



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

December 17, 2013

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 2013**

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 2013.

There were no exceedences, bypasses or overflows 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 "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 11.13.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 11/01/13 to 11/30/13	DMR Due Date:	12/28/13
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Exec. Dir
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									19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 INST MIN									19 - mg/L		03/07 - Three Per Week	GR - GRAB
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7					=	8		12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM		12 - SU	03/07 - Three Per Week		GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	76	=	115	26 - lb/d		=	2	=	2	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	1876 MO AVG	<=	2815 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	4882	=	5803	26 - lb/d		=	147	=	177	19 - mg/L	0	03/07 - Three Per Week	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	6	=	9	26 - lb/d		=	0.2	=	0.3	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	401	=	424	26 - lb/d		=	13	=	16	19 - mg/L	0	03/07 - Three Per Week	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=	3	=	5	26 - lb/d		=	0.1	=	0.1	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d		<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.987	=	8.707	03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	CN - CONTIN
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	3	=	5	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	68	=	94	26 - lb/d		=	2	=	2	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	2174	=	2383	26 - lb/d		=	67	=	78	19 - mg/L	0	03/07 - Three Per Week	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		03/07 - Three Per Week	CP - COMPOS
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	97		23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO MIN		23 - %		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 MIN		23 - %		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
CC112013_cover.pdf	pdf	16196
CC112013_MOR.pdf	pdf	52786

Report Last Saved By

CEDAR CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2013-12-26 12:57 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: November 2013
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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		WASTE	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 x 1000					GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000
1	8.71			6.7	7.3				8.2								3.73	5490	70000	3.5	2870	2280	320	290											
2	5.15			6.7	7.0				8.4								3.26		70000	3.0			370	340											
3	4.27			6.9	7.2				7.9	106		2	44		2	3.43		70000	2.8			350	320								0.06	2	0.1		
4	4.33			6.8	6.9	26.0			8.2	236		2	75		2	3.51	4040	75000	3.5	3000	2450	350	310								0.13	3	0.1		
5	3.83			7.0	7.1	18.0			8.0	160		3	70		2	2.87	4490	75000	3.2	2840	2330	330	300								0.16	3	0.1		
6	3.20			7.2	6.8	20.0			8.2							2.20	6180	75000	3.4	2380	2130	300	290												
7	3.88			7.0	7.2				8.1							2.30	5500	75000		2290	1930	300	260												
8	3.31			7.0	7.4				8.8							2.50	5460	75000		2150	1800	310	280												
9	3.46			6.8	7.4				8.5							2.43		75000	2.3			300	270												
10	3.29			7.0	7.5				8.5	205		2	93		2	2.47		75000	3.6			300	260							0.10	4	0.1			
11	3.09			6.9	7.4	16.0			8.3	54		2	39		2	2.44	5110	70000	2.8	2360	1970	290	260							0.01	6	0.1			
12	2.90			7.1	7.2	21.0			9.6	148		2	102		2	2.38	5690	75000	2.8	2470	1990	290	270							0.28	4	0.1			
13	2.77			7.2	7.2	20.0			9.5							2.90	4130	75000	3.2	2270	1890	290	280												
14	2.84			7.1	7.4				9.6							1.90	5150	70000	2.9	2220	1840	290	260												
15	2.81			7.2	7.3				9.4							1.79	4150	80000	2.8	2260	1810	280	250												
16	2.96			7.0	7.4				9.7							1.69		75000	3.1			280	250												
17	8.16			6.8	7.2											1.74		75000				270	250												
18	7.61			7.0	7.4				9.5	125		3	47		2	2.96	7300	70000	2.9	2230	1890	290	260							0.14	2	0.1			
19	5.16			6.8	6.8	14.0			9.4	81		2	57		2	4.04	6260	75000	2.6	2940	2290	350	290							0.13	2	0.1			
20	4.19			6.9	7.2	21.0			9.4	118		2	49		2	3.19	6410	80000	2.9	2810	2190	320	280							0.26	4	0.1			
21	3.79			7.0	7.1	19.0			9.6							3.29	5100	75000	3.4	2160	1860	300	260												
22	3.45			6.8	7.1				9.2							3.38	4080	75000	2.8	2410	1950	290	250												
23	3.39			6.7	6.9				9.8							3.35		92500	2.6			290	260												
24	3.36			6.7	6.6				9.6	54		2	38		2	3.13		85500	3.0			300	280							0.42	2	0.1			
25	3.43			6.8	6.8	20.0			9.5	284		2	109		2	3.10	3690	67500	2.8	2340	2040	330	280							0.24	2	0.1			
26	3.36			6.8	7.0	16.0			9.7	192		2	79		2	2.57	5140	65000	3.0	2230	1850	300	270						0.30	2	0.05				
27	3.48			6.7	6.8	21.0			9.9							1.91	4710	80000	3.3	2040	1710	300	260												
28	3.54			6.9	7.1				9.2								4513	87000	3.1			280	260												
29	2.96			7.1	7.2				9.5							1.85	4513	87000	2.8			290	260												
30	2.95			6.8	7.1				9.8							1.79	4513	100000	1.9			280	280												
31																																			
Tot.	119.61															78.1																			
Avg.	3.99			6.9	7.1	19.3			9.1	147		2	67		2	2.693	5074	76483	2.963	2435	2011	304.7	274.3							0.19	3	0.096			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

37970 FLOW 13072 CBOD 23262 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