MSD
Metropolitan Sewer District

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

May 10, 2013

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-April 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 April 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,

Duane V. Wright

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 04.13.doc

Enclosures

cc: T. Singleton
R. Shaw

DMR Copy of Record

Permit					
Permit #:	**KY0098540**	**Permittee:**	CEDAR CREEK WQTC MSD	**Facility:**	CEDAR CREEK WQTC MSD
Major:	Yes	**Permittee Address:**	8405 CEDAR CREEK RD LOUISVILLE, KY 40211	**Facility Location:**	8405 CEDAR CREEK RD LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	**Discharge:**	**001-2** NEW EXPANSION		
Report Dates & Status					
Monitoring Period:	**From 04/01/13 to 04/30/13**	**DMR Due Date:**	**05/28/13**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	Greg	**Title:**	Executive Director	**Telephone:**	502-540-6000
Last Name:	Heitzman				
No Data Indicator (NODI)					
Form NODI:	--				

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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		01/01 - Daily	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L	0	03/07 - Three Per Week	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6			=	7	12 - SU		01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	03/07 - Three Per Week	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	93	=	174	26 - lb/d			=	3	=	6	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	1876 MO AVG	<=	2815 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	4056	=	4996	26 - lb/d			=	148	=	176	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	2	--	Sample	=	112	=	196	26 - lb/d			=	5	=	10	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total (as N)	G - Raw Sewage Influent	0	--	Sample	=	407	=	438	26 - lb/d			=	16	=	19	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00665	Phosphorus, total (as P)	1 - Effluent Gross	2	--	Sample	=	3	=	3	26 - lb/d			=	0.1	=	0.1	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	125 MO AVG	<=	188 MX WK AV	26 - lb/d			<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.684	=	6.587	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	3	=	3	13 - #/100mL		03/07 - Three Per Week	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	54	=	66	26 - lb/d			=	2	=	2	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	625 MO AVG	<=	938 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	1965	=	2462	26 - lb/d			=	76	=	106	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	97					23 - %		01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN					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.						>=	85 MO MIN					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
CC042013_cover.pdf	pdf	17207

Report Last Saved By

CEDAR CREEK WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2013-05-22 14:07 (Time Zone: -04:00)
Name:	kevin ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: April 2013

KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

		RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN					SLUDGE HANDLING						FINAL		
																		RETURN		WASTED				SETTLED SLUDGE VOLUME		RAW			HAULED					
DATE	TOTAL FLOW (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	GAL/DAY X 1000	MLSS x1000	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)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus
1	2.89				6.8					10.0		362		3	168		2	1.95	6010		2.6	2670	2270	490	350							5.90	2	0.1
2	2.67				6.7	16.0				9.9		86		2	75		2	1.86	6610	70000	2.4	2670	2160	460	350							3.70	2	0.1
3	2.63				6.9	20.0				10.0		79		2	76		2	1.89	5890	60000	2.5	2550	2140	500	360							3.70	5	0.122
4	2.63				6.8	19.0				10.0								1.95	5290	60000	1.9	2810	2370	425	380									
5	2.51				6.6					9.7								1.96	5630	60000	2.1	2460	2050	450	360									
6	2.58				6.7					9.9								1.93		60000	2.2			440	360									
7	2.70				6.7					9.6								1.88		60000	2.4			570	380									
8	2.52				6.8					10.0		124		2	89		2	1.84	5940	60000	2.3	2380	1960	470	340							9.10	2	0.111
9	2.42				7.0					8.9		94		2	66		2	1.85	5760	60000	2.1	2690	2270	430	300							10.30	5	0.139
10	2.35				6.7	15.0				9.3		96		3	72		2	1.71	5540	60000	2.1	2760	2390	550	400							9.60	2	0.139
11	3.36				7.0	13.0				8.5								1.73	6280	60000	2.0	2870	2500	500	370									
12	4.95				7.1	15.0				9.1								1.71	6190	66000	3.1	2810	2450	510	380									
13	3.91				6.8					9.3								2.94		72600	2.6			420	320									
14	3.61				7.0					9.2								2.72		80000	2.1			300	250									
15	3.48				7.1					9.5		100		2	51		2	1.87	6220	80000	2.5	2670	2130	450	350							5.30	2	0.1
16	3.25				6.4					8.4		224		3	79		2	1.70	6560	80000	1.5	2460	2060	500	350							3.60	2	0.1
17	4.75				6.4	20.0				8.5		152		4	67		2	1.85	6850	80000	2.4	2310	2060	350	290							1.40	2	0.1
18	3.81				6.6	18.0				8.8								1.77	6450	70000	2.8	2310	1940	360	300									
19	6.59				6.8	18.0				9.2								1.88	5820	60000	3.7	2260	1920	310	250									
20	5.20				7.0					8.0								2.52		60000	2.4			350	250									
21	4.21				7.1					9.1								3.13		60000	2.9			300	250									
22	3.54				6.8					9.4		218		12	85		2	2.85	5420	70000	2.5	2370	1980	450	320							2.50	2	0.1
23	3.30				6.9	14.0				9.1		110		3	56		2	3.03	4420	70000	2.8	2680	2210	390	300							2.10	10	0.1
24	5.03				6.6	10.0				9.6		130		2	30		2	3.12	4000	70000	3.2	2430	2030	400	300							0.42	2	0.1
25	4.62				6.2	12.0				9.8								3.03	5180	65000	3.0	2380	2050	390	300									
26	3.72				6.3					9.7								2.99	5380	65000	2.9	2460	2140	380	300									
27	3.72				6.2					10.0								2.99		65000	2.9			380	300									
28	5.33				6.6					9.6								2.92		65000	2.6			380	300									
29	4.46				7.0					9.7								2.86	5950	65000	2.5	2370	1890	400	300									
30	3.76				6.8					9.5								2.98	3280	65000	2.6	2310	2010	400	300									
31																																	
Tot.	110.53																	69.41															
Avg.	3.68				6.7	15.8				9.4		148		3	76		2	2.314	5667	66159	2.52	2531	2135	423.5	322							4.80	3	0.109

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

35087	13766	21642	Joseph Smith 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