



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

November 19, 2012

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 October 2012**

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 October 2012.

Also attached are a bypass/blending letter and an 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 10.12.doc

Enclosures

cc: R. Shaw
T. Singleton



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

NAME JEFFERSONTOWN WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY JEFFERSONTOWN WQTC

KY0025194
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR
(SUBR LV)
F - FINAL JEFFE
FLOW BOD TSS DO PH
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40299
ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	10	01		12	10	31

NOTE: Read instructions before completing this form

PARAMETER	MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****	***	8	*****	*****	(19) MG/L	0	1/1	GR	
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH	SAMPLE MEASUREMENT	*****	*****	***	6.2	*****	8.1	(12) SU	0	1/1	GR	
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE												
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	4736	7001	(26) LBS/DY	*****	204	295	(19) MG/L	0	1/1	CP	
00530 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
RAW SEW/INFLUENT												
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	192	233	(26) LBS/DY	*****	8	11	(19) MG/L	0	1/1	CP	
00530 1 0 0	PERMIT MEASUREMENT	1000 MO AVG	1501 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE												
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	421	433	(26) LBS/DY	*****	18	21	(19) MG/L	0	1/1	CP	
00610 G 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
RAW SEW/INFLUENT												
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	15	16	(26) LBS/DY	*****	0.7	0.7	(19) MG/L	0	1/1	CP	
00610 1 1 0	PERMIT MEASUREMENT	133 MO AVG	200 MX WK AV	(26) LBS/DY	*****	4 MO AVG	6 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE												
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	12	15	(26) LBS/DY	*****	0.5	0.7	(19) MG/L	0	1/1	CP	
00665 1 1 1	PERMIT MEASUREMENT	33 MO AVG	50 MX WK AV	(26) LBS/DY	*****	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR								502 540-6000		12 11 19		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

NAME JEFFERSONTOWN WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY JEFFERSONTOWN WQTC

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
 DISCHARGE MONITORING REPORT (DMR)

KY0025194
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 FLOW BOD TSS DO PH
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40299
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	12	10	01	TO	12	10	31

NOTE: Read instructions before completing this form

PARAMETER	MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.84	3.54	(03) MGD	*****	*****	*****	***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	3	3	(13) 100ML	0	1/1	GR
	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4220	4471	(26) LBS/DY	*****	186	206	(19) MG/L	0	1/1	CP
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	61	72	(26) LBS/DY	*****	3	3	(19) MG/L	0	1/1	CP
	PERMIT MEASUREMENT	667 MO AVG	1001 MX WK AV	(26) LBS/DY	*****	20 MO AVG	30 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	96	*****	*****	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. 1001 AND 33 U.S.C. 1319. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE		
TYPED OR PRINTED							7502 540-6000		12 11 19		
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)					OFFICER OR AUTHORIZED AGENT		AREA NUMBER		YEAR MO DAY		

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

NAME OF TREATMENT PLANT JEFFERSON TOWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: October 2012
 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	CAL/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		HAILED		TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORMS (COX/100ML)	
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS
1	4.36	3	2	7.0	7.2	20.0				8.7		38	12	52	3	643	4310	12	7.3	2160	1920	110	90							37.8	0.51	0.67	5
2	5.29			7.1	7.2	17.0				8.8		157	7	87	2	644	8430	18	7.1	1180	1020	90	90							25.2	0.41	0.28	2
3	3.57			6.4	7.7	7.0				8.8		67	7	110	2	650	4940	9	7.3	2190	1770	90	90							0	0.41	0.50	20
4	3.03			7.1	7.6	30.0				8.9		143	5	157	2	658	4480	9	7	2050	1720	130	120							3.6	0.38	0.56	2
5	2.79			6.7	7.4	30.0				8.8		236	4	209	2	664	4780	8.5	6.9	1910	1450	130	120							18.9	0.34	0.56	2
6	3.00			6.9	7.3	19.0				8.8		228	3	293	2	655	5100	9	7.2	1950	1460	120	110							12.6	0.28	0.45	2
7	2.71			7.0	6.7	15.0				8.7		104	4	132	2	665	3720	9	7.5	1910	1440	120	120							5.5	0.38	0.34	2
8	2.66	3	2	8.2	8.0	4.0				8.5		103	5	164	2	662	3330	9	7.8	2160	1630	180	180							24	0.35	0.67	2
9	2.61			6.7	7.4	35.0				8.3		404	5	259	2	663	7120	10.5	7.2	2350	1760	150	140							12.6	0.24	0.62	20
10	2.58			6.9	6.8	25.0				8.9		72	4	159	2	670	4670	13	7.2	2390	1810	150	150							0	0.38	0.62	2
11	2.52			6.6	7.6	45.0				8.6		76	14	196	3	676	4340	17	7.4	2330	2110	180	160							18.3	0.71	0.62	2
12	2.42			6.7	6.2	45.0				8.6		318	10	343	4	678	6410	18	6.7	2680	2030	300	170							6.3	0.61	0.84	2
13	2.43			7.5	7.9	20.0				8.6		390	7	206	2	686	4270	18	6.8	2540	1910	500	230							30.3	0.42	0.67	2
14	2.46			7.6	7.9	30.0				8.4		80	6	116	2	682	3950	18	6.9	3130	2430	580	250							0	0.49	0.56	2
15	2.48			7.7	8.1	20.0				8.8		85	6	203	2	667	5970	18	6.4	2460	2200	500	200							36.9	0.42	0.78	2
16	2.45			6.9	7.9	30.0				9.3		225	7	279	2	657	5640	16	6.2	2680	2090	580	250							12.6	0.47	0.62	2
17	2.42	3	2	7.1	6.7	34.0				8.8		72	11	156	4	659	4060	18	6.5	2790	2210	690	320							0	0.61	1.30	11
18	3.13			7.1	7.8	60.0				8.6		124	12	171	5	661	6610	18	2	2810	3060	590	300							6	0.49	0.67	10
19	2.68			7.1	7.6	38.0				8.3		386	13	268	4	657	5640	18	6.4	2650	2010	720	450							12.6	0.60	0.50	2
20	2.53			7.3	7.8	20.0				9.1		98	8	114	2	648	4940	16	6.6	3060	2170	700	400							31.2	0.48	0.28	2
21	2.45			7.5	7.4	45.0				8.7		278	18	119	4	651	6680	18	6.1	2650	1960	700	400							0	0.87	0.50	2
22	2.41			7.7	7.6	50.0				8.9		95	8	165	2	652	5200	18	6.1	2630	2050	350	200							18.9	0.63	0.84	2
23	2.39			7.2	7.8	48.0				8.5		78	9	144	2	651	5680	18	5.1	2230	1950	180	150							25.2	0.58	0.39	2
24	2.35	3	2	6.9	7.8	50.0				8.4		365	6	267	2	782	7930	18	5.4	2660	2040	170	130							0	0.466	0.67	2
25	2.35			7.1	7.3	25.0				9.4		395	6	333	4	630	6050	18	6.5	2760	2160	130	130							48.8	0.66	0.62	2
26	3.12			7.4	7.3	17.0				9.0		584	15	232	5	627	5410	17	6.6	2740	2030	130	130							12.6	1.00	1.10	2
27	3.81			6.7	6.6	25.0				8.4		286	9	104	2	633	8310	18	6.5	2570	2000	140	130							0	0.636	0.45	2
28	2.93			7.4	7.7	20.0				8.5		260	7	164	2	617	5270	18	6.6	2600	1970	130	130							0	0.627	0.90	2
29	2.71			7.3	7.1	22.0				9.3		354	6	206	2	614	6360	20	7.8	2840	2190	130	130							44.1	0.573	0.78	2
30	2.71			7.2	7.8	15.0				8.9		122	11	194	2	625	7250	23.8	7.4	2820	2200	130	130							0	0.684	1.10	2
31	2.65	3	2	7.1	6.7	40.0				8.7		88	5	166	2	640	6050	20	7.6	2690	2100	130	120							18.9	0.527	1.00	2
Tot.	88.03	15	10													20367														462.9			
Avg.	2.84	3	2	7.1	7.4	29.1				8.7		204	8	186	3	657	5578	15.77	6.648	2470		288.1	184.5						14.93	0.52	0.66	3	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 27044 FLOW
 25918 CBOD
 22958 TSS

Chris Langford
 OPERATOR

24242
 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-267-9257
 PLANT TELEPHONE



October 2, 2012

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 07:57 PM on October 01, 2012 and stopped at 10:32 PM on October 01, 2012.

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>
October 01 2012	07:57 PM	10:32 PM	4.569 MG	11.572 MGD	0.063 MG



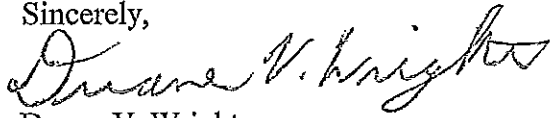
Mr. Charlie Roth, District Supervisor

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@louisvillemsd.org.

Sincerely,



Duane V. Wright

Process Supervisor-Operations

cc: Gary Levy, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File



Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Prob Code: BLEND, Result: WUS, Act Code: DISDW, DISREV

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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1567988	10/01/12 07:57 PM	MARKS JR	OPS CSHIFT	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE-WATER S	10/01/12 10:32 PM	

Spot Inspections:

Peak Plant Flow when Blending:	11,572,000 GPD
Total Plant Flow when Blending:	4,569,000 GAL
Discharge Amount:	62,687 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	PIPE DISCHARGE SUBMERGED- NO CLEAN UP
Control Zone:	PIPE DISCHARGE SUBMERGED. PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	NEGOTIATIONS UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION.

Notifications:

10/02/12 06:42 AM	DISPUB	msd used signs to warn public
10/02/12 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov and LisaA.Jeffries@ky.gov
10/02/12 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 1
Total Work Orders Printed: 1