



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

June 14, 2024

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) Reports for the reporting period May 1st through May 31st, 2024, are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet permit for 30-day Fecal, 7-day Fecal, 30-day BOD, 7-day BOD, 30-day TSS, 7-day TSS, TSS and BOD percent removal reporting requirements.

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 and is being commissioned, Primary Sedimentation Basins rehab scheduled completion date is 9/25/25, A Dissolved Air Flotation Thickening (DAFT) rehabilitation design is being finalized, and lastly demolition has begun to make way for the Thermal Hydrolysis Process (THP).

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

Sincerely,



James Skinner
Treatment Facilities Manager

Format: Month/Day/Year
 Enter Start Date : 5/1/24

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF May-24
 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 MG	Primary Sludge MG	CHLORINATION		FINAL EFFLUENT						
	Final Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	prim. final	final	231	231	231	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	Chlorine Dosage KLBS	Resid mg/L	Fecal Collform #/100 ml	NH3-N mg/L	Pump. Hours		
																																MG	MG
5/1/24	88.90	88.90	0.00	69	69	6.7	6.2	4.5	2.2	280	268	3.3	346	219	231	28.3	19.8	17.0	1.9	7.3	6.3	272	38	0.1	0.1	1.98	0.016	60000	8.4	0			
5/2/24	78.06	78.06	0.00	71	71	6.7	6.3	3.5	0.2	260	192	3.1	410	381	173	26.8	18.6	16.2	0.5	4.6	4.0	259	63	0.4	0.2	1.73	0.016	60000	12.1	0			
5/3/24	99.99	99.99	0.00	69	69	6.9	6.4			500	136	3.3	248	263	149	26.4	21.7	18.8	2.3	7.1	5.8	219	33	0.4	0.1	2.24	0.016	60000	10.1	0			
5/4/24	98.05	98.05	0.00	71	71	6.7	6.3	3.0	3.5	104	292	6.9	81	224	162	26.7	22.3	19.3	4.3	5.2	4.6	234	48	0.0	0.1	2.01	0.016	60000	2.4	0			
5/5/24	93.10	93.10	0.00	71	71	7.1	6.4	1.3	1.3	82	212	2.5	113	123	111	26.5	18.3	15.7	8.9	4.6	4.0	219	47	0.0	0.1	2.74	0.016	286	2.8	0			
5/6/24	100.43	100.43	0.00	71	71	6.7	6.3	1.0	1.1	150	210	4.8	108	104	101	26.0	23.2	19.5	9.2	4.3	3.7	203	48	0.2	0.2	1.78	0.016	3200	3.2	0			
5/7/24	98.57	98.57	0.00	66	66	6.9	6.4	3.5	0.5	224	122	6.1	136	121	136	26.3	18.8	15.9	9.0	4.2	3.6	183	45	0.1	0.1	1.75	0.016	152	4.0	0			
5/8/24	104.77	104.77	0.00	71	71	6.9	6.5	3.8	0.1	212	120	4.6	246	146	60	25.5	24.8	20.8	5.7	4.5	3.8	193	43	0.5	0.2	1.80	0.016	128	6.9	8			
5/9/24	100.15	100.15	0.00	70	70	6.7	6.4	5.5	0.6	244	132	4.2	182	121	49	26.6	22.9	18.3	8.9	4.2	3.5	198	47	0.1	0.2	1.82	0.016	208	3.3	24			
5/10/24	100.70	100.70	0.00	69	69	7.0	6.4	8.5	0.5	344	126	4.6	449	267	87	27.0	19.2	16.1	3.0	4.3	3.6	209	50	0.0	0.1	1.59	0.016	144	3.8	24			
5/11/24	99.67	99.67	0.00	68	68	7.0	6.4	11.0	0.5	400	137	6.6	348	268	108	27.0	20.2	17.2	1.0	4.1	3.5	296	71	0.0	0.0	1.69	0.016	132	5.9	13			
5/12/24	99.33	99.33	0.00	69	69	7.0	6.4	5.0	0.2	166	114	4.1	174	153	56	27.0	21.1	17.8	0.9	4.6	3.9	278	60	0.0	0.0	1.59	0.016	65	3.0	0			
5/13/24	89.05	89.05	0.00	71	71	6.9	6.3	0.5	0.1	134	70	6.5	304	188	60	27.5	22.3	18.8	0.8	5.7	4.8	239	43	0.1	0.0	1.47	0.016	96	6.2	0			
5/14/24	92.81	92.81	0.00	69	69	6.8	6.4	3.9	0.5	326	120	6.2	350	306	69	27.1	21.5	18.1	0.6	7.4	6.2	274	37	0.4	0.2	1.62	0.016	236	12.7	0			
5/15/24	102.96	102.96	0.00	71	71	6.9	6.4	6.0	8.0	252	448	3.2	388	222	201	27.1	28.7	24.5	0.5	5.8	5.1	237	41	0.4	0.2	1.42	0.016	2500	11.6	0			
5/16/24	74.24	74.24	0.00	69	69	6.9	6.3	5.5	0.5	380	272	3.4	460	286	140	26.9	28.6	24.2	0.4	6.7	5.7	284	43	0.0	0.2	1.65	0.016	60000	11.2	0			
5/17/24	96.76	96.76	0.00	73	73	7.0	6.5	12.0	15.0	415	587	4.2	359	319	233	27.0	26.4	22.3	0.6	6.4	5.7	253	41	0.1	0.1	2.38	0.016	60000	12.2	0			
5/18/24	72.63	72.63	0.00	72	72	6.9	6.3	7.0	0.5	367	196	4.0	434	319	168	27.4	23.5	19.9	0.4	5.3	4.6	243	45	0.0	0.0	1.86	0.016	60000	7.7	0			
5/19/24	62.57	62.57	0.00	73	73	7.0	6.3	2.7	0.2	176	214	4.2	233	262	124	27.3	23.0	19.2	0.3	6.2	5.2	272	44	0.0	0.0	1.57	0.016	60000	8.6	0			
5/20/24	68.27	68.27	0.00	72	72	7.0	6.4	5.5	0.1	396	216	6.5	395	238	84	26.8	27.0	22.9	2.2	5.8	4.6	306	53	0.2	0.1	1.62	0.016	60000	11.6	0			
5/21/24	75.40	75.40	0.00	72	72	6.9	6.4	10.0	0.5	485	232	3.1	366	307	210	27.1	26.7	22.8	2.2	6.7	5.8	306	46	0.0	0.1	1.94	0.016	60000	14.6	0			
5/22/24	80.29	80.29	0.00	71	71	6.8	6.4	8.2	1.2	632	268	6.0	345	376	198	27.2	26.9	22.6	0.9	9.8	4.3	276	40	0.1	0.0	1.95	0.016	60000	17.0	0			
5/23/24	100.37	100.37	0.00	70	70	7.0	6.5	6.5	9.0	324	544	4.1	208	233	301	27.0	27.7	21.7	0.4	5.6	3.4	261	46	0.3	0.2	2.66	0.016	60000	9.1	0			
5/24/24	92.96	92.96	0.00	72	72	7.3	6.4	4.0	1.8	196	276	4.9	142	122	130	26.7	22.3	18.6	4.2	4.7	3.9	221	46	0.3	0.2	2.57	0.016	196	5.1	0			
5/25/24	97.56	97.56	0.00	71	71	7.0	6.5	4.0	3.0	206	320	4.8	249	203	141	26.7	23.0	19.1	1.5	5.1	4.2	271	55	0.0	0.1	2.45	0.016	59	2.9	0			
5/26/24	106.92	106.92	0.00	71	71	7.1	6.3	4.0	1.0	138	212	2.9	75	85	124	26.5	26.9	22.2	4.2	2.9	2.3	266	93	0.0	0.1	2.61	0.016	30	1.5	0			
5/27/24	102.59	102.59	0.00	72	72	6.8	6.3	1.5	0.2	128	156	4.9	50	62	76	26.4	24.6	19.1	16.2	4.6	3.9	203	55	0.0	0.1	2.18	0.016	4200	0.6	0			
5/28/24	94.81	94.81	0.00	69	69	7.1	6.7	4.5	0.1	206	45	5.3	145	103	30	25.1	27.1	22.1	13.0	4.9	4.1	188	38	0.0	0.1	1.92	0.016	20	2.0	0			
5/29/24	89.61	89.61	0.00	71	71	7.0	6.4	5.0	0.1	232	44	4.9	196	177	34	22.9	24.9	20.1	7.4	6.9	5.7	192	29	0.6	0.2	1.46	0.016	12	5.7	0			
5/30/24	87.90	87.90	0.00	71	71	6.7	6.4	5.1	0.1	368	102	6.1	311	233	81	23.2	31.3	25.6	1.7	6.3	5.1	249	41	0.3	0.2	1.34	0.016	32	10.0	0			
5/31/24	87.93	87.93	0.00	71	71	6.8	6.6	10.0	0.5	540	164	2.7	576	365	44	23.3	30.1	25.1	0.7	5.5	4.6	251	46	0.3	0.3	1.66	0.016	760	12.5	0			
SUM	2831.4	2831.4	0.0	70	70	6.9	6.4	5.2	1.8	286	211	4.6	272	218	125	819.2	26.4	24.0	20.1	3.7	5.5	4.5	244	48	4.2	3.1				70.2			
Average	91.4	91.4	0.0																														

SEWER CONNECTIONS 148842 TIMES 4 = 594568 SEWER POPULATION
 148537
 IND. WASTER POPULATION EQ CUSTOMERS 405
 FLOW 405 276359
 BOD 625416
 TSS 444234

Authorized Agent

Certification No. 29841

**Due to a lab error no SET data is available for 5/3/24

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of May-24
 Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	91.45	#NAME?	#NAME?	#NAME?
Tanks in Service	2.00	8.0	#NAME?	#NAME?
Surface Area (Ft.2)	38500.00	69200.00	#NAME?	#NAME?
Volume (MG)	4.17	7.09	#NAME?	#NAME?
Weir Length (Ft.)	1430.00	2868.00	#NAME?	#NAME?
Avg. Weir Overflow (GPD/Ft)	63949.18	#NAME?	#NAME?	#NAME?
Avg. Settling Rate (GPD/Ft2)	2375.26	#NAME?	#NAME?	#NAME?
Avg. Detention Time	1.09	#NAME?	#NAME?	#NAME?

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	#NAME?	#NAME?	#NAME?
Avg. Detention Time (Hours)	#NAME?	#NAME?	#NAME?

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	#NAME?
Volume (Gallons)	#NAME?
Avg. Detention Time (Hours)	#NAME?

Remarks: BY-PASS REPORTS (See Attached)

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:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

Report Dates & Status			
Monitoring Period:	From 05/01/24 to 05/31/24	DMR Due Date:	06/28/24
Status:		NetDMR Validated	

Considerations for Form Completion
G - INFLUENTE - SECONDARY EFFLUENT1 - FINAL EFFLUENT - Parameter 74055 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	2.5									19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.		>=	2.0 INST MIN								19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI														
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	97506.0	=	123587.0	26 - lb/d		=	129.0	=	169.0	19 - mg/L	2	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS
					Value NODI														
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	201303.0	=	249603.0	26 - lb/d		=	272.0	=	376.0	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	01/01 - Daily		CP - COMPOS	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.2					=	6.7		12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.		>=	6.0 MINIMUM				<=	9.0 MAXIMUM		12 - SU		01/01 - Daily	GR - GRAB	
					Value NODI														
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	179542.0	=	229074.0	26 - lb/d		=	237.0	=	297.0	19 - mg/L	2	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	213665.0	=	233024.0	26 - lb/d		=	286.0	=	353.0	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	01/01 - Daily		CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	--	Sample	=	5477.0	=	7622.0	26 - lb/d		=	7.5	=	11.4	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	20.0 MO AVG	<=	30.0 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	6558.0	=	7725.0	26 - lb/d		=	8.8	=	10.2	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	01/01 - Daily		CP - COMPOS	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	91.33	=	97.21	03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD						99/99 - Continuous		CN - CONTIN	
					Value NODI														
					Sample							<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB		

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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 05/01/24 to 05/31/24	DMR Due Date:	06/28/24
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												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	WH/DS - When Discharging	CP - COMPOS
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	WH/DS - When Discharging	CP - COMPOS
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	WH/DS - When Discharging	CP - COMPOS
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	WH/DS - When Discharging	CP - COMPOS
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	WH/DS - When Discharging	CP - COMPOS
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample												Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	WH/DS - When Discharging	CP - COMPOS
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample												Req Mon MO AVG	Req Mon MX WK AV	03 - MGD	WH/DS - When Discharging	CN - CONTIN
					Permit Req.																
					Value NODI												C - No Discharge	C - No Discharge			

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
Due to construction on plant limiting influent capacity, no secondary bypass occurred during the month of May 2024.

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: AJOP1117
Name: Amber Pauly
E-Mail: amber.pauly@louisvillemsd.org
Date/Time: 2024-06-17 08:21 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG
Name: James skinner
E-Mail: james.skinner@louisvillemsd.org
Date/Time: 2024-06-17 10:56 (Time Zone: -04:00)

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 05/01/24 to 05/31/24	DMR Due Date:	06/28/24
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															
					Permit Req.															
					Value NODI															
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample															
					Permit Req.															
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample															
					Permit Req.															
					Value NODI															
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample															
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample															
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample															
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample															
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
					Value NODI		C - No Discharge		C - No Discharge											

Submission Note
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Edit Check Errors
No errors.

Comments
Due to construction on plant limiting influent capacity, no secondary bypass occurred during the month of May 2024.

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: AJOP1117
Name: Amber Pauly
E-Mail: amber.pauly@louisvillemsd.org
Date/Time: 2024-06-17 08:21 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG
Name: James skinner
E-Mail: james.skinner@louisvillemsd.org
Date/Time: 2024-06-17 10:56 (Time Zone: -04:00)



IMSAST0004
Overflow Report
5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	26752	3317 BROWNSBORO RD	MORRIS FORMAN	MUDDY FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3798288		5/22/2024 8:15:00 PM	DAVIS BROWN		DOCUMENTED	1/14/2013 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/22/24 09:15 PM	MAIN

Discharge Reporting:

Discharge Amount:	900 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED. MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING.
Impact:	NONE OBSERVED DURING SITE INSPECTION. OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

5/23/24 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
5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	28452	3402 CHARLANE PKY	MORRIS FORMAN	CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3795436		5/6/2024 6:50:00 PM	DAVIS BROWN	BAILEY	DOCUMENTED	11/30/2019 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/07/24 04:13 AM	MAIN

Discharge Reporting:

Discharge Amount:	563 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3795485
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

5/7/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/7/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	28452	3402 CHARLANE PKY	MORRIS FORMAN	CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3798655		5/27/2024 2:15:00 AM	DAVIS BROWN	BAILEY	DOCUMENTED	11/30/2019 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/27/24 06:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	90,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3798657.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

5/27/24 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
5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM**

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	28453	3402 CHARLANE PKY	MORRIS FORMAN	CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3795437		5/6/2024 5:45:00 PM	DAVIS BROWN	BAILEY	DOCUMENTED	10/28/2015 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/06/24 07:00 PM	MAIN

Discharge Reporting:

Discharge Amount:	1,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3794586
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

5/7/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/7/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	28453	3402 CHARLANE PKY	MORRIS FORMAN	CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3798654		5/27/2024 2:15:00 AM	DAVIS BROWN	BAILEY	DOCUMENTED	10/28/2015 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/27/24 06:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	90,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3798656.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

5/27/24 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
5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	IS021A-SI	1201 OLD CANNONS LN	MORRIS FORMAN	MIDDLE FORK BEARGRASS CREEK	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	3795439		5/6/2024 3:30:00 PM	DAVIS BROWN		DOCUMENTED	8/1/1969 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/06/24 11:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	311,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERGROUND, DIRECTLY INTO STREAM.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NONE OBSERVED OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

5/7/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
5/7/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Manhole	IS021A-SI	1201 OLD CANNONS LN	MORRIS FORMAN	MIDDLE FORK BEARGRASS CREEK	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	3798285		5/22/2024 10:00:00 PM	DAVIS BROWN		DOCUMENTED	8/1/1969 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	05/23/24 02:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	800,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERGROUND, DIRECTLY INTO STREAM.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO THE SIZE OF THE CREEK AND DIFFICULTY ACCESSING DISCHARGE AREAS.
Impact:	NONE OBSERVED OVERFLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

5/23/24 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
5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To
Sewer Treatment Plant	MSD0278	4522 ALGONQUIN PKY	MORRIS FORMAN	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	3798513		5/24/2024 2:15:00 PM	BURDIN		REPAIRED - ISSUE RESOLVED	5/24/2024 12:00:00 AM	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATERS	05/24/24 03:09 PM	

Discharge Reporting:

Discharge Amount:	30,000 GAL
Cause:	BYPASS AT WASTEWATER TREATMENT PLANT.
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PERMANENT SIGN IN PLACE – NO ADDITIONAL CONTROL ZONE SET UP.
Impact:	FACILITY UNDER ELEVATED CREEK LEVEL (SUBMERGED PIPE).
Repair:	REPAIRED THE POWER TO WEST HEADWORKS, WO.
Public Notification:	NO ADDITIONAL PUBLIC NOTIFICATION.

Notifications:

5/25/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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