



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

February 10, 2015

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-January 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 January 2015.

There were no exceedances, overflow or bypasses 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 "Kevin Thompson", is written over the typed name.

Kevin Thompson  
Process Supervisor Central Region

KLT/Cedar Creek 01.15.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 01/01/15 to 01/31/15</b>	<b>DMR Due Date:</b>	<b>02/28/15</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	=	8.6									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	=	6.2				=	7.3			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	=	96	=	118	26 - lb/d	=	3	=	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	=	8446	=	10954	26 - lb/d	=	274	=	319	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	2	--	Sample	=	58	=	79	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.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	631	=	795	26 - lb/d	=	21	=	26	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	2	--	Sample	=	3	=	3	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.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L				
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.546	=	4.63	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	=	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	=	90	=	106	26 - lb/d	=	3	=	3	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	=	5300	=	6266	26 - lb/d	=	173	=	205	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														

<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
012015_CedarCreek_MOR.pdf	pdf	38821
012015_CedarCreek_coverletter.pdf	pdf	17091

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User: kevin.thompson@louisvillemsd.org

Date/Time: 2015-02-20 08:45 (Time Zone: -05:00)

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: January 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	GAL/DAY X 1000	MLSS X 1000	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 (COLON/100ML)	Total Phosphorus		
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000					
1	3.92			6.4	6.3												2.03		2.03	10.6			300	260									1.80		0.064	
2	3.72			6.7	6.7												1.98	5700	1.98	10.2	2670	2280	290	250			1.6						2			
3	4.05			6.5	6.7												2.03		2.21	10.3			310	270												
4	4.63			6.6	6.6												2.03	8140	2.03	9.2	2640	2500	320	260									1.50		0.096	
5	4.11			6.6	6.8	24.0											1.95	4910	1.95	9	2520	2030	280	240								1.10	4	0.087		
6	3.89			6.7	6.6	16.0											2.23	5700	2.23	9.4	2440	2130	270	240									5			
7	3.62			6.8	6.8												2.20	5920	2.2	9.6	2610	2320	350	250												
8	3.63			6.6	6.8												2.18	5760	2.18	10.3	2660	2310	330	250			1.5						1.10		0.101	
9	3.40			6.8	6.8	18.0											2.17	5560	2.17	9.5	2630	2310	320	250									2			
10	3.49			6.7	6.8												2.25		2.25	9.7			330	250												
11	3.56			7.0	7.3												2.13		2.13	9.7			350	270									1.30		0.09	
12	3.79			6.9	6.8	19.0											2.16	5010	2.16	9.8	2480	2220	320	260								3.50	6	0.088		
13	3.70			6.9	7.0	23.0											2.10	6290	2.1	9.7	2540	2200	320	250										2		
14	3.54			6.8	6.7												2.26	5380	2.26	9	2490	2180	310	250												
15	3.35			6.4	6.2												2.24	7610	2.24	9.8	2720	2270	330	280									0.31		0.1	
16	3.22			6.7	6.8	18.0											2.25	6240	2.25	9.5	2580	2200	320	260										2		
17	3.44			6.6	6.7												2.24		2.24	9.2			320	260									0.39		0.111	
18	3.50			6.8	6.8												2.09		2.09	9.4			320	250										2		
19	3.39			6.8	6.6												1.98		1.98	9			320	250									3.50		0.108	
20	3.17			6.8	6.9	16.0											1.98	7030	1.98	8.6	2580	2220	290	250									6			
21	3.11			6.6	6.6												2.22	5070	2.22	8.7	2480	2100	310	260			1.5									
22	3.12			6.9	6.7												2.27	5420	2.27	9.3	2580	2160	320	270									0.12		0.098	
23	2.96			6.6	6.8	33.0											2.25	7630	2.25	9	2620	2300	350	260									2			
24	3.52			6.7	6.5												2.18		2.18	9			300	250												
25	3.85			7.0	7.1												2.11		2.11	8.8			330	260									2.95		0.101	
26	3.62			6.7	6.8	30.0											1.83	5090	1.83	9.2	2570	1850	360	280								4.60	4	0.108		
27	3.45			6.7	7.0	26.0											2.26	5050	2.26	9	2460	2180	340	280			1.6							2		
28	3.31			6.8	6.7												2.22	5260	2.22	9.4	2550	2190	350	270												
29	3.32			6.7	6.8												2.27	5990	2.27	9.2	2500	2220	350	290												
30	3.19			6.7	6.7												2.18	5740	2.18	9	2410	1960	370	300												
31	3.37			6.7	6.4												2.15		2.15	9.5			370	300												
Tot.	#####																66.42																			
Avg.	3.55			6.7	6.7	22.3											2.143	5929	2.14839	9.2	2568	2197	324.2	261.9			1.55						1.85	3	0.096	

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
 33772 FLOW  
 30169 CBOD  
 38529 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