



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

August 5, 2014

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

**RE: Jeffersontown WQTC, KPDES No: KY0025194
Discharge Monitoring Report July 2014**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WQTC KPDES No.: KY0025194 for the month of July 2014

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 cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Jeffersontown 07.14doc

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

Permit			
Permit #:	KY0025194	Permittee:	JEFFERSONTOWN WQTC MSD
Major:	Yes	Permittee Address:	10725 OLD TAYLORSVILLE RD JEFFERSONTOWN, KY 40299
Permitted Feature:	001 External Outfall	Discharge:	001-2 FLOW BOD TSS DO PH
Facility:		Facility Location:	JEFFERSONTOWN WQTC MSD 10725 OLD TAYLORSVILLE RD JEFFERSONTOWN, KY 40299

Report Dates & Status			
Monitoring Period:	From 07/01/14 to 07/31/14	DMR Due Date:	08/28/14
Status:	NetDMR Validated		

Considerations for Form Completion
USE MO AVG FOR BOD/TSS REMV;REPT IN MINIMUM COLUMN.

Principal Executive Officer			
First Name:	Greg	Title:	Exec. Dir.
Last Name:	Heitzman	Telephone:	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	Units
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	8				=	8				19 - mg/L	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	7 INST MIN								19 - mg/L	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.6				=	7.8			12 - SU	01/01 - Daily	GR - GRAB		
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM			12 - SU	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	72	=	98	26 - lb/d	=	4	=	5	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.	<=	1000 MO AVG	<=	1501 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	4963	=	8392	26 - lb/d	=	273	=	441	19 - mg/L	01/01 - Daily	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	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	13	=	18	26 - lb/d	=	0.7	=	1	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.	<=	133 MO AVG	<=	200 MX WK AV	26 - lb/d	<=	4 MO AVG	<=	6 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	352	=	369	26 - lb/d	=	20	=	21	19 - mg/L	01/01 - Daily	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	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample	=	9	=	10	26 - lb/d	=	0.5	=	0.5	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.	<=	33 MO AVG	<=	50 MX WK AV	26 - lb/d	<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.248	=	2.482	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								99/99 - Continuous	CN - CONTIN
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	7	=	32	13 - #/100mL	01/01 - Daily	GR - GRAB		
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	40	=	43	26 - lb/d	=	2	=	2	19 - mg/L	01/01 - Daily	CP - COMPOS		
					Permit Req.	<=	667 MO AVG	<=	1001 MX WK AV	26 - lb/d	<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	4151	=	5699	26 - lb/d	=	228	=	305	19 - mg/L	01/01 - Daily	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	03/07 - Three Per Week	CP - COMPOS		
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.						>=	85 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD		
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.						>=	85 MO MIN			23 - %	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
JT072014_cover.pdf	pdf	17271
JT072014_MOR.pdf	pdf	69565

Report Last Saved By

JEFFERSONTOWN WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2014-08-25 09:41 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP

COUNTY JEFFERSON

MONTH OF: July 2014

KPDES PERMIT NUMBER KY0025194

KY0025194

PLANT CAPACITY 4.0 MGD

RECEIVING STREAM CHENOWETH RUN

CHENOWETH RUN

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	MLVSS X 1000	RETURN	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
1	2.24			6.8	6.9	15.0					8.7	264	9	270	2	1.21	3240	36	7.1	1870	1360	150	150									0.54	1.30	52	
2	2.52	3	3	6.5	6.9	17.0					8.8	58	4	66	2	1.2	4485	36	6.7	2380	1880	150	150									0.40	1.10	6	
3	2.35			6.8	7.7	30.0					9.1	108	3	170	2	1.21	3590	34	7	2090	1570	150	150									0.50	0.67	12	
4	1.96			6.8	7.6	10.0					9.4	54	3	114	2	1.21	3400	32	6.8	2070	1700	160	160									0.54	0.28	2	
5	1.83			7.0	7.8	10.0					8.9	94	3	114	2	1.2	2845	29	7.4	2090	1730	150	150									0.57	0.46	15	
6	1.87			7.1	7.6	10.0					9.0	150	6	150	4	1.17	3145	29	7.5	2040	1530	150	150									0.67	2.10	2	
7	1.99			6.4	6.6	20.0					8.3	238	2	319	2	1.19	3282	25	7.1	2160	1710	150	150									0.46	1.30	119	
8	1.98			6.6	7.0	14.0					8.5	292	2	290	2	1.19	3100	33	6.7	2160	1670	150	150									0.48	0.88	39	
9	1.92	3	3	6.8	7.3	18.0					8.4	300	3	270	2	1.2	4050	36	6.8	2110	1600	150	150									0.12	1.60	155	
10	1.90			6.7	6.9	24.0					8.6	292	3	282	2	1.19	3345	39	6.9	2250	1670	160	160									0.61	1.60	39	
11	1.86			6.7	6.9	20.0					8.4	264	5	223	2	1.2	3540	41	6.3	2160	1590	150	150									0.63	1.30	40	
12	1.77			6.8	6.9	21.0					8.6	192	3	127	5	1.21	3350	41	6.6	2040	1680	160	160									0.47	0.48	42	
13	1.83			6.9	7.4	16.0					8.7	246	6	125	2	1.2	3065	42	6	2320	1750	160	160									0.57	0.91	5	
14	4.11			6.7	6.7	18.0					8.6	76	2	125	2	1.2	5300	41	6.8	1930	1320	150	150									0.36	0.39	19	
15	2.58			7.0	7.6	5.0					8.8	213	2	235	2	1.21	3830	46	7.4	2340	1810	160	160									0.29	0.34	4	
16	2.27	3	3	6.8	7.6	16.0					9.1	315	4	209	2	1.21	4115	39	6.7	2090	1480	170	170									0.40	0.11	7	
17	2.17			6.8	6.9	19.0					8.9	350	3	274	2	1.21	3815	39	6.5	2360	1850	190	190									0.41	0.67	2	
18	2.19			6.8	6.9	22.0					8.6	130	2	224	2	1.23	3125	38	6.6	2180	1640	180	180									0.37	0.23	2	
19	2.10			7.1	7.5	15.0					8.9	230	4	131	2	1.22	4095	40	6.7	2480	1860	200	200									0.40	0.41	2	
20	2.01			7.1	6.9	10.0					8.6	210	2	147	2	1.22	3390	40	6.8	2160	1860	200	200									0.38	0.45	2	
21	2.02			6.8	6.8	14.0					8.4	276	4	253	2	1.2	2810	46	6.4	2220	1750	180	180									0.45	0.32	2	
22	1.99			6.8	7.0	16.0					8.3	432	6	350	2	1.18	3880	45	6.6	2360	1870	180	180									0.53	0.35	2	
23	2.03	3	3	6.7	6.8	33.0					8.5	544	4	519	2	1.19	3150	46	6.3	2380	1880	180	180									0.43	0.42	2	
24	1.99			6.7	7.3	38.0					9.0	520	2	399	2	1.18	3820	45	6	2280	1810	170	170									0.45	0.90	6	
25	1.90			6.8	7.1	41.0					8.9	488	4	297	2	1.15	4225	46	6.1	2220	1710	160	160									0.47	0.40	2	
26	1.95			6.8	7.6	40.0					9.0	432	6	195	2	1.14	3655	45	6.2	2240	1760	150	150									0.51	0.29	2	
27	4.64			6.8	7.2	31.0					9.3	194	6	124	2	1.18	5350	38	5.6	2150	1770	120	120									0.55	0.70	2	
28	2.87			6.7	6.9	16.0					9.7	478	4	250	2	1.27	4675	38	5.3	1860	1430	100	100									0.47	0.89	2	
29	2.42			6.5	7.4	10.0					10.0	106	5	199	2	1.26	3625	38	5.4	2110	1600	100	100									0.47	0.50	3	
30	2.26	3	3	6.8	7.1	8.0					9.4	386	4	334	2	1.25	3515	46	5.8	1950	1600	100	100									0.47	0.68	4	
31	2.17			7.2	7.5	22.0					9.0	542	3	291	2	1.3	3580	50	6.2	2050	1540	100	100									0.49	0.62	6	
Tot.	69.70	15	15													37.38																			
Avg.	2.25	3	3	6.8	7.2	19.3					8.9	273	4	228	2	1.206	3690	39.32	6.526	2165	1677	154.2	154.2									0.47	0.73	7	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

21413

25177

24408

Mike Stephenson

9616

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

(502)267-9257

PLANT TELEPHONE