



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

April 22, 2010

Ms. Carolena Bentley
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Derek Guthrie WQTC, KPDES No: KY0078956
Discharge Monitoring Report
March 2010

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, for the month of March 2010.

For the month of March there were no exceedances or overflow reports for DRGWQTC. Also included are the First quarter Bio monitoring DMR's.

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 be "J. Kessel", written over a horizontal line.

John Kessel
Process Supervisor, West Region

JMK/West County 0310

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

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

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

MONITORING PERIOD							
FROM			TO				
YEAR	MO	DAY	YEAR	MO	DAY		
10	03	01	10	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6	*****	*****	(19) MG/L	0	1/1	GRAB
	PERMIT MEASUREMENT	*****	*****	***	2 INST MIN	*****	*****	(19) MG/L		DAILY	GRAB
BOD, 5-DAY (20 DEG. C) 00310 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	42172	50,840	(26) LBS/DY	*****	227	247	(19) MG/L	0	1/1	COMPOS
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2579	2917	(26) LBS/DY	*****	14	17	(19) MG/L	0	1/1	COMPOS
	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	SAMPLE MEASUREMENT	*****	*****	***	6.9	*****	7.4	(12) SU	0	1/1	GRAB
	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	42790	52320	(26) LBS/DY	*****	230	254	(19) MG/L	0	1/1	COMPOS
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1426	1771	(26) LBS/DY	*****	8	10	(19) MG/L	0	1/1	COMPOS
	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 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	2988	3057	(26) LBS/DY	*****	16	17	(19) MG/L	0	1/1	COMPOS
	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	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			
H J SCHARDEIN EXECUTIVE DIRECTOR	502 540-6000		10 04 27								
TYPED OR PRINTED	AREA CODE		NUMBER								
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE		NUMBER			
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

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

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDSES)

DISCHARGE MONITORING REPORT (DMR)

KY0078956
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 10	03	01	TO 10	03	31

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

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								
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1359	1578	(26) LBS/DY	*****	7	8	(19) MG/L	0	1/1	COMPOS					
	PERMIT MEASUREMENT	3253 MO AVG	4879 MX WK AV	(26) LBS/DY	*****	26 MO AVG	30 MX WK AV	(19) MG/L		DAILY	COMPOS					
NITROGEN, KJELDAHL TOTAL (AS N) 00625 1 0 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1773	1943	(26) LBS/DY	*****	10	11	(19) MG/L	0	1/7	COMPOS					
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	215	276	(26) LBS/DY	*****	1.2	1	(19) MG/L	0	1/7	COMPOS					
	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 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	21.73	28.79	(03) MGD	*****	*****	*****	***	0	CONTIN	CONTIN					
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTIN	CONTIN					
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	22.24	28.87	(03) MGD	*****	*****	*****	***	0	CONTIN	CONTIN					
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTIN	CONTIN					
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	<0.010	(19) MG/L	0	1/1	GRAB					
	PERMIT MEASUREMENT	*****	*****	***	*****	*****	0.019 DAILY MX	(19) MG/L		DAILY	GRAB					
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	1	1	(13) 100ML	0	1/1	GRAB					
	PERMIT MEASUREMENT	*****	*****	***	*****	200 300 DA 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							
H J SCHARDEIN EXECUTIVE DIRECTOR							502	540-6000	10	04	27					
TYPED OR PRINTED							AREA CODE	NUMBER	YEAR	MO	DAY					
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT														

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

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

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)

DISCHARGE MONITORING REPORT (DMR)

KY0078956
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR 10 MO 03 DAY 01 TO YEAR 10 MO 03 DAY 31

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

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			
BOD, 5-DAY PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	***	94	*****	*****	(23) CENT	0	CALCTD	CALCTD
81010 K 0 0	PERMIT MEASUREMENT	*****	*****	***	85	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
PERCENTREMOVAL					MO AVG						
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	***	97	*****	*****	(23) CENT	0	CALCTD	CALCTD
81011 K 0 0	PERMIT MEASUREMENT	*****	*****	***	85	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
PERCENTREMOVAL					MO MIN						
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
	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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 502 540-6000
 AREA CODE NUMBER

DATE
 10 04 27
 YEAR MO DAY

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)

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 LOUISVILLE KY 40211
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 ATTN: DENNIS THOMASSON SR. METRO OPS

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

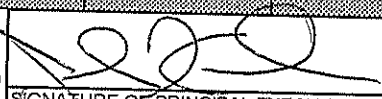
KY0078956
 PERMIT NUMBER

001 R
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR 10 MO 03 DAY 01 TO YEAR 10 MO 03 DAY 31

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

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)	SAMPLE	*****	*****	***	*****	< 0.010	<0.010	(19)	0	1/31	COMPOS
01032 1 0 0	MEASUREMENT			***				MG/L			
EFFLUENT GROSS VALUE	PERMIT	*****	*****	***	*****	REPORT	REPORT	(19)		ONCE/	COMPOS
	MEASUREMENT			***		MO AVG	DAILY MX	MG/L		MONTH	
	SAMPLE										
	MEASUREMENT										
	PERMIT										
	MEASUREMENT										
	SAMPLE										
	MEASUREMENT										
	PERMIT										
	MEASUREMENT										
	SAMPLE										
	MEASUREMENT										
	PERMIT										
	MEASUREMENT										
	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 9 months and 5 years.										
H J SCHARDEIN EXECUTIVE DIRECTOR	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					TELEPHONE		DATE			
TYPED OR PRINTED						502	540-6000	10	04	27	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	AREA CODE	NUMBER	YEAR	MO	DAY						

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

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

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

KY0078956
PERMIT NUMBER

001 Y
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
BIOMONITORING/METALS/QUARTERLY
EFFLUENT
[] No Discharge

MONITORING PERIOD								
YEAR			MO			DAY		
FROM	10	01	01	TO	10	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			
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	230	230	(19) MG/L	0	1/90	COMPOS
ZINC	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.0529	0.0529	(19) MG/L	0	1/90	COMPOS
CADMIUM	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.0001	<0.0001	(19) MG/L	0	1/90	COMPOS
LEAD	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.004	<0.004	(19) MG/L	0	1/90	COMPOS
COPPER	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.002	<0.002	(19) MG/L	0	1/90	COMPOS
TOXICITY, FINAL CONC TOXICITY UNITS 61406 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
	SAMPLE MEASUREMENT						<1.0	(2F) TOXCTV	0	1/90	GRAB-2
	PERMIT MEASUREMENT						1.00	(2F) TOXCTV		QTRLY	GRAB-2
	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 these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)										
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		DATE				
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)					502 AREA CODE	540-6000 NUMBER	10 YEAR	04 MO	27 DAY		

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

March

2010

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	Million Gall/Day	MLSS mg/L X 1000	Gall/Day X 1000 Dissolved Oxygen (mg/L) #1	Dissolved Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. Setts.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col/100ml	Hexavalent Chromium	Hardness
1	23.20			7.5	7.1				7.5			235		8				226		13		2430				1460	1280	130.0	0.09			0.01	9.10	1		
2	23.60			7.5	7.3				7.8			184		6				206		13		2400				1440	1220	140.0	0.10	1.40		0.01	8.57	1		
3	22.88			7.8	7.3				7.7			174		3				185		8		3010				1640	1420	140.0	0.09			0.01	9.58	1		
4	21.10			7.5	7.2				7.7			164		3				198		7		2740				1490	1200	150.0	0.10			0.01	9.30	1		
5	20.95			7.6	7.3				8.3			198		6				262		10		2540				3430	3190	140.0	0.04			0.01	7.50	1		
6	21.20			7.5	7.1				8.0			284		7				179		13		2590				1910	1600	140.0	0.07			0.01	8.90	1		
7	21.10			5.1	7.1				8.1			178		10				284		19		2530				1590	1360	140.0	0.09		9.18	0.01	7.45	1		
8	20.68			7.3	7.0				7.9			174		6				277		14		2580				1450	1260	140.0	0.10			0.01	8.61	1		
9	20.52			7.7	6.9				7.8			166		5				194		11		2240				1430	1200	140.0	0.10			0.01	6.27	1		
10	20.36			7.5	7.0				7.8			188		6				221		14		2840				1360	1170	130.0	0.10	1.32		0.01	6.72	1	0.01	241
11	20.54			7.2	6.9				6.7			132		7				254		14		2160				1320	1130	130.0	0.10			0.01	6.55	1		
12	21.17			7.3	7.1				6.6			306		8				248		10		2200				1300	1200	130.0	0.10			0.01	6.94	1		
13	23.33			7.3	6.9				7.1			290		5				230		12		2320				1120	950	110.0	0.10			0.01	6.55	1		
14	22.31			7.2	6.9				6.8			218		11				224		21		2190				1290	1100	110.0	0.09		8.90	0.01	7.20	1		
15	22.87			7.2	7.0				6.4			202		10				229		18		2400				1370	1170	110.0	0.08			0.01	6.90	1		
16	21.22			7.0	7.1				6.5			254		8				200		13		2270				1340	1140	100.0	0.07	1.25		0.01	8.01	1		
17	21.00			7.7	7.1				6.2			238		11				188		16		2480				1250	1080	110.0	0.09			0.01	7.56	1		
18	20.79			8.7	7.0				6.2			254		10				200		15		2380				1310	1118	100.0	0.08			0.01	7.73	1	0.01	
19	20.52			7.3	6.9				6.2			252		8				209		17		2440				1380	1210	100.0	0.07			0.01	4.50	1		
20	20.71			7.1	6.9				6.8			218		13				210		17		2550				1370	1160	100.0	0.07			0.01	8.30	1		
21	19.63			7.1	6.9				7.4			288		11				280		21		2590				1380	1180	120.0	0.09		11.48	0.01	10.53	1		
22	28.87			7.2	7.0				6.9			248		9				220		18		2760				1390	1180	120.0	0.09			0.01	6.10	1		
23	24.88			7.5	7.0				6.9			218		6				205		10		2800				1560	1360	120.0	0.08	0.93		0.01	5.60	1		
24	23.08			7.2	7.1				8.0			272		7				223		11		2680				1480	1270	120.0	0.08			0.01	6.38	1		
25	22.00			7.3	6.9				6.9			276		5				210		12		2490				1350	1180	110.0	0.08			0.01	6.55	1		
26	28.44			7.4	7.1				7.9			276		5				267		11		2650				1180	1000	110.0	0.09			0.01	6.94	1		
27	24.11			7.8	7.2				8.3			264		8				313		14		3020				1410	1180	120.0	0.09			0.01	6.33	1		
28	23.53			7.3	7.4				8.3			226		10				291		20		2840				1430	1200	120.0	0.08		9.90	0.01	7.70	1		
29	23.79			7.5	7.0				7.7			324		9				217		16		2910				1520	1270	130.0	0.09			0.01	6.70	1		
30	21.78			8.3	7.2				8.3			244		10				231		13		2970				1530	1290	130.0	0.08	0.88		0.01	6.44	2		
31	21.36			7.5	7.3				8.2			174		8				212		10		2850				1610	1350	130.0	0.08			0.01	5.99	1		
Total	689.5	0	0																		0.0		0.0													
Avg.	22.24			7.4	7.1				7.4			230		8				227		14		2572.6				1486.13	1278.97	123.23	0	1.16	9.87	0.01	7.21	1	0.01	241

Total Number of Sewer Connections:

0

Industrial Waste Population Equivalent

Operator

K Thompson

Residential Connections:

Commercial Connections:

Industrial Connections:

Sewer Connections X 4 =

0

211828

Flow

247886

BOD

202793

TSS

Cert. #

#20097

Phone #

540-6042