



Safe, clean waterways

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

June 6, 2019

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Floyds Fork WQTC, KPDES No: KY0102784
 Discharge Monitoring Report for May 2019.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork Water Quality Treatment Center for the month of May 2019.

Also attached are discharge reports.

There were no bypasses, or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6952.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

DVW/ Floyds Fork 05/19.

Cc: V. Teague
 R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0102784	Permittee:	Floyds Fork WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	FLOYDS FORK WQTC MSD 1100 BLUE HERON RD LOUISVILLE, KY 40245

Report Dates & Status			
Monitoring Period:	From 05/01/19 to 05/31/19	DMR Due Date:	06/28/19
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A	Title:	Exec. Dir.
Last Name:	Parrott	Telephone:	502-540-6000

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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	8									19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Permit Req.	>=	7 INST MIN									19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.6					=	7.7		12 - SU	0	01/07 - Weekly	GR - GRAB		
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM		12 - SU	0	01/07 - Weekly	GR - GRAB			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	104	=	109	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	319	=	408	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	12	=	14	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	20	=	51	26 - lb/d		=	0.6	=	1.4	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Permit Req.	<=	54.2 MO AVG	<=	81.3 MX WK AV	26 - lb/d		<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	10.4	=	10.9	26 - lb/d		=	0.3	=	0.3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	27.1 MO AVG	<=	40.7 MX WK AV	26 - lb/d		<=	.5 MO AVG	<=	.75 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.86	=	5.794	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	3.841	=	4.759	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RE - Record (manual)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	1	13 - #/100mL	0	01/07 - Weekly	GR - GRAB		
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	96	=	145	26 - lb/d		=	3	=	4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d		<=	6 MO AVG	<=	9 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	153	=	254	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	0	01/30 - Monthly	CA - CALCTD		
					Permit Req.							>=	85 MO AV MN		23 - %	0	01/30 - Monthly	CA - CALCTD		
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	0	01/30 - Monthly	CA - CALCTD		
					Permit Req.							>=	85 MO AV MN		23 - %	0	01/30 - Monthly	CA - CALCTD		
					Value NODI															

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
FF052019_COVER.pdf	pdf	415320
DischargeReport_FloydsFork_May2019.pdf	pdf	101030
FF052019_MOR.pdf	pdf	55919

Report Last Saved By

Floyds Fork WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-06-14 08:25 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-06-14 08:49 (Time Zone: -04:00)

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: May 2019
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL			Total Nitrogen	TOTAL FLOW (MILLION GALLONS)					
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	GAL/DAY X 1000	MLSS X1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	ECOLI								
																								30 MIN.	60 MIN.	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				WITHDRAWN GALLONS X-1000							
1	4.350	2.48	2.48	7.4									332		3	105		4	0.805	6730	58000	3.3	2430	1940	200		3.32				1.03		52800	0.30	1.40					3.31899
2	4.597	2.48	2.48	7.4															0.820	7140	51000	3.1	2230	1900	300		3.59					52800			1				3.59136	
3	7.641	2.48	2.48	7.4	7.7														0.825	8200	43000	4.8	2160	1810	250	7.70	7.70				47800							7.69942		
4	7.044	2.48	2.48																1.623		50000	3.1			250		7.04					0						5.78318		
5	6.643	2.48	2.48																1.650		50000	6.7			250		5.20					0				8.35	5.20357			
6	5.716	2.48	2.48	7.4															0.558	5020	73000	5.1	2260	1900	260		4.13					37800						4.12889		
7	4.568	2.48	2.48	7.4															0.883	8700	39000	6.9	2050	1650	250		3.59					52800						3.58742		
8	4.328	2.48	2.48	7.4									156		3	91		2	0.739	8610	42000	3.2	2210	1770	250		3.36			1.38		90600	0.30	0.20				3.36		
9	4.230	2.48	2.48	7.2															0.777	6810	53000	4.3	2240	1910	270		3.21					654000			1			3.21136		
10	4.213	2.48	2.48	7.3	7.7														0.794	8870	39000	4.1	2140	1840	250		3.19					47800						3.19031		
11	4.142	2.48	2.48																0.790		50000	4.4			260		3.16					0						3.16219		
12	4.411	2.48	2.48																0.807		40000	4.2			250		3.37					0				14.4	3.37325			
13	4.172	2.48	2.48	7.1															0.760	6700	53000	4.0	2180	1840	250		3.15					52800						3.14591		
14	3.927	2.48	2.48	7.4															0.764	7770	45000	3.9	2130	1770	260		2.99					20000						2.99295		
15	3.878	2.48	2.48	7.3									378		3	160		3	0.809	6670	50000	4.0	2050	1830	260		2.92			1.61		52800	0.30	0.24				2.92434		
16	4.161	2.48	2.48	7.3															0.817	6910	50000	3.5	2140	1790	250		3.08					52800			1			3.08275		
17	4.929	2.48	2.48	7.5	7.7														0.759	7850	45000	3.2	2160	1730	250		3.92					41500						3.92113		
18	4.239	2.48	2.48																0.812		40000	3.8			250		3.31					0						3.30733		
19	4.437	2.48	2.48																0.798		40000	3.9			250		3.38					0				11.7	3.38062			
20	4.852	2.48	2.48	7.4															0.928	9320	37000	3.2	2120	1780	250		3.38					52800						3.83852		
21	4.362	2.48	2.48	7.3															0.831	7610	50000	4.2	2320	1940	280		3.26					47800						3.25694		
22	4.081	2.48	2.48	7.3									408		3	254		2	0.803	6800	58000	4.0	2420	2060	260		3.11					52800	0.30	0.36				3.10473		
23	4.134	2.48	2.48	7.4															0.871	6540	55000	3.9	2240	1960	250		3.14			1.62		52800				1		3.1442		
24	3.970	2.48	2.48	7.4	7.6														0.861	7410	50000	3.6	2180	1850	250		3.05					75600						3.05792		
25	3.869	2.48	2.48																0.781		40000	3.7			250		2.93					0						2.92909		
26	4.957	2.48	2.48																0.739		40000	4.5			250		3.82					0						3.81939		
27	5.456	2.48	2.48																0.700		40000	5.2			200		4.39					0					12	4.3889		
28	4.638	2.48	2.48	7.4															0.894	7310	48000	4.3	2150	1850	250		3.47					47800						3.47338		
29	6.076	2.48	2.48	7.3															1.124	7460	54000	4.1	2480	2090	260		5.44					52800						5.43787		
30	6.917	2.48	2.48	7.4															1.425	7520	53000	5.3	2340	1900	250		5.71					35000						5.7117		
31	5.604	2.48	2.48	7.2															1.210	7530	50000	5.7	2320	2070	280		4.55					36500						4.54818		
Tot.	150.54	76.88	76.88																27.757								119.9						1710200						119.08	
Avg.	4.856	2.48	2.48	7.3	7.7								319		3	153		3	0.8954	7431	47935	4.232	2225	1872	252.9		3.866			1.41		55167.74	0.30	0.55	1	11.61		3.841		

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

RESIDENTIAL COMMERCIAL INDUSTRIAL	INDUSTRIAL WASTE POPULATION EQUIVALENT 46250 FLOW	61427 TSS	Randolph P. Kustes Jr.	14555 CERT. NO.
	0		502-540-6000 PLANT TELEPHONE	

Report Selections: Period: 05/01/2019 00:00 thru 05/31/2019 23:59, treatment Plant: MSD0294 FLOYDS FORK, 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
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	33003	815 TUCKER STATION RD		POPE LICK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3100429		05/03/2019	GRIMES	SMITH	DOCUMENTED	08/16/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	05/03/19 10:55 AM	MAIN

Discharge Reporting:

Discharge Amount:	2,625 GAL
Cause:	LACK OF CAPACITY. HEAVY RAIN
Clean Up:	WO#3100528
Control Zone:	MSD PLACED CAUTION TAPE AND TEMPORARY SIGNS.
Impact:	OBSERVED SEWAGE AND DEBRIS.
Repair:	A SOLUTION FOR THIS IS INCLUDED IN THE IOAP.
Public Notification:	MSD ADVISED THE CUSTOMER ON SITE.

Notifications:

5/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 05/01/2019 00:00 thru 05/31/2019 23:59, treatment Plant: MSD0294 FLOYDS FORK, 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
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	80289	15302 CRYSTAL SPRINGS WAY		KLEMENZ CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3102538		05/09/2019	DODDS	LEONG	REPAIRED - ISSUE RESOLVED	05/09/2019	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE-WATER S	05/09/19 06:18 PM	

Discharge Reporting:

Discharge Amount:	940 GAL
Cause:	LINE BREAK OCCURRED WHILE PLUMBER TYING IN CONNECTION.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS, BARRICADES AND TAPE AROUND IMPACTED AREA.
Impact:	SEWAGE OBSERVED IN STREAM.
Repair:	PUMPS SET TO PUMP AROUND LINE BREAK. CONTRACTOR TO REPAIR DAMAGED MAIN AND STREAM BANK.
Public Notification:	WEBSITE UPDATED.

Notifications:

5/10/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 05/01/2019 00:00 thru 05/31/2019 23:59, treatment Plant: MSD0294 FLOYDS FORK, 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
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	80581B-AG	611 WOODLAKE DR		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3104799		05/16/2019	GRAY JR	SUTHERLAND	REPAIRED - ISSUE RESOLVED	05/16/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	05/16/19 06:45 PM	

Discharge Reporting:

Discharge Amount:	150 GAL
Cause:	STRUCTURAL FAILURE. FORCE MAIN BREAK.
Clean Up:	CLEAN UP ACTIVITIES WILL BE PERFORMED AFTER REPAIR IS DONE.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE.
Repair:	TURNED OFF PUMP FOR THIS FORCE MAIN.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

5/17/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Total Facilities Printed: 3

Total Work Orders Printed: 3