



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

July 15, 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 June 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 June 2014

Also attached are the 2nd quarter biomonitoring DMR's.

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 06.14doc

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 06/01/14 to 06/30/14

DMR Due Date:

07/28/14

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Exec. Dir.

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 GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7			=	8	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	=	90	=	134	26 - lb/d			=	5	=	7	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS 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	=	6237	=	6942	26 - lb/d			=	318	=	382	19 - mg/L	0	01/01 - Daily 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	1	--	Sample	=	20	=	21	26 - lb/d			=	1	=	1	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS CP - COMPOS
					Permit Req.	<=	133 MO AVG	<=	200 MX WK AV	26 - lb/d			<=	4 MO AVG	<=	6 MX WK AV	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	356	=	365	26 - lb/d			=	18	=	20	19 - mg/L	0	01/01 - Daily 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	1	--	Sample	=	8	=	10	26 - lb/d			=	0.4	=	0.5	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS 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			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.363	=	2.588	03 - MGD								0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN 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								=	6	=	12	13 - #/100mL	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB 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	=	41	=	44	26 - lb/d			=	2	=	2	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS 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	=	4048	=	4810	26 - lb/d			=	206	=	226	19 - mg/L	0	01/01 - Daily 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						=	99					23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD
					Permit Req.						>=	85 MO AV MN					23 - %			
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99					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
JTOWN062014_COVER.pdf	pdf	17832
JTOWN062014_MOR.pdf	pdf	67383
Report Last Saved By		
JEFFERSONTOWN WQTC MSD		
User:	kevin.ries@louisvillemsd.org	Date/Time: 2014-07-24 10:35 (Time Zone: -04:00)
Name:	Kevin Ries	
E-Mail:	kevin.ries@louisvillemsd.org	

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-Y
BIOMONITORING/ONCE PER QUARTER

Report Dates & Status

Monitoring Period:

From 04/01/14 to 06/30/14

DMR Due Date:

07/28/14

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Exec. Dir

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			
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample							=	234		=	234	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample							<	0.001		<	0.001	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample							<	0.003		<	0.003	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample							<	0.05		<	0.05	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample							=	0.02		=	0.02	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample							=	0.025		=	0.025	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.001		<	0.001	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.05		<	0.05	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.006		<	0.006	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.								Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic		01/90 - Quarterly	CP - COMPOS
					Permit Req.										<=	1 DAILY MX	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
JTOWN062014_COVER.pdf	pdf	17832

Report Last Saved By

JEFFERSONTOWN WQTC MSD

User:

kevin.ries@louisvillemsd.org

Date/Time:

2014-07-24 10:37 (Time Zone: -04:00)

Name:

Kevin Ries

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP COUNTY JEFFERSON MONTH OF: June 2014
 KPDES PERMIT NUMBER KY0025194 PLANT CAPACITY 4.0 MGD RECEIVING 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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		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)
																		GA/DA Y x 1000	MLSS x1000					30 MIN.	60 MIN.									
1	2.35			7.2	6.9	30.0				9.1		280		4	142		2	1.28	4285	0.6	7.1	2000	1540	110	100							0.38	0.44	8
2	2.40			6.7	7.1	26.0				9.3		424		5	289		2	1.28	4750	0.6	6.6	2260	1730	120	120							0.56	1.40	10
3	2.43			6.8	7.0	30.0				9.6		388		5	206		3	1.28	4910	46	6.9	2330	1920	120	100							0.46	1.00	2
4	2.42	3	3	6.8	7.1	34.0				9.0		308		5	245		2	1.28	4070	39	6.4	2270	1630	120	110							0.56	1.70	2
5	2.32			6.4	6.8	33.0				9.0		460		6	267		2	1.32	3875	39	6.5	2260	1890	120	120							0.49	1.30	7
6	2.14			6.8	6.8	42.0				9.1		112		6	170		2	1.49	4065	43	6.3	2060	1690	130	120							0.49	1.10	4
7	2.01			6.8	7.1	31.0				9.0		264		20	138		3	1.31	4065	46	6.6	2240	1720	120	120							0.66	0.59	4
8	2.07			7.2	7.6	15.0				8.5		324		5	179		2	1.31	3830	39	7.5	2270	1720	110	100							0.42	0.77	2
9	2.15			6.9	6.9	31.0				9.4		340		6	277		2	1.27	3420	42	6.8	2060	1630	110	100							0.52	0.75	3
10	2.52			6.7	7.1	34.0				9.1		432		4	206		2	1.23	3390	46	6.7	2090	1700	110	100							0.44	1.40	10
11	3.10	3	3	6.8	6.7	26.0				8.9		308		8	181		2	1.23	4520	46	7	2360	1970	120	110							0.44	0.84	4
12	2.66			6.7	7.2	29.0				8.8		276		5	161		2	1.23	5130	48	6.9	2350	1890	120	110							0.43	1.00	6
13	2.32			6.7	7.0	28.0				8.9		128		3	152		2	1.21	3845	48	6.8	2010	1610	120	120							0.44	0.85	2
14	2.13			6.8	6.7	26.0				9.0		91		3	100		2	1.21	3835	42	7.1	2000	1670	120	120							0.37	0.78	8
15	2.03			7.3	7.6					9.0		276		4	143		2	1.21	3230	41	7.4	1960	1550	130	130							0.44	0.41	2
16	2.08			6.7	6.8	30.0				9.8		468		5	287		2	1.35	4360	44	7.1	2030	1730	150	120							0.39	1.20	4
17	2.07			6.8	6.9	28.0				8.9		524		3	288		2	1.2	3735	39	5.7	1930	1570	120	110							0.34	0.75	4
18	2.06	3	3	6.7	6.9	35.0				8.6		468		4	292		2	1.23	3690		7.7	1930	1330	160	130							0.33	1.20	7
19	2.05			6.8	7.0	40.0				9.3		188		2	127		2	1.23	4115		6.9	1990	1690	140	130							0.32	1.30	4
20	2.51			7.5	7.9	20.0				9.0		490		6	200		2	1.21	4585		6.6	2230	1760	150	150							0.40	1.80	2
21	2.44			7.1	7.0	26.0				8.6		258		2	141		2	1.21	4770	40	6.6	2280	1810	150	150							0.32	0.78	12
22	2.43			7.5	8.0	20.0				8.8		200		4	117		2	1.2	4195	39	7.1	2210	1690	200	200							0.39	0.88	2
23	2.43			6.7	7.1	19.0				9.2		460		2	259		2	1.2	5305	45	7	2010	1570	150	150							0.38	1.10	4
24	4.15			6.8	6.9	36.0				9.1		234		4	213		2	1.84	3965	46	6.9	2090	1550	160	150							0.36	0.92	6
25	2.60	3	3	6.7	7.1	28.0				9.0		276		2	218		2	1.94	5645	42	6.5	1990	1430	150	140							0.38	0.91	30
26	2.19			6.7	7.0	23.0				8.9		346		2	267		2	1.18	4235	45	6.7	2100	1540	160	150							0.37	1.00	8
27	2.11			6.6	6.6	32.0				8.8		396		3	318		2	1.2	4055	45	6.5	2150	1540	160	160							0.35	0.97	15
28	2.20			6.7	6.9	27.0				8.8		244		3	189		2	1.21	3765	45	6.6	2050	1680	160	150							0.36	0.90	190
29	2.12			6.7	6.9	26.0				8.7		268		2	176		2	1.2	3595	39	6.4	2040	1550	160	150							0.37	0.95	15
30	2.38			6.8	6.8	18.0				8.9		312		4	226		2	1.2	4005	42	6.7	1960	1670	160	150							0.43	0.98	7
31																																		
Tot.	70.89	12	12															38.74																
Avg.	2.36	3	3	6.8	7.0	28.4				9.0		318		5	206		2	1.291	4175	39.9	6.787	2117	1666	137	129							0.42	1.00	6

RESIDENTIAL	INDUSTRIAL WASTE POPULATION EQUIVALENT				
COMMERCIAL	22504	23857	29852	Mike Stephenson	9616
INDUSTRIAL	FLOW	CBOD	TSS	OPERATOR	CERT. NO.
TOTAL NUMBER OF SEWER CONNECTIONS	(502)267-9257				
SEWER CONNECTIONS	0	X	4	=	0
	SEWERED POPULATION				
	PLANT TELEPHONE				