



*Louisville and Jefferson County Metropolitan Sewer District*  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

October 10, 2012

Ms. Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane, 4<sup>th</sup> Floor  
Frankfort, Kentucky 40601

**RE: Jeffersontown WQTC, KPDES No: KY0025194**  
**Discharge Monitoring Report September 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 September 2012.

Also attached are bypass/blending letters, overflow reports and the third quarter biomonitoring DMR's.

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, reading "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/Jeffersontown 9.12.doc

Enclosures

cc: R. Shaw  
T. Singleton



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://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  
 FROM YEAR MO DAY TO YEAR MO DAY  
 12 09 01 12 09 30

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	7	*****	*****	(19) MG/L	0	1/1	GR
	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	8.0	(12) SU	0	1/1	GR
	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	7379	10801	(26) LBS/DY	*****	289	396	(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
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	163	212	(26) LBS/DY	*****	6	9	(19) MG/L	0	1/1	CP
	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
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	453	534	(26) LBS/DY	*****	19	26	(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
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	30	39	(26) LBS/DY	*****	1	1	(19) MG/L	0	1/1	CP
	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
PHOSPHORUS, TOTAL (AS P) 00665 1 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	15	19	(26) LBS/DY	*****	0.6	0.7	(19) MG/L	0	1/1	CP
	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
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 10 15			
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER				

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

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

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

MONITORING PERIOD  
 FROM YEAR 12 MO 09 DAY 01 TO YEAR 12 MO 09 DAY 30

NOTE: Read instructions before completing this form

PARAMETER		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	SAMPLE MEASUREMENT	3.17	3.65	(03) MGD	*****	*****	*****	***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTIN UOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	2	2	(13) 100ML	0	1/1	GR
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/ WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0	SAMPLE MEASUREMENT	5425	7544	(26) LBS/DY	*****	216	286	(19) MG/L	0	1/1	CP
RAW SEW/INFLUENT	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	SAMPLE MEASUREMENT	62	86	(26) LBS/DY	*****	2	3	(19) MG/L	0	1/1	CP
EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/30	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/30	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
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 these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.					TELEPHONE 502 540-6000		DATE 12 10 15			
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE NUMBER					

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

KY0025194  
 PERMIT NUMBER

001 Y  
 DISCHARGE NUMBER

MAJOR  
 (SUBR LV)  
 F - FINAL JEFFE  
 BIOMONITORING/ONCE PER QUARTER  
 EFFLUENT  
 [ ] No Discharge

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
12	07	01	FROM	12	09	31
			TO			

NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS								
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	194	194	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
CADMIUM, DISSOLVED (AS CD) 01025 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.001	< 0.001	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
COPPER, DISSOLVED (AS CU) 01040 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.009	0.009	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
LEAD, DISSOLVED (AS PB) 01049 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.08	< 0.08	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
ZINC, DISSOLVED (AS ZN) 01090 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.029	0.029	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
ZINC TOTAL RECOVERABLE 01094 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.030	0.030	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
CADMIUM TOTAL RECOVERABLE 01113 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.001	< 0.001	(19) MG/L	0	1/90	CP					
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS					
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	10	15					
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)

PERMITTEE NAME/ADDRESS (include

Facility Name/Location if different)

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

LOCATION LOUISVILLE KY 40299

ATTN: DENNIS THOMASSON SR. METRO OPS

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

KY0025194  
 PERMIT NUMBER

001 Y  
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
12	07	01	TO	12	09	31

MAJOR (SUBR LV)  
 F - FINAL JEFFE  
 BIOMONITORING/ONCE PER QUARTER  
 EFFLUENT  
 [ ] No Discharge

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
LEAD	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.08	<0.08	(19) MG/L	0	1/90	CP	
TOTAL RECOVERABLE 01114 1 0 1	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
EFFLUENT GROSS VALUE												
COPPER	SAMPLE MEASUREMENT	*****	*****	***	*****	0.009	0.009	(19) MG/L	0	1/90	CP	
TOTAL RECOVERABLE 01119 1 0 1	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
EFFLUENT GROSS VALUE												
TOXICITY, FINAL CONC	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	<1.00	(2G) TOXCTY	0	1/90	CP	
TOXICITY UNITS 61406 1 0 1	PERMIT MEASUREMENT	*****	*****	***	*****	*****	1.00	(2G) TOXCTY		QTRLY	COMPOS	
EFFLUENT GROSS VALUE							DAILY MX					
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
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 those 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	10	15
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)												

NAME OF TREATMENT PLANT JEFFERSON TOWN WTPCOUNTY JEFFERSONMONTH OF: September 2012KPDES 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	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	2.74			6.9	7.4	19.0					8.7		412		6	196		2	0.79	3530		6.1	2590	2220	160	150						24	0.52	1.10	2
2	3.52			6.6	8.0	25.0					8.4		222		3	126		2	0.75	3950		5.7	2300	2000	250	180						19	0.49	0.78	2
3	4.69			6.8	7.8	14.0					8.8		175		3	148		2	0.69	1035		6.4	2200	1471	150	140						22.5	0.45	0.67	2
4	3.15			6.8	7.9	12.0					8.7		812		2	338		2	0.68	7030		7.9	2580	1740	180	180						22	0.46	0.62	2
5	3.48			6.9	7.6	30.0					8.5		432		4	276		2	0.67	5920		7.7	2610	2040	190	180						29.75	0.52	1.50	2
6	3.51			6.4	7.4	35.0					8.6		360		3	340		2	0.73	7270		7.7	2470	2050	200	180						17	0.47	1.10	2
7	2.81	2	2	6.8	7.6	30.0					8.9		360		6	202		3	0.75	4030		7.5	1700	1270	180	180						20.6	0.52	1.50	2
8	7.56			6.7	6.9	15.0					7.4		166		8	107		4	0.87	6460		7.4	1300	1070	90	80						18.1	0.48	0.73	2
9	3.99			6.7	6.7	14.0					8.3		238		4	210		2	0.89	6000		7.3	2460	1780	210	160						18	0.37	0.50	5
10	3.18			7.5	7.6	10.0					8.9		224		2	192		3	0.77	7170		8.1	2530	2030	170	150						18	0.47	0.67	2
11	2.85			6.9	7.3	70.0					8.7		548		5	441		2	0.71	4500		8	3340	2620	150	150						18	0.48	0.90	2
12	2.70			6.7	7.1	22.0					8.9		580		6	512		2	0.75	6790		8.7	2700	1780	160	150						9	0.45	2.80	2
13	2.69	2	2	6.9	7.7	48.0					8.3		644		5	383		3	0.6	5080		7.1	2860	2240	200	190						22.6	0.62	4.10	2
14	2.58			6.9	7.5	45.0					8.4		106		4	156		2	0.47	7780		7.1	2790	2150	190	140						17	0.58	0.73	2
15	2.47			7.1	7.4	18.0					8.1		201		8	164		2	0.46	8810		6.8	2710	2020	130	120						10	0.55	0.84	2
16	2.44			6.9	7.5						8.0		276		8	188		2	1.95	6240		6.9	2460	1890	120	110						10	0.58	0.95	2
17	2.52			8.5	7.4	25.0					8.6		280		6	304		2	0.52	8190		5.7	2900	2170	120	100						9	0.59	1.40	2
18	2.65			7.1	7.3	25.0					8.3		328		7	261		2	0.78	4900		7.4	2560	2010	110	100						13	0.58	1.30	2
19	2.48	2	2	7.1	7.3	25.0					8.6		236		6	253		2	0.7	5850		7.6	2500	1870	180	180						10	0.64	1.50	2
20	2.41			7.6	7.7	19.0					8.6		122		9	163		3	0.71	4220		6.9	2590	2060	180	160						9	0.78	1.40	2
21	2.35			7.1	7.4	18.0					8.2		260		8	214		2	0.7	3560		7.2	2490	2080	120	110						10	0.69	2.00	2
22	2.27			7.0	7.7	15.0					8.6		250		8	181		2	0.68	3250		6.1	2360	2050	120	110						10	0.64	1.50	2
23	2.31			7.1	7.7	12.0					8.7		140		10	140		2	0.66	2980		6.6	2750	1909	100	100						8	0.70	0.95	2
24	2.27			6.5	7.5	37.0					8.7		254		10	267		2	0.65	3830		6.2	2560	1990	110	100						17	0.77	0.39	2
25	3.09	2	2	7.9	7.4	19.0					8.7		134		13	102		2	0.68	4250		6.7	2980	2260	110	100						17	0.99	0.90	2
26	3.61			6.7	7.5	33.0					8.4		79		7	96		2	0.63	6430		5.9	2730	2000	110	110						21	0.92	1.40	2
27	5.06			6.7	7.7	38.0					8.2		205		3	120		2	0.62	5520		6.5	1830	1490	100	90						21	0.54	1.10	2
28	3.76			6.8	6.9	8.0					8.5		152		9	124		3	0.63	6640		6.2	2150	1580	90	90						21	0.59	1.00	2
29	3.22			6.8	6.8	22.0					8.5		228		10	106		3	0.64	6220		6.5	2220	1710	100	90						21	0.55	0.73	2
30	2.89			6.9	6.8	18.0					8.2		236		8	160		2	0.62	5940		6.6	2460	1920	90	90						12	0.48	0.73	2
31																																			
Tot.	95.24	8	8															21.75																	
Avg.	3.17	2	2	7.0	7.4	24.9					8.5		289		6	216		2	0.725	5446		6.95	2489	1916	145.7	132.3						494.6			

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

30234  
FLOW33588  
CBOD36394  
TSSChris Langford  
OPERATOR24242  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION502-267-9257  
PLANT TELEPHONE



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

September 11, 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 10:04 AM on September 08, 2012 and stopped at 01:15 PM on September 08, 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.

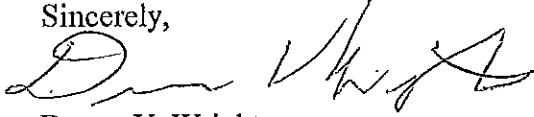
<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
September 08 2012	10:04 AM	01:15 PM	7.558 MG	11.830 MGD	0.049387 MG
					# 2 pump kicked out @ 12:20pm



Mr. Charlie Roth, District Supervisor  
KY Division of Water  
Page 2

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](mailto:duane.wright@louisvillemsd.org).

Sincerely,

A handwritten signature in black ink, appearing to read 'Duane V. Wright', written over a horizontal line.

Duane V. Wright  
Process Supervisor-Operations

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

eB File





700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

September 11, 2012

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

**Re: Bypass Report for the Jeffersontown WQTC – KPDES Permit KY0025194**

Dear Mr. Roth:

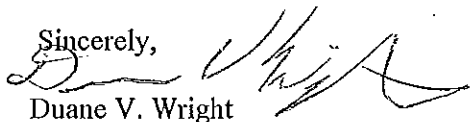
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on September 08, 2012, referencing Work Order 1553336 as a wet weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: The operator on duty noticed northwest corner of aeration tank #7 overflowing at 7:45 AM due to four secondary influent pumps ran simultaneously during a wet weather event. The aeration tank blowers were shut off to stop the bypass. During investigation of this bypass, we realized that this bypass was caused due to a controls issue. Approximately 1500 gallons of sewage was discharged to the ground. Flow at the time of by pass was approximately 11.65 MGD
- Period of noncompliance: Starting 07:45 AM on September 08, 2012 and stopping 08:00 AM on September 08, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is currently troubleshooting the controls of the influent pump station.

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](mailto: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





700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

September 11, 2012

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

**Re: Bypass Report for the Jeffersontown WQTC – KPDES Permit KY0025194**

Dear Mr. Roth:


This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on September 08, 2012, referencing Work Order 1553351 as a wet weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: The operator on duty noticed aeration tank #7 overflowing near MLSS channel at 9:40 AM due to four secondary influent pumps ran simultaneously during a wet weather event. The #4 secondary influent pump was shut off to stop the bypass. During investigation of this bypass, we realized that this bypass was caused due to a controls issue. Approximately 2000 gallons of sewage was discharged to the ground. Flow at the time of by pass was approximately 11.77 MGD
- Period of noncompliance: Starting 09:40 AM on September 08, 2012 and stopping 10:00 AM on September 08, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is currently troubleshooting the controls of the influent pump station.

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@louisvillemisd.org](mailto:duane.wright@louisvillemisd.org).

Sincerely,

  
Duane V. Wright  
Process Supervisor-Operations

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



Date	Start date and time	Stop date and time	Total Flow MG	Peak Flow MGD	Blended Flow Gallons	Blend time	Total Flow During event MG	Avg Flow During event MGD
9/8/2012	9/8/12 10:04 AM	9/8/12 1:15 PM	7.558	11.830	49,387	3 hrs 11 min	1.221	9.196

Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Prob Code: BYPAS, 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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1553336	09/08/12 07:45 AM	MARKS JR	OPS ASHIFT	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	09/08/12 08:00 AM	

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	BLOWERS RUNNING WITH HIGH FLOW DURING RAIN EVENT
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOILDS ON GROUND AND GRASS
Repair:	TURNED OFF BLOWERS DURING HIGH FLOW

**Notifications:**

09/08/12 09:30 AM	DISPUB	MSD USED SIGNS TO WARN PUBLIC
09/08/12 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

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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<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	1553351	09/08/12 09:40 AM	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	09/08/12 10:00 AM	

**Spot Inspections:**

Discharge Amount:	2,000 GAL
Cause:	#7 AERATION BASIN OVERFLOWED FROM ALL 4 PUMPS RUNNING AT THE SAME TIME
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SOLIDS OBSERVED ON THE GROUND
Repair:	ADJUSTED PUMP AND PLANT FLOW PER WET WEATHER SOP

**Notifications:**

09/08/12 11:52 AM	DISPUB	MSD USED SIGNS TO WARN THE PUBLIC
09/08/12 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

Total Facilities Printed: 1  
Total Work Orders Printed: 2

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 SPL Sewer Treatment Plant	Facility ID MSD0255	Facility Address 10725 OLD TAYLORSVILLE RD	If Pump Station, Name of Pump Station:	Receiving Stream CHENOWETH RUN	Discharge to STREAM
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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1553353	09/08/12 10:04 AM	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE-WATER S	09/08/12 01:15 PM	

**Spot Inspections:**

Peak Plant Flow when Blending:	11,830,000 GPD
Total Plant Flow when Blending:	7,558,000 GAL
Discharge Amount:	49,387 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:**

09/08/12 11:56 AM	DISPUB	MSD USED SIGNS TO WARN PUBLIC
09/08/12 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
09/08/12 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