

MSD

Metropolitan Sewer District

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

September 19, 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
August 2011

Dear Ms. Edwards:

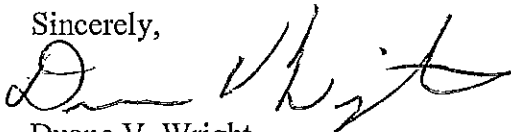
Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WQTC KPDES No.: KY0025194 for the month of August 2011.

Also attached is an overflow report.

There were no exceedences or bypasses.

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 8.11.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

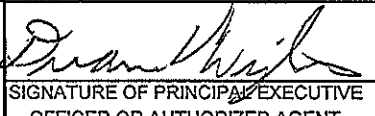
001 2
DISCHARGE NUMBER

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

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM	11	08	TO	11	08 31

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

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				
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	*****	*****	***	6.3	*****	7.4	(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	6853	8975	(26) LBS/DY	*****	344	456	(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	108	162	(26) LBS/DY	*****	5	8	(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	460	479	(26) LBS/DY	*****	23	25	(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	28	32	(26) LBS/DY	*****	1	2	(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	*****	0.7	0.9	(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 FO LAW THAT I HAVE PERSONALLY EXAMINED AMD AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES PRO 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 8 months and 5 years.							TELEPHONE		DATE		
H J SCHARDEIN EXECUTIVE DIRECTOR								502	540-6000	11	09	19
TYPED OR PRINTED								AREA CODE	NUMBER			

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

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

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	TO	YEAR	MO	DAY
11	08	01		11	08	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	2.46	2.69	(03) MGD	*****	*****	*****	***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN.
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	5	5	(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	4568	5592	(26) LBS/DY	*****	230	293	(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	44	54	(26) LBS/DY	*****	2	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	*****	*****	***	99	*****	*****	(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
 TYPED OR PRINTED

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.

Dennis Thomasson
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000
 DATE 11 09 19
 AREA 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
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: August 2011
 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	90 MIN.	60 MIN.	RAW		HAULED		TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																										GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	
1	2.21			7.1	6.5	30.0											4	1.42	4.26	27	2.6	2.13	1.59	80	60							1.36	0.78	4	
2	2.24			6.5	6.4	25.0											2	1.43	4.76	28	2.2	2.27	1.68	80	60							0.92	1.10	4	
3	2.34			6.4	7.2	30.0											2	1.41	4.99	37	3.2	2.3	1.75	90	80							0.96	1.60	4	
4	2.32			6.3	7.1	30.0											4	1.4	4.35	37	3	2.08	1.6	90	60							1.13	1.10	4	
5	2.27			6.5	6.6	10.0											2	1.36	4.65	20	3.2	2.19	1.62	80	80							0.92	1.00	4	
6	2.23			6.6	6.7	16.0											2	1.28	4.59	25	3.4	2.24	1.81	90	80							0.76	1.10	4	
7	4.57	3	3	6.7	6.6	20.0											2	1.23	4.33	25	3.6	2.16	1.74	100	80							0.49	1.10	4	
8	3.15			6.4	6.3	10.0											2	1.24	7.45	17	3.5	2.09	1.58	100	100							0.56	1.20	4	
9	2.77			6.6	7.2	10.0											2	1.24	6.12	25	3.7	2.17	1.76	100	100							0.53	0.84	4	
10	2.65			6.5	7.3	20.0											2	1.24	6.09	28	6.2	2.32	1.71	100	100							0.62	0.84	4	
11	2.45			6.5	7.0	15.0											2	1.22	5.02	27	6.7	2.36	1.78	130	120							0.51	2.20	4	
12	2.30			6.6	6.8	30.0											2	1.27	5.38	33	6	2.31	1.68	130	130							0.50	0.67	4	
13	2.68			6.6	6.9	30.0											2	1.25	5.47	27	6.1	2.31	1.7	130	120							0.49	1.10	4	
14	2.83	3	3	6.7	7.2	25.0											2	1.29	5.03	21	6.3	2.22	1.63	120	120							0.66	1.60	4	
15	2.58			6.7	7.0	20.0											2	1.27	4.79	28	6	2.14	1.64	180	140							0.71	0.84	4	
16	2.48			6.5	7.4	20.0											2	1.23	4.92	30	5.8	2.53	1.72	140	120							0.62	1.30	4	
17	2.34			6.6	7.2	35.0											2	1.23	5.1	30	6.2	2.47	1.81	130	120							0.89	2.50	4	
18	2.78			6.4	6.7	41.0											2	1.24	5.36	34	6.1	2.57	2	130	130							0.88	1.40	4	
19	2.56			6.5	7.2	28.0											2	1.24	4.44	27	5.5	2.05	1.5	120	110							0.94	1.30	4	
20	2.37			6.5	6.5	35.0											2	1.23	4.75	33	5.9	2.225	1.71	120	100							0.91	1.80	4	
21	2.38	3	3	7.0	6.6	30.0											2	1.23	4.35	21	6.3	1.96	1.66	100	100							0.75	1.70	4	
22	2.28			6.5	7.2	15.0											2	1.23	4.81	30	5.8	2.24	1.6	100	100							0.81	2.60	4	
23	2.27			6.6	7.2	40.0											3	1.22	4.65	26	5.7	2.19	1.51	100	100							0.78	0.90	4	
24	2.29			6.4	6.6	30.0											2	1.23	5.07	36	6.2	2.24	1.6	120	100							0.65	2.50	4	
25	2.20			6.3	7.1	45.0											2	1.22	5.6	31	6.1	2.2	1.61	120	120							0.57	1.40	4	
26	2.17			6.5	7.0	30.0											2	1.2	4.74	36	6.3	2.27	1.62	120	120							0.61	1.00	4	
27	2.13			6.4	6.9	37.0											2	1.2	4.18	28	6.4	1.95	1.4	130	120							0.55	1.20	4	
28	2.15	3	3	6.6	7.0	34.0											2	1.25	4.43	30	6.5	2.2	1.63	130	130							0.44	1.90	24	
29	2.17			6.5	7.1	40.0											2	1.3	5.27	28	6.8	2.23	1.58	140	90							0.48	1.40	4	
30	2.11			6.5	6.5	40.0											2	1.31	5.29	24	6.7	2.23	1.66	150	140							0.70	1.40	4	
31	2.13			6.5	7.1	40.0											2	1.29	3.8	30	6.5	2.4	1.74	140	140							0.63	1.70	27	
Tot.	76.41	12	12														39.4																		
Avg.	2.46	3	3	6.5	6.9	27.8											2	1.271	4.969	28.35	5.306	2.234	1.666	115.8	105.5							0.72	1.39	5	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

23476 FLOW
 27755 CBOD
 33651 TSS

Curt Otto
 OPERATOR

9616
 CERT. NO.

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

SEWERED POPULATION

-502 267- 9257
 PLANT TELEPHONE



Report Selections: Excluding PPI, 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 SMN Sewer Main	Facility ID 36603-AG	Facility Address 11524 MAGNOLIA VIEW CT	If Pump Station, Name of Pump Station:	Receiving Stream CHENOWETH RUN	Discharge to GROUND
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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1331604	08/31/11 07:00 PM	ELDER	OPS C-SHIFT	REPAIRED - ISSUE RESOLVED	08/31/11	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	08/31/11 07:05 PM	

Spot Inspections:

Discharge Amount:	50 GAL
Cause:	FORCE MAIN PIPE BROKE
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	CLEAR SEWAGE PERCULATED UP THROUGH THE GROUND
Repair:	SHUT OFF PUMP STATION & HAVING B&H HAUL UNTIL CHEROKEE CAN COMPLETE REPAIRS

Notifications:

08/31/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
08/31/11 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
09/14/11 02:50 PM	DISPUB	Temporary signs placed around the impacted area to notify the public.