



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

December 7, 2014

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-November 2014**

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 November 2014.

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 a horizontal line.

Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 11.14.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, KY 40211

Report Dates & Status			
Monitoring Period:	From 11/01/14 to 11/30/14	DMR Due Date:	12/28/14
Status:	NetDMR Validated		

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	=	8.6				=	19	- mg/L			0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	7 INST MIN												
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.7				=	7.9	12 - SU		0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB		
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM								
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	66	=	95	26 - lb/d	=	2	=	4	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	=	6151	=	7470	26 - lb/d	=	213	=	235	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	=	14	=	19	26 - lb/d	=	0.5	=	0.7	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	=	550	=	566	26 - lb/d	=	20	=	24	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	=	2	=	2	26 - lb/d	=	0.1	=	0.1	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	=	3.375	=	5.666	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	=	4	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	=	101	=	123	26 - lb/d	=	3	=	4	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	=	4281	=	5189	26 - lb/d	=	149	=	164	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						=	99			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
201411_CedarCreek_MOR.pdf	pdf	38634
201411_CedarCreek_coverletter.pdf	pdf	17258

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2014-12-17 11:04 (Time Zone: -05:00)

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: November 2014
 RECEIVING STREAM CEDAR CREEK

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 X1000	GAL/DAY X 1000	DISTRIBUTION	DISSOLVED OXYGEN (mg/L) X 1000	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)				
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS			% VOLATILE SOLIDS	WITHDRAWN FLOWS X 1000		
1	3.53			6.7	6.7				8.6								1.79		70000		3.3			340	310											
2	3.25			6.8	6.7				9.4		232		4	178		3	1.71				2.8			340	300							0.28		0.088		
3	3.09			6.9	6.9				8.9		154		5	153		3	1.74	7310	60000		2.7	2570	2010	330	300							0.56	4	0.059		
4	2.83			6.8	6.8				8.6		246		2	141		3	1.77	5300	70000		2.9	2850	2360	380	310							0.56	2	0.073		
5	2.82			6.9	6.7				8.8								1.79	5980	65000		2.8	2700	2240	390	310									2		
6	2.90			6.8	6.7				8.7								1.67	5740	65000		2.8	2670	2190	360	280			1.3								
7	2.74			6.8	6.9				8.8								1.76		65000		4.3			350	270											
8	2.92			6.8	7.1				9.4								1.76		65000		3.0			300	250							0.50		0.067		
9	2.97			7.0	7.8				8.8		292		1	196		4	1.75		65000		3.0			300	250							0.50		0.067		
10	2.70			6.9	7.7				9.8		224		2	161		4		6800	65000		3.3	2680	2260	300	260							0.56	2	0.109		
11	2.70			7.1	7.8				9.2		190		1	134		4	1.76	6210	65000		3.6	2620	2180	300	250							0.34	5	0.073		
12	2.77			6.9	7.9				9.5								1.76	5540	65000		2.8	2650	2170	380	300							1.40	3	0.07		
13	2.70			6.8	7.2				9.8								1.85	5440	60000		3.2	2580	2110	360	300											
14	2.58			6.9	7.1				9.7								1.84	5930	60000		3.4	2620	2070	370	300			1.2								
15	2.90			6.7	7.0				9.5								1.81		60000		3.9			370	300											
16	2.99			6.9	7.3				9.6		285		5	182		4	1.81		60000		3.3			370	290							0.28		0.072		
17	4.09			6.7	6.9				9.8		172		2	106		4	1.83	7070	60000		3.6	2950	2380	380	300							0.28	4	0.066		
18	3.74			6.9	7.1				9.6		186		2	130		3		7860	60000		3.4	2790	2400	390	320							0.39	2	0.082		
19	3.57			6.9	6.8				10.0								1.81	6790	60000		5.4	2710	2230	370	300									6		
20	3.36			7.1	7.2				9.6								1.76	6040	60000		2.8	2880	2430	380	310			1.3								
21	3.15			7.0	6.9				9.4								1.83	5850	65000		2.8	2740	2310	390	300											
22	3.25			7.0	7.0				9.6								1.82		65000		3.0			350	300											
23	4.06			7.0	7.0				9.2		228		2	201		3	1.32		65000		3.0			350	200							0.84		0.052		
24	5.67			6.7	6.8				9.5		67		1	51		3	1.66	12890	65000		2.6	1450	1190	180	150							0.34	8	0.054		
25	5.04			6.9	7.1				9.6		274		1	151		3	2.78	5910	65000		3.3	2850	2370	390	300							0.28	4	0.044		
26	4.52			6.8	6.9				8.7								3.40	8180	70000		2.0	2950	2450	380	300			1.5						2		
27	3.94			7.0	7.0				9.1								2.90		70000		3.1			380	290											
28	3.43			6.9	6.8				9.0								2.12		70000		2.5			370	300											
29	3.51			7.0	7.0				9.1								2.19		70000		3.0			350	300											
30	3.55			6.9	7.1				8.8								2.15		70000		3.1			400	300											
31																																				
Tot.	101.26																52.38																			
Avg.	3.38			6.9	7.1				9.3		213		2	149		3	1.94	6712.2	64655		3.16	2669	2203	355.7	286.3			1.325				0.51	3	0.07		

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
32146
 FLOW
24617
 CBOD
28485
 TSS

Joseph Shaun Smith
 OPERATOR

20987
 CERT. NO.

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

502-540-6000
 PLANT TELEPHONE