



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

October 20, 2016

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

**Re: Derek Guthrie Water Quality Treatment Centers
KPDES Permit No. KY0078956**

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, KPDES No: KY0078956

There were no exceedences, overflow or bypass reports for the month of September 2016 for the Derek Guthrie WQTC.

See attached Bio-monitoring report for the 3rd qtr.

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

John Kessel
Process Supervisor, West Region

JMK/West County 09/16
Enclosures

cc: C. Roth
T. Singleton
R. Shaw

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments**Attachments**

Name	Type	Size
DRG_MOR_092016.xls	xls	132608
DRG_Cover.pdf	pdf	46966

Report Last Saved By**Derek R Guthrie WQTC MSD**

User: kessel@louisvillemsd.org | Date/Time: 2016-10-21 09:18 (Time Zone: -04:00)
Name: John Kessel
E-Mail: kessel@louisvillemsd.org

DMR Copy of Record

Permit																					
Permit #:	KY0078956			Permittee:	Derek R Guthrie WQTC MSD			Facility:	DEREK R GUTHRIE WQTC MSD												
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203			Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272												
Permitted Feature:	001 External Outfall			Discharge:	001-R REASONABLE POTENTIAL																
Report Dates & Status																					
Monitoring Period:	From 09/01/16 to 09/30/16			DMR Due Date:	10/28/16			Status:	NetDMR Validated												
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.			Title:	Exec Director			Telephone:	502-540-6000												
Last Name:	Parrott																				
No Data Indicator (NODI)																					
Form NODI:	--																				
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units				
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--								<	0.005		<	0.005	19 - mg/L		01/30 - Monthly	CP - COMPOS	
														Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
Submission Note																					
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No errors.																					
Comments																					
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Derek R Guthrie WQTC MSD																					
User:	kessel@louisvillemsd.org			Date/Time:	2016-10-21 09:18 (Time Zone: -04:00)																
Name:	John Kessel																				
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DMR Copy of Record

Permit

Permit #: KY0078956	Permittee: Derek R Guthrie WQTC MSD	Facility: DEREK R GUTHRIE WQTC MSD
Major: Yes	Permittee Address: 700 W Liberty St Louisville, KY 40203	Facility Location: 11621 LOWER RIVER RD LOUISVILLE, KY 40272
Permitted Feature: 001 External Outfall	Discharge: 001-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 07/01/16 to 09/30/16	DMR Due Date: 10/28/16	Status: NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name: James A.	Title: Exec Director	Telephone: 502-540-6000
Last Name: Parrott		

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type				
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units		
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	240		=	240	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.031		=	0.031	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0001		<	0.0001	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.004		=	0.004	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/90 - Quarterly	GR - GRAB			
					Permit Req.											<=	1 DAILY MX	2F - tox acute	0	01/90 - Quarterly	G2 - GRAB-2
					Value NODI																

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kessel@louisvillemsd.org	Date/Time: 2016-10-21 09:19 (Time Zone: -04:00)
Name: John Kessel	
E-Mail: kessel@louisvillemsd.org	

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

September

2016

KPDES Permit Number:

KY0078956

Plant Capacity:

30 MGD

Receiving Stream:

Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mL/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 Gal/Day	MLSS mg/L X 1000	Gal/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		
																																				Return	WAS
1	39.3820			7.3	7.1				7.0		164		6				121		6		4640					2000	1590	110.0	0.06			3.80	0.01	2.60	10		
2	35.0640			7.2	7.0				7.0		170		8				109		9		3990					2200	1740	110.0	0.05			0.01	0.01	2.40	2		
3	33.1170			7.3	7.2				7.0		170		7				161		8		3900					2210	1730	120.0	0.05			0.01	0.01	2.80	2		
4	31.2610			7.6	6.9				7.0		170		5				121		6		3920					2200	1710	130.0	0.06			0.01	0.01	3.00	2		
5	32.1450			7.3	7.1				7.0		142		5				116		7		3750					2440	1960	130.0	0.05			0.01	0.01	3.20	1		
6	31.9150			7.2	7.0				7.0		180		6				141		8		3650					2210	1760	140.0	0.06	2.81		0.01	0.01	2.80	1		
7	32.3940			7.3	7.3				7.0		96		6				294		11		2330					2290	1730	130.0	0.06			0.01	0.01	2.90	6		
8	31.9270			7.2	7.2				6.0		172		5				109		6		3940					2360	1590	140.0	0.06			3.70	0.01	2.10	19		
9	31.0880			7.2	6.8				7.0		175		4				170		5		4420					3140	2470	150.0	0.05			0.01	0.01	2.60	2		
10	35.4840			7.1	7.1				7.0		210		7				172		11		4430					2550	2040	150.0	0.06			0.01	0.01	2.60	16		
11	39.4840			7.3	6.2				7.0		114		4				91		4		5010					2650	2100	160.0	0.06			0.01	0.01	2.40	365		
12	35.1680			7.9	7.0				7.0		178		3				115		4		4610					2740	2260	170.0	0.06			0.01	0.01	1.80	1		
13	34.7370			7.0	7.1				7.0		180		4				125		7		4860					2590	1990	170.0	0.07	3.03		0.01	0.01	2.00	1		
14	31.9400			7.1	7.1				7.0		212		4				187		6		5110					2580	2100	170.0	0.07			0.01	0.01	2.80	1		
15	31.4030			7.2	7.0				7.0		170		5				130		6		4840					2500	2010	170.0	0.07			3.40	0.01	2.60	1		
16	30.1020			7.4	7.0				7.0		240		5				249		12		4750					2410	1940	150.0	0.06			0.01	0.01	2.40	4		
17	32.5000			7.0	7.1				7.0		205		6				206		8		4860					2590	2050	150.0	0.06			0.01	0.01	2.90	3		
18	33.1820			7.1	7.2				7.0		180		6				163		4		4810					2630	2040	150.0	0.06			0.01	0.01	3.10	3		
19	30.8070			7.3	7.1				7.0		224		6				139		6		4530					2750	2210	140.0	0.05			0.01	0.01	2.70	1		
20	30.0210			7.4	7.1				7.0		212		5				162		5		4380					2620	2230	150.0	0.06	2.42	4.70	0.01	0.01	2.90	5		
21	29.7440			7.3	7.2				7.0		374		3				146		3		4160					2530	2030	140.0	0.06			0.01	0.01	2.50	1		
22	28.8170			7.3	7.1				7.0		332		3				211		3		4100					2080	1700	130.0	0.06			0.01	0.01	2.60	2		
23	28.8170			7.3	7.1				7.0		190		5				144		10		4330					2350	1910	140.0	0.06			0.01	0.01	2.50	4		
24	28.7510			7.4	7.1				7.0		230		7				156		12		4190					2420	1920	150.0	0.06			0.01	0.01	2.90	6		
25	28.7130			8.0	6.9				7.0		226		5				146		3		4170					2750	2190	150.0	0.05			0.01	0.01	3.50	2		
26	33.8420			7.3	7.1				7.0		186		8				129		10		4150					2480	1960	140.0	0.06			0.01	0.01	3.40	1		
27	32.2420			7.3	7.3				7.0		194		4				120		5		4830					2400	1930	140.0	0.06	2.08	4.20	0.01	0.01	2.90	1		
28	36.4490			7.1	7.0				7.0		212		9				113		11		4590					2510	2020	130.0	0.05			0.01	0.01	3.20	1		
29	37.0220			7.1	7.0				7.0		122		9				185		9		5000					2400	1880	130.0	0.05			0.01	0.01	2.80	2		
30	47.6240			7.2	6.6				7.0		160		13				121		14		5220					2390	1860	120.0	0.05			0.01	0.01	3.20	3		
31																																					
Total	995.1420	0	0																		0.0		0.0														
Avg.	33.17			7.3	7.0				7.0		193		6				152		7		4382.3					2466	1955.00	142.00	0.06			2.59	3.96	0.01	0.01	2.74	3

Total Number of Sewer Connections: 0
 Residential Connections: _____
 Commercial Connections: _____
 Industrial Connections: _____
 Sewer Connections X 4 = 0

Industrial Waste Population Equivalent
315918 Flow 246923 BOD 254254 TSS

Operator Tim Clark
 Cert. # #21060
 Phone # 502-540-6042