



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

September 10, 2015

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 August 2015**

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 August 2015.

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,

A handwritten signature in black ink, appearing to read "Kevin Thompson".

Kevin Thompson
Process Supervisor Central Region

KLT/Jeffersontown 08.15doc

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

Report Dates & Status

Monitoring Period:	From 08/01/15 to 08/31/15	DMR Due Date:	09/28/15	Status:	NetDMR Validated
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Considerations for Form Completion

USE MO AVG FOR BOD/TSS REMV;REPT IN MINIMUM COLUMN.

Principal Executive Officer

First Name:	Greg	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Heitzman				

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									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	=	6.8				=	7.7				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	=	139	=	233	26 - lb/d	=	7	=	11	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	=	5870	=	6224	26 - lb/d	=	302	=	334	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	=	26	=	47	26 - lb/d	=	1	=	2	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	=	320	=	330	26 - lb/d	=	16	=	18	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	=	8	=	12	26 - lb/d	=	0.4	=	0.6	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	=	2.401	=	2.657	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						=	11	=	15	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 [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	79	=	119	26 - lb/d	=	4	=	5	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 [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	4560	=	5125	26 - lb/d	=	232	=	251	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						=	98			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						=	98			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
201508_JTown_coverletter.pdf	pdf	406844
201508_JTown_MOR.pdf	pdf	1103643

Report Last Saved By

JEFFERSONTOWN WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2015-09-22 08:38 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP

COUNTY JEFFERSON

MONTH OF: August 2015

KPDES PERMIT NUMBER KY0025194

PLANT CAPACITY 4.0 MGD

RECEIVING STREAM CHENOWETH RUN

DATE	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				
	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 X 1000	MLVSS X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)		
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	2.03	3	3		7.2	15.0			8.0		64		6	126		2	1.499	4.215	36	5.8	2.2	1.61	180	160						18.6	0.26	0.55	6	
2	2.02				7.2	10.0			8.3		390		5	281		2	1.482	4.365	36	5.6	2.13	1.7	180	170						0	0.25	0.65	6	
3	2.07				7.3	28.0			8.1		425		4	258		2	0.145	3.995	38	6.7	2.31	1.67	150	150						50.4	0.28	0.79	5	
4	2.31				7.3	30.0			7.6		428		4	407		3	1.407	3.38	38	7.2	2.44	1.81	160	150						12.3	0.32	1.40	18	
5	2.73				7.2	31.0			7.8		310		5	286		8	1.392	4.19	33	6.2	1.95	1.32	160	160						18.9	0.43	0.83	89	
6	4.17				7.4	29.0			8.2		216		6	152		2	1.394	5.515	33	6.4	2.33	1.8	170	160		5.38	0.32		0	0.29	0.68	14		
7	3.26	3	3		7.3	22.0			8.3		208		3	180		2	1.392	4.86	32	7.1	2.49	1.91	170	170						44.1	0.28	0.72	42	
8	2.55				7.0	20.0			7.8		246		3	193		2	1.378	3.69	30	6.8	2.27	1.91	160	150						0	0.28	0.59	23	
9	2.38				7.4	16.0			7.8		248		8	212		6	1.363	4.2	32	7.4	2.28	1.79	160	150						0	0.44	0.49	6	
10	2.50				7.5	24.0			8.0		154		6	156		11	1.384	4.31	32	5.3	2.25	1.68	150	140						37.8	0.64	0.93	22	
11	2.42				7.3	13.0			8.0		284		13	270		5	1.387	4.815	29	5.7	2.24	1.54	150	140						0	0.86	1.50	80	
12	2.29				7.5	23.0			8.1		244		9	241		4	1.396	4.44	32	6.1	2.44	1.78	150	150		3.03	1.25		6.3	0.95	2.80	115		
13	2.23				7.4	38.0			8.1		278		6	218		3	1.373	5.75	35	7.2	2.24	1.57	150	150						6.3	0.58	3.00	2	
14	2.13	3	3		7.4	23.0			8.1		172		7	169		2	1.359	4.795	38	6.3	2.33	1.76	150	140						12.6	0.39	1.70	3	
15	2.04				7.7	48.0			8.1		112		14	73		7	1.378	3.915	38	6.3	2.58	1.95	150	140						73.8	0.63	1.60	2	
16	2.02				7.2	5.0			7.9		334		12	221		4	1.373	3.905	38	6.1	2.4	1.79	150	130						0	0.52	1.30	6	
17	2.12				7.1	10.0			8.2		448		17	261		4	1.385	3.55	0	5.9	2.14	1.47	160	130						37.8	0.64	3.80	8	
18	2.10				6.9	15.0			8.0		100		12	166		4	1.374	5.425	20	6.2	2.14	1.5	150	140						6.3	0.44	3.80	10	
19	2.61				7.0	20.0			7.9		158		9	146		3	1.37	5.17	20	5.8	2.2	1.57	150	150						5.3	0.41	2.90	28	
20	3.95				6.8	10.0			8.0		172		12	205		12	1.379	6.345	21	6	2	1.47	150	150						25.2	0.42	1.60	42	
21	2.63	3	3		7.0	8.0			8.2		326		4	133		2	1.378	5.45	22	6.3	2.34	1.76	180	170						12	0.29	1.30	3	
22	2.32				7.5	35.0			8.1		314		3	59		2	1.379	5.41	23	7.6	2.31	1.67	180	180						0	0.26	0.44	5	
23	2.40				7.2	23.0			8.2		400		7	318		3	1.398	4.91	24	6.8	2.5	1.82	190	180						0	0.28	0.58	14	
24	2.30				7.4	20.0			8.0		112		4	181		2	1.392	5.535	24	6.7	2.26	1.7	200	190						5.7	0.30	1.20	15	
25	2.18				7.1	18.0			8.3		602		8	352		2	1.384	4.265	24	6.4	2.42	1.91	200	190						44.1	0.34	0.60	7	
26	2.17				7.4	15.0			8.1		366		3	331		2	1.385	5.835	23	6.5	2.28	1.67	200	200						24.6	0.19	0.55	10	
27	2.15				6.8	30.0			7.9		342		4	338		2	1.378	3.98	23	6.8	2.34	1.73	200	190						18.9	0.29	1.40	18	
28	2.11	3	3		7.0	21.0			7.7		204		4	178		2	1.366	5.28	32	6.7	2.13	1.59	200	200		1.56	2.37		0	0.22	0.83	72		
29	1.98				7.1	32.0			7.8		418		3	272		2	1.372	3.72	32	6.4	2.28	1.76	200	200						0	0.19	0.59	2	
30	2.10				6.8	30.0			7.6		655		8	254		2	1.362	4.045	38	6.6	2.14	1.6	210	200						0	0.29	0.60	7	
31	2.14				7.2	25.0			7.9		620		7	556		8	1.372	4.59	33	6.2	2.42	1.81	200	200						50.4	0.34	0.81	4	
Tot.	74.45	15	15														41.78													511.4				
Avg.	2.40	3	3		7.2	22.2			8.0		302		7	232		4	1.348	4.64	29.32	6.423	2.283	1.697	171.3	163.9		3.323	1.313		16.5	0.40	1.31	11		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
22871 FLOW
27337 CBOD
28766 TSS

Scott R Reed
OPERATOR

25712
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-267-9257

PLANT TELEPHONE