



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

September 9, 2013

Ms. Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane, 4<sup>th</sup> Floor  
Frankfort, Kentucky 40601

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report-August 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 August 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 cursive script that reads "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 08.13.doc

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

DMR Copy of Record

<b>Permit</b>			
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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 08/01/13 to 08/31/13	DMR Due Date:	09/28/13
Status:	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
First Name:	Greg	Title:	Exec. Dir.
Last Name:	Heitzman	Telephone:	502-540-6000

<b>No Data Indicator (NODI)</b>			
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				=	7				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	=	7				=	8			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	=	39	=	40	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.	<=	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	=	3965	=	4678	26 - lb/d	=	221	=	262	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	=	11	=	29	26 - lb/d	=	0.6	=	1	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	=	391	=	421	26 - lb/d	=	22	=	23	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	=	2.187	=	3.374	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	=	36	=	40	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	=	1898	=	2035	26 - lb/d	=	107	=	123	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
CC082013_cover.pdf	pdf	17056
CC082013_MOR.pdf	pdf	54211

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User:	kevin.ries@louisvillemsd.org	Date/Time:	2013-09-23 09:34 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: August 2013

KPDDES PERMIT NUMBER KY0098540

KY0098540

PLANT CAPACITY 7.5 MGD

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 X 1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLYSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus			
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000						
1	2.18			6.8	7.1				8.0		215	3	116		2	2.49	4780	55000	3.9	2490	1960	230	220										0.56	2	0.1		
2	1.20			6.9	6.9	18.0			7.8						2	2.39	4450	60000	3.4	2550	2110	230	220														
3	1.79			6.4	7.4				8.1							2.35		60000	3.6			200	190														
4	1.99			6.4	7.2				8.3	270		2	131		2	3.73		60000	3.4			250	240									0.45	4	0.1			
5	1.88			6.7	7.0	21.0			8.2	235		2	114		2	3.87	4590	60000	3.9	2560	2040	250	240									0.34	2	0.1			
6	2.58			6.6	7.1	17.0			8.1							3.93	4760	65000	3.8	2470	1990	270	240														
7	2.14			6.8	7.0				7.9							2.56	5360	65000	2.7	2670	2210	280	270														
8	1.89			6.9	6.8				8.1	212		2	141		2	1.49	5710	65000	2.6	2550	2040	300	290									0.60	3	0.1			
9	2.62			6.6	6.6	15.0			7.8							1.47	5240	65000	2.5	2620	2160	300	280														
10	3.37			6.4	7.0				7.8							1.46		65000	2.9			290	260														
11	2.82			6.6	6.9				7.7	205		2	78		2	1.42		65000	2.7			300	270								1.90	2	0.1				
12	2.56			6.4	6.7	12.0			7.9	275		2	96		2	1.31	6900	65000	2.6	2840	2260	290	280									1.60	2	0.1			
13	3.19			6.8	7.6	14.0			7.8							1.45	7290	65000	2.6	2590		280	250														
14	2.61			7.0	7.6				8.2							1.51	6190	65000	3.8	2710	2280	290	250														
15	2.31			6.9	6.9				7.9	190		2	105		2	1.56	6090	70000	3.6	2770	2060	280	250								0.22	2	0.1				
16	2.17			7.2	7.8	16.0			8.0							1.55	6150	70000	3.4	2800	2320	270	220														
17	2.25			6.9	6.7				7.4							1.47		70000	2.8			260	230														
18	2.28			6.8	7.6				7.6	90		2	51		2	1.52		70000	2.6			260	230								0.22	2	0.1				
19	2.10			6.9	7.4	18.0			7.8	175		2	86		2	1.35	5960	70000	2.6	2680	2040	260	230								0.25	3	0.1				
20	2.00			7.1	7.5	22.0			7.5							1.44	5620	70000	2.4	2610	2030	250	220														
21	1.98			6.8	7.4				7.6							1.46	5800	70000	3.7	2370	1910	250	230														
22	1.96			6.9	7.3				7.6	235		3	123		2	1.49	5620	65000	5.1	2410	1990	240	190								0.30	2	0.1				
23	1.87			6.9	7.4	16.0			7.5							1.49	4800	70000	2.8	2170	1820	200	190														
24	1.99			6.6	7.6				8.4							1.53		65000	3.0			200	180														
25	2.05			6.6	7.4				7.8	310		2	128		2	1.44		65000	4.0			200	190								0.17	2	0.1				
26	1.94			6.8	7.4	21.0			7.9	240		2	117		2	1.42	4650	60000	3.6	2676	2130	200	180								0.06	4	0.1				
27	1.88			7.2	7.6	18.0			7.6							1.37	3730	60000	3.6	2290	1840	200	180														
28	1.89			7.4	7.8				7.4							1.27	3940	55000	3.4	2170	1810	190	180														
29	1.95			7.2	7.4				7.5							1.25	4810	55000	3.1	2310	1980	190	180														
30	1.88			7.5	7.6				7.6							1.24	4650	55000	3.2	2560	2140	190	180														
31	2.47			7.5	8.1				7.4							1.24		55000	3.4			180	170														
Tot.	67.81															55.52																					
Avg.	2.19			6.9	7.3	17.3			7.8	221		2	107		2	1.791	5322	63710	3.248	2539	2053	244.5	223.5								0.56	2	0.1				

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
20832  
FLOW  
11500  
CBOD  
19198  
TSS

Jospeh Shaun Smith  
OPERATOR

20987  
CERT. NO.

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

502-500-3532  
PLANT TELEPHONE