



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

January 14, 2019

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 December 1st to December 31st 2018 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet 30 day TSS, 7 day TSS, 30 day BOD, 7 day BOD, TSS and BOD Percent Removal for the reporting period.

Compromised solids handling equipment is contributing to the exceedances. MFWQTC continues to employ additional solids processing methods: 24 hour dewatered cake and an outside vendor to assist with solids handling in addition to purchasing additional Liquid Oxygen in an effort to meet permit requirements.

Quarterly Acute Toxicity testing was performed January 3, 2019 on the final effluent with a passing result.

Should you have any questions, please contact me at (502) 540-6793.

Sincerely,

Alex E. Novak, P.E.
Treatment Facilities Director

DMR Copy of Record

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 12/01/18 to 12/31/18	DMR Due Date:	01/28/19	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	=	2.6				=	19	mg/L			0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	2 INST MIN										01/01 - Daily	GR - GRAB	
					Value NODI														
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	66158	=	120189	26 - lb/d	=	89	=	194	19 - mg/L		01/01 - Daily	CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	1	01/01 - Daily	CP - COMPOS
					Value NODI														
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	240156	=	310383	26 - lb/d	=	298	=	453	19 - mg/L		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	0	01/01 - Daily	CP - COMPOS
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.2				=	7		12 - SU			01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM					<=	9 MAXIMUM	12 - SU		0	01/01 - Daily	GR - GRAB	
					Value NODI														
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	130238	=	250388	26 - lb/d	=	174	=	402	19 - mg/L		01/01 - Daily	CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	1	01/01 - Daily	CP - COMPOS
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	282215	=	336112	26 - lb/d	=	340	=	477	19 - mg/L		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	0	01/01 - Daily	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	--	Sample	=	6277	=	8092	26 - lb/d	=	8.7	=	12.8	19 - mg/L		01/01 - Daily	CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPOS
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	7908	=	9167	26 - lb/d	=	10.1	=	14.9	19 - mg/L		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	0	01/01 - Daily	CP - COMPOS
					Value NODI														
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	91.55	=	126.83	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB	
					Permit Req.								<=	0.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	2	--	Sample							=	134	=	278	13 - #/100mL		01/01 - Daily	GR - GRAB
					Permit Req.							<=	1000 30DA GEO	<=	2000 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - GRAB
					Value NODI														
X 81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	70				23 - %		01/30 - Monthly	CA - CALCTD	
					Permit Req.					>=	85 MO MIN				23 - %	1	01/30 - Monthly	CA - CALCTD	
					Value NODI														
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	49				23 - %		01/30 - Monthly	CA - CALCTD	
					Permit Req.					>=	85 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						
Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge

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. (Error Code: 1)	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. (Error Code: 1)	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. (Error Code: 1)	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. (Error Code: 1)	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. (Error Code: 1)	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. (Error Code: 1)	Yes

Comments

Attachments

Name	Type	Size
December2018_OverflowReport_MorrisForman.pdf	pdf	159399
MFWQTCoverletter122018.pdf	pdf	30774
MFWQTCMOR122018.pdf	pdf	93755

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-01-22 12:03 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-01-22 12:03 (Time Zone: -05:00)

DMR Copy of Record

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-Y BIOMONITORING/ONCE PER QUARTER		

Report Dates & Status

Monitoring Period:	From 10/01/18 to 12/31/18	DMR Due Date:	01/28/19	Status:	NetDMR Validated
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Considerations for Form Completion

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
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	305		=	305	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Permit Req.						Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01025	Cadmium, dissolved [as Cd]	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	01/90 - Quarterly	CP - COMPOS	
					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	01/90 - Quarterly	CP - COMPOS	
					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	01/90 - Quarterly	CP - COMPOS	
					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	01/90 - Quarterly	CP - COMPOS	
					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	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01113	Cadmium, 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	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01114	Lead, 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	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.042		=	0.042	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Permit Req.						Req Mon MO AVG			Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Value NODI													
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2
					Permit Req.									<=	1 DAILY MX	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2
					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: kessel@louisvillemad.org
 Name: John Kessel
 E-Mail: kessel@louisvillemad.org

Date/Time: 2019-01-22 11:59 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Date/Time: 2019-01-22 12:03 (Time Zone: -05:00)

01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.069	=	0.167	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01094	Zinc, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.128	=	0.224	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.00028	=	0.00045	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01113	Cadmium, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01114	Lead, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01118	Chromium, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.02	=	0.068	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
01119	Copper, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.049	=	0.09	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
03582	Oil and grease	1 - Effluent Gross	0	--	Sample	<	2	<	2	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
					Value NODI							
03582	Oil and grease	G - Raw Sewage Influent	0	--	Sample		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		E - Analysis Not Conducted/No Sample		E - Analysis Not Conducted/No Sample			
					Value NODI							
34043	Phenolics, total	1 - Effluent Gross	0	--	Sample	<	0.02	<	0.02	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
					Value NODI							
34043	Phenolics, total	G - Raw Sewage Influent	0	--	Sample	=	0.086	=	0.086	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	GR - GRAB
					Value NODI							
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.000015	=	0.000015	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
71901	Mercury, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.0000641	=	0.0000641	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
78247	Chromium, hexavalent tot recoverable	1 - Effluent Gross	0	--	Sample	<	0.005	<	0.005	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					Value NODI							
78247	Chromium, hexavalent tot recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.005	<	0.005	19 - mg/L	01/YR - Annual	CP - COMPOS
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/YR - Annual	CP - COMPOS
					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

Did not sample Influent - Oil & Grease. NODI- E entered.

Attachments

No attachments.

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-01-25 10:50 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org
Name: John Kessel
E-Mail: kessel@louisvillemsd.org
Date/Time: 2019-01-25 10:50 (Time Zone: -05:00)

DMR Copy of Record

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 12/01/18 to 12/31/18	DMR Due Date:	01/28/19
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			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	185	=	408	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L 0		
					Value NODI												
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	177	=	411	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	302	=	636	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	164	=	360	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	8.6	=	18.5	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	10.4	=	21.2	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L 0		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	32.1	=	46.83	03 - MGD					99/99 - Continuous WH/DS - When Discharging	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0
					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: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-01-22 12:01 (Time Zone: -05:00)

Report Last Signed By
 User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-01-22 12:03 (Time Zone: -05:00)

Format: Month/Day/Year
Enter Start Date: 12/1/18

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY December-18
 KPDES PERMIT NO. KY0022411 PLANT CAPACITY - 120 MGD RECEIVING STREAM-OHIO RIVER

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (M/L)		TSS (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	raw	prim. 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	
12/1/18	131.07	108.50	22.57	60	60	7.0	6.3	7.8	52.0	448	1320	204	157	635	25.0	20.6	17.6	2.6	10.1	8.6	219	22	1.36	0.13	6.52	0.016	15	9.8	24.0	
12/2/18	126.08	119.09	6.99	60	60	6.8	6.4	2.5	4.0	188	217	190	162	118	25.3	19.1	16.4	7.3	10.3	8.7	163	16	1.34	0.11	5.61	0.016	880	1.6	24.0	
12/3/18	122.95	115.36	7.59	59	59	7.0	6.6	10.0	2.0	748	138	272	173	85	25.3	18.8	16.0	5.5	2.7	2.3	161	58	1.35	0.11	5.29	0.016	38	3.2	24.0	
12/4/18	79.32	79.32	0.00	60	60	6.7	6.4	9.5	0.3	308	30	363	220	22	25.1	17.8	15.2	4.9	7.3	6.3	266	37	1.37	0.10	2.88	0.016	3850	2.6	24.0	
12/5/18	84.28	84.28	0.00	57	57	7.0	6.3	13.0	0.3	337	37	287	350	30	25.1	18.5	15.6	6.2	4.5	3.8	279	61	1.36	0.29	2.44	0.016	740	5.2	24.0	
12/6/18	75.77	75.77	0.00	59	59	6.8	6.4	11.0	1.5	360	135	412	363	88	25.1	18.7	15.8	4.8	4.2	3.7	289	68	1.30	0.28	2.09	0.016	320	6.8	24.0	
12/7/18	73.43	73.43	0.00	61	61	6.8	6.2	18.0	0.3	376	56	455	424	48	25.3	19.3	16.7	5.5	5.4	4.7	378	68	1.35	0.25	2.49	0.016	284	7.1	24.0	
12/8/18	75.56	75.56	0.00	60	60	6.8	6.5	14.8	4.1	420	280	272	382	195	25.2	20.5	17.5	5.8	5.7	4.9	379	40	1.37	0.11	3.89	0.016	7	7.1	24.0	
12/9/18	71.71	71.71	0.00	58	58	7.0	6.8	15.5	6.0	400	268	376	251	148	25.3	19.4	16.7	6.5	4.8	4.1	382	78	1.05	0.16	3.07	0.016	79	8.4	12.2	
12/10/18	68.32	68.32	0.00	58	58	7.1	6.5	18.5	7.0	472	316	392	285	162	25.7	19.0	16.3	5.1	5.1	4.5	391	73	1.35	0.41	2.99	0.016	65	12.1	0.0	
12/11/18	69.62	69.62	0.00	63	63	7.0	6.5	29.5	10.0	496	372	559	372	206	25.7	18.8	15.7	4.6	5.4	4.6	409	72	1.37	0.33	3.37	0.016	79	16.8	0.0	
12/12/18	70.16	70.16	0.00	59	59	7.0	6.3	11.0	3.5	400	220	503	343	117	25.6	19.3	16.5	6.5	7.1	6.0	300	41	1.37	0.32	2.98	0.016	174	15.2	0.0	
12/13/18	68.34	68.34	0.00	63	63	6.9	6.4	16.0	6.0	428	293	494	461	154	25.5	18.8	16.4	5.4	5.2	4.5	343	64	1.37	0.31	3.27	0.016	237	14.7	0.0	
12/14/18	91.69	82.13	9.56	61	61	6.7	6.5	22.0	19.0	725	636	574	411	408	25.4	15.4	13.2	3.8	5.8	5.0	392	65	1.37	0.24	3.69	0.016	220	18.5	0.0	
12/15/18	223.31	126.83	96.48	58	58	6.8	6.2	7.5	13.0	240	448	209	155	274	25.6	20.2	17.3	6.1	9.0	7.7	238	26	1.35	0.15	6.30	0.016	1100	7.4	0.0	
12/16/18	176.68	119.71	56.97	57	57	7.3	6.4	4.5	2.5	138	128	188	107	111	25.7	20.3	17.8	5.8	7.5	6.6	187	25	1.34	0.25	4.71	0.016	360	5.3	8.7	
12/17/18	116.86	109.67	7.19	57	57	7.2	6.7	11.0	0.2	324	37	278	164	28	25.6	18.8	16.2	5.3	4.3	3.7	179	41	1.35	0.37	1.84	0.016	250	6.6	17.7	
12/18/18	106.20	106.20	0.00	61	61	7.1	6.6	10.8	0.2	324	42	303	224	18	25.5	18.9	16.3	5.4	3.0	2.7	193	53	1.23	0.35	2.44	0.016	172	8.6	24.0	
12/19/18	95.10	95.10	0.00	62	62	6.9	6.3	12.5	0.2	384	40	383	231	36	25.4	18.5	16.2	5.8	3.2	2.8	203	63	1.17	0.37	2.89	0.016	180	7.8	24.0	
12/20/18	130.23	98.97	31.26	61	61	7.0	6.4	14.0	4.5	396	224	283	254	194	25.3	17.9	15.5	6.1	3.3	3.0	217	66	1.13	0.41	4.65	0.016	27	10.3	24.0	
12/21/18	163.53	121.39	42.14	59	59	7.0	6.4	7.5	1.5	208	132	261	145	108	25.4	18.4	15.8	5.8	3.1	2.7	187	59	1.19	0.30	5.63	0.016	555	6.3	24.0	
12/22/18	97.20	97.20	0.00	59	59	7.2	6.5	11.0	0.3	297	42	264	108	32	25.5	17.5	15.2	5.1	2.9	2.5	193	67	1.23	0.17	2.24	0.016	55	4.0	24.0	
12/23/18	90.90	90.90	0.00	58	58	7.0	6.5	9.5	0.1	176	43	125	144	31	25.5	16.3	14.2	6.5	8.0	7.0	180	22	1.17	0.18	1.88	0.016	89	7.5	24.0	
12/24/18	86.01	86.01	0.00	57	57	7.4	6.7	11.0	0.4	343	67	296	176	39	25.5	15.1	13.0	9.2	5.5	4.7	188	34	1.11	0.14	1.71	0.016	10	12.6	24.0	
12/25/18	80.41	80.41	0.00	58	58	7.3	6.5	10.5	0.4	148	63	165	147	44	25.3	14.0	12.1	8.8	7.1	6.1	184	26	1.18	0.27	1.63	0.016	98	12.7	24.0	
12/26/18	83.55	83.55	0.00	56	56	7.4	6.6	15.0	0.2	328	46	277	144	24	25.6	14.2	12.2	5.8	2.8	2.5	171	61	1.23	0.31	1.64	0.016	30	15.7	24.0	
12/27/18	111.30	92.68	18.62	59	59	7.4	6.7	16.0	2.8	320	110	193	159	88	25.5	13.9	12.0	8.6	2.4	2.1	146	60	1.21	0.34	2.46	0.016	34	16.4	24.0	
12/28/18	123.51	103.96	19.55	60	60	7.4	6.9	12.9	0.1	258	31	175	91	30	25.7	13.6	11.7	8.5	2.4	2.0	139	58	1.17	0.27	2.75	0.016	325	9.2	24.0	
12/29/18	83.62	83.62	0.00	60	60	7.4	6.7	7.8	0.1	198	17	157	74	13	25.1	13.2	11.3	8.5	2.4	2.0	141	59	1.04	0.15	1.53	0.016	27	10.2	24.0	
12/30/18	74.36	74.36	0.00	59	59	7.4	7	9.8	0.1	163	24	143	80	24	24.9	14.0	11.9	8.8	1.8	1.4	140	105	0.86	0.16	1.33	0.016	430	13.7	24.0	
12/31/18	172.05	105.85	66.20	59	59	7.0	6.5	7.5	6.0	196	204	173	149	142	25.3	12.4	10.5	5.4	3.8	3.2	103	14	0.77	0.18	6.30	0.016	317	8.8	24.0	
Sum	3223.1	2838.0	385.1												787.0								38.410	7.534					518.3	
Average	104.0	91.5	32.1		59.4		7.1	6.5	12.2		340.2	194.1	297.6		25.4	17.5	15.0		6.1	5.0	4.3	236.8	51.7	1.2	0.2	3.3	0.0	134.1	9.4	

SEWER CONNECTIONS 147883 TIMES 4 = 471532 SEWER POPULATION

380

509187
1080608
965186

Authorized Agent



Certification No. 26893

MORRIS FORMAN WASTEWATER TREATMENT PLANT JEFFERSON COUNTY, KY

Month of Dec-18

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	102.98	24.96	27.13	7.64
Tanks in Service	4.00	7.0	7.0	3.0
Surface Area (Ft.2)	77000.00	60550.00	60550.00	25950.00
Volume (MG)	8.33	6.20	6.20	2.66
Weir Length (Ft.)	2860.00	2509.50	2509.50	1075.50
Avg. Weir Overflow (GPD/Ft)	36005.43	9945.93	10809.34	7106.44
Avg. Settling Rate (GPD/Ft2)	1337.34	593.88	613.15	464.24
Avg. Detention Time	1.94	5.96	5.49	8.35

AERATION TANKS

Battery A Battery B Battery C

Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	35.96	37.13	12.05
Avg. Detention Time (Hours)	4.04	3.72	6.59

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.13

Remarks: BY-PASS REPORTS (See Attached)



Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08431	4339 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018174		12/01/2018	BROWN	MITCHELL	DOCUMENTED	02/25/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/01/18 03:41 PM	

Discharge Reporting:

Discharge Amount:	1,775 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEAN UP NOT REQUIRED.
Control Zone:	CONTROL ZONE WAS NOT REQUIRED.
Impact:	VERYLIGHT DEBRIS ON PAVEMENT.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018161		12/01/2018	BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/02/18 05:23 PM	

Discharge Reporting:

Discharge Amount:	2,197,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO STREAM.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3023880		12/15/2018 10:23:00AM	MITCHELL	BROWN	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/15/18 05:02 PM	

Discharge Reporting:

Discharge Amount:	143,432 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP REQUIRED, DISCHARGE PIPE IS SUBMERGED.
Control Zone:	NO CONROL ZONE ESTABLISHED, DISCHARGE PIPE IS SUBMERGED.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT DISCHARGE SIGNS.

Notifications:

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3032865		12/31/2018 10:52:00AM	MITCHELL	BROWN	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/01/19 02:33 PM	

Discharge Reporting:

Discharge Amount:	341,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NOT REQUIRED UNDERGROUND PIPE DISCHARES TO THE CREEK.
Control Zone:	NOT REQUIRED, UNDERGROUND DISCHARGE PIPE.
Impact:	RECIEVED VIA REMOTE NOTIFICATION.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PERM NOTIFICATOIN SIGNS POSTED AROUND DISCHARGE SITE.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	16649	1726 FRASER DR		SOUTH FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018164		12/01/2018	BROWN	MITCHELL	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/01/18 09:30 PM	

Discharge Reporting:

Discharge Amount:	456,454 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	CLEANING NOT REQUIRED.
Control Zone:	NO CONTROL ZONE ESTABLISHED. PIPE IS SUMERGED.AND DISCHARGES DIRECTLY INTO THE CREEK.
Impact:	NOTIFICATION RECIEVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS AND DOOR HANGERS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRain EVENT DISCHARGE	3023884		12/15/2018 7:45:00AM	MITCHELL	BROWN	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/15/18 03:30 PM	

Discharge Reporting:

Discharge Amount:	86,813 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP REQUIRED, DISCHARGE PIPE IS SUBMERGED.
Control Zone:	NO CONROL ZONE ESTABLISHED, DISCHARGE PIPE IS SUBMERGED.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT DISCHARGE SIGNS AND DOOR CARDS.

Notifications:

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3032867		12/31/2018 12:15:00PM	MITCHELL	BROWN	DOCUMENTED	01/24/2002	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/31/18 10:45 PM	

Discharge Reporting:

Discharge Amount:	92,153 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	UNDERGROUND PIPE DISCHARGES DIRECTLY INTO THE CREEK.
Control Zone:	UNDERGROUND DISCHARGE PIPE.
Impact:	VISUAL OBSERVATION AND REMOTE NOTIFICATION.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	NOTIFICATION VIA TEMP DISCHARGE SIGNS AND DOOR CARDS.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28336	9707 WILLOWWOOD WAY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018167		12/01/2018	BROWN	MITCHELL	DOCUMENTED	08/30/2005	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/02/18 09:20 AM	

Discharge Reporting:

Discharge Amount:	32,375 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3019050
Control Zone:	IMACTED AREA SECURED WITH TEMPORARY DISCHARGE SIGNS AND CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR CARDS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28453	3402 CHARLANE PKY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018165		12/01/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/02/18 08:50 AM	

Discharge Reporting:

Discharge Amount:	32,250 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3019059
Control Zone:	IMACTED AREA SECURED WITH TEMPORARY DISCHARGE SIGNS AND CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR CARDS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3023888		12/15/2018 1:45:00PM	MITCHELL	BROWN	DOCUMENTED	10/28/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/15/18 07:55 PM	

Discharge Reporting:

Discharge Amount:	9,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3024050
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACE AROUND THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT AND TEMP DISCHARGE SIGNS AND DOOR CARDS.

Notifications:

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3032869		12/31/2018 2:31:00PM	MITCHELL	BROWN	DOCUMENTED	10/28/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/01/19 06:50 AM	

Discharge Reporting:

Discharge Amount:	24,475 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3032947
Control Zone:	BARRICADES, TEMP SIGNS, AND CAUTION TAPE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMP SIGNS PLACED AROUND DISCHARGE SITE.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	45796	1011 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018168		12/01/2018	BROWN	MITCHELL	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/02/18 08:40 AM	

Discharge Reporting:

Discharge Amount:	378,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3018235
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3023885		12/15/2018 11:30:00AM	MITCHELL	BROWN	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/16/18 08:54 AM	

Discharge Reporting:

Discharge Amount:	322,500 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3024039
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACE AROUND THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT AND TEMP DISCHARGE SIGNS AND DOOR CARDS.

Notifications:

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3032870		12/31/2018 2:09:00PM	MITCHELL	BROWN	DOCUMENTED	05/10/2014	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/01/19 10:26 AM	

Discharge Reporting:

Discharge Amount:	146,850 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#302949
Control Zone:	BARRICADES, TEMP SIGNS, AND CAUTION TAPE PLACED AROUND IMPACTED AREA.
Impact:	MANHOLE DISCHARGING IN TO THE CREEK.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMP SIGNS PLACED AROUND DISCHARGE SITE.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	47583	202 OXMOOR LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018169		12/01/2018	BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/02/18 09:10 AM	

Discharge Reporting:

Discharge Amount:	378,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#3019091
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3023887		12/15/2018 12:27:00PM	MITCHELL	BROWN	DOCUMENTED	02/06/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/16/18 09:30 AM	

Discharge Reporting:

Discharge Amount:	252,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3024040
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACE AROUND THE DISCHARGE SITE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT AND TEMP DISCHARGE SIGNS AND DOOR CARDS.

Notifications:

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	51594	1418 TREVILIAN WAY		SOUTH FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018171		12/01/2018	BROWN	MITCHELL	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/01/18 01:20 PM	

Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO3024131
Control Zone:	BARRICADES AND TEMPORARY DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMPORARY AND PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3032871		12/31/2018 4:04:00PM	MITCHELL	BROWN	DOCUMENTED	09/12/2006	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/01/19 05:10 AM	

Discharge Reporting:

Discharge Amount:	117,900 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#302948
Control Zone:	BARRICADES, TEMP SIGNS, AND CAUTION TAPE PLACED AROUND IMPACTED AREA.
Impact:	MUDDY WATER DISCHARGING FROM MANHOLE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMP SIGNS PLACED AROUND DISCHARGE SITE.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO055	100 N 6TH ST		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3019831		12/05/2018	DODDS	DODDS	REPAIRED - ISSUE RESOLVED	12/05/2018	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHARGE-WATER S	12/09/18 07:45 AM	

Discharge Reporting:

Discharge Amount:	64,000 GAL
Cause:	OBSTRUCTION IN LOW FLOW LINE, PIPED THROUGH ORI PROJECT. UNABLE TO FLUSH AS A SAFETY ISSUE FOR WORKERS IN ORI. PIPING TO BE DISMANTLED WITHIN 24 HRS.
Clean Up:	NONE POSSIBLE, PIPE SUBMERGED.
Control Zone:	PERMANENT OVERFLOW ADVISORY SIGNS POSTED.
Impact:	NONE, PIPE SUBMERGED.
Repair:	REMOVE FLOW THROUGH PIPING IN ORI 12/6/18.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS POSTED.

Notifications:

12/5/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/5/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO108	2324 NEWBURG RD		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3019590		12/04/2018	BROWN	MITCHELL	REPAIRED - ISSUE RESOLVED	12/04/2018	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	12/04/18 02:13 PM	

Discharge Reporting:

Discharge Amount:	42,667 GAL
Cause:	PLC MECHANICAL MALFUNCTION. ERRONEOUS SIGNAL SENT FROM THE PLC ACTIVATED THE PUMPS.
Clean Up:	NO CLEANUP REQUIRED DISCHARGE, PIPE IS SUBMERGED AND DISCHARGES DIRECTLY IN TO THE CREEK.
Control Zone:	NO CONTROL ZONE SET, UNDER GROUND PIPE DISCHARGES DIRECTLY TO CREEK.
Impact:	SEWAGE DISCHARGING IN TO THE CREEK FROM THE FLAP GATE CONNECTED TO THE UNDERGROUND PIPE.
Repair:	REPAIRS ARE BEING MADE TO THE REAL TIME CONTROL PLC SYSEM.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT.

Notifications:

12/5/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/5/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	IS021A-SI	1201 OLD CANNONS LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018160		12/01/2018	BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/02/18 05:30 PM	

Discharge Reporting:

Discharge Amount:	3,915,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHE THE PIPE DISCHARGES DIRECTLY TO STREAM.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/2/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	3023883		12/15/2018 9:30:00AM	MITCHELL	BROWN	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/15/18 09:45 PM	

Discharge Reporting:

Discharge Amount:	1,613,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP REQUIRED, DISCHARGE PIPE IS SUBMERGED.
Control Zone:	NO CONROL ZONE ESTABLISHED, DISCHARGE PIPE IS SUBMERGED.
Impact:	NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	NOTIFICATION MADE THROUGH PERMANENT DISCHARGE SIGNS.

Notifications:

12/16/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/16/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRRAIN EVENT DISCHARGE	3032866		12/31/2018 11:45:00AM	MITCHELL	BROWN	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	01/01/19 09:15 AM	

Discharge Reporting:

Discharge Amount:	2,826,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NOT REQUIRED. MANHOLE DISCHARGES DIRECTLY INTO THE CREEK.
Control Zone:	NOT REQUIRED. REMOTE LOCATION. NO PUBLIC ACCESS.
Impact:	RECEIVED VIA REMOTE NOTIFICATION.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PERM DISCHARGE SIGNS POSTED ALONG THE CREEK.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/1/19 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0186-PS	2120 INDIAN HILLS TRL	MUDDY FORK	MUDDY FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018134		12/01/2018	CATALANO JR	PEDRO JR	REPAIRED - ISSUE RESOLVED	12/01/2018	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE-WATER S	12/01/18 04:30 PM	

Discharge Reporting:

Discharge Amount:	11,500 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT/ASSET - ONLY CALLED FOR 2 PUMPS TO RUN AND NO HIGH WET WELL ALARM.
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	VACTOR WET WELL REMOVING FOG LAYER.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

12/2/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
STLS Storm Lift Station	MSD0302-FP	147 BUCHANAN ST		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018069		12/01/2018	CARSONE	CARSONE	DOCUMENTED	09/08/2018	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE-WATER S	12/07/18 06:00 AM	

Discharge Reporting:

Discharge Amount:	267,456,608 GAL
Cause:	HEAVY RAINS OVERWHELMED CSOS, CANNOT MAXIMIZE FLOW DOWNSTREAM DUE TO ORI REPAIRS, PUMPING TO PREVENT SURFACE FLOODING.
Clean Up:	NO CLEAN UP PERFORMED – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Control Zone:	NO CONTROL ZONE SET UP – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Impact:	NONE OBSERVED - OUTLETS SUBMERGED.
Repair:	NO CONTROL ZONE SET UP – PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Public Notification:	GIVEN BY VOLUNTARY EMAIL NOTIFICATION SYSTEM AND PERMANENT SIGNS.

Notifications:

12/1/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDWDRY WEATHER DISCHARGE	3022388		12/11/2018 12:00:00AM	CARSONE	CARSONE	DOCUMENTED	09/08/2018	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE-WATER S	12/11/18 02:50 AM	

Discharge Reporting:

Discharge Amount:	3,675,000 GAL
Cause:	PLANNED OUTAGE TO REMOVE TEMPORARY BULKHEAD INSTALLED IN ORI FOR REPAIRS.
Clean Up:	DISCHARGE UNDERWATER, NO CLEANUP POSSIBLE.
Control Zone:	PERMANENT SIGNS POSTED.
Impact:	NONE OBSERVED.
Repair:	PLANNED OUTAGE TO TERMINATE BY 0800.
Public Notification:	WEBSITE UPDATED.

Notifications:

12/11/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/11/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 13

Total Work Orders Printed: 26