



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

January 17, 2025

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for December 2024.**

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 December 2024.

Also, attached is 4th quarter biomonitoring report.

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 'Staci Huber', written over a faint, large, light-yellow circular watermark.

Staci Huber
Process Supervisor

SH/ Floyds Fork 12/24.

Cc: V. Teague
K. Robinson
M. Saylor

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: December 2024
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE 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		WASTED	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 x 1000					GAL/DAY x 1000	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS						WITHDRAWN GALLONS x 1000	
1	3.727																	1.99	60000	4			600														3.35	
2	3.549			8.3	7.8					10.9		65		3	127		3	1.99	7090	80000	4.8	3520	2940	680							107100	0.20	0.20		1		3.1358957	
3	3.380			7.6														2	6050	80000	6.5	3350	2750	640								75600					2.9662027	
4	3.448			7.6														1.99	6490	80000	6.8	3620	3050	750								56700					2.9357009	
5	3.150			7.4														2.14	5790	60000	5.6	3640	3110	740								63000					2.8363018	
6	3.004			7.6														2.08	6220	100000	6.5	3730	2980	770								63000					2.7471642	
7	3.076																	2.08		100000	5.7			730								0					2.8113899	
8	3.297																	2.13		60000	5.5			720								0					2.8755145	
9	5.086			7.6	8.6					11.3		308		3	243		2	2.15	7250	80000	3.8	3690	3020	560								63000	0.39	0.20		1	10.6	4.2994699
10	4.246			7.6														2.16	7150	80000	5.9	3330	2760	700								63000					3.7211437	
11	3.842			8.8														2.14	6800	80000	5.6	3550	2890	700								63000					3.4859066	
12	3.514			7.7														2.12	6130	80000	7.2	3540	2900	700								63000					3.168026	
13	3.402			7.2														2.12	6020	80000	7.8	3550	2840	760								63000					2.9979982	
14	3.391																	2.09		80000	7.7			750													2.9775014	
15	4.895																	2.26		80000	4.8			720													4.5329342	
16	6.609			7.5	7.8					9.9		402		3	344		3	2.43	5900	80000	6.4	3190	2650	580								63000	0.34	0.20		2	11.2	6.0349808
17	7.336			7.5														2.63	7780	80000	8.8	2850	2440	390								63000					6.1188664	
18	7.992			7.4														3.33	7310	80000	8	2780	2290	580								63000					7.8910975	
19	7.490			7.7														4.35	5730	80000	8.4	3000	2420	520								63000					6.1505198	
20	5.841			7.4														3.01	6520	80000	6.2	3490	2860	590								63000					4.6551652	
21	4.457																	2.25		80000	5.1			580								0					4.0397944	
22	4.464																	2.12		80000	4.7			490								0					3.657397	
23	3.989			7.1	8.0					11.7		827		3	310		3	2.14	6400	80000	1.6	3370	2690	750								63000	0.17	0.41		1		3.4406056
24	3.796																	2.14		60000	2			800								63000					3.3652246	
25	3.447																	2.16		60000	1.7			830								0					3.0506234	
26	3.663			7.5														2.1	8270	80000	2.6	4180	3420	800								63000					3.1295335	
27	4.230			7.4														2.12	7870	80000	2.8	3490	2850	750								63000					3.6314981	
28	4.470																	2.13		80000	2.9			750								0					3.8901935	
29	9.304																	3.12		80000	6.5			300								0					9.032567	
30	6.668			7.2														4.07	6270	80000	6	2960	2440	630								63000					5.8588247	
31	5.580			7.2														4.13	5520	80000	6.1	2720	2470	650								63000					4.8412848	
Tot.	#####																	75.67														1373400					127.63	
Avg.	4.656			7.6	8.1					11.0		401		3	256		3	2.441	6628	78065	5.419	3378	2789	661.6								47358.62	0.27	0.25	1	10.9	4.117	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
44345 FLOW 58478 CBOD 74060 TSS

Mike Stephenson

9616

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

(502) 540-6000

PLANT TELEPHONE

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDES eReporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

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 12/01/24 to 12/31/24

DMR Due Date:

01/28/25

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James

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					19 - mg/L	0	01/07 - Weekly	GR - Grab
					Permit Req.						>=	7.0 INST MIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.8			=	8.6	12 - SU	0	01/07 - Weekly	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	120.0	=	165.0	26 - lb/d			=	3.0	=	3.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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			
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	401.0	=	827.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	11.0	=	11.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	9.8	=	13.6	26 - lb/d			=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	11.7	=	18.6	26 - lb/d			=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.656	=	6.374	03 - MGD								0	99/99 - Continuous	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	4.117	=	5.632	03 - MGD								0	99/99 - Continuous	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	1.0	=	2.0	13 - #/100mL	0	01/07 - Weekly	GR - Grab
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL			

					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	110.0	=	165.0	26 - lb/d		=	3.0	=	3.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					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 - 24 Hour Composite
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	256.0	=	344.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.								Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	99.0					23 - %	0	01/30 - Monthly	CA - Calculated
					Permit Req.					>=	85.0 MO AV MN					23 - %		01/30 - Monthly	CA - Calculated
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99.0					23 - %	0	01/30 - Monthly	CA - Calculated
					Permit Req.					>=	85.0 MO AV MN					23 - %		01/30 - Monthly	CA - Calculated
					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
FFMOR.pdf	pdf	139040.0
FFCoverletter.pdf	pdf	38515.0

Report Last Saved By

Floyds Fork WQTC MSD

User: staci.huber@louisvillemسد.org

Name: Staci Huber

E-Mail: staci.huber@louisvillemسد.org

Date/Time: 2025-01-17 10:03 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemسد.org

Name: Staci Huber

E-Mail: staci.huber@louisvillemسد.org

Date/Time: 2025-01-17 10:28 (Time Zone: -05:00)

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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:

001-2
TOXICITY

Facility:

FLOYDS FORK WQTC MSD

Facility Location:

1100 BLUE HERON RD
LOUISVILLE, KY 40245

Report Dates & Status

Monitoring Period:

From 10/01/24 to 12/31/24

DMR Due Date:

01/28/25

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

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 - 24 Hour Composite
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
					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:

CURT.OTTO@LOUISVILLEMSD.ORG

Name:

Curt Otto

E-Mail:

curt.otto@louisvillemsd.org

Date/Time:

2025-01-17 09:37 (Time Zone: -05:00)

Report Last Signed By

User:

staci.huber@louisvillemsd.org

Name:

Staci Huber

E-Mail:

staci.huber@louisvillemsd.org

Date/Time:

2025-01-17 10:28 (Time Zone: -05:00)