



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

March 11, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-February 2016**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of February 2016.

There were no exceedances, overflow or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 02.16.doc

Enclosures

cc: T. Singleton
R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0098540	Permittee:	CEDAR CREEK WQTC MSD
Major:	Yes	Permittee Address:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40211

Report Dates & Status			
Monitoring Period:	From 02/01/16 to 02/29/16	DMR Due Date:	03/28/16
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Executive Director
Last Name:	Parrott	Telephone:	502-540-6000

No Data Indicator (NODI)

Form NODI: --

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				Value 3	Units	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7.8				=	7.8				19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	7 INST MIN									19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.4				=	8				12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM				12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	282	=	302	26 - lb/d	=	5	=	6		19 - mg/L	0	11/30 - 11 Per Month	CP - COMPOS	
					Permit Req.	<=	1877 MO AVG	<=	2815 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	150	=	199		19 - mg/L	0	11/30 - 11 Per Month	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	9	=	10		19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	156	=	247	26 - lb/d	=	3	=	4		19 - mg/L	0	11/30 - 11 Per Month	CP - COMPOS	
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample						=	0.3	=	0.3		19 - mg/L	0	11/30 - 11 Per Month	CP - COMPOS	
					Permit Req.							<=	2 MO AVG	<=	3 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	6.58	=	8.57	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	6.085	=	7.82	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	41	=	167		13 - #/100mL	0	11/30 - 11 Per Month	GR - GRAB	
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO		13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	124	=	155	26 - lb/d	=	2	=	2		19 - mg/L	0	11/30 - 11 Per Month	CP - COMPOS	
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	92	=	110		19 - mg/L	0	11/30 - 11 Per Month	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98				23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO AV MN				23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	97				23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 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
201602_CedarCreek_coverletter.pdf	pdf	411005
201602_CedarCreek_MOR.pdf	pdf	1012840

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2016-03-16 10:57 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: February 2016
 RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTE P	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)			
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	
1	5.15			7.6	7.8				9.3		212		3	122		2	4	8290	90000	2.5	3480	2850	380	310									2.30		0.3		4.91552	
2	5.07			7.5	7.9				8.5		130		7	94		3	4	8220	80000	2.6	3390	2890	360	310									2.50	12	0.3	8.61	4.73219	
3	11.56			7.6	7.5				9.6		74		5	112		2	3	5840	70000	4.4	1380	1280	150	130									1.00	82	0.3		10.95594	
4	8.10			7.6	7.7				8.5							5	4820	60000	3.1	1870	1570	200	190										34			7.53641		
5	7.08			7.5	8.0				9.2							6	6560	50000	3.1	2010	1840	200	190													6.48252		
6	7.38			7.8	7.5				8.9							5		50000	2.6				350	290												6.11704		
7	6.34			7.6	7.4				8.4							4		50000	2.4				340	270												5.6361		
8	5.47			7.5	7.7				8.1		244		5	137		2	3	11000	50000	2.0	3950	3310	420	330									5.00		0.3		5.09146	
9	5.28			7.5	7.9				8.3		188		4	89		2	3	9250	50000	2.6	3980	3150	520	350									4.30	22	0.3	8.79	4.997	
10	5.36			7.6	7.9				8.5		166		10	104		2	3	6120	45000	2.9	3700	3080	540	350									3.60	16	0.3		4.70475	
11	4.58			7.6	7.8				8.6							2	14230	45000	3.1	3180	2720	350	300										11				4.30696	
12	4.60			7.6	7.9				8.8							2	14270	25000	2.9	3560	2940	400	300														4.3662	
13	4.65			7.9	7.6				8.8							2	11580	28000	2.7	3330	2730	450	320														4.44827	
14	4.66			7.6	7.5				8.7							2	12480	30000	2.6	3590	3000	450	330														4.34306	
15	4.12			7.6	7.6				8.3		220		6	96		2	2	12980	35000	1.5	4020	3260	500	380									2.90		0.3		4.54351	
16	3.86			7.5	7.8				7.8							3	11990	45000	2.8	3760	2930	470	360										3.09		6	10.18	5.6283	
17	6.40			7.7	7.9				8.8		112		5	85		3	3	8220	55000	2.2	4280	3270	640	460									7.40		0.3		5.23147	
18	6.40			7.7	7.9				8.8							5	5120	60000	2.1	2740	2500	330	260											30			5.23147	
19	5.66			7.6	7.8				8.2							5	9520	57000	2.3	4660	3740	600	480														4.94144	
20	5.14			7.7	7.9				7.9							5	10240	63000	2.2	5600	4320	680	500														4.77675	
21	7.19			7.6	7.8				8.2							5	9080	60000	2.1	4770	3870	680	480														6.59915	
22	7.32			7.7	7.8				8.1		104		3	67		2	5	6100	52000	1.9	2800	2450	320	270									3.00		0.3	7.74	6.65831	
23	6.65			7.6	7.9				8.5		123		4	79		2	5	6660	43000	2.6	2690	2330	300	250									2.40	67	0.3		6.06325	
24	13.90			7.6	7.7				9.2		79		4	28		2	5	4530	35000	5.1	1610	1560	190	160									2.14		0.22	167	0.3	12.5678
25	10.05			7.6	7.7				9.8							6	7220	38000	3.0	2460	1940	280	250											6			9.22857	
26	7.95			7.6	7.9				11.0							6	5930	52000	2.3	2780	2330	340	270														7.26722	
27	7.28			7.3	7.6				10.0							4	7770	81000	3.4	4010	3160	520	400															6.7595
28	6.84			7.6	7.5				10.0							4	7610	77000	2.9	3490	2870	470	350															6.19315
29	6.77			7.6	7.7				8.8							4	8750	64000	2.1	3720	3050	540	400											1.76				6.15468
30																																						
31																																						
Tot.	190.83																115.3																					176.47799
Avg.	6.58			7.6	7.7				8.8		150		5	92		2	3.974	8681	53103	2.69	3363	2776	412.8	318.6							2.33			3.15	24	0.3	8.83	6.085447931

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 62669
 FLOW
 29729
 CBOD
 39247
 TSS

Joseph Shaun Smith
 OPERATOR

20987
 CERT. NO.

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

502-239-7695
 PLANT TELEPHONE