



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

April 15, 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
March 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 March 2012.

Also attached are an overflow report and a blending/bypass letter.

There were no exceedences. The BOD samples on March 4, 2012 were analyzed. However, due to laboratory personnel not following proper protocol, the sample data was lost. Because of this incident, MSD laboratory personnel were reminded of the proper protocol. If protocol is followed, measures are in place that will prevent a recurrence of lost data.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

Duane V. Wright
Process Supervisor Central Region

DVW/Jeffersontown 3.12.doc

Enclosures

cc: C. Roth (DOW Louisville)
R. Shaw
T. Singleton



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

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

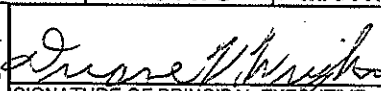
MAJOR
 (SUBR LV)
 F - FINAL JEFFE
 FLOW BOD TSS DO PH
 EFFLUENT
 [8] No Discharge

LOCATION LOUISVILLE KY 40299

ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	12	03	01		12	03	31

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	SAMPLE MEASUREMENT	*****	*****	***	9	*****	*****	(19) MG/L	0	1/1	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB	
PH	SAMPLE MEASUREMENT	*****	*****	***	6.4	*****	7.6	(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	SAMPLE MEASUREMENT	8942	11351	(26) LBS/DY	*****	212	260	(19) MG/L	0	1/1	CP	
SOLIDS, TOTAL SUSPENDED 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	SAMPLE MEASUREMENT	393	530	(26) LBS/DY	*****	8	10	(19) MG/L	0	1/1	CP	
SOLIDS, TOTAL SUSPENDED 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	SAMPLE MEASUREMENT	450	450	(26) LBS/DY	*****	12	12	(19) MG/L	0	1/1	CP	
NITROGEN, AMMONIA TOTAL (AS N) 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	SAMPLE MEASUREMENT	37	62	(26) LBS/DY	*****	0.9	1	(19) MG/L	0	1/1	CP	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0	PERMIT MEASUREMENT	334 MO AVG	500 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	16	22	(26) LBS/DY	*****	0.4	0.4	(19) MG/L	0	1/1	CP	
PHOSPHORUS, TOTAL (AS P) 00665 1 2 1	PERMIT MEASUREMENT	67 MO AVG	100 MX WK AV	(26) LBS/DY	*****	2.0 MO AVG	3.0 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS	
EFFLUENT GROSS VALUE	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.)											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							TELEPHONE		DATE		
GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR								502	540-6000	12	04	19
TYPED OR PRINTED								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.

Please see cover for explanation of NODI code #8.

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

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

KY0025194
PERMIT NUMBER

0012
DISCHARGE NUMBER

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

LOCATION LOUISVILLE KY 40299

ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 12	03	01	TO	12	03	31

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				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4.93	6.13	(03) MGD	*****	*****	*****	***	0	CN	CN	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTIN UOUS	CONTIN	
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	5	12	(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	4582	5395	(26) LBS/DY	*****	115	136	(19) MG/L	0	30/31	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	126	164	(26) LBS/DY	*****	3	3	(19) MG/L	0	30/31	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	*****	*****	***	98	*****	*****	(23) CENT	0	1/30	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	
	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 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	04	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.

Please see cover letter for explanation for NODI code #8.

DOW DMR-01 2/88

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON

MONTH OF: March 2012

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	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 X 1000					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000
1	3.66			6.5	7.0	3.0			10.0		344		4	212			2	1.53	62	35	8.4	3140	2390	290	250							0.37	0.90	4
2	4.76			6.5	7.3	45.0			9.6		208		16	117			5	1.55	59	40	4.5	3140	2410	280	240							0.70	1.60	4
3	4.35			6.8	7.1	20.0			10.0		58		5	75			2	1.48	77	35	4.7	2980	2300	290	250							0.33	1.20	4
4	3.85			6.9	7.0	1.0			10.0		34		4	Scratched		Scratched	1.41	63	33	6.0	2483	2570	270	240								0.26	1.20	4
5	4.87			6.7	7.5	1.0			11.0		90		5	67			2	1.38	67	44	9.4	3120	2420	240	220							0.26	1.10	4
6	4.93			6.7	7.0	3.0			10.0		360		4	157			2	1.38	79	40	9.6	2980	2230	230	200							0.17	0.06	4
7	4.56	2	2	6.8	7.5	34.0			9.9		378		4	186			2	1.39	89	37	9.1	2920	2230	220	200							0.16	0.56	4
8	6.65			6.5	7.3	45.0			9.9		324		48	108			10	1.42	71	37	8.8	3030	2270	220	200							1.96	1.00	4
9	6.56			6.5	6.6	33.0			10.0		52		7	51			2	1.47	84	37	9.2	2440	1830	190	170							0.23	0.45	4
10	5.13			7.3	6.7	5.0			9.8		280		3	46			2	1.47	85	36	8.6	2620	1980	190	180							0.10	0.50	4
11	4.41			6.9	7.2	20.0			9.8		284		2	91			2	1.41	82	37	8.6	2680	2070	220	200							0.11	0.22	10
12	4.76			6.7	7.6	20.0			9.9		60		5	74			2	1.48	65	41	8.7	2650	2110	200	190							0.19	0.73	4
13	4.35			6.8	6.8	3.0			9.9		396		3	180			2	1.47	68	32	8.5	2620	2120	210	200							0.16	1.10	4
14	3.91	2	2	6.9	7.0	52.0			9.9		424		4	239			2	1.47	62	36	8.2	2620	2110	220	200							0.20	0.50	4
15	4.13			6.9	7.5	22.0			9.5		280		10	183			3	1.46	81	40	6.6	2990	2560	240	200							0.36	0.84	184
16	8.54			6.8	7.5	35.0			9.6		208		14	127			4	1.47	114	39	6.7	2310	2390	200	160							0.60	1.40	10
17	6.09			6.8	7.5	26.0			10.0		276		26	81			7	1.51	82	38	7.9	2340	1760	200	190							0.94	1.40	10
18	8.80			6.8	7.4	17.0			9.4		180		7	38			2	1.53	46	34	3.0	1620	1480	110	100							0.31	0.28	4
19	5.99			7.0	7.6	18.0			9.7		261		3	115			2	1.61	68	13	4.8	2370	1830	190	170							0.21	1.70	10
20	5.00			7.1	7.4	20.0			9.6		282		4	154			2	1.61	53	29	9.1	2570	1950	210	190							0.20	1.60	4
21	4.38	2	2	6.8	7.4	22.0			9.8		82		6	92			2	1.64	57	33	7.3	2830	2360	220	200							0.27	1.70	10
22	4.04			7.0	7.4	20.0			9.6		184		4	89			2	1.72	54	27	8.1	2460	1930	210	200							0.25	1.10	4
23	5.84			7.2	7.4	30.0			10.0		480		28	165			6	1.57	53	24	8.2	2620	2010	220	210							0.83	1.10	1
24	6.37			7.1	7.2	24.0			9.2		210		10	93			3	1.19	54	38	7.0	2310	1840	240	200							0.35	0.78	1
25	4.92			7.1	7.3	18.0			9.6		250		5	84			2	1.68	53	26	6.9	2180	1700	210	200							0.21	0.56	4
26	4.25			7.0	7.1	15.0			9.6		124		4	107			2	1.65	53	23	8.1	2470	1860	200	190							0.20	0.39	7
27	3.87			6.6	6.6	15.0			10.0		154		10	147			3	1.48	69	18	9.1	2830	2360	200	200							0.34	0.62	10
28	3.74	2	2	6.9	6.9	13.0			10.0		34		5	67			2	1.39	69	28	7.1	2760	2140	230	210							0.28	0.73	4
29	3.51			6.6	6.4	1.0			9.9		163		4	123			2	1.22	69	29	8.1	2820	2200	220	220							0.22	0.73	4
30	3.30			6.6	6.8	5.0			10.0		51		4	85			2	1.16	81	35	7.8	2850	2220	240	220							0.22	1.00	4
31	3.26			7.0	7.0	15.0			10.0		58		4	84			2	1.18	69	36	8.2	2970	2270	230	210							0.22	0.67	4
Tot.	152.75	8	8															45.38																
Avg.	4.93	2	2	6.8	7.2	19.4			9.8		212		8	115			3	1.464	68.32	33.23	7.623	2668	2126	220.6	200.3							0.36	0.89	5

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

46929

27695

41468

Mike Stephenson

9616

FLOW

CBOD

TSS

OPERATOR

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

March 12, 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 04:59 PM on March 08, 2012 and stopped at 01:22 AM on March 09, 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.

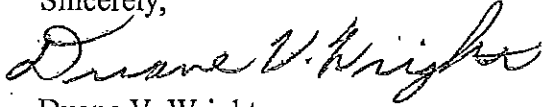
In the table listed below is the total number of gallons of wastewater by calendar day that was bypassed (blended) around the secondary treatment of the Jeffersontown WQTC.

<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>
March 08 2012	04:59 PM	11:59 PM	6.651 MG	12.145 MGD	0.543 MG
March 09 2012	12:00 AM	01:22 AM	6.555 MG	8.712 MGD	0.016 MG



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 wrightd@msdlouky.org.

Sincerely,

A handwritten signature in cursive script, appearing to read "Duane V. Wright".

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, 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
----------------------	------------------------	---	---	----------------

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	1441959	03/08/12 04:59 PM	MARKS JR	OPS CSHIFT	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE-WATER S	03/09/12 01:22 AM	

Spot Inspections:

Peak Plant Flow when Blending:	12,145,000 GPD
Total Plant Flow when Blending:	13,206,000 GAL
Discharge Amount:	559,144 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	PIPE SUBMERGED NO CLEANUP REQUIRED
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED SUBMERGED DISCHARGE PIPE
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

Notifications:

03/08/12 11:28 PM	DISPUB	permanent signs posted and msd website used to warn public
03/08/12 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/08/12 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

March 18, 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 03:37 AM on March 16, 2012 and stopped at 07:27 PM on March 16, 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.

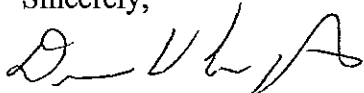
<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
March 16 2012	03:37 AM	07:27 PM	8.545 MG	11.553 MGD	1.058730 MG



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 wrightd@msdlouky.org.

Sincerely,

A handwritten signature in black ink, appearing to read 'Duane V. Wright', with a stylized flourish at the end.

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, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Water Quality Treatment Center JEFFERSONTOWN				Receiving Stream of Treatment Center CHENOWETH RUN			Region CENT	
<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 1447316	<u>Initiated</u> 03/16/12 03:37 AM	<u>Initiated By</u> MARKS JR	<u>Assigned To</u> OPS ASHIFT	<u>Disch Status</u> DOCUMENTED	<u>Event Date</u> 01/14/07	<u>Problem</u> BLENDING AT JTOWN WQTC	<u>Result</u> UNAUTHORIZED DISCHARGE-WATER S	<u>Completed</u> 03/16/12 07:37 PM	<u>Condition</u>

Spot Inspections:

Peal Plant Flow when Blending:	11,552,900 GPD
Total Plant Flow when Blending:	8,545,000 GAL
Discharge Amount:	1,058,730 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	PIPE SUBMERGED NO CLEANUP REQUIRED
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED SUBMERGED DISCHARGE PIPE
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

Notifications:

03/16/12 06:58 AM	DISPUB	permanent signs posted and msd website used to warn public
03/16/12 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/16/12 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

March 19, 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 11:08 PM on March 17, 2012 and stopped at 05:52 AM on March 18, 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.

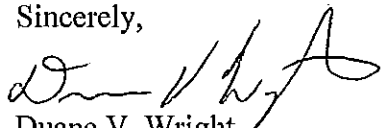
<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
March 17 2012	11:08 PM	11:59 PM	6.091 MG	15.192 MGD	0.063242 MG
March 18 2012	12:00 AM	05:52 AM	8.795 MG	12.582 MGD	0.174955 MG



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 wrightd@msdlouky.org.

Sincerely,

A handwritten signature in black ink, appearing to read 'Duane V. Wright', with a stylized flourish at the end.

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, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Water Quality Treatment Center JEFFERSONTOWN	Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT
-------------------------------	------------------------	---	---	----------------

<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	1447771	03/17/12 11:08 PM	MARKS JR	OPS CSHIFT	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE-WATER S	03/18/12 05:52 AM	

Spot Inspections:

Peal Plant Flow when Blending:	15,192,000 GPD
Total Plant Flow when Blending:	14,886,000 GAL
Discharge Amount	238,197 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	PIPE SUBMERGED NO CLEANUP REQUIRED
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED SUBMERGED DISCHARGE PIPE
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

Notifications:

03/18/12 12:14 AM	DISPUB	MSD USED SIGNS TO WARN PUBLIC
03/17/12 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/17/12 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov