



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

December 13, 2016

Cheryl Edwards
DMR Coordinator
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for November 2016.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC for the month of November 2016.

There were no exceedances, overflows or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 715-2789

Sincerely,

Staci Huber
Process Supervisor

SMH/ Cedar Creek 11/16

Enclosures

cc: V. Teague
R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0098540	Permittee:	Cedar Creek WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40291

Report Dates & Status			
Monitoring Period:	From 11/01/16 to 11/30/16	DMR Due Date:	12/28/16
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	=	7.9				=	7.9				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	=	7.3				=	8.2				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	=	122	=	216	26 - lb/d	=	4	=	7		19 - mg/L	0	03/07 - Three Per Week	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	=					=	481	=	636		19 - mg/L	0	03/07 - Three Per Week	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	=					=	11	=	15		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	=	28	=	94	26 - lb/d	=	0.9	=	3		19 - mg/L	0	03/07 - Three Per Week	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	03/07 - Three Per Week	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	=	3.667	=	3.726	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	=	2.958	=	3.035	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	=					=	12	=	18		13 - #/100mL	0	03/07 - Three Per Week	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	=	87	=	106	26 - lb/d	=	3	=	3		19 - mg/L	0	03/07 - Three Per Week	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	=					=	280	=	312		19 - mg/L	0	03/07 - Three Per Week	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	=	99									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	=	99									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
112016_CC_Coverletter.pdf	pdf	107844
112016_CC_MOR.pdf	pdf	112553

Report Last Saved By

Cedar Creek WQTC MSD

User: staci.huber@louisvillemsd.org	Date/Time: 2016-12-14 10:26 (Time Zone: -05:00)
Name: Staci Huber	
E-Mail: staci.huber@louisvillemsd.org	

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		TOTAL FLOW INF. (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		WASTE P	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	RAW		HAULED		NH3-N (mg/L)	ECOLI	Total Phosphorus		Total Nitrogen				
																		GAL/DAY x 1000	MLSS x 1000							GAL/DAY x 1000	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS						% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS	
1	4.03			7.3	7.9								3	380		3	2	4830	80000	3.9	2530	2280	210	200									0.20	0.3		3.41		
2	5.43			7.2	7.9								3	294		3	2	6890	48000	3.6	2070	1890	210	200									0.20	1	0.3	8.09	4.39	
3	3.25			7.3	7.8								3	456		3	2	5220	67000	4.8	2310	2050	210	200									0.20	1	0.3		2.58	
4	3.24			7.2	7.7												2	5330	57000	4.9	2010	1830	210	200											1		2.58	
5	3.30			7.4	7.6												2	4340	89000	5.3	2460	2160	220	210													2.74	
6	3.55			7.4	7.5												2	3350	104000	5.6	2220	2020	240	230													2.83	
7	3.26			7.4	7.8												2	4830	82000	4.2	2640	2240	230	210													2.70	
8	3.30			7.5	7.9									482		3	440		5.1	2400	2140	230	220										0.20	0.3		2.63		
9	3.56			7.1	7.9									386		3	285		4.3	2190	1970	230	220										0.20	8	0.3	11.6	2.77	
10	3.36			7.2	8.0									432		3	212		5.5	2210	1940	240	230										0.20	8	0.3		2.65	
11	3.35			7.3	8.1												2	4030	89000	5.2	2290	2080	230	220										16			2.61	
12	3.44			7.4	7.8												2	4000	80000	5.6	2150	1900	240	230													2.75	
13	3.54			7.4	7.6												2	4110	78000	5.3	2150	1930	230	220													2.87	
14	3.31			7.3	7.4												2	4200	75000	3.7	2010	1760	230	210													2.60	
15	3.26			7.4	8.0									656		3	271		4.2	2170	2000	220	210											0.20	0.3	9.76	2.55	
16	3.55			7.2	8.0									370		3	235		4.4	2090	1910	220	200											0.20	4	0.3		2.53
17	3.15			7.2	7.9									232		3	126		4.6	2190	2000	230	200											0.20	1	0.3		2.52
18	3.10			7.3	8.1												2	3630	80000	3.6	2180	1910	220	210										1			2.48	
19	3.59			7.3	8.0												1	5150	52000	4.3	2040	1890	240	210											1			2.88
20	3.67			7.4	8.1												1	5310	54000	3.8	2160	1920	230	210														2.96
21	3.44			7.0	7.3												1	4730	64000	3.3	2280	2000	250	240														2.66
22	3.30			7.4	8.0									548		13	252		3.9	2270	1980	230	220											0.20	0.3		2.57	
23	3.62			7.5	7.9												1	4040	75000	3.6	2270	2050	230	220											3		2.87	
24	4.10			7.4	8.0									624		3	302		2.8	2310	2030	230	210											2.90	0.3		3.26	
25	3.63			7.2	7.7												1	5510	52000	2.7	2200	1960	230	210												80		2.83
26	3.54			7.2	7.8												1	5370	55000	2.9	2220	1970	230	220													2.85	
27	3.76			7.3	8.0									736		6	326		2.8	2380	2220	250	240										5.70	0.3	15.1		3.02	
28	3.97			7.8	8.2												1	4020	78000	2.5	2520	2290	260	250											17		3.47	
29	5.96			7.5	7.4												2	7690	38000	2.5	2680	2380	250	240													5.28	
30	4.78			7.5	7.4												4	6490	45000	2.8	2980	2720	300	270													3.81	
31																																						
Tot.	###																52.9																				88.65	
Avg.	3.68			7.3	7.8					8.4			4	280		3	1.76	4020	68533	4.06	2286	2047	233	219												2.955		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
35029 FLOW
50448 CBOD
70260 TSS

Joseph Shaun Smith
OPERATOR

CERT. NO.

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

502-239-7695
PLANT TELEPHONE