



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

April 18, 2021

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
 Discharge Monitoring Report for March 2021.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC, for the month of March 2021.

Also Attached is the First Quarter Biomonitoring

There were no exceedances, overflows or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Joseph A. Smith', written over the printed name.

Joseph Shaun Smith
Process Supervisor

JSS/ Floyds Fork 03/21.

Cc: V. Teague
 R. Shaw

DMR Copy of Record

Permit

Permit #:

KY0102784

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

Floyds Fork WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Discharge:

001-1
MUNICIPAL DISCHARGE

Facility:

FLOYDS FORK WQTC MSD

Facility Location:

1100 BLUE HERON RD
LOUISVILLE, KY 40245

Report Dates & Status

Monitoring Period:

From 03/01/21 to 03/31/21

DMR Due Date:

04/28/21

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James A

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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	=	10.0					10.0				19 - mg/L		0	01/07 - Weekly	GR - GRAB
					Permit Req.	>=	7.0 INST MIN									19 - mg/L			01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.5					7.5				8.2	12 - SU	0	01/07 - Weekly	GR - GRAB
					Permit Req.	>=	6.0 MINIMUM									9.0 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	147.0	=	287.0	26 - lb/d			=	3.0	=	3.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	1626.0 MO AVG	<=	2439.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	174.0	=	300.0	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								=	8.0	=	9.0	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	=	10.5	=	19.2	26 - lb/d			=	0.2	=	0.3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	163.0 MO AVG	<=	244.0 MX WK AV	26 - lb/d			<=	3.0 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	=	14.7	=	28.7	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	=	4.658	=	5.72	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	=	3.804	=	4.67	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								=	7.0	=	126.0	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample		147.0		287.0					3.0		3.0		0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	325.0 MO AVG	<=	488.0 MX WK AV	26 - lb/d			<=	6.0 MO AVG	<=	9.0 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									109.0		184.0		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							97.0						0	01/30 - Monthly	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN				23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI															

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						98.0						0	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85.0 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

No errors.

Comments

Attachments

Name	Type	Size
FFMOR032021.XLS	xls	340992.0
FFCoverletter0321.pdf	pdf	38812.0

Report Last Saved By

Floyds Fork WQTC MSD

User: kevin.thompson@louisvillemSD.org

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemSD.org

Date/Time: 2021-04-20 09:09 (Time Zone: -04:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemSD.org

Date/Time: 2021-04-21 07:53 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

KY0102784

Major:

Yes

Permittee:

Floyds Fork WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

FLOYDS FORK WQTC MSD

Facility Location:

1100 BLUE HERON RD
LOUISVILLE, KY 40245

Permitted Feature:

001
External Outfall

Discharge:

001-2
TOXICITY

Report Dates & Status

Monitoring Period:

From 01/01/21 to 03/31/21

DMR Due Date:

04/28/21

Status:

NetDMR Validated

Considerations for Form Completion

THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5

Principal Executive Officer

First Name:

James A

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - COMP24
					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

No attachments.

Report Last Saved By

Floyds Fork WQTC MSD

User:

kevin.thompson@louisvillemSD.org

Name:

Kevin Thompson

E-Mail:

kevin.thompson@louisvillemSD.org

Date/Time:

2021-04-20 09:01 (Time Zone: -04:00)

Report Last Signed By

User:

JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name:

Joseph Smith

E-Mail:

joseph.smith@louisvillemSD.org

Date/Time:

2021-04-21 07:53 (Time Zone: -04:00)

NAME OF TREATMENT PLANT
FLOYDS FORK

KPDES PERMIT NUMBER
KY0102784

COUNTY
JEFFERSON

PLANT CAPACITY
3.5 MGD

MONTH OF: March 2021

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	RETURN		WASTE D	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				
																		GAL/DAY X 1000	MLSS x1000					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000							
1	11.490										67		3	63		3	8.23	5280	40000	4.1	2280	1890	350							56700	0.30	0.20		7.13	9.8			
2	7.080			7.4	7.5					10.3							7.1	5150	45000	5.8	2450	2030	450							56700			1		5.31			
3	5.890																4.91	5950	65000	4.5	3520	2860	650							75600					4.31			
4	4.260																4.35	7250	80000	3.7	3810	3230	650							94500					3.68			
5	3.880																4.37	6800	80000	3.9	4250	3520	650							88200					3.3			
6	3.780																4.13		40000	3.5			600							0					3.21			
7	3.670																4.24		40000	2			650							0					3.11			
8	3.390										300		3	184		3	4.24	6360	75000	3.5	3820	3120	650							56700	0.30	0.23		7.82	2.92			
9	3.300			7.4	7.7					10.0							4.23	5600	60000	3.5	3730	3040	650							0			1		2.76			
10	3.290																4.18	5950	70000	3.9	3780	3080	700							63000					2.7			
11	3.440																3.89	6420	95000	3.5	3910	3200	700							63000					2.78			
12	7.300																5.7	9050	95000	3.2	2980	2480	650							63000					7.59			
13	5.920																8		70000	6.8			700							0					4.91			
14	4.870																8.23		40000	6.4			710							0					3.93			
15	4.850										168		3	102		3	8.23	5260	85000	5.8	3590	2930	720							63000	0.30	0.25		8.68	3.85			
16	4.630			7.5	8.1					10.0							8.23	4930	85000	5.7	3420	2790	750							44100			1		3.83			
17	4.370																8.08	5110	100000	5.3	3490	2830	730							56700					3.51			
18	5.040																8.2	5140	100000	4.7	3630	2990	700							63000					4.13			
19	5.370																5.56	5110	100000	4.3	3340	2770	750							63000					3.85			
20	4.800																4.7		75000	5.2			730							0					3.5			
21	4.500																3.62		100000	4.6			730							0					3.32			
22	3.790										160		3	86		3	3.66	5390	70000	4	3110	2510	750							50400	0.30	0.20		8.61	3.08			
23	3.570			7.6	8.2					10.1							3.54	5470	75000	3.1	3010	2400	680							94500			146		2.9			
24	3.500																2.83	5230	80000	3.9	3060	2510	670							56700					2.84			
25	3.980																2.73	5240	70000	3.8	2920	2400	620							63000			108		3.08			
26	3.980																2.5	7050	50000	6	2860	2340	570							56700					3.21			
27	3.570																2.6		50000	5.7			620							0					2.89			
28	3.460																2.52		50000	5.2			640							0					2.8			
29	3.170																2.24	5780	75000	5	2940	2400	670							63000					2.6			
30	3.160																2.03	5470	75000	4.6	2810	2300	650							31500					2.52			
31	7.090																2	9020	50000	5.3	3048	2320	650							56700					5.69			
Tot.	144.39																149.1														1379700					117.91		
Avg.	4.658			7.5	7.9					10.1		174		3	109		3	4.809	6000	70483.9	4.567	3294	2693	657.7							44506.5	0.30	0.22	7	8.06	3.804		

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

RESIDENTIAL
COMMERCIAL
INDUSTRIAL 0

INDUSTRIAL WASTE POPULATION EQUIVALENT
44359 24850 32140
FLOW CBOD TSS

Michael Stephenson
OPERATOR

36033
CERT. NO.

PLANT TELEPHONE