



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

March 23, 2018

Cheryl Edwards  
300 Sower Blvd., 3rd Floor  
Frankfort, Kentucky 40601

**RE:   Floyds Fork WQTC, KPDES No: KY0102784  
      Discharge Monitoring Report for February 2018.**

Dear Ms. Edwards:

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 February 2018.

While CBOD5 effluent loading limitation results were below the permitted limits, we had two exceedances regarding our maximum weekly average of CBOD5 effluent limitations.

Also, attached is an overflow report.

There were no bypasses to report.

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

Sincerely,

William Ford  
Process Supervisor-Operations

WF/ Floyds Fork 02/18.

Cc:   V. Teague  
      R. Shaw

# DMR Copy of Record

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

<b>Report Dates &amp; Status</b>					
Monitoring Period:	From 02/01/18 to 02/28/18	DMR Due Date:	03/28/18	Status:	NetDMR Validated

**Considerations for Form Completion**

<b>Principal Executive Officer</b>					
First Name:	James A.	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Parrot				

**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					=	10					19 - mg/L	0	01/07 - Weekly	GR - GRAB							
					Permit Req.					>=	7 INST MIN					19 - mg/L		01/07 - Weekly	GR - GRAB							
					Value NODI																					
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.2			=	7.7	12 - SU	0	01/07 - Weekly	GR - GRAB							
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB							
					Value NODI																					
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	168	=	350	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		01/07 - Weekly	24 - COMP24							
					Value NODI																					
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	118	=	208	19 - mg/L	0	01/07 - Weekly	CP - COMPOS								
					Permit Req.												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24					
					Value NODI																					
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	8	=	12	19 - mg/L	0	01/07 - Weekly	CP - COMPOS								
					Permit Req.													Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24				
					Value NODI																					
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	18	=	34	26 - lb/d		=	0.4	=	1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.	<=	163 MO AVG	<=	244 MX WK AV	26 - lb/d		<=	3 MO AVG	<=	4.5 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24							
					Value NODI																					
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	16.8	=	35	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		<=	0.5 MO AVG	<=	0.75 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24							
					Value NODI																					
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.77	=	9.305	03 - MGD							0	99/99 - Continuous	CN - CONTIN							
					Permit Req.														Req Mon MO AVG	Req Mon MX WK AV	03 - MGD	99/99 - Continuous	RE - Record (manual)			
					Value NODI																					
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	5.835	=	9.374	03 - MGD							0	99/99 - Continuous	CN - CONTIN							
					Permit Req.															Req Mon MO AVG	Req Mon MX WK AV	03 - MGD	99/99 - Continuous	RE - Record (manual)		
					Value NODI																					
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	21	13 - #/100mL	0	01/07 - Weekly	GR - GRAB								
					Permit Req.															<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI																					
X 80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	213	=	387	26 - lb/d		=	5	=	11	19 - mg/L	2	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		01/07 - Weekly	24 - COMP24							
					Value NODI																					
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	107	=	152	19 - mg/L	0	01/07 - Weekly	CP - COMPOS							
					Permit Req.																	Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI																					
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	96				23 - %	0	01/30 - Monthly	CA - CALCTD							
					Permit Req.																	>=	85 MO AV MN	23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI																					
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	97				23 - %	0	01/30 - Monthly	CA - CALCTD							
					Permit Req.																	>=	85 MO AV MN	23 - %	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**

Parameter				

Code	Name	Monitoring Location	Field	Type	Description	Acknowledge
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

**Comments**

**Attachments**

Name	Type	Size
201802FFWQTCTCOverflowReport.pdf	pdf	105487
FF_MOR022018.pdf	pdf	59488
FF_DMRCoverletter.pdf	pdf	88555

**Report Last Saved By**

**Floyds Fork WQTC MSD**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
 Name: William Ford  
 E-Mail: william.ford@louisvillemmsd.org  
 Date/Time: 2018-03-27 14:29 (Time Zone: -04:00)

**Report Last Signed By**

User: WILLIAM.FORD@LOUISVILLEMSD.ORG  
 Name: William Ford  
 E-Mail: william.ford@louisvillemmsd.org  
 Date/Time: 2018-03-27 14:29 (Time Zone: -04:00)



Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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	2869656		02/24/2018	FRENCH	HARRETT	BEYOND APPROVED DESIGN STORM	02/24/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	02/25/18 10:00 AM	

**Discharge Reporting:**

Discharge Amount:	128,100 GAL
Cause:	HEAVY RAIN - LACK OF SYSTEM CAPACITY.
Clean Up:	MSD PERSONNEL WILL CLEAN AND SANITIZE THE IMPACTED AREA.
Control Zone:	TEMPORARY SIGNS AND CAUTION TAPE AROUND IMPACTED AREA.
Impact:	MOSTLY CLEAR WATER MIXED WITH SEWAGE OBSERVED DISCHARGING FROM MANHOLE..
Repair:	AN IOAP SOLUTION EXISTS FOR THIS LOCATION.
Public Notification:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.

**Notifications:**

2/23/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
-----------------	--------	---



Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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	85055	14105 OVERLANDER CT		FLOYDS FORK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2868576		02/22/2018	LOGAN JR	MITCHELL	BEYOND APPROVED DESIGN STORM	02/24/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	02/24/18 03:15 PM	

**Discharge Reporting:**

Discharge Amount:	2,400 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO 2869491
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

**Notifications:**

2/22/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/22/18 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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 (Cont'd)	MSD0294	FLOYDS FORK			FLOYDS FORK			EAST			
<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>
: DISREVRain EVENT DISCHARGE	2869530		2/24/2018 7:16:00PM	MITCHELL	LOGAN JR	BEYOND APPROVED DESIGN STORM	02/24/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	02/26/18 01:51 PM	

**Discharge Reporting:**

Discharge Amount:	4,320 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2870399
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

**Notifications:**

2/23/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
-----------------	--------	---

Report Selections: Period: 02/01/2018 00:00 thru 02/28/2018 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	97793	1100 BLUE HERON RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2861186		02/10/2018	WRIGHT	HOWARD	REPAIRED - ISSUE RESOLVED	02/10/2018	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHAGE - WATERS	02/10/18 08:10 PM	

**Discharge Reporting:**

Discharge Amount:	33,750 GAL
Cause:	INFLUENT PUMP STATION MAIN BREAKER TRIPPED DUE TO SHORT IN PUMP 104
Clean Up:	MSD CLEANED AND SANITIZED THE AREA
Control Zone:	PERMANENT SIGNS
Impact:	SOME SEWAGE AND DEBRIS
Repair:	BREAKER RESET
Public Notification:	PERMANENT SIGNS

**Notifications:**

1/22/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG'
1/22/18 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 3

Total Work Orders Printed: 4