



*Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org*

March 17, 2015

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 2015**

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 2015.

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,

A handwritten signature in black ink, appearing to read "Kevin Thompson", is written over the typed name.

Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 02.15.doc

Enclosures

cc: T. Singleton
R. Shaw



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*

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:	001-2 NEW EXPANSION
Facility:		Facility Location:	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE (JEFFERSON,KY), KY 40211

Report Dates & Status			
Monitoring Period:	From 02/01/15 to 02/28/15	DMR Due Date:	03/28/15
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	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	=	8.8									19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB
					Permit Req.	>=	7 INST MIN									19 - mg/L			
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.7				=	8.1			12 - SU	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM				12 - SU				
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	176	=	231	26 - lb/d	=	5	=	7	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	1876 MO AVG	<=	2815 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L				
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	8837	=	11469	26 - lb/d	=	265	=	393	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		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	=	207	=	315	26 - lb/d	=	6	=	11	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	558	=	598	26 - lb/d	=	17	=	21	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=	5	=	7	26 - lb/d	=	0.2	=	0.2	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.959	=	6.915	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	3	=	6	13 - #/100mL	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB CP - COMPOS	
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	114	=	163	26 - lb/d	=	3	=	3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	5180	=	6194	26 - lb/d	=	150	=	176	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %				
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD	
					Permit Req.						>=	85 MO MIN			23 - %				
					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
201502_CEDARCREEK_COVERLETTER.pdf	pdf	46983
201502_CEDARCREEK_MOR.pdf	pdf	113790

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2015-03-24 12:02 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: February 2015
 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)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus			
																		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	4.33			6.8	6.7			10			240		5	132		3	2.15		100000	4.0			350	300							4.70		0.156		
2	5.49			6.8	6.8			10			215		5	135		3	2.09	12750	100000	4.3	2070	1680	290	210						6.20	3	0.159			
3	4.41			6.9	6.7			10			270		4	106		3	1.92	8640	100000	3.2	2210	1840	310	230						2.10	4	0.124			
4	4.05			6.7	6.8			9									2.15	6340	100000	3.2	2670	2280	320	260		1.6						2			
5	3.76			6.8	6.9			10									2.24	5650	100000	3.8	2450	1720	320	260											
6	3.62			6.7	6.8			10									2.18	5420	100000	3.6	2510	2070	320	260											
7	3.83			6.8	6.7			10									2.16		100000	4.0			320	260											
8	3.80			6.7	7.0			9			590		6	222		3	2.16		100000	3.4			310	260						9.50		0.11			
9	3.09			6.8	6.8			9			408		7	198		4	1.92	5210	100000	3.1	2360	2060	340	260						11.20	12	0.3			
10	3.46			7.0	7.2			9			180		8	107		3	1.82	5870	100000	2.8	2070	1850	260	210						12.30	5	0.249			
11	3.18			7.2	7.0			9									2.19	5440	100000	3.1	2180	1900	320	310		1.5					4				
12	3.11			7.2	7.2			9									2.27	5180	100000	3.8	2420	2160	330	280											
13	3.03			7.0	6.8			10									2.26	5030	74500	3.9	2350	2040	300	250											
14	3.33			7.2	7.6			10									2.26		24900	4.1			370	280											
15	3.26			7.1	7.3			11									2.22		15000	2.9			450	310											
16	3.20			6.8	6.9			11			245		4	240		3	2.20	4590	45000	3.1	3130	2720	450	340								0.156			
17	3.11			6.8	7.2			11			83		3	90		3	2.27	4890	90000	5.8	3110	2710	390	300						8.20	2	0.092			
18	3.08			6.8	6.8			11			510		3	185		3	2.38	6050	80000	6.4	3190	2750	320	280						7.60	2	0.093			
19	3.23			6.8	6.9			11									2.28	5760	80000	6.9	2990	2550	500	350		1.2				7.60	6				
20	3.29			6.6	6.9			11									2.36	6100	80000	6.7	3120	2660	500	350											
21	4.40			7.5	8.1			10									2.37		80000	5.4			480	360											
22	6.91			7.1	7.0			10			147		5	109		3	4.04		80000	4.7			500	340						3.50		0.166			
23	5.51			7.2	7.2			10			138		4	89		3	4.60	6680	60000	5.2	3390	2840	500	400						2.20	4	0.104			
24	5.32			7.2	7.2			10			148		5	185		4	3.42	8630	90000	5.2	3430	2810	500	380						2.20	2	0.13			
25	4.16			7.0	7.2			10									4.59	5290	100000	3.1	3140	2670	450	350		1.8					2				
26	4.41			7.2	7.4			10									4.59	5320	95000	2.0	3500	3050	400	320											
27	4.17			7.1	7.2			10									4.59	4980	95000	3.5	3110	2610	410	340											
28	4.31			7.2	7.1			10									4.65		95000	3.8			380	320											
29																																			
30																																			
31																																			
Tot.	####																76.33																		
Avg.	3.96			7.0	7.1			9.8			265		5	150		3	2.726	6191	85157.1	4.107	2770	2349	381.8	298.9		1.525				6.44	3	0.153			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 37708 FLOW
 29103 CBOD
 41590 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