



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

March 19, 2012

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Derek Guthrie WQTC, KPDES No: KY0078956
Discharge Monitoring Report
February 2012

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, for the month of February 2012.

There were no exceedences, bypasses or overflow reports during the month of February for the Derek Guthrie WQTC.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

A handwritten signature in black ink, appearing to read "John Kessel", written in a cursive style.

John Kessel
Process Supervisor, West Region

JMK/West County 0212

Enclosures

cc: C. Roth
T. Singleton
R. Shaw



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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME DEREK R. GUTHRIE WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 4522 ALGONQUIN PKWY
 LOUISVILLE KY 40211
 FACILITY DEREK R. GUTHRIE WQTC

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

KY0078956
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL WASTEWATER
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40272
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	02	01		12	02	29

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	PERMIT MEASUREMENT	*****	*****	***	7			(19) MG/L	0	01/01	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	2 INST MIN	*****	*****	(19) MG/L		DAILY	GRAB	
BOD, 5-DAY (20 DEG. C) 00310 G 0 0	SAMPLE MEASUREMENT	46194	47636	(26) LBS/DY		196	213	(19) MG/L	0	01/01	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		DAILY	COMPOS	
BOD, 5-DAY (20 DEG. C) 00310 1 0 1	SAMPLE MEASUREMENT	4961	6989	(26) LBS/DY		21	28	(19) MG/L	0	01/01	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	7506 MO AVG	11259 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		DAILY	COMPOS	
PH 00400 1 0 0	SAMPLE MEASUREMENT			***	7.1		7.8	(12) SU	0	01/01	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		DAILY	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0	SAMPLE MEASUREMENT	62515	64355	(26) LBS/DY		266	266	(19) MG/L	0	01/01	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		DAILY	COMPOS	
SOLIDS, TOTAL SUSPENDED 00530 1 0 1	SAMPLE MEASUREMENT	2994	4783	(26) LBS/DY		12	19	(19) MG/L	0	01/01	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	7506 MO AVG	11259 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		DAILY	COMPOS	
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0	SAMPLE MEASUREMENT	3496	3575	(26) LBS/DY		15	15	(19) MG/L	0	01/01	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		DAILY	COMPOS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG HEITZMAN 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		DATE		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							502 AREA CODE	540-6000 NUMBER	12	03	26
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 DEREK R. GUTHRIE WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 4522 ALGONQUIN PKWY
 LOUISVILLE KY 40211
 FACILITY DEREK R. GUTHRIE WQTC

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

KY0078956
 PERMIT NUMBER

0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL WASTEWATER
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40272
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	02	01		12	02	29

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			
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 1	SAMPLE MEASUREMENT	2106	2185	(26) LBS/DY		9	10	(19) MG/L	0	01/01	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	3253 MO AVG	4879 MX WK AV	(26) LBS/DY	*****	20 MO AVG	30 MX WK AV	(19) MG/L		DAILY	COMPOS
NITROGEN, KJELDAHL TOTAL (AS N) 00625 1 0 1	SAMPLE MEASUREMENT	2243	2511	(26) LBS/DY		10	11	(19) MG/L	0	01/07	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		WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 0 1	SAMPLE MEASUREMENT	593	818	(26) LBS/DY		2.5	3.3	(19) MG/L	0	03/29	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		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 G 0 0	SAMPLE MEASUREMENT	26.94	36.00	(03) MGD				***	0	CN	CN
RAW SEW/INFLUENT	PERMIT MEASUREMENT	REPORT MO AVG	REPORT Daily MAX	(03) MGD	*****	*****	*****	***		CN	CN
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	28.12	36.39	(03) MGD				***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT Daily MAX	(03) MGD	*****	*****	*****	***		CN	CN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0	SAMPLE MEASUREMENT			***			<0.010	(19) MG/L	1	01/01	GR
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	*****	0.019 DAILY MX	(19) MG/L		DAILY	GRAB
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT			***		2	2	(13) 100ML	0	01/01	GR
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		DAILY	GRAB
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 HEITZMAN EXECUTIVE DIRECTOR						502 540-6000		12 03 26			
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.

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 FACILITY DEREK R. GUTHRIE WQTC

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

KY0078956
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL WASTEWATER
 EFFLUENT
 No Discharge

LOCATION LOUISVILLE KY 40272
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	12	02	01	TO	12	02	29

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				
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT			***	89			(23) CENT	0	01/30	CAL	
	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT			***	95			(23) CENT	0	01/30	CAL	
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
	SAMPLE MEASUREMENT											
	PERMIT MEASUREMENT											
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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 HEITZMAN EXECUTIVE DIRECTOR								502	540-6000	12	03	26
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.

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

KY0078956
 PERMIT NUMBER

001 R
 DISCHARGE NUMBER

MAJOR
 (SUBR LV)
 F - FINAL JEFFE
 REASONABLE POTENTIAL
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40272
 ATTN: DENNIS THOMASSON SR. METRO OPS


MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	02	01		12	02	29

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			
CHROMIUM ,HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			***		0.01	0.01	(19) MG/L	0	01/30	CP
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG HEITZMAN
 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.


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 502 | 540-6000
 AREA NUMBER
 CODE
 DATE
 12 | 03 | 26
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

February

2012

KPDES Permit Number:

KY0078958

Plant Capacity:

30 MGD

Receiving Stream:

Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mg/L)			Dissolved Oxygen (mg/L)			Suspended Solids (mg/L)			Total Solids (mg/L)			5-day BOD (mg/L)			Activated Sludge		Aeration Basin						Dig Sludge		Final								
		Grit Removed (cu ft)	Screenings (cu ft)	Raw	Final	Raw	Primary (or Sec.)	Final	Stream Above	Final	Stream Below	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Return	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MILSS (mg/L) X 1000 #1	MILSS (mg/L) X 1000 #2	80 min. Settle.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col/100ml	Hexavalent Chromium	Hardness		
1	27.53			7.8	7.6				7.0		278	8					184	15		5820					3210	2400	270.0	0.08					0.01	9.20	1				
2	28.99			7.7	7.6				7.0		270	8					139	15		5510					2970	2270	280.0	0.09					0.01	8.80	1				
3	25.58			7.7	7.8				7.0		224	8					179	19		6020					3260	2480	270.0	0.08					0.01	9.00	3				
4	31.08			7.5	7.5				7.0		338	9					205	13		5530					3690	2820	280.0	0.08					0.01	9.00	1				
5	32.37			7.4	7.4				7.0		218	9					188	14		6210					3690	2830	290.0	0.08			9.30		0.01	7.30	3				
6	33.13			7.7	7.7				7.3		228	10					150	19		4880					3510	2630	330.0	0.09					0.10	8.00	1				
7	28.97			7.6	7.8				7.0		310	8					304	11		4650					2330	1820	240.0	0.10	1.28				0.01	7.80	1		247		
8	25.60			7.5	7.8				7.1		252	8					180	15		5820					3360	2590	300.0	0.09					0.01	7.70	3	0.01			
9	33.19			7.8	7.6				7.4		188	13					140	24		6510					3880	2940	380.0	0.10					0.01	8.00	2				
10	38.39			7.8	7.4				7.4		334	13					347	20		7620					3280	2470	300.0	0.09					0.01	10.00	2				
11	24.02			7.4	7.8				8.2		258	10					244	15		7600					4410	3390	470.0	0.11					0.01	10.00	2				
12	23.35			7.4	7.8				7.0		326	9					196	15		6530					3990	3040	440.0	0.11			11.00		0.01	9.80	1				
13	23.15			7.4	7.3				7.0		220	7					159	13		6310					3850	2810	380.0	0.10					0.01	9.80	2				
14	25.40			8.5	7.3				7.0		228	11					167	28		6020					4180	3250	470.0	0.11					0.01	9.40	2				
15	25.48			8.0	7.5				7.0		248	8					168	18		6520					4220	3270	400.0	0.09					0.01	8.40	4				
16	31.21			7.3	7.6				7.3		234	14					146	26		7000					6820	5170	350.0	0.05					0.01	8.00	2				
17	35.42			7.3	7.1				7.7		208	22					194	40		6200					6310	4980	470.0	0.07					0.01	8.00	3				
18	27.42			7.4	7.4				7.4		272	8					178	14		6760					3540	2820	400.0	0.11					0.01	7.80	2				
19	25.89			7.2	7.3				7.0		300	14					191	32		6030					3740	2980	400.0	0.11			10.00		0.01	8.80	2				
20	28.14			7.7	7.7				7.0		352	41					211	40		6140					3490	2780	420.0	0.12					0.01	9.10	1				
21	27.60			7.8	7.4				7.0		242	18					189	27		6440					3510	2800	430.0	0.12	3.28				0.01	9.80	2				
22	27.28			7.4	7.6				7.0		278	14					205	24		6380					3740	2930	480.0	0.13					0.01	8.10	4				
23	29.14			7.7	7.5				7.0		250	11					271	19		6210					3690	2940	410.0	0.11					0.01	8.80	1				
24	22.92			7.2	7.5				7.0		144	7					166	9		6500					3740	2920	500.0	0.13					0.01	9.20	2				
25	23.55			7.2	7.4				7.0		278	7					202	19		6850					4540	3520	580.0	0.12					0.01	9.80	2				
26	27.89			7.2	7.2				7.3		310	14					241	30		6460					4380	3480	590.0	0.13			11.00		0.01	9.40	2				
27	27.50			7.3	7.4				7.5		340	12					238	20		6880					4580	3630	550.0	0.12					0.01	12.00	2				
28	31.37			7.4	7.5				7.4		382	16					188	23		6820					4340	3480	650.0	0.15	2.93				0.01	12.00	2				
29																				6920					4530	3680	510.0	0.11					0.01	9.00	1				
Total		0	0																																				
Avg.	28.12			7.5	7.5				7.2		266	12					196	21		6293.8	0.0	0.0																	

Total Number of Sewer Connections:

0

Residential Connections:

Commercial Connections:

Industrial Connections:

Sewer Connections X 4 =

0

Industrial Waste Population Equivalent

267798

Flow

270139

BOD

290861

TSS

Operator

Hamilton

Cert. #

Phone #

502-540-6042