



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

January 26, 2010

Carolena Bentley, DMR Coordinator
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

RE: Jeffersontown WQTC, KPDES No: KY0025194
Discharge Monitoring Report
December 2009

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WQTC KPDES No.: KY0025194 for the month of December 2009.

Also included are copies of the discharge report and plant bypass (blending) letters for the month of December.

There were no exceedences to report.

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/Jeffersontown1209.doc

Enclosures

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



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

NAME JEFFERSON TOWN WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY JEFFERSON TOWN WQTC MSD
LOCATION JEFFERSON TOWN KY 40299
ATTN: DENNIS THOMASSEN, SR METRO OPS

PERMIT NUMBER KY0085194

DISCHARGE NUMBER 001

MAJOR (SUBR LV)
F - FINAL
FLOW 800 TSS 80 PH
EFFLUENT
*** NO DISCHARGE [] ***

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

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	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	PERMIT REQUIREMENT	*****	*****	*****	9	*****	*****	(19)	0	%/1	GR
PH	PERMIT REQUIREMENT	*****	*****	*****	INST. MIN	*****	*****	MG/L		FREED/WK	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.8	*****	7.4	(12)	0	%/1	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	SU		FREED/WK	GR
SOLIDS, TOTAL SUSPENDED 00500 1 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	4299	5236	(25)	*****	143	155	(19)	0	%/1	CP
00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		FREED/WK	CP
SOLIDS, TOTAL SUSPENDED 00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	325	602	(25)	*****	10	14	(19)	0	%/1	CP
00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1000 MD AVG	1501 MX WK AV	LBS/DY	*****	30 MD AVG	40 MX WK AV	MG/L		FREED/WK	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	486	535	(25)	*****	16.3	18.1	(19)	0	%/1	CP
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		FREED/WK	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	6	11	(25)	*****	0.2	0.3	(19)	0	%/1	CP
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	334 MD AVG	500 MX WK AV	LBS/DY	*****	10 MD AVG	15 MX WK AV	MG/L		FREED/WK	CP
PHOSPHORUS, TOTAL (AS P) 00665 1 2 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	24	34	(25)	*****	0.8	1.0	(19)	0	%/1	CP
00665 1 2 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	57 MD AVG	100 MX WK AV	LBS/DY	*****	2.0 MD AVG	3.0 MX WK AV	MG/L		FREED/WK	CP

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H.J. SCHARDEIN, JR EXECUTIVE DIRECTOR TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Dennis Thomassen, Sr</i>	TELEPHONE 802 540 6000	DATE 10 29 01 25
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE MD AVG FOR 800/TSS REMV: REPT IN MINIMUM COLUMN.

NAME: JEFFERSONTOWN WQTC MSD
ADDRESS: C/D CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY: JEFFERSONTOWN WQTC MSD
LOCATION: JEFFERSONTOWN KY 40299
ATTN: DENNIS THOMASSON, SR. METRO OPS

PERMIT NUMBER: KY0025194
DISCHARGE NUMBER: 0012

MAJOR (SURR LV)
F - FINAL
FLOW BOD TSS DO PH
EFFLUENT
*** NO DISCHARGE 1-1-1 ***
JEFFE

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

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE 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	3.68	4.48	(23)	*****	*****	*****		0	CN	CN	
80050 0 0 0 EFFLUENT GROSS VALUE	REPORT MD AVG	REPORT MX WK AV	MGD	*****	*****	*****	****		CONTINUOUS	CONTINUOUS	
COLEFORM. FECAL GENERAL	*****	*****		*****	3	4	(13)	0	0/1	GR	
74055 1 0 0 EFFLUENT GROSS VALUE	*****	*****	****	*****	200	400	#/ 30DA SED 7 DA SED 100ML		FIVE/	GRAB	
WQ, CARBONACEOUS 05 DAY, 200	3653	4063	(26)	*****	124	143	(19)	0	0/1	CP	
80082 0 0 0 RAW SEW/INFLUENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		FIVE/	CONFLU	
800 05 DAY, 200	99	198	(26)	*****	3	4	(19)	0	0/1	CP	
80082 1 0 0 EFFLUENT GROSS VALUE	667 MD AVG	1001 MX WK AV	LBS/DY	*****	20 MD AVG	30 MX WK AV	MG/L		FIVE/	CONFLU	
800 5 DAY, 20	*****	*****		98	*****	*****	(26)	0	0/30	CA	
80091 X 0 0 PERCENT REMOVAL	*****	*****	****	*****	*****	*****	PER- CENT		ONCE/	CALCUL	
8011 0 0 0 PERCENT REMOVAL	*****	*****	****	93	*****	*****	(26)	0	0/30	CA	
8011 0 0 0 PERCENT REMOVAL	*****	*****	****	*****	*****	*****	PER- CENT		ONCE/	CALCUL	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.J. SCHARDIN, JR.
EXECUTIVE DIRECTOR
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Diane V. Wright
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 502-540-6000
DATE: 10 01 25
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE MD AVG FOR BOD/TSS REMV: REPT IN MINIMUM COLUMN.

NAME OF TREATMENT PLANT JEFFERSONTQWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: December 2009
 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 COLIFORMS (COLONIES/100ML)			
																								30 MIN.	60 MIN.	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS				WITHDRAWN GALLONS X 1000		
1	2.85			7.1	6.8	10.0					9.1		218		9	289	2	1.58	5.31	35	6.9	2.68	1.92	160	150							0.93	0.45	3	
2	3.34	3	3	7.0	7.2	23.0					9.1		140		8	94	2	1.59	5.48	35	7.5	2.69	1.94	170	160							1.07	0.84	3	
3	3.73			7.0	7.1	11.0					9.4		176		12	123	2	1.59	6.47	35	8.1	2.75	2.01	180	170							1.07	0.06	3	
4	3.07			7.0	7.1	14.0					9.5		161		13	160	4	1.48	5.2	27	8.1	2.79	2.09	190	190							1.07	0.06	3	
5	2.86			7.0	7.3	9.0					9.4		87		16	106	6	1.54	5.01	28	7.5	2.09	1.56	150	150							0.82	0.34	10	
6	2.83			7.0	7.3	11.0					9.6		170		11	121	3	1.59	5.31	44	8	2.86	2.09	220	200							1.22	0.06	3	
7	2.81			7.1	7.3	8.0					9.5		135		12	106	3	1.6	5.74	32	8.2	2.82	2.03	210	200							0.99	0.06	3	
8	4.75			7.0	7.4	8.0					9.5		239		14	169	8	1.58	6.29	36	7.8	3.07	2.22	200	190							1.42	1.10	7	
9	7.54	3	3	7.0	7.2	17.0					9.0		74		35	47	11	1.58	7.22	36	8.1	8.05	5.84	800	630							1.40	0.06	3	
10	4.70			7.0	7.1	8.0					9.2		136		6	112	2	1.54	7.86	21	7.5	2.68	1.99	200	190							0.58	0.28	3	
11	3.39			7.2	7.3	7.0					9.9		142		14	151	3	1.56	6.72	31	7	2.97	2.2	230	210							0.60	0.39	3	
12	3.11			7.0	7.2	11.0					8.9		132		9	88	2	1.55		31	7.2			220	210							0.50	0.06	3	
13	4.03			6.9	7.3	12.0					9.2		133		9	96	3	1.58		31	7.4			210	200							0.53	0.06	3	
14	3.81			7.0	7.0	11.0					9.4		166		9	145	2	1.56	7.86	34	6.5	3.42	2.55	210	200							0.67	0.06	3	
15	3.49			7.1	7.1	10.0					9.7		143		9	131	2	1.56	7.26	34	6.4	2.91	2.11	230	210							0.68	0.06	3	
16	3.29	3	3	7.1	7.1	17.0					10.1		73		6	134	2	1.56	6.58	34	6.7	2.98	2.25	250	210							0.78	0.06	5	
17	3.22			7.0	6.9	20.0					9.9		185		8	172	2	1.56	7.23	33	6.2	3.05	2.27	270	230							0.71	0.06	3	
18	3.24			7.1	7.3	15.0					9.7		191		6	160	2	1.54	5.71	36	6.3	3.1	2.3	320	240							0.77	0.06	3	
19	5.10			7.1	7.3	13.0					9.6		161		9	39	2	1.55	8.03	29	6.2	2.87	2.22	300	230							0.86	0.06	3	
20	4.55			6.9	7.0	6.0					9.4		64		7	67	3	1.56	6.77	34	6.4	2.84	2.25	330	240							0.54	0.06	3	
21	4.10			7.1	7.0	13.0					9.7		73		7	82	2	1.56	7.74	37	6.1	3.11	2.38	340	240							0.52	0.06	3	
22	3.76			6.9	6.9	11.0					9.6		96		5	81	2	1.6	7.23	30	6.5	3.27	2.48	300	250							0.49	0.06	3	
23	3.47	3	3	6.8	6.9	10.0					9.8		151		9	203	4	1.57	7.44	30	6.1	2.98	2.23	440	250							0.55	0.56	3	
24	3.42			6.9	6.9	11.0					9.6		40		10	116	2	1.57	7.34	36	6.3	2.87	2.17	400	260							0.45	0.06	3	
25	3.88			7.0	6.9	10.0					9.5		300		4	200	3	1.58		34	6.6			380	250							0.43	0.34	3	
26	3.53			6.8	6.8	13.0					9.6		67		8	67	2	1.58	6.18	30	6.3	3	2.23	480	240							0.55	0.34	3	
27	3.14			6.9	6.9	15.0					9.8		173		4	120	2	1.58	6.62	30	6	3.14	2.33	400	240							0.62	0.06	3	
28	3.24			6.8	7.1	9.0					9.6		75		10	73	2	1.58	6.71	30	6.6	3.04	2.27	500	250							0.85	0.06	3	
29	3.09			7.0	6.9	3.0					10.1		318		8	206	2	1.58	5.18	34	7.6	3.12	2.34	520	270							0.82	0.06	3	
30	3.06	3	3	6.9	7.2	8.0					9.9		93		9	96	2	1.56	5.29	37	7	2.94	2.22	520	260							0.78	0.06	3	
31	3.55			6.9	7.1	4.0					9.8		112		8	103	2	1.53	6.71	32	6.7	2.99	2.25	350	240							0.71	0.06	7	
Tot.	113.95	15	15															48.54															0.71	0.06	7
Avg.	3.68	3	3	7.0	7.1	11.2					9.6		143		10	124	3	1.586	6.51	32.77	6.897	3.11	2.312	312.3	231							0.77	0.19	3	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
35006 FLOW
22436 CBOD
20832 TSS

Mike Stephenson
 OPERATOR

9816
 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

December 9, 2009

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 08:53 PM on December 08, 2009 and stopped at 02:51 AM on December 09, 2009.

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>
December 08 2009	08:53 PM	11:59 PM	4.08 MG	13.41 MGD	0.26 MG
December 09 2009	12:00 AM	02:51 AM	7.36 MG	11.82 MGD	0.12 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,

Duane V. Wright
 Process Supervisor-Operations

cc: Gary Levy, KDEP
 Paula Purifoy, MSD
 eB File





Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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 #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	989835	12/08/09 08:53 PM	ELDER	MILLS	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	12/09/09 02:51 AM	

Spot Inspections:

Peak Plant Flow when Blending:	13,410,000 GPD
Total Plant Flow when Blending:	7,360,000 GAL
Discharge Amount:	378,622 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL
Control Zone:	PERMANANT SIGNS, - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Impact:	NONE OBSERVED - OUTLETS SUBMERGED PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

Notifications:

12/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
12/10/09 06:45 AM	DISPUB	PERMANANT SIGNS POSTED IN AREA & http://www.msdlouky.org/projectwin/
12/08/09 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