



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

January 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 January 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 January 2015.

There were no exceedances to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,


Kevin Thompson
Process Supervisor Central Region

KLT/Jeffersontown 01.15doc

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

Permit

Permit #:
Major:

KY0025194
Yes

Permittee:
Permittee Address:

JEFFERSONTOWN WQTC MSD
10725 OLD TAYLORSVILLE RD
JEFFERSONTOWN, KY 40299

Facility:
Facility Location:

JEFFERSONTOWN WQTC MSD
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 01/01/15 to 01/31/15

DMR Due Date:

02/28/15

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Executive Director

Telephone:

502-540-6000

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						=	9					19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.2			=	8.5	12 - SU	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	153	=	190	26 - lb/d			=	7	=	9	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	1000 MO AVG	<=	1501 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	=	4453	=	5321	26 - lb/d			=	204	=	242	19 - mg/L	0	01/01 - Daily 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			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	8	=	12	26 - lb/d			=	0.4	=	0.5	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	334 MO AVG	<=	500 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	=	408	=	422	26 - lb/d			=	19	=	20	19 - mg/L	0	01/01 - Daily 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			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=	9	=	11	26 - lb/d			=	0.4	=	0.51	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	67 MO AVG	<=	100 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	=	2.623	=	2.92	03 - MGD								0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	2	=	3	13 - #/100mL	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB
					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	=	70	=	78	26 - lb/d			=	3	=	4	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	667 MO AVG	<=	1001 MX WK AV	26 - lb/d			<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L			
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	4155	=	4714	26 - lb/d			=	191	=	211	19 - mg/L	0	01/01 - Daily 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			
					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
					Permit Req.						>=	85 MO AV MN					23 - %			
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	97					23 - %	0	01/30 - Monthly 01/30 - Monthly	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
012015_JTown_COVERLETTER.pdf	pdf	16701
012015_JTown_MOR.pdf	pdf	43625
Report Last Saved By		
JEFFERSONTOWN WQTC MSD		
User:	kevin.thompson@louisvillemsd.org	Date/Time: 2015-02-20 08:46 (Time Zone: -05:00)
Name:	Kevin Thompson	
E-Mail:	kevin.thompson@louisvillemsd.org	

NAME OF TREATMENT PLANT JEFFERSONTOWN WTPCOUNTY JEFFERSONMONTH OF: January 2015KPDES PERMIT NUMBER KY0025194PLANT CAPACITY 4.0 MGDRECEIVING STREAM CHENOWETH RUN

DATE	TOTAL FLOW (MILLION GALLONS)	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							
		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 P	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)
																		GAL/DAY x 1000	MLSS K1000					30 MIN.	60 MIN.	GALLONS K1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS K1000			
1	2.63			7.5	7.8	33.0				10.0		104		3	104		3	1.4	4960	43	8.1	2540	2070	190	180						37800	0.23	0.39	2
2	2.63			6.8	6.5	17.0				9.8		208		4	125		3	1.4	5405	43	8.2	2500	1990	190	180						25200	0.36	0.34	2
3	3.13			7.4	7.6	22.0				9.5		108		6	59		3	1.42	4955	43	7.5	2440	1860	190	180						0	0.32	0.56	2
4	3.45			7.0	7.3	20.0				9.6		200		5	91		3	1.41	5630	39	6.8	2220	1610	180	170						0	0.29	0.62	2
5	3.00			7.5	7.5	20.0				10.0		268		4	215		3	1.4	4275	37	7.1	2410	1880	180	170				1.5		37800	0.29	0.39	2
6	2.87			6.9	7.3	50.0				9.6		284		9	240		3	1.4	4945	45	7.6	2560	2080	180	170						31500	0.41	0.50	2
7	2.73	3	3	6.4	6.7	30.0				11.0		144		8	262		3	1.39	4870	44	7.4	2570	2080	190	180						0	0.32	0.50	2
8	2.66			7.9	8.5	40.0				11.0		104		8	159		3	1.41	5255	43	8.6	2610	2280	200	190						6300	0.32	0.50	2
9	2.54			7.4	7.4	25.0				11.0		262		6	182		3	1.4	5245	43	9.9	2650	2160	200	200						0	0.36	0.67	2
10	2.43			7.1	7.6	16.0				11.0		234		10	185		3	1.41	5715	43	8.3	2580	2150	220	200						50400	0.43	0.28	2
11	2.41			7.0	7.4	17.0				10.0		352		9	140		3	1.4	4360	43	7.5	2620	2090	220	200						6300	0.50	0.78	2
12	3.02			6.9	7.8	20.0				10.0		255		10	256		3	1.4	4975	38	7.9	2680	2150	200	190						6300	0.62	0.07	2
13	2.81			7.4	7.9	11.0				11.0		220		9	264		3	1.41	5590	43	8.3	2660	2180	220	200						12600	0.65	0.18	4
14	2.66	3	3	7.4	7.9	25.0				11.0		270		8	289		3	1.41	4805	50	8	2830	2280	230	200						69300	0.66	0.07	2
15	2.56			6.9	7.3	25.0				10.0		155		9	265		4	1.42	4510	15	7.5	2670	1830	240	200						0	0.51	0.07	2
16	2.43			6.9	6.2	15.0				10.0		208		7	223		3	1.41	4260	37	9.5	3170	2760	210	200						0	0.48	0.07	2
17	2.39			7.1	7.4	14.0				10.0		136		4	144		3	1.42	5090	39	8.2	2930	2410	290	240				0.42		31500	0.40	0.07	16
18	2.51			7.2	7.5	13.0				9.8		92		5	68		3	1.41	4685	43	8.1	2940	2380	320	240						0	0.35	0.22	2
19	2.56			6.9	7.3	8.0				9.4		230		6	278		3	1.4	5230	39	7.3	2740	2250	310	240						44100	0.52	0.39	2
20	2.47			6.8	7.2	10.0				9.7		280		6	258		3	1.4	5850	39	7.5	2800	2200	290	240						0	0.37	0.83	2
21	2.40	3	3	7.0	7.3	12.0				9.8		130		5	169		3	1.32	4770	39	7.7	3000	2260	300	230						6000	0.34	0.71	4
22	2.36			7.4	7.6	14.0				10.0		174		8	220		3	1.4	5580	39	8	2870	2300	380	250				1.2		31500	0.42	0.53	2
23	2.35			7.3	7.9	10.0				9.9		145		12	162		3	1.33	4770	42	7.9	2910	2380	350	250						25200	0.48	0.90	2
24	2.66			7.4	7.6	12.0				10.0		210		8	117		3	1.3	5455	39	8.2	3060	2460	360	250						0	0.32	0.32	2
25	2.63			7.5	7.7	10.0				9.7		102		6	101		3	1.27	5605	36	8	2920	2350	380	250						0	0.36	0.14	2
26	2.76			7.4	7.8	10.0				10.0		125		6	156		3	1.27	5385	36	7.9	2840	2110	320	250						63000	0.38	0.21	2
27	2.57			7.5	7.6	12.0				10.0		200		7	202		3	1.26	5750	39	7.5	2850	2160	340	250						6300	0.35	0.27	2
28	2.46	3	3	7.4	7.5	12.0				10.0		400		10	273		8	1.26	4660	41	7.3	3050	2280	330	250				0.66		0	0.41	0.10	2
29	2.52			7.0	7.1	19.0				11.0		235		8	279		3	1.26	7375	43	9	3100	2360	390	250						0	0.38	0.27	2
30	2.36			7.0	6.9	20.0				11.0		236		6	262		3	1.26	6115	39	9.6	2950	2290	400	250						49500	0.31	0.30	2
31	2.34			6.9	7.2	22.0				11.0		256		5	182		3	1.26	5495	39	9.1	2800	2130	400	250						31500	0.29	0.37	2
Tot.	81.31	12	12															42.31													572100			
Avg.	2.62	3	3	7.2	7.4	18.8				10.2		204		7	191		3	1.365	5212	40.03	8.048	2757	2186	271	216.1				0.945		18454.84	0.40	0.37	2

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

24982

FLOW

24616

CBOD

21261

TSS

Mike Stephenson

OPERATOR

9616

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

(502)267-9257

PLANT TELEPHONE