



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

April 21, 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 March 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 March 2014

Also attached are the 1st 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, reading "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Jeffersontown 03.14doc

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 03/01/14 to 03/31/14

DMR Due Date:

04/28/14

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						=	10					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	=	128	=	154	26 - lb/d			=	5	=	6	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	=	5112	=	6249	26 - lb/d			=	202	=	296	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	2	--	Sample	=	11	=	15	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.	<=	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	=	399	=	435	26 - lb/d			=	16	=	21	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	2	--	Sample	=	8	=	7	26 - lb/d			=	0.3	=	0.3	19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	CP - COMPOS 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	=	3.157	=	3.744	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								=	2	=	3	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	=	54	=	67	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	=	3990	=	4397	26 - lb/d			=	157	=	199	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						=	98					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
JT032014_COVER.pdf	pdf	17474
JT032014_MOR.pdf	pdf	66463
Report Last Saved By		
JEFFERSONTOWN WQTC MSD		
User: wrightd	Date/Time: 2014-04-24 13:01 (Time Zone: -04:00)	
Name: Duane Wright		
E-Mail: duane.wright@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 01/01/14 to 03/31/14

DMR Due Date:

04/28/14

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							=	247		=	247	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							<	0.006		<	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															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample							<	0.08		<	0.08	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							=	0.027		=	0.027	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							=	0.03		=	0.03	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							<	0.08		<	0.08	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		XX/XX - Frequency as Reported	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
JT032014_COVER.pdf	pdf	17474

Report Last Saved By

JEFFERSONTOWN WQTC MSD

User:

wrightd

Date/Time:

2014-04-24 13:02 (Time Zone: -04:00)

Name:

Duane Wright



NAME OF TREATMENT PLANT JEFFERSONTOWN WTP COUNTY JEFFERSON MONTH OF: March 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	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		RAW			HAULED			TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	
																	GAL/DAY x 1000	MLSS x1000					30 MIN.	60 MIN.	GALLONS x-1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x-1000				
1	2.84				7.7	32.0				11.0		185		2	163		2	1.27	5985	47	9.3	2880	2300	230	210							0.14	0.27	2
2	3.88				7.7	16.0				10.0		200		6	109		3	1.28	6020	47	8.8	2780	2310	230	210							0.29	1.50	2
3	3.80				7.3	24.0				10.0		160		6	103		2	1.28	5975	47	8.9	2720	2260	230	210							0.28	0.32	2
4	3.72				7.2	14.0				11.0		110		8	119		2	1.26	6070	36	9.2	2640	1990	210	200							0.30	0.39	4
5	4.02	3	3		7.6	10.0				10.0		305		4	185		2	1.28	6095	36	8.6	2720	2170	200	200							0.19	0.16	5
6	4.06				7.5	20.0				10.0		66		5	104		2	1.28	7435	33	8.1	2330	1710	200	190							0.23	0.38	2
7	3.88				7.5	10.0				11.0		176		3	171		2	1.29	6520	38	7.7	2810	2260	210	200							0.15	0.34	2
8	3.74				7.6	10.0				10.0		66		3	79		2	1.3	7060	28	7.1	2810	2250	210	200							0.17	0.24	2
9	3.31				7.5	12.0				9.9		252		2	173		2	1.27	7255	32	6.1	2730	2370	220	200							0.16	0.39	5
10	3.36				7.3	18.0				10.0		204		5	169		2	1.29	6020	39	7.3	2920	2260	230	220							0.26	0.37	5
11	3.20				7.7	10.0				10.0		285		3	193		2	1.29	5680	39	8.9	2910	2240	230	200							0.25	0.32	2
12	3.31	3	3		7.8	12.0				10.0		210		3	167		2	1.31	5630	36	8.6	2990	2290	230	220							0.24	0.16	2
13	3.01				7.7	16.0				10.0		225		3	224		2	1.29	6575	36	9.1	3070	2430	220	210							0.25	0.24	2
14	2.89				7.2	24.0				10.0		86		4	142		2	1.29	7210	46	8.4	2730	2080	230	220							0.28	0.17	2
15	2.68				7.3	20.0				9.8		116		2	84		2	1.28	6315	42	7.9	2600	2020	220	200							0.26	0.32	2
16	2.76				7.2	26.0				10.0		174		3	119		2	1.29	5860	42	8.1	2760	2130	230	210							0.26	0.21	2
17	3.00				7.5	14.0				10.0		264		2	199		2	1.28	5545	36	7.7	2670	2040	230	210							0.19	0.49	2
18	2.88				7.4	18.0				10.0		248		3	170		2	1.27	5800	43	9.6	2820	2150	230	200							0.26	0.55	2
19	2.78	3	3		7.7	20.0				10.0		180		3	185		2	1.29	5185	36	9.1	2640	2040	200	200							0.28	0.50	2
20	2.69				7.6	23.0				10.0		248		9	190		2	1.28	5150	43	8.8	2700	2070	220	200							0.54	0.55	2
21	2.59				7.4	24.0				10.0		107		5	197		2	1.28	6070	49	8.4	2720	2140	220	200							0.34	0.60	2
22	2.51				7.3	23.0				10.0		304		5	161		2	1.3	5240	42	8.1	2860	2280	210	200							0.32	0.33	2
23	2.46				7.5	26.0				10.0		168		4	160		2	1.29	4950	39	8.2	2840	2240	230	200							0.26	0.33	2
24	2.49				7.6	50.0				10.0		388		4	236		2	1.29	5820	39	8.7		2070	220	200							0.35	0.52	2
25	2.55				8.2	26.0				11.0		284		5	243		2	1.29	6020	39	9.3	2710	2170	200	200							0.30	0.50	2
26	2.46	3	3		7.0	20.0				10.0		284		8	263		2	1.28	4215	43	8.6	2700	2130	230	210							0.40	0.40	2
27	2.51				7.0	22.0				10.0		344		5	206		2	1.26	4330	47	9.2	2690	2030	220	200							0.31	0.50	4
28	2.74				7.2	28.0				10.0		298		11	125		3	1.24	5850	46	8.7	2770	2120	220	200							0.46	0.90	2
29	4.66				7.1	20.0				11.0		90		12	56		2	1.26	5240	40	8.1	2740	2190	220	200							0.47	0.78	2
30	3.86				7.0	10.0				10.0		72		5	60		2	1.24	7485	42	7.7	2730	2240	230	200							0.35	0.45	2
31	3.25				7.8	20.0				11.0		162		5	127		2	1.26	7130	46	9.1	2660	2080	220	200							0.43	0.17	2
Tot.	97.88	12	12															39.66																
Avg.	3.16	3	3		7.5	19.9				10.2		202		5	157		2	1.279	5991	40.45	8.432	2755	2163	220.3	203.9							0.29	0.43	2

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

30069
FLOW

24393
CBOD

25325
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