



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)

February 8, 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-January 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 January 2013.

Also attached are overflow reports.

There were no exceedences 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 cursive script that reads "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 01.13.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>			
<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 01/01/13 to 01/31/13</b>	<b>DMR Due Date:</b>	<b>02/28/13</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**  
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Greg	<b>Title:</b>	Executive Dir.
<b>Last Name:</b>	Heitzman	<b>Telephone:</b>	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
00300	Oxygen, dissolved (DO)	1 - Effluent Gross	0	--	Sample	=	9.5				=	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	=	6.3				=	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	=	93	=	139	26 - lb/d	=	3	=	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	19 - mg/L			
					Value NODI													
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	4043	=	4313	26 - lb/d	=	129	=	186	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	=	11	=	15	26 - lb/d	=	0.3	=	0.4	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	=	378	=	420	26 - lb/d	=	13	=	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	19 - mg/L			
					Value NODI													
00665	Phosphorus, total (as P)	1 - Effluent Gross	2	--	Sample	=	4	=	6	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	=	4.479	=	11.75	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						=	4	=	6	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	=	68	=	98	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	=	2646	=	2820	26 - lb/d	=	86	=	122	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						=	98			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
201301cedarcreek_coverletter.pdf	pdf	51539

**Report Last Saved By**

**CEDAR CREEK WQTC MSD**

User: wrightd | Date/Time: 2013-02-27 15:26 (Time Zone: -05:00)  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org

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

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	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)				
																		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	5.04			6.9	7.2				9.6			115		5	58	2	3.82		60000	3.9			300	250									0.22	6	0.242		
2	4.28			6.8	7.0	18.0			10.0			102		4	62	2	2.65	8350	60000	4.2	2570	2150	300	260									0.34	5	0.107		
3	3.89			6.2	6.3	5.0			9.7			130		2	89	2	2.07	8030	60000	2.6	2400	1990	300	250									0.22	2	0.1		
4	3.62			6.4	6.4	8.0			10.0							2.02	6270	60000	2.6	2720	2220	290	250														
5	3.62			6.5	6.6				9.8							2.04		60000	3.8			300	250														
6	3.37			6.7	7.0				9.5							1.92		60000	1.8			300	270														
7	2.95			6.8	7.1				9.7							1.83	6070	60000	3.6	2650	2240	300	260														
8	2.85			6.4	6.6				10.0			182		3	124	2	2.05	4670	60000	3.7	2540	2150	310	250									0.28	2	0.135		
9	2.70			6.8	6.8	8.0			10.0			144		2	105	2	2.06	6180	60000	4.8	2500	1970	310	250									0.39	4	0.151		
10	2.78			6.6	6.9	11.0			9.9			232		3	136	2	1.99	5940	60000	4.4	2520	1940	300	250									0.34	6	0.132		
11	4.67			7.0	6.6	10.0			9.9							2.06	5430	60000	4.0	2560	2210	290	240														
12	4.53			6.8	6.4				9.6							2.03		60000	3.9			290	240														
13	11.75			6.4	6.6				9.5							1.95		60000				200	190														
14	10.97			6.6	6.5				11.0							4.22	4670	60000	4.6	2240	1720	180	150														
15	6.71			6.6	6.7				11.0			47		3	47	2	5.86	6140	60000	4.8	1840	1570	200	190									0.34	2	0.127		
16	5.96			6.6	6.9	3.0			10.0			152		2	66	2	5.63	8330	60000	4.6	2860	2300	350	280									0.34	2	0.1		
17	4.94			6.8	6.9	10.0			10.0			60		2	55	2	4.45	6200	60000	3.8	2540	2120	300	260									0.22	2	0.1		
18	4.37			6.7	6.7	4.0			10.0							3.20	7150	60000	4.1	2450	1870	300	270														
19	4.41			6.8	6.8				11.0							3.59		60000	4.7			260	260														
20	3.79			6.7	6.8				10.0							3.57		60000	4.0			290	270														
21	4.02			6.8	6.8				10.0							3.44		60000	4.6			280	260														
22	3.58			6.6	6.9				11.0			168		2	103	2	2.19	7690	60000	4.8	2870	2390	400	300									0.39	2	0.137		
23	3.06			7.0	7.0	8.0			10.0			110		2	81	2	1.82	5720	60000	4.4	2530	2150	370	270									0.34	20	0.1		
24	2.86			6.7	6.7	10.0			10.0			101		2	102	2	1.96	8090	60000	4.8	2480	2020	340	280									0.56	5	0.1		
25	2.88			6.8	6.7	9.0			9.9							1.76	7620	60000	2.4	2570	2160	310	260														
26	2.92			6.6	6.6				10.0							1.99		60000	2.8			300	250														
27	3.06			6.7	6.7				10.0							2.01		60000	2.8			310	260														
28	3.11			6.7	6.9				9.9							1.99	6310	60000	2.5	2640	2050	300	240														
29	3.25			6.8	6.9				9.7							2.01	6040	63000	2.8	2580	2060	300	250														
30	6.93			6.4	7.2				9.5							2.00	9240	60000	2.7	1950	1520	250	200														
31	5.98			6.8	7.0				9.8							2.86	7280	60000	2.9	2420	1920	290	200														
Tot.	138.85															83.04																					
Avg.	4.48			6.7	6.8	8.7			10.0			129		3	86	2	2.679	6734	60097	3.713	2497	2034	294.2	247.1									0.33	4	0.128		

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

42658

18824

22873

Joseph Shaun Smith

20987

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-239-7695

PLANT TELEPHONE



Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0098540	<b>Facility ID</b> MSD0289	<b>Water Quality Treatment Center</b> CEDAR CREEK	<b>Receiving Stream of Treatment Center</b> CEDAR CREEK	<b>Region</b> CENT
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 63094	<b>Facility Address</b> 9517 PLUMWOOD RD	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CEDAR CREEK	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1623403	01/13/13 09:05 PM	WITTEN	TROWEL JR	DOCUMENTED	04/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/13/13 09:05 PM	MAIN

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED AFFECTED AREA
Control Zone:	CAUTION TAPE AND TEMP SIGNS
Impact:	SEWAGE AND DEBRIS
Repair:	AREA INCLUDED IN THE IOAP

**Notifications:**

01/14/13 03:16 PM	DISNOT	Manual email notification of unauthorized discharge sent to sayre.dennis@epamail.epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
02/01/13 12:49 PM	DISPUB	advised customer using signs and door cards



Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0098540 (Cont'd)	<b>Facility ID</b> MSD0289	<b>Water Quality Treatment Center</b> CEDAR CREEK	<b>Receiving Stream of Treatment Center</b> CEDAR CREEK	<b>Region</b> CENT
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 63095	<b>Facility Address</b> 9300 HAYES AVE	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CEDAR CREEK	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1623395	01/13/13 09:00 PM	WITTEN	TROWEL JR	DOCUMENTED	04/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/13/13 10:00 PM	MAIN

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED AFFECTED AREA
Repair:	LOCATION INCLUDED IN IOAP

**Notifications:**

01/14/13 03:21 PM	DISNOT	Manual email notification of unauthorized discharge sent to sayre.dennis@epamail.epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
01/16/13 04:46 PM	DISPUB	msd placed door cards in affected area