar Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemSD.org
 Date/Time: 2021-03-18 12:20 (Time Zone: -04:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemSD.org
 Date/Time: 2021-03-18 12:21 (Time Zone: -04:00)

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: February 2021
 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		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					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS
1	12.20	2.48	2.48	7.0							154		7	72		4	4	8940	70000	4.8	2630	2280	400		10.38						1.60		0.3	5.3	10.38
2	9.82	2.48	2.48	7.6													4	8830	70000	4.0	3230	2790	500		9.36						2			9.36	
3	8.78	2.48	2.48	7.7													4	8380	70000	3.8	3080	2580	450		7.50									7.50	
4	8.47	2.48	2.48	7.6													4	7650	70000	1.9	2860	2380	490		7.25									7.25	
5	9.74	2.48	2.48	7.7													4	9020	70000	4.9	2970	2480	450		8.32									8.32	
6	8.55	2.48	2.48														4		70000	4.2			500		7.30									7.30	
7	7.99	2.48	2.48														4		70000	2.9			560		6.82									6.82	
8	7.32	2.48	2.48	7.7							186		4	159		2	3	7920	70000	2.5	3400	2880	630		6.21					1.70	0.3	5.87	6.21		
9	6.99	2.48	2.48	7.7													3	8640	100000	3.3	3550	3020	620		5.88					1			5.88		
10	8.12	2.48	2.48	7.4													3	7660	100000	4.9	3530	3010	600		7.77									7.77	
11	11.92	2.48	2.48	7.5													3	11570	70000	6.2	2390	2180	360		11.22									11.22	
12	9.58	2.48	2.48	7.7													3	10650	100000	3.8	2730	2320	520		8.00									8.00	
13	8.90	2.48	2.48														4		70000	3.6			550		7.38									7.38	
14	8.20	2.48	2.48														4		70000	4.4			650		6.80									6.80	
15	6.38	2.48	2.48	7.5													4	8060	70000	3.9	3430	2850	450		6.37									6.37	
16	7.24	2.48	2.48	7.5							50		3	69		2	4	8800	100000	4.2	3360	2850	600		6.09					1.60	0.3	8.16	6.09		
17	6.96	2.48	2.48	7.5													3	8130	100000	4.1	3310	2800	650		5.83					1				5.83	
18	6.97	2.48	2.48	7.6													3	8170	100000	3.9	3520	3000	600		5.73									5.73	
19	6.93	2.48	2.48	7.7													2	8040	100000	4.0	3130	2700	650		5.74									5.74	
20	7.02	2.48	2.48														2		70000	4.2			650		5.96									5.96	
21	7.44	2.48	2.48														2		70000	3.9			670		5.36									5.36	
22	10.89	2.48	2.48	7.4							218		15	42		6	2	10700	50000	4.2	2810	2240	450		10.37						2.60	0.607	7.73	10.37	
23	11.19	2.48	2.48	7.5													3	12490	70000	4.4	2330	2000	320		9.78									9.78	
24	9.68	2.48	2.48	7.4													3	10620	43000	4.1	2900	2500	500		8.02									8.02	
25	9.27	2.48	2.48	7.3													3	10520	50000	4.3	3320	2790	500		7.16									7.16	
26	8.46	2.48	2.48	7.2													3	11190	50000	4.0	3330	2790	550		6.59									6.59	
27	8.09	2.48	2.48														3		50000	5.1			520		6.80									6.80	
28	18.64	2.48	2.48														5		50000	3.8			440		10.80									10.80	
29																																			
30																																			
31																																			
Tot.	251.74	69.44	69.44														93.52								210.8										210.79
Avg.	8.99	2.48	2.48	7.5							152		7	86		4	3.34	9299	72964	4.048	3091	2622	529.6		7.528										

RESIDENTIAL _____ INDUSTRIAL WASTE POPULATION EQUIVALENT _____
 COMMERCIAL _____ FLOW _____ 85626 _____ 37712 _____ 54273 _____
 INDUSTRIAL _____ OPERATOR Randolph P. Kustes Jr. CERT. NO. 14555

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 Treatment Center	Region
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	28506	11301 ELECTRON DR			

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3342474		02/05/2021	BIVIN	BIVIN			OBSTRUCTION- NOT GREASE /	UNAUTHORIZED DISCHARGE-	02/05/21 11:40 AM	MI

Discharge Reporting:

Discharge Amount:	300 GAL
Cause:	FURTHER INVESTIGATION
Clean Up:	MSD WILL CLEAN AREA
Control Zone:	MSD ADVISED CUSTOMER TO AVOID SEWAGE CONTACT
Impact:	OBSERVED MH# 28506 DISCHARGING
Repair:	PLACED TVI INSPECTION ON THE MAIN POSSIBLE FIBER OPTIC DAMAGE BORED THROUGH MAIN , FLUSHED MAIN AND MANHOLE
Public Notification:	DISCHARGE SIGN

Notifications:

2/6/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	98022	9719 COLLIER LN		CEDAR CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3350038		02/28/2021	FORD JR	FORD JR	REPAIRED - ISSUE RESOLVED	09/24/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	03/01/21 06:00 AM	

Discharge Reporting:

Discharge Amount:	149,400 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEAN UP ACTIVITY CONSISTED OF RAKING IMPACTED AREA AND THE SPREADING OF LIME.
Control Zone:	PERMANENT OVERFLOW SIGNS.
Impact:	SEWAGE DISCHARGE.
Repair:	SYSTEM CAPACITY CAUGHT UP WITH FLOW.
Public Notification:	PERMANENT OVERFLOW WARNING SIGNS POSTED ALONG CREEK.

Notifications:

3/1/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/1/21 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION