



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

May 12, 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 April 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 April 2017.

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

Also attached is an overflow report.

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 04/17
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

No errors.

Comments

Attachments

Name	Type	Size
201704_drg_MOR.pdf	pdf	116683
201704_DRG_COVERLETTER.pdf	pdf	121385
201704DRGWQTCOverflowReport.pdf	pdf	97749

Report Last Saved By

Derek R Guthrie WQTC MSD

User: duane.wright@louisvillemad.org

Date/Time: 2017-05-18 10:43 (Time Zone: -04:00)

Name: Duane Wright

E-Mail: duane.wright@louisvillemad.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 04/01/17 to 04/30/17			DMR Due Date:	05/28/17			Status:	NetDMR Validated												
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.			Title:	Exec. Dir.			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																					
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.																					
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															201704_drg_MOR.pdf	pdf	116683				
Report Last Saved By																					
Derek R Guthrie WQTC MSD																					
User:	staci.huber@louisvillemsd.org										Date/Time:	2017-05-18 10:43 (Time Zone: -04:00)									
Name:	Staci Huber																				
E-Mail:	staci.huber@louisvillemsd.org																				

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: April 2017
 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						Digested Final			Final							
		Remove d (cu. ft.)	Concentra tions (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	Gall/Day	MLSS mg/L X 1000	WAS	Gall/Day X 1000	Unabsorbed Oxygen (mg/L)	Unabsorbed Oxygen (mg/L)	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SVI	60 min. SVI	% Solids	Residual (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform Col./100
1	25.63			7.2	7.1				7.0		495.0		8.0				346.0		8.0					4050						2370	1710	150					0.016	2.60	4
2	24.52			7.4	7.4				7.0		208.0		7.0				183.0		8.0					3990						2480	1920	150					0.016	2.30	8
3	32.20			7.2	7.0				7.0		486.0		5.0				332.0		15.0					3630					2180	1700	150					0.016	3.80	2	
4	30.98			7.1	7.1				7.0		448.0		6.0				371.0		13.0					4270					2410	1950	140			1.71	4.20	0.016	2.50	3	
5	27.79			7.3	7.0				7.0		320.0		6.0				243.0		6.0					4160					2190	1730	150					0.016	1.90	5	
6	27.52			7.2	7.2				8.0		704.0		4.0				540.0		6.0					4250					2480	1930	150					0.016	1.80	1	
7	31.68			7.2	6.9				7.0		1090.0		8.0				656.0		20.0					3620					1650	1380	120					0.016	4.10	2	
8	23.82			7.4	7.2				7.0		415.0		6.0				326.0		10.0					3880					2340	1890	130				<0.016	2.70	4		
9	26.00			8.3	7.1				7.0		156.0		6.0				170.0		8.0					3750					2340	1870	130					0.016	2.80	2	
10	19.98			7.2	7.3				6.0		556.0		5.0				459.0		11.0					3710					2530	2030	140					0.016	2.40	1	
11	34.09			7.2	7.3				7.0		376.0		7.0				251.0		36.0					3800					1960	1570	130			1.69	7.00	0.016	5.00	4	
12	28.88			7.2	7.4				8.0		1250.0		6.0				729.0		6.0					3870					1550	1460	100					0.016	3.30	3	
13	28.88			7.3	7.4				8.0		562.0		4.0				540.0		5.0					3610					2360	1850	140					0.016	2.10	1	
14	23.52			7.2	7.2				8.0		188.0		4.0				230.0		6.0					3440					2050	1660	140					0.016	2.10	1	
15	25.53			7.2	7.0				7.0		292.0		6.0				273.0		6.0					3310					2250	1850	150					0.016	2.20	1	
16	45.29			7.0	7.0				7.0		695.0		12.0				555.0		32.0					3530					2370	1790	150					0.016	3.40	2	
17	93.65			7.2	7.2				7.0		228.0		7.0				198.0		18.0					6830					1250	990	60					0.016	2.50	2	
18	36.98			7.3	7.5				7.0		712.0		6.0				482.0		7.0					4520					2360	1820	160			0.89	3.20	0.016	1.20	10	
19	32.08			7.2	7.3				7.0		504.0		4.0				450.0		7.0					4420					2700	2140	150					0.016	1.60	17	
20	25.57			7.2	7.3				7.0		386.0		3.0				285.0		5.0					4000					2430	1880	150					0.016	1.20	3	
21	25.75			7.2	7.0				7.0		505.0		6.0				312.0		9.0					3930					2370.00	1810	150					0.016	1.80	3	
22	51.13			7.1	7.1				7.0		335.0		7.0				316.0		11.0					5410					1890	1450	120					0.016	2.10	17	
23	33.71			7.3	7.3				7.0		208.0		4.0				164.0		6.0					4240					2230.00	1700	150					0.016	1.20	12	
24	32.84			7.4	7.5				7.0		252.0		6.0				191.0		9.0					3820					2330	1860	150					0.016	2.30	19	
25	27.05			7.8	7.4				8.0		460.0		5.0				191.0		9.0					3960					1910	1510	130			1.61	4.70	0.016	3.40	3	
26	26.17			7.3	7.4				7.0		452.0		5.0				360.0		6.0					3970					2060	1630	120					0.016	3.00	1	
27	31.62			7.3	7.3				7.0		532.0		6.0				341.0		8.0					4020					1770	1390	110					<0.016	3.40	1	
28	23.02			7.2	7.2						515.0		6.0				385.0		8.0					3550					1950	1600	130					0.016	2.00	9	
29	83.91			7.1	7.1				7.0		395.0		11.0				253.0		16.0					6960					1840	1460	100					0.016	2.60	190	
30	66.39			7.4	7.1				7.0		126.0		7.0				101.0		11.0					5630					2120	1700	120					0.016	1.90	104	
31																																							
Total	1046.2	0	0																					0.0		0.0													
Avg.	34.87			7.3	7.2				7.1		461.7		6.1				341.1		10.9					4204.33					2157.33	1707.67	134.00			1.47	4.78	0.016	2.51	4	

Total Number of Sewer Connections: 36173 Industrial Waste Population Equivalent
 Residential Connections: 34248
 Commercial Connections: 1907 Flow 229377 BOD 480814 TSS 536685
 Industrial Connections: 18
 Sewer Connections X 3 = 102744
 Operator: Deb Hathaway
 Cert. #: #16354
 Phone #: 502-540-6000



Report Selections: Period: 04/01/2017 00:00 thru 04/30/2017 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, 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
SMH Sewer Manhole	99049	5206 STONY BROOK DR		WALNUT HILL BRANCH	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2721551		04/26/2017	ANDERSON IV	SANSUP-SEC OND	REPAIRED - ISSUE RESOLVED	04/26/2017	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	04/26/17 07:35 PM	MAIN

Discharge Reporting:

Discharge Amount:	50 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE
Repair:	FLUSHED OBSTRUCTION FROM MAIN SEWER
Public Notification:	ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON

Notifications:

4/17/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV; CHARLIE.ROTH@KY.GOV'
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Total Facilities Printed: 1

Total Work Orders Printed: 1