



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

November 15, 2011

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 2011

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 2011.

Also attached is 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,

Duane V. Wright
Process Supervisor Central Region

DVW/Jeffersontown 10.11.doc

Enclosures

cc: C. Roth (DOW Louisville)
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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	10	01		11	10	31

ATTN: DENNIS THOMASSON SR. METRO OPS

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	*****	*****	(19) INST MIN MG/L		THREE/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.4	*****	7.3	(12) SU	0	1/1	GR
PH	PERMIT MEASUREMENT	*****	*****	***	6.0	*****	9.0	(12) MINIMUM MAXIMUM SU		THREE/WEEK	GRAB
00400 1 0 0	SAMPLE MEASUREMENT	7691	9628	(26) LBS/DY	*****	341	378	(19) MG/L	0	1/1	CP
EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	266	448	(26) LBS/DY	*****	11	19	(19) MG/L	0	1/1	CP
00530 G 0 0	PERMIT MEASUREMENT	1000	1501	(26) LBS/DY	*****	30	45	(19) MO AVG MX WK AV MG/L		THREE/WEEK	COMPOS
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	436	469	(26) LBS/DY	*****	20	23	(19) MG/L	0	1/1	CP
EFFLUENT GROSS VALUE	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)	SAMPLE MEASUREMENT	18	22	(26) LBS/DY	*****	0.8	1	(19) MG/L	0	1/1	CP
00610 G 0 0	PERMIT MEASUREMENT	133	200	(26) LBS/DY	*****	4	6	(19) MO AVG MX WK AV MG/L		THREE/WEEK	COMPOS
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	19	27	(26) LBS/DY	*****	0.8	1.1	(19) MG/L	0	1/1	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	33	50	(26) LBS/DY	*****	1.0	1.5	(19) MO AVG MX WK AV MG/L		THREE/WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	19	27	(26) LBS/DY	*****	0.8	1.1	(19) MG/L	0	1/1	CP
00665 1 1 1	PERMIT MEASUREMENT	33	50	(26) LBS/DY	*****	1.0	1.5	(19) MO AVG MX WK AV 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. 1316. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.					TELEPHONE		DATE			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER						502 540-6000		11 11 17			
H J SCHARDEIN EXECUTIVE DIRECTOR	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA NUMBER					
TYPED OR PRINTED						CODE					

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 2
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
FLOW BOD TSS DO PH
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LOCATION LOUISVILLE KY 40299
ATTN: DENNIS THOMASSON SR. METRO OPS

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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	2.75	3.30	(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	*****	*****	***	*****	5	6	(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	4988	5731	(26) LBS/DY	*****	225	266	(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	60	83	(26) LBS/DY	*****	3	4	(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	*****	*****	***	97	*****	*****	(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 H J SCHARDEIN 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.						TELEPHONE 502 540-6000		DATE 11 11 17		
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 OF TREATMENT PLANT JEFFERSONTOWN WTP

COUNTY JEFFERSON

MONTH OF: October 2011

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 X1000	MLVSS X 1000	RETURN	WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	SETTLED SLUDGE VOLUME	GALLONS X 1000	RAW			HAULED			TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																														% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
1	2.60			6.6	7.3	25.0				9.0		448		4	215		2	1.27	6.2	34	7.2	2.56	1.82	180	160									0.56	0.56	4		
2	2.53			6.5	7.2	32.0				8.0		232		6	139		2	1.32	5.86	26	7.4	2.45	1.73	160	160									0.62	0.39	4		
3	2.48			6.7	7.3	20.0				9.0		350		6	272		2	1.33	4.47	28	7.1	2.53	1.81	160	150									0.73	0.50	4		
4	2.42			6.5	6.5	18.0				9.0		525		6	369		2	1.31	6.14	41	7.2	2.56	1.9	150	140									1.47	0.56	4		
5	2.42	3	3	7.0	7.1	20.0				8.0		216		6	222		4	1.28	7.05	16	6.4	2.6	1.97	150	140									0.80	1.00	4		
6	2.33			6.5	7.0	16.0				9.0		288		6	312		2	1.28	5.9	20	6.1	2.48	1.84	140	130									0.80	1.10	4		
7	2.26			6.6	6.5	20.0				9.0		338		6	333		2	1.33	7.11	19	7	2.47	1.8	160	130									0.74	0.89	4		
8	2.19			6.5	6.6	40.0				8.0		152		9	101		2	1.3	6.06	25	6.6	2.88	2.21	130	120									0.74	0.95	4		
9	2.24			7.0	7.0	20.0				8.0		230		6	160		2	1.29	3.93	15	6.4	2.66	1.92	120	120									0.87	1.00	4		
10	2.24			6.7	6.4	18.0				9.0		244		16	208		3	1.26	4.89	20	6.8	2.61	1.96	120	120									1.32	1.10	7		
11	2.32			6.6	7.1	17.0				8.0		250		14	202		3	1.22	5.32	24	6.6	2.79	2.06	130	120									1.08	0.84	4		
12	2.34	3	3	6.4	6.4	12.0				8.0		530		14	382		3	1.21	7.02	28	6.5	2.57	1.88	130	120									1.21	1.00	4		
13	3.00			6.6	6.9	22.5				8.0		490		16	218		5	1.3	4.44	30	6	3.09	2.17	120	110									1.29	0.78	4		
14	2.70			6.5	6.8	35.0				9.0		275		12	265		3	1.26	8.39	28	7	2.57	1.84	110	105									0.84	0.95	4		
15	2.39			6.4	6.4	18.0				9.0		355		28	185		5	1.23	5.42	28	6.1	2.67	1.89	110	100									1.62	1.00	24		
16	2.37			6.5	6.4	25.0				9.0		200		10	125		2	1.25	4.91	28	7.3	2.76	1.99	100	90									0.77	1.00	4		
17	2.27			6.5	6.6	18.0				9.0		236		11	206		4	1.3	5.88	10	7.6	2.5	1.78	90	80									0.78	1.00	4		
18	2.34			6.4	7.1	20.0				9.0		550		11	380		2	1.29	5.71	8	7.2	2.57	1.9	90	90									0.80	1.20	17		
19	2.59	3	3	6.3	7.3	30.0				8.0		368		33	182		6	1.33	5.61	16	7.4	2.65	1.94	90	90									1.68	1.60	4		
20	4.33			6.2	7.2	20.0				8.0		194		29	111		4	1.33	8.09	22	7.4	2.8	2.07	90	90									1.72	0.78	4		
21	3.01			6.1	6.7	12.0				9.0		440		8	312		2	1.3	6.47	19	8	2.49	2.01	80	80									0.51	0.45	4		
22	2.62			6.4	6.9	27.0				9.0		560		9	268		2	1.28	7.42	32	7.6	2.59	2.07	90	90									0.54	0.78	4		
23	2.57			6.5	6.4	33.0				9.0		536		13	201		2	1.28	6.3	33	7.5	2.86	2.17	100	100									0.75	0.39	4		
24	2.44			6.5	7.3	42.0				9.0		525		11	302		2	1.29	6.66	39	7.7	2.63	1.97	100	90									0.54	1.10	4		
25	2.41			6.4	7.2	37.0				9.0		146		12	214		2	1.34	6.47	34	7.6	2.65	2	100	100									0.72	0.84	4		
26	2.84	3	3	6.6	6.9	50.0				9.0		454		11	279		2	1.36	6.61	30	7.6	2.44	1.94	100	100									0.51	1.30	4		
27	6.51			6.2	6.8	40.0				9.0		264		13	154		2	1.34	11.82	24	7.8	1.84	1.64	70	70									0.55	0.28	4		
28	3.73			7.0	6.4	17.0				10.0		160		6	146		2	1.32	8.3	28	8.5	2.62	1.88	120	110									0.31	0.28	4		
29	3.10			6.7	6.8	15.0				9.0		540		5	237		2	1.31	7.23	35	7.7	2.7	2.4	120	120									0.41	0.67	4		
30	2.90			7.0	6.9	30.0				9.0		263		5	109		2	1.31	6.32	36	7	2.45	1.91	120	120									0.28	0.39	4		
31	2.63			6.4	7.1	50.0				9.0		204		7	162		2	1.31	7.31	35	8.4	2.71	2.16	110	110									0.37	0.45	4		
Tot.	85.10	12	12															40.13																				
Avg.	2.75	3	3	6.5	6.9	25.8				8.7		341		11	225		3	1.295	6.429	26.18	7.184	2.605	1.956	117.4	111.5									0.84	0.81	5		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

26144
FLOW

30284
CBOD

37147
TSS

Mike Stephenson
OPERATOR

9616
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

(502)267-9257

PLANT TELEPHONE



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

October 16, 2011

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 10:49 AM on October 17, 2011, referencing Work Order 1358396 as a dry 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: An electrical malfunction in the secondary pump station caused the pumps to not function properly. Approximately 72,607 gallons of waste water received preliminary treatment, primary clarification and ultraviolet disinfection. The wastewater did not receive secondary treatment.
- Period of noncompliance: Starting 11:39 PM on October 15, 2011 and stopping 01:10 AM on October 16, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD staff changed secondary pump station control switch relay.

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, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File





Report Selections: Excluding PPI Excluding CSO Excluding LAT, 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
DISDW: DRY WEATHER DISCHARGE	1358396	10/15/11 11:39 PM	MARKS JR	WRIGHT	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	10/16/11 01:10 AM	

Spot Inspections:

Discharge Amount	72,607 GAL
Cause:	ELETRICAL PROBLEMS AT THE INFLUENT PUMP STATION
Clean Up:	NO CLEAN UP SUBMERGED DISCHARGE PIPE
Control Zone:	PERMANENT SIGNS, PIPE DISCHARGING DIRECTLY INTO STREAM
Impact	NONE OBSERVED - OUTLETS SUBMERGED
Repair:	MSD MAINTENANCE MADE REPAIRS TO PUMP STATION .

Notifications:

10/17/11 10:49 AM	DISNOT	Manual email notification of unauthorized discharge sent to Ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
10/16/11 07:35 AM	DISPUB	msd used PERMANENT SIGNS POSTED IN AREA http://www.msdlouky.org/projectwin/ to notify public