



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

August 26, 2013

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 2013**

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 2013.

Also attached are a bypass/blending letter, overflow report.

There were no exceedences.

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 07.13doc

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 07/01/13 to 07/31/13	DMR Due Date:	08/28/13
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									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	=	7					=	9		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	=	145	=	293	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	=	14489	=	19187	26 - lb/d		=	528	=	616	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	=	34	=	57	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	=	362	=	405	26 - lb/d		=	14	=	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	=	17	=	20	26 - lb/d		=	0.6	=	1	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	=	3.502	=	4.953	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	3	=	3	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	=	84	=	189	26 - lb/d		=	2	=	4	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	=	5683	=	7104	26 - lb/d		=	212	=	233	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
JT07062013_blend.pdf	pdf	23980
Jul2013_overflowpt.pdf	pdf	73114
072013Jtown_COVER.pdf	pdf	16950
072013Jtown_MOR.pdf	pdf	69667

Report Last Saved By

JEFFERSONTOWN WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2013-08-27 10:49 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP COUNTY JEFFERSON MONTH OF: July 2013
 KPDES PERMIT NUMBER KY0025194 PLANT CAPACITY 4.0 MGD RECEIVING STREAM 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	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	3.44			7.1	8.0	40.0						8.7		890		4	332		2	1.47	5310	36	6.7	2300	1690	200	200									0.21	0.62	2
2	3.16			7.0	8.1	70.0						8.8		940		2	322		2	1.44	6435	36	6.2	2250	1700	210	190									0.29	0.67	2
3	2.84	3	3	6.9	7.8	70.0						8.6		775		4	353		2	1.47	5795	32	6.1	2320	1880	210	200									0.33	0.62	2
4	5.00			7.4	8.1	60.0						8.8		575		5	223		2	1.47	4176	32	6.5	2530	2050	220	200									0.33	0.36	2
5	4.69			7.6	7.1	30.0						8.6		334		3	132		2	1.46	5090	23	7.4	1910	1520	200	180									0.33	0.27	44
6	9.61			7.3	7.4	44.0						8.3		242		17	64		7	1.46	6845	8	5.9	1500	1170	150	130									0.60	1.50	2
7	5.94			7.5	7.6	36.0						8.7		186		2	76		9	1.44	7625	16	6.6	1900	1470	180	170									0.77	2.00	2
8	4.43			7.1	7.8	30.0						8.9		395		2	162		2	1.42	4920	25	6.9	2200	1760	200	190									0.42	0.48	2
9	3.72			7.2	7.9	40.0						8.6		705		4	246		2	1.43	5430	27	6.7	2200	1760	210	200									0.43	0.34	6
10	4.09	3	3	7.3	7.9	70.0						7.7		730		4	216		2	1.43	4975	31	6.1	2440	1920	220	200									0.46	0.62	5
11	3.90			7.3	8.0	50.0						8.8		310		3	152		2	1.44	6240	31	6.4	2400	1960	230	210									0.51	0.67	5
12	3.28			7.1	7.9	50.0						8.8		498		5	200		2	1.43	5225	31	6.3	2280	1810	240	220									0.51	0.67	2
13	2.93			7.3	8.0	56.0						8.7		528		3	223		2	1.43	5130	33	6.1	2290	1790	230	200									0.55	0.95	2
14	2.85			7.5	8.3	52.0						8.4		555		3	205		2	1.43	5190	37	5.8	2410	1810	220	200									0.80	0.90	2
15	3.02			7.4	8.4	60.0						8.6		1020		3	323		2	1.44	4510	43	5.9	2270	1880	200	190									1.05	0.98	2
16	2.73			6.9	8.1	50.0						8.4		940		4	320		2	1.44	5715	48	6.1	2410	1640	200	180									1.19	1.30	2
17	2.67	3	3	6.9	8.2	50.0						8.5		545		4	215		2	1.45	5400	43	5.8	2370	1920	200	200									0.86	1.20	18
18	2.61			7.2	8.2	30.0						8.3		495		6	223		2	1.46	5070	43	5.5	2320	1880	190	180									0.94	0.78	2
19	2.50			7.2	8.0	35.0						8.4		390		4	213		3	1.47	4200	43	5.4	2240	1800	190	180									0.80	0.93	2
20	2.36			7.3	8.0	38.0						8.2		445		4	168		2	1.46	4735	43	5.7	2360	1910	190	180									0.79	0.93	2
21	2.28			7.3	8.4	20.0						8.4		475		4	168		2	1.44	5495	46	5.2	2340	1940	190	180									0.75	1.00	2
22	5.19			7.1	7.9	40.0						8.2		375		6	110		2	1.45	4010	46	5.4	2240	1890	180	170									0.66	7.20	12
23	4.08			7.2	8.1	20.0						8.5		380		5	154		2	1.47	5655	46	6.4	2250	1740	170	150									0.38	0.39	2
24	3.20	3	3	7.1	8.5	30.0						8.4		100		4	101		2	1.48	5235	39	6.1	1950	1590	180	170									0.36	0.62	2
25	2.85			7.4	8.2	3.0						8.6		485		5	262		2	1.46	4770	39	6.3	2160	1700	200	180									0.39	0.50	2
26	2.60			7.3	8.7	40.0						8.7		445		3	270		2	1.45	4395	43	5.8	2210	1750	180	170									0.58	0.38	4
27	2.59			7.2	8.7	40.0						8.6		545		3	199		2	1.45	3240	43	6	1990	1560	170	150									0.60	0.84	2
28	2.43			7.5	8.7	40.0						8.6		480		3	180		2	1.44	3390	29	6.8	2030	1580	170	150									0.61	0.90	5
29	2.41			7.0	8.3	40.0						8.7		445		7	240		3	1.44	4115	39	6.1	1980	1620	150	150									0.86	1.10	2
30	2.47			7.2	7.2	32.0						8.4		505		4	241		2	1.44	4480	39	6.3	2190	1760	150	150									1.04	1.40	2
31	2.68	3	3	7.3	8.1	30.0						8.2		620		2	276		2	1.41	3745	39	5.9	2270	1870	150	140									0.88	1.20	2
Tot.	108.56	15	15																	44.87																		
Avg.	3.50	3	3	7.2	8.1	41.8						8.5		528		4	212		2	1.447	5050	35.77	6.142	2210	1752	192.9	179.4								0.62	1.04	3	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
33352 FLOW
36405 CBOD
73366 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



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

July 7, 2013

Mr. Charlie Roth, District Supervisor
 KY Division of Water
 Louisville Regional Office
 9116 Leesgate Road
 Louisville, KY 40222-5084

Re: Bypass (Blending) Report for the Jeffersontown WQTC – KPDES Permit KY0025194

Dear Mr. Roth:

In accordance with 401 KAR 5:065, MSD is providing this letter as a written report of the bypass (blending) event that occurred at the Jeffersontown Water Quality Treatment Center (WQTC). The bypass started at 05:27 AM on July 06, 2013 and stopped at 08:28 PM on July 06, 2013.

Mitigation activities to minimize the extent and impact of the discharge included maximization of plant peak flow through secondary treatment to minimize the total amount of wastewater that did not receive full secondary treatment prior to blending with secondary effluent before receiving UV disinfection, and then being discharged through the permitted outfall. The cause of the bypass (blending) event was due to significant precipitation in the service area. The bypassed (blended) effluent entered Chenoweth Run at mile point 5.3.

In the table listed below is the total number of gallons of wastewater by calendar day that was bypassed (blended) around the secondary treatment of the Jeffersontown WQTC.

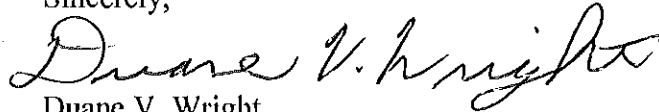
<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
July 06 2013	05:27 AM	08:28 PM	9.605 MG	14.905 MGD	1.318 MG



Mr. Charlie Roth, District Supervisor
KY Division of Water
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Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at duane.wright@louisvillemtd.org.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright". The signature is written in black ink and is positioned above the printed name.

Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seiz, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File



Report Selections: Period: 07/01/2013 00:00 thru 07/31/2013 23:59, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BLEND, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0025194	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0255	10725 OLD TAYLORSVILLE RD		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	1944700		7/6/13 5:27 am	GREEN	OPS BSHIFT CENTRAL	DOCUMENTED	01/14/2007	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHAGE - WATERS	07/06/13 08:28 PM	

Discharge Reporting:

Discharge Amount:	1,318,047 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	PIPE DISCHARGE SUBMERGED- NO CLEANUP
Control Zone:	PIPE DISCHARGE SUBMERGED; PERMANENT SIGNS ARE AT THIS LOCATION
Impact:	NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED
Repair:	TEMPORARY BLENDING HAS BEEN NEGOTIATED AT THIS LOCATION WHEN FLOW THROUGH THE PLANT HAS BEEN OPTIMIZED DURING WET WEATHER.
Public Notification:	PERMANENT SIGNS HAVE BEEN PLACED AT THIS LOCATION.

Notifications:

6/29/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
6/29/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1