



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

September 10, 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-August 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 August 2015.

There were no exceedances, bypasses or overflows to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,


Kevin Thompson
Process Supervisor Central Region

KLT/Cedar Creek 08.15.doc

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit

Permit #:
Major:

KY0098540
Yes

Permittee:
Permittee Address:

CEDAR CREEK WQTC MSD
8405 CEDAR CREEK RD
LOUISVILLE, KY 40211

Facility:
Facility Location:

CEDAR CREEK WQTC MSD
8405 CEDAR CREEK RD
LOUISVILLE, KY 40211

Permitted Feature:

001
External Outfall

Discharge:

001-2
TOXICITY

Report Dates & Status

Monitoring Period:

From 08/01/15 to 08/31/15

DMR Due Date:

09/28/15

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	7.2					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						=	6.3			=	7.5	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	=	77	=	86	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.	<=	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	=	5498	=	6572	26 - lb/d			=	225	=	261	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	=	7	=	17	26 - lb/d			=	0.3	=	0.6	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	=	557	=	580	26 - lb/d			=	23	=	25	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	=	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.	<=	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	=	3.201	=	5.951	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								=	4	=	8	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 [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	78	=	165	26 - lb/d			=	3	=	6	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 [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	3719	=	4513	26 - lb/d			=	151	=	159	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
201508_CedarCreek_MOR.pdf	pdf	1079463
201508_CedarCreek_coverletter.pdf	pdf	404758
Report Last Saved By		
CEDAR CREEK WQTC MSD		
User:	kevin.thompson@louisvillemsd.org	Date/Time: 2015-09-22 08:38 (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: August 2015
 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	RETURN		WASTED GAL/DAY X 1000	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					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
1	2.72			6.8	7.0						8.2							2.21		75000	3.8			270	240										
2	2.73			6.8	6.9						8.6		238		4	144		2	2.10		75000	4.1			280	240							0.40		0.1
3	2.65			6.7	7.1	16.0					8.4		372		3	172		2	2.16	5500	75000	4.0	2730	2210	260	240							0.12	3	0.093
4	2.62			6.8	7.0	20.0					7.3		147		4	162		2	2.17	5260	75000	4.2	2640	2360	270	230							0.41	4	0.105
5	3.61			6.7	6.7	20.0					7.4								2.61	7010	75000	3.8	2480	2230	280	260				2.1				2	
6	5.47			6.8	6.8						7.8								2.08	6550	75000	3.9	2720	2100	280	250									
7	5.00			6.7	6.8						8.1								2.17	7150	75000	4.1	2240	1770	270	250									
8	3.81				6.4						8.4								1.76		75000	4.2			280	260									
9	3.38			6.8	6.7						8.7		188		3	214		2	1.83		75000	3.0			280	250							1.20		0.067
10	3.50			6.7	6.8	10.0					7.2		236		3	166		13	2.09	4950	75000	3.3	2230	1700	250	240							0.31	2	0.07
11	3.45			6.8	6.8	15.0					8.0		126		3	92		2	2.03	6050	75000	3.8	2490	1980	270	240							0.25	2	0.053
12	3.01			6.7	6.8	15.0					8.3								2.16	5600	75000	4.2	2320	2000	260	230				1.8				2	
13	2.90			6.9	6.7						8.4								2.16	5290	75000	4.3	2240	1760	260	220									
14	2.77			6.8	6.6						8.2								2.20		75000	4.1	2410	1910	250	220									
15	2.79			6.9	6.8						8.0								2.27		75000	3.9			250	220									
16	2.79			6.7	6.6						8.3		228		3	193		2	2.19		75000	4.1			260	220							0.09		0.045
17	2.64			6.6	7.1	16.0					8.0		170		3	123		2	2.16	4610	70000	3.8	2280	1880	250	220							0.16	10	0.037
18	2.59			6.8	6.9	7.0					7.8		210		3	130		2	2.30	3950	65000	3.7	2190	1800	250	230							0.09	6	0.055
19	2.93			6.9	7.0	10.0					8.0								2.32	4480	65000	3.6	2290	1960	250	220								10	
20	5.95			6.2	6.6						7.8								2.23	10630	60000	2.0	1950	1600	210	220									
21	3.72			6.2	6.3						8.2								2.32	5920	65000	3.4	2360	1950	250	200									
22	3.36			6.5	6.5						8.4								2.28		65000	3.7			250	240									
23	3.32			6.7	6.5						8.0		302		3	161		3			65000	2.6			250	230							0.18		0.074
24	2.93			6.7	6.7	14.0					8.2		220		3	116		2	2.29	5970	65000		2190	1840	250	240							0.12	2	0.049
25	2.76			6.7	6.8	18.0					8.4		260		3	138		2	2.40	5720	70000	3.8	2360	2040	250	230							0.09	8	0.03
26	2.73			7.0	7.2	18.0					8.0								2.35	4230	70000	3.3	2420	1980	250	230								2	
27	2.58			6.9	7.1						8.3								2.64	4480	70000	3.8	2480	2010	250	230				0.9					
28	2.49			7.2	7.5						8.4								2.19	5020	70000	3.9	2430	1980	280	220									
29	2.59			7.1	7.3						8.5								2.26		70000	4.0			250	250									
30	2.82			6.9	7.1						8.2								2.35		70000	3.4			270	240									
31	2.64			6.8	7.2						8.3								2.30	5380	70000	2.8	2450	2040	260	240									
Tot.	99.24																		66.58																
Avg.	3.20			6.8	6.8	14.9					8.1		225		3	151		3	2.219	5688	71290	3.687	2376	1957	259.4	233.9				1.6			0.29	4	0.065

RESIDENTIAL	INDUSTRIAL WASTE POPULATION EQUIVALENT				
COMMERCIAL	30490	23703	28575	Joseph Shaun Smith	20987
INDUSTRIAL	FLOW	CBOD	TSS	OPERATOR	CERT. NO.
TOTAL NUMBER OF SEWER CONNECTIONS	0				
SEWER CONNECTIONS	0	X	4	=	0
	SEWERED POPULATION				502-239-7695
					PLANT TELEPHONE