



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

November 18, 2016

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report for October 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 October 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 10/16

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 10/01/16 to 10/31/16	DMR Due Date:	11/28/16
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	=	7.3				=	7.3				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				=	8.2				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	=	92	=	97	26 - lb/d	=	3	=	3		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	=					=	349	=	469		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	=					=	10	=	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	1	--	Sample	=	19	=	42	26 - lb/d	=	0.6	=	1		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	250 MO AVG	<=	376 MX WK AV	26 - lb/d	<=	4 MO AVG	<=	6 MX WK AV		19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample	=					=	0.3	=	0.3		19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.						<=	1 MO AVG	<=	1.5 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	=	3.693	=	3.832	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	=	2.978	=	3.103	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	=					=	4	=	8		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	=	64	=	67	26 - lb/d	=	2	=	2		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	=					=	274	=	365		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
102016_CC_Coverletter.pdf	pdf	105636
102016_CC_MOR.pdf	pdf	116233

Report Last Saved By

Cedar Creek WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2016-11-21 10:28 (Time Zone: -05:00)
Name: Kevin Ries	
E-Mail: kevin.ries@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										
		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	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME	30 MIN.	60 MIN.	RAW			HAULED			NH3-N (mg/L)	ECOLI	Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)					
																											GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000										
1	4.50			7.6	8.1												2	2	7840	50000	6.8	2550	2190	250																3.62591		
2	4.20			7.6	8.1												2	2	6620	55000	6.6	2360	2010	190																3.42215		
3	3.74			7.6	8.2												2	1	5490	72000	3.6	2590	2240	250																3.08231		
4	3.67			7.1	8.1												2	2	5350	65000	3.8	2260	1960	250																2.97474		
5	3.59			7.3	8.1												1	1	4780	65000	4.6	2080	1810	240																2.84715		
6	3.50			7.4	8.0												1	1	5770	60000	5.2	2220	2080	240																2.79753		
7	3.44			7.3	7.9												1	1	4910	63000	5.2	2006	1690	240																2.72016		
8	3.59			7.4	7.9												1	1	5120	63000	6.4	2170	1820	240																2.87448		
9	3.54			7.4	8.0												2	1	4970	67000	2.2	2240	1740	240																3.01864		
10	3.47			7.3	8.0												3	1	5050	70000	2.3	2270	1970	230																2.79772		
11	3.37			7.2	7.9												2	1	5470	70000	4.8	2130	1860	230																	2.74188	
12	3.38			7.3	8.0												1	1	5570	65000	4.8	2290	1820	230																	2.69094	
13	3.37			7.3	7.5												1	1	5070	65000	4.8	2160	1880	210																	2.70768	
14	3.41			7.5	7.5												1	1	5370	60000	4.6	2090	1830	220																	2.62708	
15	3.43			7.4	7.4												1	1	4990	73000	4.6	2320	2020	230																	2.76802	
16	3.64			7.4	7.9												2	1	4220	73000	3.9	1960	1700	240																	2.94989	
17	3.44			7.4	7.7												2	1	5430	67000	2.9	2430	2110	230																	2.72417	
18	3.35			7.3	7.7												2	1	5170	67000	3.6	2310	1930	220																		2.62457
19	3.25			7.2	8.0												1	1	5310	66000	4.1	2190	1830	220																		2.61777
20	4.57			7.4	7.8												1	1	5250	58000	3.4	2020	1680	200																		3.73366
21	5.15			7.4	7.7												1	1	8100	43000	4.6	2240	1870	200																		4.30807
22	4.29			7.4	7.8												2	2	4940	67000	5.1	2220	1900	200																		3.63135
23	4.32			7.4	7.8												2	2	5390	62000	3.4	2240	1960	200																		3.51482
24	3.70			7.2	7.8												2	1	5920	67000	2.7	3610	2320	200																		3.10777
25	3.54			7.2	7.8												2	1	4730	65000	3.3	2070	1850	200																		2.85878
26	3.44			7.3	8.1												1	1	5090	65000	4.1	2210	1970	200																		2.76285
27	3.55			7.2	7.9												1	1	5280	65000	3.2	2290	2020	200																		2.719
28	3.34			7.2	7.8												1	1	5320	62000	3.2	2190	2050	200																		2.68888
29	3.60			7.3	8.0												1	1	5740	60000	5.1	2280	2060	200																		2.861
30	3.68			7.1	7.9												2	2	6830	60000	4.4	2820	2450	250																		2.96538
31	3.40			7.5	7.8												2	2	4290	78000	3.1	2250	1970	230																		2.60855
Tot.	###																44																								2.60855	
Avg.	3.69			7.3	7.9												2	1.42	5464	64129	4.2	2292	1955	222																	92.3729	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
FLOW CBOD 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