



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

February 19, 2025

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 January 1st through January 31st, 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 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 1 and 2 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

Code	Parameter	Monitoring Location	Excursions	Frequency	Sample Type	Value	Permit Req.	Value	Permit Req.	Value	Permit Req.	Frequency	Sample Type	
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--		Sample = 56.18		= 57.98		03 - MGD		99/99 - Continuous	CN - Continuous	
						Permit Req. Req Mon MO AVG		Req Mon DAILY MX		03 - MGD		0	99/99 - Continuous	CN - Continuous
						Value NODI								
X 50060	Chlorine, total residual	1 - Effluent Gross	0	--		Sample = 0.201				19 - mg/L		01/01 - Daily	GR - Grab	
						Permit Req. <= 0.019 DAILY MX				19 - mg/L		01/01 - Daily	GR - Grab	
						Value NODI								
74055	Coliform, fecal general	1 - Effluent Gross	2	--		Sample = 13.0		= 24.0		13 - #/100mL		01/01 - Daily	GR - Grab	
						Permit Req. <= 1000.0 30DA GEO		<= 2000.0 7 DA GEO		13 - #/100mL	0	01/01 - Daily	GR - Grab	
						Value NODI								
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--		Sample = 86.0				23 - %		01/30 - Monthly	CA - Calculated	
						Permit Req. >= 85.0 MO MIN				23 - %	0	01/30 - Monthly	CA - Calculated	
						Value NODI								
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--		Sample = 55.0				23 - %		01/30 - Monthly	CA - Calculated	
						Permit Req. >= 85.0 MO MIN				23 - %	0	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

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
81011	Solids, suspended percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
50060	Chlorine, total residual	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
MFWQTCMOR012026.pdf	pdf	109240.0
Jan_26_Morris_Forman.pdf	pdf	11152.0
MFWQTCoverletter012026.pdf	pdf	45199.0

Report Last Saved By

Morris Forman WQTC MSD

User: BURCH@LOUISVILLEMSD.ORG
 Name: Robin Burch
 E-Mail: robin.burch@louisvillemsd.org
 Date/Time: 2026-02-19 10:19 (Time Zone: -05:00)

Report Last Signed By

User: ANTHONY1026.
 Name: Michael Scott
 E-Mail: mike.scott@louisvillemsd.org
 Date/Time: 2026-02-19 10:35 (Time Zone: -05:00)

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

Report Dates & Status			
Monitoring Period:	From 01/01/26 to 01/31/26	DMR Due Date:	02/28/26
Status:		NetDMR Validated	

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

Principal Executive Officer			
First Name:	James A.	Title:	Executive Director
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		
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	43.0	=	48.0	19 - mg/L	0	02/30 - Twice Per Month WH/DS - When Discharging	CP - Composite CP - Composite			
					Permit Req.										Req Mon MO AVG				Req Mon MX WK AV	19 - mg/L	
					Value NODI																
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	181.0	=	201.0	19 - mg/L	0	02/30 - Twice Per Month WH/DS - When Discharging	CP - Composite CP - Composite			
					Permit Req.														Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	76.0	=	104.0	19 - mg/L	0	02/30 - Twice Per Month WH/DS - When Discharging	CP - Composite CP - Composite			
					Permit Req.														Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L
					Value NODI																
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	118.0	=	148.0	19 - mg/L	0	02/30 - Twice Per Month WH/DS - When Discharging	CP - Composite 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	0	--	Sample						=	17.3	=	18.3	19 - mg/L	0	02/30 - Twice Per Month WH/DS - When Discharging	CP - Composite CP - Composite			
					Permit Req.														Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L
					Value NODI																
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	18.3	=	21.2	19 - mg/L	0	02/30 - Twice Per Month WH/DS - When Discharging	CP - Composite CP - Composite			
					Permit Req.														Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L
					Value NODI																
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	0.1	=	0.0	03 - MGD						0	02/30 - Twice Per 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: 2026-02-19 10:20 (Time Zone: -05:00)

Report Last Signed By

User: ANTHONY1026.
Name: Michael Scott
E-Mail: mike.scott@louisvillemsd.org
Date/Time: 2026-02-19 10:49 (Time Zone: -05:00)

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

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF January-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		CHLORINATION			FINAL EFFLUENT		
	Final	Sec.	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	final	prim.	final	final	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	Sludge Washed MG	Primary Sludge MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours
	Effluent	Effluent																														
1/1/26	56.16	56.16	0.00	61	61	7.2	6.4	3.5	0.1	158	25	8.5	182	118	15	20.0	17.2	14.4	14.8	6.8	5.8	459	72	0.0004	0.0039	2.37	0.016	4	13.8	0.0		
1/2/26	57.51	57.51	0.00	61	61	7.3	6.0	7.0	0.4	164	80	6.5	189	184	43	20.1	18.3	15.2	13.5	5.0	4.2	541	109	0.0716	0.0000	2.33	0.016	30	15.0	0.0		
1/3/26	56.52	56.52	0.00	61	61	7.4	6.7	7.0	0.2	168	48	5.9	175	167	20	20.3	18.3	15.5	12.1	3.5	3.0	610	179	0.0004	0.0000	2.29	0.016	4	17.8	0.0		
1/4/26	52.61	52.61	0.00	61	61	7.2	6.6	3.5	0.2	204	37	6.5	228	148	21	20.2	17.9	15.1	13.7	5.0	4.3	559	116	0.0004	0.0000	2.15	0.016	4	15.4	0.0		
1/5/26	55.43	55.43	0.00	61	61	7.3	6.6	5.2	0.1	208	30	6.1	169	150	16	20.1	16.4	13.9	14.3	5.3	4.5	485	92	0.1635	0.0764	2.24	0.016	4	18.0	0.0		
1/6/26	58.56	58.56	0.00	62	62	7.1	7.1	5.0	0.2	146	72	6.6	218	133	42	20.2	18.4	16.6	14.6	4.2	3.6	437	105	0.1005	0.0000	2.39	0.016	4	21.2	0.0		
1/7/26	55.41	55.41	0.00	62	62	7.2	6.6	1.5	1.0	104	130	9.5	267	197	46	19.7	18.1	15.2	12.0	4.8	4.1	423	97	0.1391	0.0848	2.44	0.016	4	19.8	0.0		
1/8/26	56.56	56.56	0.00	63	63	7.0	6.5	5.2	1.5	216	122	8.5	235	259	54	19.5	18.2	15.5	9.7	4.6	4.0	498	111	0.1535	0.0886	2.55	0.016	40	21.5	0.0		
1/9/26	66.80	66.80	0.00	62	62	7.0	6.5	10.0	10.0	380	256	7.6	467	329	110	19.8	18.2	15.2	9.9	4.6	3.8	371	83	0.1199	0.0511	3.01	0.016	12	19.6	0.0		
1/10/26	56.33	56.33	0.00	62	62	7.1	6.5	8.0	4.0	305	158	9.2	353	337	79	20.2	19.2	15.8	8.3	4.8	3.9	459	96	0.0005	0.0104	2.62	0.016	20	14.2	0.0		
1/11/26	51.75	51.75	0.00	61	61	7.1	6.6	4.0	5.5	169	225	9.2	200	194	93	20.7	19.0	17.0	8.1	4.8	4.2	512	106	0.0005	0.0278	2.44	0.016	4	11.7	0.0		
1/12/26	52.56	52.56	0.00	61	61	7.2	6.5	5.5	0.3	192	69	6.4	167	194	41	20.4	19.6	16.8	12.9	5.1	4.3	524	104	0.2291	0.0883	2.46	0.016	4	15.0	0.0		
1/13/26	55.37	55.37	0.00	62	62	7.1	6.6	6.5	0.2	164	93	8.4	291	230	35	20.4	18.9	16.2	10.9	4.7	4.1	631	135	0.3187	0.0935	2.59	0.016	12	21.7	0.0		
1/14/26	66.48	66.48	0.00	61	61	7.2	6.6	9.0	0.2	218	77	5.8	276	193	47	20.9	14.8	13.8	11.6	4.5	4.3	506	114	0.4314	0.1745	3.11	0.016	20	24.1	0.0		
1/15/26	55.85	55.85	0.00	61	61	7.3	6.6	6.0	1.0	222	141	6.1	293	193	78	21.3	19.3	17.7	10.3	4.8	4.4	520	108	0.4028	0.1909	2.61	0.021	20	19.4	0.0		
1/16/26	56.69	56.69	0.01	61	61	7.1	6.6	7.5	0.3	302	97	5.7	311	201	48	21.3	18.4	17.1	9.0	3.4	3.4	530	151	0.1815	0.1634	2.67	0.016	8	18.6	0.0		
1/17/26	48.41	48.41	0.00	60	60	7.1	6.5	7.5	0.2	222	76	5.4	226	199	37	21.4	18.8	17.3	8.3	4.0	4.5	523	106	0.0004	0.1198	2.53	0.016	16	15.6	0.0		
1/18/26	49.87	49.87	0.00	59	59	7.3	6.5	7.0	0.1	138	60	6.2	174	148	28	22.0	17.5	14.9	10.5	5.7	4.9	828	110	0.0004	0.0000	2.19	0.016	4	9.4	0.0		
1/19/26	51.77	51.77	0.00	59	59	7.3	6.0	7.5	0.2	240	35	7.1	225	163	19	22.1	15.3	12.2	11.8	4.1	3.1	548	132	0.1820	0.0162	2.30	0.016	7	13.2	0.0		
1/20/26	53.24	53.24	0.00	60	60	6.8	6.0	1.5	0.3	152	111	6.6	94	253	30	21.8	21.5	18.5	12.8	7.5	6.4	527	71	0.4798	0.1423	2.35	0.016	4	21.1	0.0		
1/21/26	59.94	59.94	0.00	61	61	7.2	6.6	7.5	0.2	210	90	7.8	314	272	48	21.8	17.2	14.8	8.6	5.5	4.7	549	101	0.7503	0.3286	2.64	0.016	4	25.2	0.0		
1/22/26	53.16	53.16	0.00	60	60	7.1	6.6	8.0	0.1	208	72	7.8	279	227	32	21.7	16.1	13.8	10.7	5.4	4.8	526	95	0.5637	0.2191	2.34	0.016	33	22.6	0.0		
1/23/26	51.93	51.93	0.00	59	59	7.0	6.6	4.5	0.1	184	76	6.0	371	311	44	21.7	15.4	13.6	11.0	3.3	2.9	550	167	0.2899	0.1094	2.29	0.016	26	22.1	0.0		
1/24/26	54.88	54.89	0.19	58	57	7.0	6.6	5.0	0.1	128	104	7.1	164	160	38	21.1	16.9	14.5	10.2	3.1	2.7	543	173	0.0004	0.1124	2.42	0.016	13	16.2	0.0		
1/25/26	55.03	55.03	0.00	57	56	7.2	6.8	6.0	0.3	142	36	9.0	123	139	24	20.9	17.9	15.2	16.0	2.8	2.5	414	147	0.0004	0.0873	2.43	0.016	20	11.3	0.0		
1/26/26	53.39	53.39	0.00	56	56	7.2	6.7	6.0	0.3	132	32	11.7	152	164	18	20.5	12.6	11.4	17.9	3.0	2.7	289	92	0.4472	0.0543	2.36	0.016	12	13.1	0.0		
1/27/26	56.72	56.72	0.00	56	56	7.1	6.8	7.5	0.2	192	44	6.1	138	119	25	20.5	9.5	8.0	23.2	1.9	1.6	257	101	0.5754	0.1267	2.20	0.016	17	14.8	0.0		
1/28/26	60.13	60.13	0.00	56	56	7.1	6.8	6.0	0.2	184	41	7.9	210	175	34	20.2	6.5	4.7	20.0	1.5	1.3	195	101	0.9129	0.1881	2.33	0.016	104	16.7	0.0		
1/29/26	61.46	61.46	0.00	56	56	7.2	6.8	7.5	0.2	226	45	13.3	258	218	47	19.9	7.0	6.0	19.5	1.7	1.4	183	98	0.8987	0.1391	2.38	0.016	164	19.8	0.0		
1/30/26	59.17	59.17	0.00	55	57	7.2	6.6	2.0	0.1	182	51	12.2	243	257	38	19.5	14.6	12.6	13.4	3.2	2.8	416	128	0.2680	0.1433	2.29	0.016	44	15.6	0.0		
1/31/26	62.07	62.07	0.00	55	55	7.2	6.7	3.5	0.1	183	106	10.2	389	337	74	19.6	14.3	12.3	11.6	3.0	2.6	482	147	0.0004	0.1313	1.18	0.016	96	11.2	0.0		
SUM	1741.9	1741.7	0.2														640.1								7.883	2.970					0.0	
Average	56.0	56.0	0.1	60	60	7.2	6.6	6.0	0.9	195	85	7.8	237	205	43	20.6	16.5	14.2	12.8	4.3	3.7	473	114	0.25	0.10	2.40	0.022	13	17.2	0.0		

SEWER CONNECTIONS

148888 TIMES 4 =

595472 SEWER POPULATION

IND. WASTER POPULATION EQ

CUSTOMERS 408

FLOW 384999

BOD 503223

TSS 284614

Authorized Agent



Certification No. 29841

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Jan-26

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	55.99	18.34	15.95	6.06
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)	39155.94	6393.91	5561.72	4222.62
Avg. Settling Rate (GPD/Ft2)	1454.36	387.83	354.09	279.93
Avg. Detention Time	1.79	9.28	10.66	14.05

AERATION TANKS

	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	26.84	24.50	9.69
Avg. Detention Time (Hours)	5.50	6.32	8.32

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.53

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 Manhole	118693	4121 LEE AVE	SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	4039671		1/5/2026 9:25:00 PM	WILLIAMS		QUEUED FOR INVESTIGATION / REPAIR	1/5/2026 12:00:00 AM	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE-WATERS	01/05/26 10:45 PM	MAIN

Discharge Reporting:

Discharge Amount:	2,000 GAL
Cause:	FURTHER INVESTIGATION REQUIRED.
Clean Up:	MSD PERSONNEL WILL CLEAN IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND IMPACTED AREA.
Impact:	SEWAGE AROUND MANHOLE.
Repair:	REFER TO CREW FOR TV INSPECTION.
Public Notification:	ADVISED CUSTOMER ONSITE.

Notifications:

1/6/26 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
----------------	--------	--