



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

September 15, 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 or bypass reports for the month of August 2016 for the Derek Guthrie WQTC.

See attached overflow report for the month of August.

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 08/16
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_overflow_082016.pdf	pdf	87115
DRG_MOR_082016.xls	xls	133120
DRG_Cover_082016.pdf	pdf	106342

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kessel@louisvillemtd.org

Date/Time: 2016-09-16 13:36 (Time Zone: -04:00)

Name: John Kessel

E-Mail: kessel@louisvillemtd.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 08/01/16 to 08/31/16				DMR Due Date:	09/28/16				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.	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							<	0.01		<	0.01	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.ries@louisvillemsd.org										Date/Time:	2016-09-16 13:15 (Time Zone: -04:00)									
Name:	Kevin Ries																				
E-Mail:	kevin.ries@louisvillemsd.org																				

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: August 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	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	Hexavalent Chromium	Hardness		
1	47.00			7.2	7.0						158		3							126		4						2500	1950	140.0	0.06					1.90		7				
2	56.92			7.2	7.0						170		6							108		6						2870	2240	110.0	0.04		1.50		0.01	1.20		4				
3	43.45			7.2	7.2						210		5							214		7						2570	2000	140.0	0.05			2.90	0.01	1.30		15				
4	51.62			7.2	7.2						126		6							109		10						2520	1950	150.0	0.06				0.01	2.00		1		225		
5	55.90			7.2	7.2						180		6							124		10						2260	1750	130.0	0.06				0.01	1.40		5		0.005		
6	45.45			7.4	7.3						155		7							118		8						2770	2140	140.0	0.05				0.01	1.20		4				
7	42.10			7.3	7.5						178		6							135		7						2390	1850	150.0	0.06				0.01	2.20		3				
8	38.61			7.3	7.2						214		6							157		8						2180	1710	110.0	0.05				0.01	2.50		5				
9	37.88			7.4	7.4						250		8							128		12						1900	1580	100.0	0.05	2.80		0.01	2.90		1		222			
10	37.88			7.2	7.2						170		5							118		6						4600	1910	120.0	0.05				0.01	2.20		1		0.005		
11	37.90			7.2	7.3						166		6							123		11						2560	2010	120.0	0.05			3.90	0.01	2.20		5				
12	35.82			7.2	7.0						6.0		7							147		10						2250	1730	110.0	0.05				0.01	2.10		5				
13	34.37			7.5	7.2						265		7							173		11						2360	1830	140.0	0.06				0.01	2.90		10				
14	36.94			7.7	7.1						266		6							158		8						2220	1760	140.0	0.06				0.01	3.20		32				
15	66.18			7.3	6.2						154		9							89		11						2800	2200	110.0	0.04			3.40	0.01	1.50		13				
16	36.18			7.1	7.1						206		5							200		12						3160	2550	110.0	0.03	1.11		0.01	1.30		138					
17	62.11			7.3	7.2						112		4							82		6						2740	2200	150.0	0.05				0.01	1.60		940				
18	48.26			7.2	7.2						122		4							86		6						2090	1660	120.0	0.06				0.01	0.62		7				
19	32.64			7.3	7.5						180		5							114		13						3580	2840	130.0	0.04				0.01	1.20		2				
20	57.01			7.0	6.9						200		12							129		14						2340	1810	140.0	0.06				0.01	2.20		31				
21	77.84			7.0	7.2						84		7							63		8						1880	1450	110.0	0.06				0.01	1.60		13				
22	50.51			7.3	7.4						128		6							80		6						2240	1810	90.0	0.04				0.01	1.30		5				
23	39.78			7.2	7.4						134		5							92		4						2190	1820	100.0	0.05	1.40		0.01	0.95		8					
24	28.88			7.2	7.3						134		5							102		7						2630	2070	130.0	0.05			2.40	0.01	0.90		35				
25	24.36			7.4	7.4						176		5							122		8						2440	1870	110.0	0.05				0.01	0.62		1				
26	24.42			7.2	7.3						200		6							140		7						2350	1900	110.0	0.05				0.01	0.39		2				
27	21.60			7.1	7.5						192		5							162		6						2380	1810	120.0	0.05				0.01	0.56		2				
28	25.19			7.3	7.3						190		6							120		6						2280	1730	110.0	0.05				0.01	1.60		8				
29	33.85			7.3	7.0						164		5							125		8						1910	1490	90.0	0.05				0.01	1.80		1				
30	34.96			7.3	7.1						180		7							125		8						1960	1550	100.0	0.05	1.48		0.01	2.90		5					
31	35.25			7.2	7.1						160		8							101		7						2260	1770	110.0	0.05				0.01	2.70		5				
Total	1300.84	0	0																				0.0		0.0																	
Avg.	41.96			7.3	7.2						6.6		6							125		8						2419	1901.29	120.65	0	1.66	3.15	0.01	1.71		6	0.005	224			

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Patterson
 Residential Connections: _____
 Commercial Connections: _____ 399644 Flow 256998 BOD 289974 TSS Cert. # #5879
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 08/01/2016 00:00 thru 08/31/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	06940E-AG	3706 NOBEL CT		MILL CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISDW: DRY WEATHER DISCHARGE	2600078		08/08/2016	ANDERSON	CHESSER	REPAIRED - ISSUE RESOLVED	08/08/2016	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	08/08/16 01:00 PM	

Discharge Reporting:

Discharge Amount:	250 GAL
Cause:	BROKEN FORCE MAIN APPROX. 40' FROM ROSA TERRACE PUMP STATION IN STORM DITCH
Clean Up:	B&H VACTORING OUT SEWAGE IN DITCH LINE AND LIME APPLIED
Control Zone:	2 SIGNS HAVE BEEN PLACED ALONG DITCH LINE
Impact:	SEWAGE IN DITCH LINE
Repair:	CHEROKEE CONSTRUCTION TO DIG AND REPAIR 4" CAST IRON FORCE MAIN PIPE. 8/9/16 SEED + STRAW PUT DOWN
Public Notification:	SIGNS

Notifications:

7/28/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
7/28/16 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'