



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

March 16, 2026

Crystal Dennis  
Permit Support Section  
Surface Water Permits Branch  
Division of Water  
200 Fair Oaks Lane 4th Floor  
Frankfort, KY 40601

Re: Morris Forman Water Quality Treatment Center  
KPDES Permit No. KY0022411

Dear Ms. Dennis:

In accordance with the provisions of the KPDES Permit referenced above, the monthly Discharge Monitoring Report (DMR), and monthly Discharge (overflow) Report for the reporting period February 1st through February 28th 2026, are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet permit reporting requirements for 30-day TSS and BOD, 7-day TSS and BOD, TSS and BOD percent removal and Chlorine Residual for one day.

MSD operates solids dewatering at both Hite Creek and Derek Guthrie WQTC's. Overall, this has reduced the solids loading to the Morris Forman plant. However, compromised solids handling equipment at Morris Forman continue to contribute to our effluent exceedances. Morris Forman currently has several process improvement projects in progress. The Dryer replacement project has been completed. A Dissolved Air Flotation Thickening (DAFT) rehabilitation project has been awarded. Demolition continues to make way for the Thermal Hydrolysis Process (THP), and due to the Primary Sedimentation Project, Sedimentation Basins 3 and 4 have taken out of service for the installation of new valves, gates, and bridges.

Should you have any questions, please contact me at (502) 540-6765.

Sincerely,

Michael Scott  
Treatment Facilities Manager





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.

<b>Permit</b>			
<b>Permit #:</b>	KY0022411	<b>Permittee:</b>	Morris Forman WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-B</b> SECONDARY BYPASS
<b>Facility:</b>		<b>Facility Location:</b>	MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	From 02/01/26 to 02/28/26	<b>DMR Due Date:</b>	03/28/26
<b>Status:</b>		<b>NetDMR Validated</b>	

**Considerations for Form Completion**  
MONITORING DURING PERIODS OF SECONDARY BYPASS IN ADDITION TO REGULAR MONITORING.1 - FINAL EFFLUENTF - SECONDARY BYPASS AFTER PRIMARYTREATMENT.

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Executive Director
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	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
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	92.0	=	211.0	19 - mg/L	0	05/30 - 5 Times Every Month WH/DS - When Discharging	CP - Composite CP - Composite	
					Permit Req.														
					Value NODI														
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	166.0	=	223.0	19 - mg/L	0	05/30 - 5 Times Every Month WH/DS - When Discharging	CP - Composite CP - Composite	
					Permit Req.														
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	170.0	=	353.0	19 - mg/L	0	05/30 - 5 Times Every Month WH/DS - When Discharging	CP - Composite CP - Composite	
					Permit Req.														
					Value NODI														
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	144.0	=	212.0	19 - mg/L	0	05/30 - 5 Times Every Month WH/DS - When Discharging	CP - Composite CP - Composite	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	11.7	=	13.6	19 - mg/L	0	05/30 - 5 Times Every Month WH/DS - When Discharging	CP - Composite CP - Composite	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	14.2	=	15.1	19 - mg/L	0	05/30 - 5 Times Every Month WH/DS - When Discharging	CP - Composite CP - Composite	
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	0.5	=	0.2	03 - MGD						0	05/30 - 5 Times Every Month WH/DS - When Discharging	CN - Continuous CN - Continuous	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									
					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**

**Morris Forman WQTC MSD**

User: BURCH@LOUISVILLEMSD.ORG  
Name: Robin Burch  
E-Mail: robin.burch@louisvillemsd.org  
Date/Time: 2026-03-13 10:49 (Time Zone: -04:00)

**Report Last Signed By**

User: ANTHONY1026.  
Name: Michael Scott  
E-Mail: mike.scott@louisvillemsd.org  
Date/Time: 2026-03-16 11:40 (Time Zone: -04:00)

Format: Month/Day/Year  
 Enter Start Date : 2/1/26

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF February-26  
 KPDES PERMIT NO. KY0022411 PLANT CAPACITY - 120 MGD RECEIVING STREAM-OHIO RIVER

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (ML)		TSS (mg/L)		D.O. (mg/L)	5-DAY BOD (mg/L)			RETURN SLUDGE				AERATION BASIN				ACTIVE Sludge Wasted		Primary Sludge		CHLORINATION			FINAL EFFLUENT	
	Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	final	final	prim. final	final	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	MG	MG	KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours
2/1/26	58.08	56.99	1.08	54	56	7.2	6.5	7.0	0.5	230	134	11.1	218	159	72	19.8	17.4	15.1	14.3	4.1	3.5	438	102	0.00035	0.00000	2.28	0.979	4	9.9	0.0		
2/2/26	62.97	62.66	0.31	54	55	7.3	6.5	7.0	0.4	212	128	10.1	209	166	75	19.8	20.0	17.1	20.5	5.3	4.6	466	86	0.18969	0.00000	2.43	0.016	4	9.2	0.0		
2/3/26	65.61	65.61	0.00	55	56	7.2	6.6	7.5	0.4	265	85	9.6	269	183	49	19.5	15.7	14.6	17.5	5.6	5.1	449	79	0.61277	0.12855	2.54	0.016	32	18.6	0.0		
2/4/26	67.82	67.82	0.00	54	56	7.3	6.6	7.5	0.5	194	180	6.7	179	204	79	19.2	19.5	16.8	16.9	4.1	3.5	368	89	0.27143	0.21685	2.63	0.016	200	13.8	0.0		
2/5/26	62.00	62.00	0.00	54	55	7.2	6.7	8.0	0.4	264	135	7.7	335	233	85	18.6	20.7	17.6	16.1	6.1	5.1	419	68	0.38151	0.00000	2.40	0.016	132	18.0	0.0		
2/6/26	66.93	66.93	0.00	54	56	7.2	6.7	8.5	1.0	222	167	7.4	269	186	98	18.8	17.1	15.1	15.0	4.2	3.7	397	99	0.17217	0.00000	2.59	0.016	36	21.1	0.0		
2/7/26	63.05	63.05	0.00	53	55	7.2	6.6	9.0	0.5	342	153	7.2	564	183	98	19.1	20.1	17.3	14.8	3.6	3.1	421	115	0.00038	0.00000	2.68	0.016	4	15.0	0.0		
2/8/26	60.91	60.91	0.00	54	55	7.2	6.5	8.0	0.2	236	115	7.1	364	208	73	19.1	19.5	16.5	15.2	4.8	4.0	433	93	0.00038	0.00000	2.75	0.016	12	12.6	0.0		
2/9/26	70.60	70.60	0.00	55	55	7.2	6.7	10.0	3.0	288	255	7.1	217	195	127	18.8	20.1	17.1	16.6	6.0	5.1	407	66	0.36794	0.10579	2.98	0.016	42	14.3	0.0		
2/10/26	94.24	93.62	0.62	54	54	7.2	6.7	8.5	7.0	333	353	7.4	230	178	211	8.7	16.4	14.1	17.8	4.9	4.2	310	65	0.43215	0.10811	3.90	0.016	92	13.6	0.0		
2/11/26	109.20	109.20	0.00	52	52	7.5	6.7	10.0	1.0	177	184	8.1	150	177	72	18.8	16.0	13.6	18.5	5.0	4.2	274	56	0.43183	0.10015	4.67	0.016	128	10.6	0.0		
2/12/26	86.79	86.79	0.00	54	54	7.3	6.7	2.5	0.1	157	64	9.1	166	178	34	19.2	23.4	19.7	18.0	3.2	2.7	301	87	0.43199	0.09914	3.75	0.016	52	11.4	0.0		
2/13/26	74.66	74.66	0.00	56	56	7.4	6.6	4.5	0.1	354	44	8.2	208	243	47	19.9	13.4	11.1	17.9	4.4	3.1	383	80	0.35762	0.17168	3.01	0.016	59	13.2	0.0		
2/14/26	74.35	74.35	0.00	56	56	7.2	6.4	3.5	0.1	186	56	7.5	161	114	26	19.8	26.3	21.9	13.8	5.2	4.3	444	79	0.00046	0.14557	2.72	0.016	75	8.6	0.0		
2/15/26	114.60	114.60	0.00	56	56	7.2	6.7	6.5	1.5	190	170	7.8	106	151	76	19.9	25.1	21.3	18.2	6.1	5.2	284	46	0.00048	0.10854	4.13	0.016	460	5.7	0.0		
2/16/26	88.94	88.94	0.00	53	53	7.5	6.7	6.0	0.3	174	87	6.3	134	98	30	19.9	22.8	18.8	19.0	5.3	4.4	276	51	0.52694	0.09025	3.20	0.016	108	8.3	0.0		
2/17/26	82.04	82.04	0.00	56	56	7.3	6.6	6.5	1.0	276	163	8.6	165	117	17	20.1	26.0	21.8	17.4	5.4	4.6	313	56	0.35315	0.14012	2.95	0.016	17	10.8	0.0		
2/18/26	82.27	82.27	0.00	58	58	7.3	6.6	7.0	0.2	238	82	7.3	245	188	53	20.2	28.6	24.0	19.1	6.3	5.2	369	56	0.36396	0.12152	2.96	0.016	26	12.2	0.0		
2/19/26	94.10	93.87	0.23	59	59	7.2	6.5	10.0	0.2	615	72	6.8	136	104	30	20.1	23.8	20.1	15.6	4.4	3.8	378	82	0.32550	0.10769	3.17	0.016	4	12.2	11.1		
2/20/26	85.41	85.41	0.00	59	59	7.5	6.6	5.3	0.1	252	50	7.5	225	192	36	20.4	19.2	15.4	18.2	4.7	3.5	299	62	0.26091	0.10153	3.07	0.016	104	11.8	23.4		
2/21/26	71.74	71.74	0.00	58	58	7.6	6.6	7.5	0.1	183	105	7.1	290	188	71	20.8	17.8	14.7	14.7	4.9	3.9	417	85	0.00051	0.10626	2.58	0.016	39	10.5	24.0		
2/22/26	73.64	73.64	0.00	57	57	7.3	6.4	7.0	0.4	117	147	9.0	152	148	102	20.8	23.8	20.2	15.6	4.6	4.0	462	103	0.00048	0.00000	2.65	0.016	49	6.9	24.0		
2/23/26	78.38	78.38	0.00	56	56	7.4	6.6	6.0	0.2	220	105	6.8	184	169	68	20.5	23.3	19.4	16.6	5.2	4.4	418	76	0.23877	0.03284	2.97	0.016	196	8.9	24.0		
2/24/26	68.87	68.87	0.00	57	57	7.3	6.6	8.5	0.2	170	98	7.1	216	182	48	20.4	25.0	20.9	17.7	4.3	3.6	405	90	0.52640	0.13394	2.58	0.016	10	15.3	24.0		
2/25/26	67.81	67.81	0.00	58	58	7.3	6.6	6.0	0.2	166	100	6.6	211	176	52	20.2	21.9	18.5	18.2	5.2	4.4	344	65	0.36089	0.20100	2.56	0.016	391	18.0	24.0		
2/26/26	82.89	82.80	0.09	59	59	7.0	6.5	8.0	0.9	214	163	6.3	228	223	70	20.2	28.4	23.9	14.5	6.4	5.4	368	57	0.36585	0.18347	3.13	0.016	49	13.5	24.0		
2/27/26	68.61	68.61	0.00	57	57	7.2	6.6	2.0	0.1	100	26	7.1	211	168	26	20.3	18.3	15.2	15.6	4.4	3.6	413	91	0.35709	0.02992	2.59	0.016	62	15.7	9.5		
2/28/26	63.08	63.08	0.00	59	59	7.1	6.5	0.2	1.0	41	104	6.1	183	156	59	20.8	23.4	20.0	14.3	2.9	2.7	467	157	0.00051	0.00000	2.39	0.016	49	11.6	0.0		
SUM	2139.6	2137.3	2.3													543.4								7.332	2.433					188.0		
Average	76.4	76.3	0.5	56	56	7.3	6.6	6.7	0.8	229	126	7.7	222	174	67	19.4	21.2	17.9	16.7	4.9	4.1	383	80	0.26	0.09	2.94	0.050	43	12.5			

SEWER CONNECTIONS 148868 TIMES 4 = 595472 SEWER POPULATION IND. WASTER POPULATION EQ  
 148537 CUSTOMERS 406  
 FLOW 132280  
 BOD 237962  
 TSS 99913

Authorized Agent



Certification No. 29841

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Feb-26

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	76.69	23.75	29.52	5.83
Tanks in Service	2.00	8.0	8.0	4.0
Surface Area (Ft.2)	38500.00	69200.00	69200.00	34600.00
Volume (MG)	4.17	7.09	7.09	3.54
Weir Length (Ft.)	1430.00	2868.00	2868.00	1434.00
Avg. Weir Overflow (GPD/Ft)	53627.51	8281.33	10294.38	4064.05
Avg. Settling Rate (GPD/Ft2)	1991.88	466.02	542.15	265.13
Avg. Detention Time	1.30	7.16	5.76	14.60

AERATION TANKS	Battery A	Battery B	Battery C
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Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	32.25	37.52	9.17
Avg. Detention Time (Hours)	4.24	3.41	8.65

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.18

Remarks: BY-PASS REPORTS (See Attached)



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	WQTCMF	MORRIS FORMAN WQTC	OHIO RIVER	JEFFERSON

Facility Type	Facility ID	Facility Address	Receiving Stream	Discharge To
Sewer Treatment Plant	WQTCMF	4522 ALGONQUIN PKY	OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	4049160		2/2/2026 6:10:00 AM	KARDOLS	KARDOLS	REPAIRED - ISSUE RESOLVED	2/15/2026 12:00:00 AM	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE- WATERS	02/02/26 10:50 AM	

**Discharge Reporting:**

Discharge Amount:	10,820,000 GAL
Cause:	MECHANICAL FAILURE OF BUILDING HEAT CAUSED SUPPLY LINE OF BISULFITE LINE TO FREEZE.
Clean Up:	CLEANUP NOT POSSIBLE - DISCHARGE BELOW WATER SURFACE.
Control Zone:	PERMANENT SIGN IN PLACE – NO ADDITIONAL CONTROL ZONE SET UP.
Impact:	NO IMPACT OBSERVED - DISCHARGE BELOW WATER SURFACE.
Repair:	CHANGED STRAINER AND THAWED LINE.
Public Notification:	PERMANENT SIGN IN PLACE AND WEBSITE UPDATED.

**Notifications:**

2/2/26 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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**IMSAST0004**  
**Overflow Report**  
**2/1/2026 12:00:00 AM to 2/28/2026 12:00:00 AM**

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	WQTCMF	MORRIS FORMAN WQTC	OHIO RIVER	JEFFERSON

Facility Type	Facility ID	Facility Address	Receiving Stream	Discharge To
Sewer Treatment Plant	WQTCMF	4522 ALGONQUIN PKY	OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	4050751		2/15/2026 7:30:00 PM	BURCH	BURCH	REPAIRED - ISSUE RESOLVED	2/15/2026 12:00:00 AM	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATERS	02/16/26 07:44 AM	

**Discharge Reporting:**

Discharge Amount:	80,000 GAL
Cause:	BLOCKAGE IN DIGESTER 4.
Clean Up:	VACTORED AREA.
Control Zone:	BARRICADES PLACED ON SITE.
Impact:	SLUDGE ON THE GROUND.
Repair:	UNCLOGGED WITHDRAWAL LINE.
Public Notification:	PERMANENT SIGNS IN PLACE.

**Notifications:**

2/16/26 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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