



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

June 20, 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-May 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 May 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 that reads "Duane V. Wright". The signature is written in a cursive style with a large initial "D".

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 05.13.doc

Enclosures

cc: T. Singleton  
R. Shaw



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

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0098540</b>	<b>Permittee:</b>	CEDAR CREEK WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-2</b> NEW EXPANSION
<b>Facility:</b>		<b>Facility Location:</b>	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40211

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 05/01/13 to 05/31/13</b>	<b>DMR Due Date:</b>	<b>06/28/13</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

<b>Considerations for Form Completion</b>			
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<b>Principal Executive Officer</b>			
<b>First Name:</b>	Greg	<b>Title:</b>	Executive Director
<b>Last Name:</b>	Heitzman	<b>Telephone:</b>	502-540-6000

<b>No Data Indicator (NODI)</b>			
<b>Form NODI:</b>	--		

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 03/07 - Three Per Week	GR - GRAB GR - GRAB			
					Permit Req.	>=	7	INST MIN													
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.4				=	7.6	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	=	83	=	163	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
					Value NODI																
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	3932	=	6194	26 - lb/d	=	125	=	182	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
					Value NODI																
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	1	--	Sample	=	22	=	50	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
					Value NODI																
00610	Nitrogen, ammonia total (as N)	G - Raw Sewage Influent	0	--	Sample	=	410	=	454	26 - lb/d	=	14	=	18	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
					Value NODI																
00665	Phosphorus, total (as P)	1 - Effluent Gross	1	--	Sample	=	4	=	7	26 - lb/d	=	0.2	=	0.3	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
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.67	=	7.45	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	=	5	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		
					Value NODI																
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	63	=	82	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
					Value NODI																
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	1888	=	2226	26 - lb/d	=	64	=	67	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
					Value NODI																
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	97			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						=	98			23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD			
					Permit Req.						>=	85	MO MIN						23 - %		
					Value NODI																

<b>Submission Note</b>			
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.			
<b>Edit Check Errors</b>			
No errors.			
<b>Comments</b>			

**Attachments**

Name	Type	Size
CC052013_cover.pdf	pdf	16721
CC-052013_MOR.pdf	pdf	54389

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User: kevin.ries@louisvillemsd.org	Date/Time: 2013-06-27 10:41 (Time Zone: -04:00)
Name: kevin ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: May 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 D	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			
1	3.84			6.5	6.5				8.8			2	84		2	2.89	4860	65000	4.3	2390	2000	400	300							0.95	2	0.1		
2	3.43			6.4	6.5				9.1			4	89		2	2.14	5910	65000	3.8	2560	2180	380	310							0.95	5	0.1		
3	3.07			6.5	6.4				8.7							1.79	6240	65000	3.2	2710	2280	390	330											
4	3.35			6.4	6.6				9.0							1.88	9960	65000	3.2	2440	2150	350	280											
5	7.45			6.6	6.4				9.7		60	5	21		2	1.31	9460	65000	3.5	2160	1710	370	290							1.50	12	0.1		
6	6.31			6.7	6.6				10.0							2.29	5540	60000	2.6	1590	1280	250	200											
7	5.57			6.6	6.5				9.8							2.87	6290	60000	3.4	2470	2000	380	300											
8	4.35			6.6	6.7				9.5		155	2	67		2	2.87	5840	60000	2.5	2390	1960	350	300							0.49	4	0.1		
9	3.74			6.8	6.7				9.7		90	2	46		2	2.90	6880	60000	3.2	2520	2100	320	290							1.10	2	0.1		
10	6.61			6.8	6.9				9.9							2.97	5080	60000	3.0	2640	2200	340	280											
11	7.13			6.8	6.6				10.0							2.60	7620	60000	3.8	2590	1610	300	250											
12	5.03			6.7	6.8				9.6		188	2	67		2	2.60		60000	3.5			300	260							0.17	4	0.1		
13	4.01			6.6	6.7				9.1							2.76	4560	51000	3.7	2060	1780	380	320											
14	3.54			6.8	7.1				8.9							3.45	4020	60000	3.4	2380	2000	350	310											
15	3.09			6.9	6.7				8.7		96	2	92		2	3.36	5120	60000	5.0	2570	2150	380	300							0.22	2	0.1		
16	3.24			7.0	7.0				8.9		56	2	62		2	3.44	4330	65000	3.4	2230	1830	390	30							0.15	2	0.1		
17	3.02			6.7	6.9				8.6							3.41	4450	65000	4.4	2250	1860	370	30											
18	2.92			6.9	6.7				8.8							3.40		60000	3.6			360	300											
19	2.95			6.8	6.7				8.2		62	2	38		2	3.44		60000	3.6			360	310							0.90	2	0.1		
20	2.69			7.0	7.6				8.3							3.20	5670	60000	3.8	2220	1830	380	320											
21	2.66			6.5	6.5				8.1							3.58	4360	60000	4.5	2530	2140	370	310											
22	2.73			7.0	7.4				8.3		94	2	61		2	3.55	4760	60000	4.5	2230	1920	390	320							0.06	2	0.747		
23	2.72			7.1	7.0				8.4		78	2	66		2	3.54	5650	60000	4.3	2390	2030	400	330							0.78	2	0.1		
24	2.52			6.9	7.1				9.0							3.50	6080	0	3.4	2490	2090	360	300											
25	2.49			6.8	6.6				8.8							3.61	4150	50000	3.0	2500	1960	460	350											
26	2.36			7.8	6.9				9.6							3.49		60000	3.9			380	310											
27	2.52			7.6	7.2				8.5		136	2	75		2	3.38		60000	3.3			390	330							0.29	5	0.1		
28	2.32			7.0	6.7				7.9							3.37	4780	73000	2.9	2000	1380	390	310											
29	2.87			7.3	6.9				8.1							3.46	5160	50000	3.2	2310	1540	370	300											
30	2.72			7.5	6.8				7.9							2.51	5600	57000	3.5	2630	2110	360	310											
31	2.50			7.6	6.7				7.9							1.92	5410	60000	2.9	2590	2060	350	300											
Tot.	113.75															91.48																		
Avg.	3.67			6.9	6.8				8.9		125	2	64		2	2.951	5684	58581	3.554	2378	1929	365.2	283.2							0.63	3	0.154		

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
34945 FLOW  
11520 CBOD  
18227 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