



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

July 17, 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

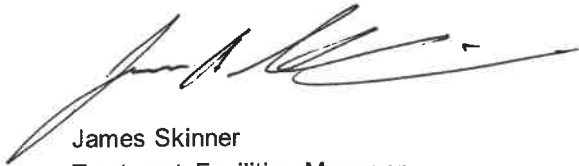
Dear Ms. Dennis:

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 June 1st through June 30th, 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 : 6/1/24

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF June-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		CHLORINATION			FINAL EFFLUENT		
	Final Effluent	Sec. Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	final	final	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	Sludge Wasted MG	Primary Sludge MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours	
																															mg/L
6/1/24	85.13	85.13	0.00	71	71	7.0	6.5	0.2	0.1	104	168	5.5	195	263	168	24.0	27.4	22.5	0.6	4.1	3.3	222	54	0.00	0.12	1.72	0.016	560	8	0	
6/2/24	86.33	86.33	0.00	71	71	7.1	6.4	8.0	1.5	292	196	3.3	158	172	140	24.2	29.7	25.0	1.0	6.6	5.5	313	49	0.00	0.08	1.43	0.016	2800	5	0	
6/3/24	90.33	90.33	0.00	76	76	7.0	6.2	1.8	0.1	288	108	3.6	273	220	116	23.3	25.5	20.9	1.5	6.1	4.8	267	46	0.04	0.08	1.64	0.016	88	6	0	
6/4/24	88.55	88.55	0.00	74	74	6.7	6.6	6.0	0.7	306	224	5.0	307	272	170	22.7	23.5	19.4	0.5	4.9	4.0	213	43	0.37	0.20	0.91	0.016	60000	14	0	
6/5/24	100.72	100.72	0.00	75	75	6.6	6.4	7.0	2.0	396	324	3.7	344	186	154	22.6	26.7	20.8	0.5	4.1	2.7	232	56	0.17	0.17	3.08	0.016	60000	10	0	
6/6/24	95.50	95.50	0.00	75	75	6.8	6.4	10.0	1.0	368	296	3.9	335	244	161	22.2	27.3	22.5	0.4	5.0	4.2	212	42	0.36	0.37	1.40	0.016	60000	12	0	
6/7/24	83.88	83.88	0.00	74	74	6.8	6.5	11.0	0.3	388	133	2.9	460	339	174	22.7	17.1	14.2	0.5	3.3	2.8	202	63	0.23	0.12	1.83	0.016	60000	10	0	
6/8/24	73.95	73.95	0.00	72	72	6.9	6.3	6.0	0.3	266	156	4.4	265	399	179	22.6	20.7	17.3	0.4	3.2	2.9	219	113	0.00	0.01	1.73	0.016	60000	9	0	
6/9/24	68.73	68.73	0.00	73	73	7.1	6.5	7.0	0.1	158	126	4.1	170	204	97	22.3	22.5	19.6	0.5	5.3	4.4	210	40	0.00	0.00	1.70	0.016	60000	8	0	
6/10/24	70.29	70.29	0.00	72	72	7.0	6.4	7.5	0.3	312	166	4.0	291	218	128	23.6	26.0	21.3	0.8	5.7	4.6	253	44	0.00	0.00	1.72	0.016	140	11	0	
6/11/24	66.26	66.26	0.00	71	71	7.0	6.5	9.0	6.5	368	420	4.2	353	298	184	24.1	23.6	19.4	1.0	5.3	4.4	253	48	0.24	0.16	1.66	0.016	60000	17	0	
6/12/24	66.51	66.51	0.00	73	73	6.8	6.5	4.0	0.2	228	196	4.0	366	337	177	23.1	23.6	19.6	0.5	5.6	4.5	271	48	0.47	0.22	0.87	0.016	60000	18	0	
6/13/24	67.39	67.39	0.00	74	74	6.7	6.4	0.1	0.1	102	152	6.3	308	392	185		23.9	20.3	0.8	5.5	4.7	248	45			0.016	60000	19	0		
6/14/24	67.31	67.31	0.00	76	76	6.7	6.2	10.5	0.7	520	252	6.0	540	439	270		27.3	22.9	1.5	5.5	4.5	276	51			0.016	60000	21	0		
6/15/24	60.92	60.92	0.00	77	77	7.0	6.1	9.0	4.5	424	460	5.1	366	410	319		26.8	22.5	0.9	8.9	7.5	273	31			0.016	60000	18	0		
6/16/24	60.62	60.62	0.00	77	77	7.1	6.4	7.4	0.4	214	182	5.5	149	175	126		24.6	20.5	0.9	6.2	5.1	290	46			0.016	3700	9	0		
6/17/24	66.03	66.03	0.00	77	77	6.9	6.4	9.0	0.3	334	134	6.3	268	218	107		27.1	22.8	1.2	6.4	5.3	303	47			0.016	26	13	0		
6/18/24	66.79	66.79	0.00	79	79	6.7	6.5	3.0	0.5	360	207	6.6	449	362	193	22.4	21.5	18.1	1.1	5.3	4.5	287	54	0.42	0.26	2.43	0.016	60000	22	0	
6/19/24	66.24	66.24	0.00	79	79	6.7	6.4	1.4	0.1	206	130	6.9	403	446	203	22.4	25.3	21.5	0.7	6.3	5.4	321	52	0.39	0.25	1.76	0.016	60000	21	0	
6/20/24	63.64	63.64	0.00	79	79	6.9	6.2	1.5	0.1	190	128	6.0	406	432	289	22.3	23.4	19.7	0.4	5.1	4.2	247	48	0.54	0.29	1.72	0.016	60000	24	0	
6/21/24	61.42	61.42	0.00	81	81	6.8	6.3	7.0	0.5	232	216	3.7	397	378	244	22.2	26.2	22.1	0.3	6.7	5.7	281	44	0.46	0.34	1.65	0.016	60000	26	0	
6/22/24	59.17	59.17	0.00	80	80	7.1	6.4	8.0	0.4	300	200	3.5	301	266	180	22.7	23.9	20.4	0.3	3.2	2.8	299	102	0.00	0.21	1.60	0.016	60000	18	0	
6/23/24	61.25	61.25	0.00	77	77	6.9	6.6	9.0	0.3	262	165	3.3	235	222	145	23.0	24.7	21.0	0.3	5.4	4.6	288	52	0.00	0.00	1.65	0.016	60000	13	0	
6/24/24	60.04	60.04	0.00	78	78	6.9	6.4	7.5	0.1	302	106	3.3	253	179	94	23.1	20.3	17.2	0.4	5.9	4.9	282	48	0.36	0.20	1.76	0.016	760	15	0	
6/25/24	73.29	73.29	0.00	79	79	6.8	6.4	9.5	0.3	468	124	3.9	341	258	105	22.7	21.5	18.5	1.1	6.1	5.3	293	49	0.65	0.26	1.99	0.016	24	20	0	
6/26/24	84.85	84.85	0.00	77	77	6.9	6.4	7.5	0.4	300	231	3.7	132	117	136	22.2	24.3	20.8	2.9	4.4	3.7	243	55	0.46	0.25	2.56	0.016	208	12	0	
6/27/24	95.83	95.83	0.00	76	76	7.1	6.3	4.0	0.3	214	110	6.3	109	111	55	22.2	22.9	19.4	11.5	4.6	3.8	219	103	0.15	0.27	2.73	0.016	55	6	0	
6/28/24	91.28	91.28	0.00	77	77	7.1	6.4	3.5	0.2	198	51	5.4	162	111	39	22.1	22.7	19.0	11.2	5.0	4.0	219	43	0.29	0.30	2.18	0.016	140	8	0	
6/29/24	77.25	77.25	0.00	79	79	6.9	6.2	9.5	0.1	445	40	5.5	224	163	31	22.4	21.6	17.8	7.1	5.1	4.0	224	43	0.00	0.13	1.93	0.016	62	4	0	
6/30/24	67.38	67.38	0.00	80	80	7.0	6.3	9.0	0.1	394	23	5.1	307	203	30	22.2	21.0	17.5	2.3	5.7	4.8	293	51	0.00	0.07	1.58	0.016	400	4	0	
SUM	2226.9	2226.9	0.0												569.3																0.0
Average	74.2	74.2	0.0	75.9	75.9	6.9	6.4	6.5	0.8	298	181	4.7	296	288	153	22.8	24.1	20.2	1.8	5.3	4.4	259	54	0.2	0.2	1.81	0.016	5151	13		

SEWER CONNECTIONS 148661 TIMES 4 = 148537
 594644 SEWER POPULATION
 IND. WASTER POPULATION EQ CUSTOMERS 405
 FLOW 405 112302
 BOD 481693
 TSS 263751

Authorized Agent

Certification No. 29841

**A PLC error resulted in flow data being lost for WAS,RAS, Primary, and Secondary parts of the plant from 6/13/24 to 6/17/2024.

MORRIS FORMAN WASTEWATER TREATMENT PLANT JEFFERSON COUNTY, KY

Month of Jun-24

Average Flow

SETTLING TANKS	Primary	Secondary		
	Battery A	Battery B	Battery C	

Average Flow	74.23	23.42	21.05	9.24
Tanks in Service	2.00	8.0	6.5	3.8
Surface Area	38500.00	69200.00	55953.12	32901.52
Volume (MG)	4.17	7.09	5.73	3.37
Weir Length	1430.00	2868.00	2318.98	1363.61
Avg. Weir Capacity	51908.62	8166.61	9076.77	6774.04
Avg. Settling Rate	1928.03	490.07	525.82	400.65
Avg. Detention Time	1.35	7.26	6.53	8.76

AERATION TANKS	Battery A	Battery B	Battery C
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Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	33.91	29.42	13.18
Avg. Detention Time (H)	4.30	4.79	5.46

CHLORINE CONTACT CHAMBERS

Contact Capacity	2.0
Volume (G)	2340000
Avg. Detention Time	1.20

Remarks: BY-PASS REPORTS (See Attached)

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Permit																			
Permit #: KY0022411		Permittee: Morris Forman WQTC MSD				Facility: MORRIS FORMAN WQTC MSD													
Major: Yes		Permittee Address: 700 W Liberty St Louisville, KY 40203				Facility Location: 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211													
Permitted Feature: 001 External Outfall		Discharge: 001-1 MUNICIPAL DISCHARGE																	
Report Dates & Status																			
Monitoring Period: From 06/01/24 to 06/30/24				DMR Due Date: 07/28/24				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				Telephone: 502-540-6000											
Last Name: Parrott																			
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	=	2.9									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	=	88977.0	=	110327.0	26 - lb/d		=	148.0	=	206.0	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	=	179760.0	=	223167.0	26 - lb/d		=	296.0	=	348.0	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	=	6.1					=	6.6			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	=	116451.0	=	162051.0	26 - lb/d		=	190.0	=	240.0	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	=	184789.0	=	232028.0	26 - lb/d		=	298.0	=	306.0	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	=	8303.0	=	10660.0	26 - lb/d		=	14.0	=	20.0	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	=	7449.0	=	8513.0	26 - lb/d		=	12.5	=	16.1	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	=	74.23	=	90.06	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

50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.														0.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
					Value NODI																		
X 74055	Coliform, fecal general	1 - Effluent Gross	1	--	Sample					=	5151.0	=	25243.0		13 - #/100mL							01/01 - Daily	GR - GRAB
					Permit Req.					<=	200.0 30DA GEO	<=	400.0 7 DA GEO		13 - #/100mL						2	01/01 - Daily	GR - GRAB
					Value NODI																		
X 81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	50.0				23 - %							01/30 - Monthly	CA - CALCTD
					Permit Req.					>=	85.0 MO MIN				23 - %						1	01/30 - Monthly	CA - CALCTD
					Value NODI																		
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	36.0				23 - %							01/30 - Monthly	CA - CALCTD
					Permit Req.					>=	85.0 MO MIN				23 - %						1	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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
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
81010	BOD, 5-day, 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
74055	Coliform, fecal general	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
74055	Coliform, fecal general	1 - Effluent Gross	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
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
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
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

Comments

Attachments

Name	Type	Size
MFWQTCJune2024DMRCoverLetter.pdf	pdf	46170.0
MFWQTCMOR06024.pdf	pdf	122832.0
June2024MorrisFormanDischarge.pdf	pdf	105372.0

Report Last Saved By

Morris Forman WQTC MSD

User: SKINNER@LOUISVILLEMSD.ORG
 Name: James skinner
 E-Mail: james.skinner@louisvillemmsd.org
 Date/Time: 2024-07-18 06:23 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG
 Name: James skinner
 E-Mail: james.skinner@louisvillemmsd.org
 Date/Time: 2024-07-18 06:23 (Time Zone: -04:00)

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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-Y BIOMONITORING/ONCE PER QUARTER
Facility:		Facility Location:	MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

Report Dates & Status			
Monitoring Period:	From 04/01/24 to 06/30/24	DMR Due Date:	07/28/24
Status:	NetDMR Validated		
Considerations for Form Completion			

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	Sample	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			
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	416.0	=	416.0	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.158	=	0.158	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI													
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample								<	1.0	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2	
					Permit Req.							<=	1.0 DAILY MX	2F - tox acute				
					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: AJOP1117
Name: Amber Pauly
E-Mail: amber.pauly@louisvillemmsd.org
Date/Time: 2024-07-17 14:08 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG
Name: James skinner
E-Mail: james.skinner@louisvillemmsd.org
Date/Time: 2024-07-18 06:27 (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.

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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 06/01/24 to 06/30/24	DMR Due Date:	07/28/24
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
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
No Secondary Bypass in June due to construction project limiting plant capacity.

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: AJOP1117
Name: Amber Pauly
E-Mail: amber.pauly@louisvillemsd.org
Date/Time: 2024-07-17 10:11 (Time Zone: -04:00)

Report Last Signed By

User: SKINNER@LOUISVILLEMSD.ORG
Name: James skinner
E-Mail: james.skinner@louisvillemsd.org
Date/Time: 2024-07-18 06:25 (Time Zone: -04:00)



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	08935-SM	1001 BRECKENRIDGE 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	3813902		6/26/2024 7:30:00 PM	DAVIS BROWN		DOCUMENTED	11/29/2001 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 01:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	200,000 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:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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	27008	1044 ALTA VISTA RD	MORRIS FORMAN	MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3813904		6/26/2024 8:40:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	7/1/2003 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 07:35 AM	MAIN

Discharge Reporting:

Discharge Amount:	82,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	RESET SHIFTED MANHOLE LID. NO VISIBLE SIGNS OF DEBRIS ON OR AROUND MANHOLD.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Impact:	MANHOLE DISCHARGE. UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Repair:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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	27012	2408 GRAY FOX RD	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	3813903		6/26/2024 8:40:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	3/9/2019 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 07:35 AM	MAIN

Discharge Reporting:

Discharge Amount:	825,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	RESET SHIFTED MANHOLE LID. NO VISIBLE SIGNS OF DEBRIS ON OR AROUND MANHOLD.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Impact:	MANHOLE DISCHARGE. UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Repair:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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	45796	1011 ALTA CIR	MORRIS FORMAN	MIDDLE 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	3813905		6/26/2024 8:55:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	5/10/2014 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 07:55 AM	MAIN

Discharge Reporting:

Discharge Amount:	198,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	RESET SHIFTED MANHOLE LID. NO VISIBLE SIGNS OF DEBRIS ON OR AROUND MANHOLD.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Impact:	MANHOLE DISCHARGE. UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Repair:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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	47582	201 BULLITT 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	3813906		6/26/2024 9:35:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	12/5/2011 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 08:30 AM	MAIN

Discharge Reporting:

Discharge Amount:	49,500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3813985.
Control Zone:	WATER HAS RECEDED. CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGE. UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Repair:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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	47583	202 OXMOOR 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	3813907		6/26/2024 9:35:00 PM	DAVIS BROWN	FIELDS	DOCUMENTED	2/6/2008 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 08:50 AM	MAIN

Discharge Reporting:

Discharge Amount:	198,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3813986.
Control Zone:	WATER HAS RECEEDED. CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGE. UNABLE TO ACCESS DISCHARGE SITE DUE TO FLOODING.
Repair:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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	3813901		6/26/2024 6:30:00 PM	DAVIS BROWN		DOCUMENTED	8/1/1969 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	06/27/24 02:30 AM	MAIN

Discharge Reporting:

Discharge Amount:	1,400,000 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:	LOCATION INCLUDED IN IOAP.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:

6/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/27/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



IMSAST0004
Overflow Report
6/1/2024 12:00:00 AM to 6/30/2024 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
DISDW: DRY WEATHER DISCHARGE	3801777		6/17/2024 10:00:00 AM	SPEAKER		REPAIRED - ISSUE RESOLVED	6/17/2024 12:00:00 AM	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE- WATERS	06/17/24 10:10 AM	

Discharge Reporting:

Discharge Amount:	450,000 GAL
Cause:	PLC COMMUNICATION FAILURE.
Clean Up:	PIPE DISCHARGED SUBMERGE- NO CLEANUP.
Control Zone:	PIPE DISCHARGE SUBMERGED NO CONTROL ZONE.
Impact:	NO VISUAL IMPACT- PIPE DISCHARGE SUBMERGED.
Repair:	RESTORED COMMUNICATIONS WO#3801774.
Public Notification:	PERMANENT SIGNS.

Notifications:

6/18/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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