



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

February 8, 2017

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

**Re: Derek Guthrie Water Quality Treatment Center
KPDES Permit No. KY0078956,
Discharge monitoring report for January 2017.**

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, for the month of January 2017.

There were no overflows or bypass reports for the Derek Guthrie WQTC.

Although the BOD5 concentration results were below the permitted limits, we had one exceedance of our monthly average of BOD5 loading. This was a result of increased plant flow over an extended period of time during the month of January. The increased flow at the Derek R. Guthrie WQTC was due to a Construction upgrade project at Southwestern Pump Station. This upgrade project is still ongoing.

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

Sincerely,

Kevin Thompson
Process Supervisor, West Region

KLT/West County 01/17
Enclosures

cc: C. Roth
V. Graves
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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	Quantity or Loading Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments**Attachments**

Name	Type	Size
201701_DRG_coverletter.pdf	pdf	105089
201701_DRG_MOR.pdf	pdf	130888

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

User: kevin.thompson@louisvillemsd.org

Date/Time: 2017-02-13 13:31 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@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 01/01/17 to 01/31/17				DMR Due Date:	02/28/17				Status:	NetDMR Validated										
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.				Title:	Executive 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.	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	--	Sample Permit Req. Value NODI							<	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																					
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																					
No attachments.																					
Report Last Saved By																					
Derek R Guthrie WQTC MSD																					
User:	kevin.thompson@louisvillemtd.org								Date/Time:	2017-02-13 13:27 (Time Zone: -05:00)											
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemtd.org																				

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

January

2017

KPDES Permit Number:

KY0078956

Plant Capacity:

30 MGD

County

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	Raw	Primary (or Sec.)	Final	Million Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. Sett.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml	
1	41.3610			7.2	7.3				8.0				160		14				284		25			5200					2090	1720	150.0	0.07				0.02	6.60	10	
2	43.2400			7.2	7.1				8.0				186		13				195		32			5040					3610	2960	130.0	0.04				0.02	7.80	25	
3	61.8530			7.2	7.2				7.1				100		13				85		26			5380				2590	2130	130.0	0.05	1.33	8.30	0.02	6.00	13			
4	43.2580			7.1	7.2				8.0				122		11				108		11			5370				1790	1440	112.0	0.06				0.02	4.40	4		
5	40.6460			7.0	6.7				8.0				146		16				125		25			3980				2790	2230	150.0	0.05				0.02	6.40			
6	44.4980			7.3	6.9				8.0				145		19				134		17			4560				1940	1580	100.0	0.05				0.02	8.10	8		
7	42.6080			7.3	7.2				8.0				185		16				162		22			4770				1750	1440	120.0	0.07				0.02	8.30	21		
8	40.5970			7.2	7.3				8.0				1060		13				632		19			4690				1850	1500	120.0	0.06				0.02	8.90	24		
9	40.1500			6.8	7.3				8.0				332		10				143		20			4940				1910	1640	130.0	0.07				0.02	8.80	2		
10	42.1550			7.4	7.3				8.0				202		11				204		30			4620				1800	1560	130.0	0.07	1.64	11.00	0.02	8.00	11			
11	70.0180			7.3	7.3				8.0				160		12				131		18			5930				1770	1450	115.0	0.06				0.02	3.80	11		
12	73.4300			7.3	7.2				8.0				116		14				104		17			5860				1940	1640	125.0	0.06				0.02	3.70	15		
13	96.6700			7.2	7.2				8.0				115		14				680		3			7000				1920	1530	130.0	0.07				0.02	4.00	14		
14	93.4100			7.3	7.5				8.0				70		14				65		17			6340				1900	1500	130.0	0.07				0.02	3.80	3		
15	85.0800			7.4	7.4				8.0				68		10				58		14			6570				1920	1560	130.0	0.07				0.02	4.00	10		
16	74.6900			7.0	7.2				7.6				103		10				76		14			6300				2370	1910	150.0	0.06				0.02	4.10	3		
17	102.6200			7.3	7.0				7.0				99		12				65		14			7790				1720	1340	115.0	0.07	3.65			0.02	3.20	5		
18	81.3540			7.2	7.0				7.6				85		9				80		14			6300				2060	1630	150.0	0.07		5.40		0.02	3.70	6		
19	68.9600			7.5	7.2				7.5				119		10				84		13			6440				2510	1990	150.0	0.06				0.02	4.10	2		
20	120.1500			7.3	7.2				7.5				330		12				64		14			6800				1530	1190	120.0	0.08				0.02	2.10	3		
21	97.9300			7.1	7.1				7.6				70		10				63		12			6620				3160	2450	130.0	0.04				0.02	2.80	4		
22	70.2190			7.3	7.2				7.4				100		6				95		11			6130				2830	2310	150.0	0.05				0.02	4.00	4		
23	61.9460			7.5	7.4				7.5				104		7				92		12			5810				2530	1990	200.0	0.08				0.02	3.90	2		
24	53.5420			7.6	7.4				8.0				113		8				88		11			6290				2460	1910	175.0	0.07	0.94	5.80		0.02	4.00	4		
25	46.1550			7.3	7.4				8.0				127		6				119		8			5980				2550	2030	170.0	0.07				0.02	3.70	4		
26	46.8190			7.4	7.4				8.0				121		7				115		13			6070				2650	2090	180.0	0.07				0.02	3.90	13		
27	43.5250			7.6	7.3				8.0				240		8				229		21			5510				2570	2080	185.0	0.07				0.02	4.60	15		
28	42.5560			7.6	7.2				8.0				150		8				140		13			5780				2790	2210	200.0	0.07				0.02	4.00	21		
29	41.1220			7.4	7.0				8.0				129		7				131		8			5540				2740	2210	190.0	0.07				0.02	4.10	19		
30	36.1180			7.5	7.2				7.7				207		6				197		14			5280				2590	2070	200.0	0.08				0.02	3.80	16		
31	38.9260			7.4	7.2				8.0				149		6				152		12			5590				2800	2230	170.0	0.06		1.76	6.20	0.02	4.60	17		
Total	1885.6060	0	0																				0.0		0.0														
Avg.	60.83			7.3	7.2				7.8				175		11						158		16		5757.4				2304	1855.48	146.35	0		1.86	7.34	0.02	4.94	8	

Total Number of Sewer Connections:

0

Industrial Waste Population Equivalent

Operator

Deb Hathaway

Residential Connections:

Commercial Connections:

Industrial Connections:

Sewer Connections X 4 =

0

579295

471673

421806

Flow

BOD

TSS

Cert. #

#16354

Phone #

502-540-6000