



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

October 9, 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-September 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 September 2014.

There were no exceedances, overflow or bypasses to report.

Also attached is the 3rd quarter Biomonitoring DMR.

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 09.14.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 09/01/14 to 09/30/14	DMR Due Date:	10/28/14
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	=	7.3				=	7.3				19 - mg/L	0	29/30 - 29 Per Month 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	=	6.8				=	7.6			12 - SU	0	29/30 - 29 Per Month 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	=	55	=	61	26 - lb/d	=	2	=	3	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	=	5524	=	7051	26 - lb/d	=	244	=	336	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	1	--	Sample	=	9	=	11	26 - lb/d	=	0.4	=	0.5	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	250 MO AVG	<=	375 MX WK AV	26 - lb/d	<=	4 MO AVG	<=	6 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	443	=	511	26 - lb/d	=	19	=	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	1	--	Sample	=	3	=	3	26 - lb/d	=	0.1	=	0.1	19 - mg/L	0	16/30 - 16 Per Month 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	63 MO AVG	<=	94 MX WK AV	26 - lb/d	<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.914	=	7.673	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	=		=			=	2	=	3	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	=	46	=	54	26 - lb/d	=	2	=	2	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	=	2489	=	2903	26 - lb/d	=	110	=	138	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
201409_CedarCreek_coverletter.pdf	pdf	16869
201409_CedarCreek_MOR.pdf	pdf	39622

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2014-10-16 13:00 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

DMR Copy of Record

Permit					
Permit #:	KY0098540	Permittee:	CEDAR CREEK WQTC MSD	Facility:	CEDAR CREEK WQTC MSD
Major:	Yes	Permittee Address:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211	Facility Location:	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-Y METALS/BIOMONITORING/QUARTERLY		

Report Dates & Status					
Monitoring Period:	From 07/01/14 to 09/30/14	DMR Due Date:	10/28/14	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	Greg	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Heitzman				

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	
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	212		=	212	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						=	0.001		=	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						=	0.013		=	0.013	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.015		=	0.015	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.										<=	1 DAILY MX		2G - tox chronic	01/90 - Quarterly	CP - COMPOS
					Value NODI															

Submission Note
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Edit Check Errors
 No errors.

Comments

Attachments
 No attachments.

Report Last Saved By
 CEDAR CREEK WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2014-10-16 13:01 (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: September 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	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		WASTE	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	RAW			HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus		
																					GAL/DAY X 1000	MLSS X1000							GAL/DAY X 1000	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	2.98			6.9	7.0				7.9		252		3	140		2	1.30		40000	3.5			3.5	1740	1450	240	210						25.2	0.22		0.1		
2	2.91			6.8	6.9				8.1		204		2	99		2	1.26	4360	40000	3.1			3.1	1740	1450	240	210						17.1	0.34	2	0.1		
3	2.80			6.7	6.9				7.9		192		2	90		2	1.68	4610	67500	3.7			3.7	1860	1610	240	220						75.9	0.62	8	0.1		
4	2.59			6.8	6.8				8.0								1.68	4720	50000	3.5			3.5	1930	1630	220	200			0.9			88.5		2			
5	2.48			6.7	6.9				7.8								1.74	4940	60000	3.7			3.7	2110	1840	220	200						82.2					
6	2.59			6.8	7.1				7.6								1.68		32000	3.0			3.0			220	200											
7	2.62			7.1	7.0				7.5				3				1.66		47500	2.9			2.9			210										0.1		
8	2.47			6.7	6.9				7.7		220		2	127		2	1.73	6270	50000	2.7			2.7	2360	1920	240	220						67.5	0.06		0.1		
9	2.24			6.9	7.2				7.9		280		2	154		2	1.68	4860	60000	3.5			3.5	2460	2040	230	220						36	0.22	2	0.1		
10	2.34			7.1	6.9				8.1		150		2	47		2	1.74	6700	97500	3.2			3.2	2710	2150	250	230						36	0.50	3	0.1		
11	7.67			7.1	7.0				8.4				2				1.77	5620	65000	2.8			2.8	2640	2110	250	220			1			6		2	0.1		
12	4.74			6.9	7.2				8.2								3.21	5610	70000	2.5			2.5	2500	2060	240	220											
13	3.74			6.8	6.9				8.1								4.04		72500	2.4			2.4			240	220											
14	3.48			6.9	7.0				8.4				2				4.28			3.2			3.2			240	220									0.1		
15	3.29			6.5							192		2	77		2	4.28	5790	70000	2.3			2.3	3220	2490	340	290						73.8	0.62		0.1		
16	3.21			6.7	7.3				8.3		180		2	69		2	3.33	5940	75000	2.6			2.6	2990	2270	310	280						36	0.34	2	0.1		
17	3.27			6.7	6.8				8.4		264		2	103		2	1.65	5900		3.8			3.8	2720	2170	300	270						54	0.28	2	0.1		
18	2.67			6.8	7.0				8.7				2				1.41	5940	75000	2.7			2.7	3620	2850	350	320						54		2	0.1		
19	2.56			6.9	7.4				8.5								1.67	5850	75000	3.2			3.2	3360	2680	350	300						70.2					
20	2.65			6.7	7.3				7.9								1.56		75000	2.5			2.5			250												
21	2.76			6.9	7.6				7.4								1.46			2.8			2.8			280	250											
22	2.45			6.8	7.3				7.3		312		2	153		2	1.47	6500	67500	1.7			1.7	2680	2060	280	250						37.8	0.73		0.1		
23	2.66			6.9	7.4				7.7		308		2	126		2	1.38	7020	72000	2.7			2.7	2580	2070	300	280			0.9			60	0.22	2	0.1		
24	2.45			6.8	7.3				7.8		388		2	136		2	1.61	7410	90000	3.1			3.1	2760	2190	300	280						48	0.45	2	0.1		
25	2.41			7.1	7.2				7.6								1.64	7360	95000	3.2			3.2	2750	2090	280	260						72		2			
26	2.31			6.9	7.4				7.7								1.67	6840	85000	2.9			2.9	2660	2010	280	250						109.2					
27	2.32			7.1	7.6				7.7								1.64		90000	3.1			3.1			280	250											
28	2.44			7.1	7.3				7.9								1.58		85000	2.8			2.8			280	250											
29	2.19			6.8	7.1				7.7								1.34	6100	80000	2.9			2.9	2500	1970	270	250						36					
30	2.13			6.9	6.9				7.9								1.56	5870	85000	3.1			3.1	2560	2010	270	240						36					
31																																						
Tot.	87.43																58.7																		1121.4			
Avg.	2.91			6.9	7.1				7.9		244		2	110		2	1.957	5915	69315	2.97			2.97	2605	2080	269	242.4						0.95		53.4	0.38	2	0.1

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

27754 FLOW 15738 CBOD 28182 TSS

Joseph Shaun Smith
 OPERATOR

20987
 CERT. NO.

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

502-239-7574
 PLANT TELEPHONE