



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

November 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-October 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 October 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,

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 10.15.doc

Enclosures

cc: T. Singleton  
R. Shaw



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

**DMR Copy of Record**

**Permit**

<b>Permit #:</b>	<b>KY0098540</b>	<b>Permittee:</b>	CEDAR CREEK WQTC MSD	<b>Facility:</b>	CEDAR CREEK WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	8405 CEDAR CREEK RD LOUISVILLE, KY 40211	<b>Facility Location:</b>	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> MUNICIPAL DISCHARGE		

**Report Dates & Status**

<b>Monitoring Period:</b>	<b>From 10/01/15 to 10/31/15</b>	<b>DMR Due Date:</b>	<b>11/28/15</b>	<b>Status:</b>	<b>NetDMR Validated</b>
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**Considerations for Form Completion**

**Principal Executive Officer**

<b>First Name:</b>	James	<b>Title:</b>	Executive Director	<b>Telephone:</b>	502-540-6000
<b>Last Name:</b>	Parrott				

**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						=	7.7					19 - mg/L	01/01 - Daily	GR - GRAB		
					Permit Req.					>=	7 INST MIN						19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.4			=	8.2	12 - SU	01/01 - Daily	GR - GRAB		
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	80	=	103	26 - lb/d		=	3	=	3	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.	<=	1877 MO AVG	<=	2815 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	159	=	195	19 - mg/L	03/07 - Three Per Week	24 - COMP24				
					Permit Req.												19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	8	=	11	19 - mg/L	01/07 - Weekly	24 - COMP24				
					Permit Req.												19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	5	=	7	26 - lb/d		=	0.2	=	0.2	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.	<=	250 MO AVG	<=	376 MX WK AV	26 - lb/d		<=	4 MO AVG	<=	6 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.1	=	0.1	19 - mg/L	03/07 - Three Per Week	24 - COMP24				
					Permit Req.												19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.903	=	4.475	03 - MGD								99/99 - Continuous	RE - Record (manual)		
					Permit Req.															99/99 - Continuous	RE - Record (manual)
					Value NODI																
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.563	=	4.132	03 - MGD								99/99 - Continuous	RE - Record (manual)		
					Permit Req.															99/99 - Continuous	RE - Record (manual)
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	6	=	23	13 - #/100mL	03/07 - Three Per Week	GR - GRAB				
					Permit Req.													13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	53	=	69	26 - lb/d		=	2	=	2	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	122	=	147	19 - mg/L	03/07 - Three Per Week	24 - COMP24				
					Permit Req.													19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI																
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98				23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.													23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98				23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.													23 - %	0	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
201510_CedarCreek_coverletter.pdf	pdf	440676
CedarCreekMOR1015.pdf	pdf	118186

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User: staci.huber@louisvillemsd.org

Date/Time: 2015-11-20 14:56 (Time Zone: -05:00)

Name: Staci Huber

E-Mail: staci.huber@louisvillemsd.org

NAME OF TREATMENT PLANT CEDAR CREEK WTP  
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON  
 PLANT CAPACITY 7.5 MGD

MONTH OF: October 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		Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)							
		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	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	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	ECOLI										
																																							RETURN		WASTE	RAW		HAULED	
																																							WASTE	WASTE		WASTE	WASTE	WASTE	WASTE
1	3.96			7.3	7.8								94		3	136				2	4.78	7530	90000	2.6	3340	2710	270	250									0.06		3.776						
2	3.84			7.0	7.6	12.0															4.49	8230	115000	4.0	3300	2720	290	260									1		3.666						
3	5.52			7.6	7.7																4.71		75000	4.6			250	240											5.19						
4	4.14			7.4	7.6									132		3	101				4.38		85000	4.2			260	240								0.28	0.13	5.63	4.059						
5	4.28			7.4	7.6	15.0								194		3	110				4.38	5550		2.2	2900	2450	260	250							0.10	1	0.08	3.244							
6	3.35			7.5	8.0	18.0															3.19	7420	80000	3.9	2650	2130	260	240								1		2.923							
7	2.86			7.4	8.2																2.14	6180	102500	3.6	3130	2650	260	240										2.725							
8	2.87			7.5	7.9									160		3	101				2.25	5360	120000	3.8	2950	2400	260	240							0.24	0.09		2.627							
9	3.06			7.6	8.2	18.0															2.26	5490	90000	3.6	2840	2310	260	240									5		2.736						
10	3.17			7.5	8.0																2.26		105000	3.5			260	250											3.006						
11	3.13			7.4	7.4																2.23		105000	4.2			280	260							0.26	0.07	6.2	2.964							
12	3.13			7.5	7.8	15.0								256		3	169				2.07	5770	115000	3.4	2690	2150	260	250							0.20	7	0.06	2.765							
13	3.80			7.6	7.9	14.0															2.32	7100	120000	3.9	2660	2260	260	250									2		3.43						
14	3.11			7.6	7.8																2.22	6500	90000	4.2	2500	2080	260	240											2.863						
15	2.90			7.6	7.9									162		3	128				2.21	6210	92500	3.6	2560	2140	260	240							0.17		0.06	2.646							
16	2.66			7.6	7.8																2.35		90000	3.8	2610	2190	260	240									1		2.471						
17	2.72			7.6	7.8																		90000	4.5			260	240											2.569						
18	2.76			7.6	7.9									121		3	89				2.30		90000	3.8			260	240							0.10	0.07	10.7	2.655							
19	2.62			7.6	8.0	18.0								82		3	90				2.02	4800	90000	3.4	2660	2150	260	240							0.13	1	0.07	2.356							
20	2.53			7.2	8.1	16.0															2.38	4420	95000	3.8	2680	2230	250	240								4		2.251							
21	2.46			7.4	7.9																2.34	4700	100000	4.1	2340	1910	250	240											2.234						
22	2.40			7.5	7.8									136		3	138				2.27	4170	112500	4.4	2360	1930	250	240							0.24		0.09	2.18							
23	2.36			7.4	7.9	18.0															2.37	4530	100000	3.4	2590	2210	270	250									23		2.129						
24	2.67			7.2	7.8																2.39		82500	4.1			270	250											2.396						
25	3.37			7.4	7.9									288		3	182				2.34		90000	3.9			270	260							0.11		0.06	9.87	3.133						
26	2.91			7.3	7.9	16.0								160		3	122				2.30	6150	90000	4.0	2740	2220	300	280							0.13	15	0.07	2.592							
27	4.44			7.6	8.0	16.0															2.31	6440	105000	4.3	2660	2290	290	270								8		4.791							
28	13.18			7.4	7.8																5.24	3720	107500	3.8	1060	8970	120	100											11.701						
29	9.71			7.3	7.8																3.37	5010	85000	3.4	1470	1400	100	150											8.389						
30	6.21			7.4	7.7																5.04	5460	89500	3.6	2160	1750	160	140											5.368						
31	4.86			7.4	8.0																4.34		90000	3.2			350	280											4.624						
Tot.	####																				89.3																		110.459						
Avg.	3.90			7.4	7.9	16.0								8.4		3	122				2.98	5750	96400	3.77	2584	2511	254	237									3	0.08	8.1	3.563193548					

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
 37170  
 FLOW

23295  
 CBOD

24632  
 TSS

Joseph Shaun Smith  
 OPERATOR

####  
 CERT. NO.

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

502-239-7695  
 PLANT TELEPHONE