



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

October 19, 2016
Cheryl Edwards
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. Edwards:

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 September 1st to September 30th are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet the seven and 30 day TSS, and seven and 30 day BOD effluent limit parameters. All other effluent parameters were met.

An extended power outage on September 7th, 2016 coupled with capital construction impacting secondary capacity at MFWQTC and compromised solids processing capability contributed to the exceedances. The capital construction impacting secondary capacity extended into October 2016 and continues to impact secondary effluent parameters. MFWQTC continues to employ additional solids processing methods in an effort to meet permit requirements.

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

Sincerely,

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

Vgt

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 09/01/16 to 09/30/16	DMR Due Date:	10/28/16	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	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					=	2.2					19 - mg/L	0	01/01 - Daily	GR - GRAB				
					Permit Req.					>=	2 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	=	37583	=	48832	26 - lb/d		=	80	=	112	19 - mg/L	0	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		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	322176	=	389616	26 - lb/d		=	648	=	773	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					=	6.4			=	7.1	12 - SU	0	01/01 - Daily	GR - GRAB				
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM		12 - SU	01/01 - Daily	GR - GRAB			
					Value NODI																		
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	39793	=	50152	26 - lb/d		=	79	=	113	19 - mg/L	0	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		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	300434	=	344375	26 - lb/d		=	600	=	724	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	=	7120	=	8158	26 - lb/d		=	15.5	=	18.3	19 - mg/L	0	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		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	6976	=	7279	26 - lb/d		=	14.6	=	15.8	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	=	58.07	=	97.99	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																		
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									<	0.012	19 - mg/L	0	01/01 - Daily	GR - GRAB				
					Permit Req.											<=		0.019 DAILY MX	19 - mg/L	01/01 - Daily	GR - GRAB		
					Value NODI																		
74055	Coliform, fecal general	1 - Effluent Gross	1	--	Sample									=	118	=	256	13 - #/100mL	0	01/01 - Daily	GR - GRAB		
					Permit Req.											<=	200 30DA GEO	<=		400 7 DA GEO	13 - #/100mL	01/01 - Daily	GR - GRAB
					Value NODI																		
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	87					23 - %	0	01/30 - Monthly	CA - CALCTD				
					Permit Req.											>=		85 MO MIN	23 - %	01/30 - Monthly	CA - CALCTD		
					Value NODI																		
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	85					23 - %	0	01/30 - Monthly	CA - CALCTD				
					Permit Req.											>=		85 MO MIN	23 - %	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
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
201609MFWQTCOverflowReport.pdf	pdf	96782
MFWQTC092016MOR.pdf	pdf	199691
MFWQTCoverletter092016.pdf	pdf	132040

Report Last Saved By

Morris Forman WQTC MSD

User:	robin.burch@louisvillemsd.org	Date/Time:	2016-11-02 06:25 (Time Zone: -04:00)
Name:	Robin Burch		
E-Mail:	robin.burch@louisvillemsd.org		

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 09/01/16 to 09/30/16	DMR Due Date:	10/28/16
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	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						=	129	=	268	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	378	=	444	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	137	=	257	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	391	=	455	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	15.6	=	29.2	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	20.3	=	27.2	19 - mg/L	09/30 - Nine Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.										19 - mg/L		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	9.37	=	11.11	03 - MGD						09/30 - Nine Per Month 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:	robin.burch@louisvillemsd.org	Date/Time:	2016-11-02 06:25 (Time Zone: -04:00)
Name:	Robin Burch		
E-Mail:	robin.burch@louisvillemsd.org		

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 07/01/16 to 09/30/16	DMR Due Date: 10/28/16	Status: NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name: James	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
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	469		=	469	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						<	0.005		<	0.005	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.003		<	0.003	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						<	0.009		<	0.009	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.009		<	0.009	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.003		<	0.003	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.005		<	0.005	19 - mg/L	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/90 - Quarterly	CP - COMPOS	
					Permit Req.											<=	1 DAILY MX	2F - tox acute	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: robin.burch@louisvillemsd.org

Date/Time: 2016-11-02 06:25 (Time Zone: -04:00)

Name: Robin Burch

E-Mail: robin.burch@louisvillemsd.org

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Sep-16

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	60.97	26.60	5.26	9.05
Tanks in Service	4.00	7.3	4.9	3.0
Surface Area (Ft.2)	77000.00	62771.14	42030.75	25854.49
Volume (MG)	8.33	6.43	4.31	2.65
Weir Length (Ft.)	2860.00	2601.56	1741.97	1071.54
Avg. Weir Overflow (GPD/Ft)	21318.66	10224.91	3021.43	8445.34
Avg. Settling Rate (GPD/Ft2)	791.84	592.67	265.39	541.60
Avg. Detention Time	3.28	5.80	19.63	7.02

AERATION TANKS

	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	37.20	11.15	14.00
Avg. Detention Time (Hours)	3.79	19.15	5.57

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2301249
Avg. Detention Time (Hours)	1.04

Remarks: BY-PASS REPORTS (See Attached)

Format: Month/Day/Year
 Enter Start Date : 9/1/16

Press (Ctrl r) to recalculate spreadsheet.

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF September-16
 KPDE8 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	
	Effluent	Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	raw	final	prim.	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			
																														Sec.	raw	final
9/1/16	72.54	71.78	0.76	79	79	7.0	6.5	19.0	0.1	616	43	4.5	579	204	38	20.7	20.8	17.5	5.9	3.7	3.1	207	50	1.51	0.30	3.04	0.012	108	10	0.0		
9/2/16	62.58	62.58	0.00	77	77	6.7	6.4	26.4	0.3	588	45	4.9	682	590	42	17.0	19.1	16.1	8.5	3.9	3.3	227	57	1.06	0.23	2.50	0.012	139	15	0.0		
9/3/16	55.05	55.05	0.00	79	79	6.8	6.7	15.0	0.1	384	43	3.5	329	252	41	16.8	21.0	17.9	8.3	4.1	3.5	240	57	1.12	0.33	3.01	0.012	200	18	0.0		
9/4/16	50.83	50.83	0.00	76	76	7.2	6.5	14.5	0.2	356	42	4.8	216	206	36	16.7	21.1	17.5	8.3	7.2	6.0	252	41	1.15	0.52	2.46	0.012	46	17	0.0		
9/5/16	51.19	51.19	0.00	79	79	7.3	6.6	16.5	0.3	384	23	5.0	224	124	25	16.5	17.9	15.0	8.3	3.8	3.2	230	61	1.15	0.45	1.97	0.012	53	19	0.0		
9/6/16	54.82	54.82	0.00	79	79	7.2	6.7	20.0	0.3	288	81	5.7	460	348	170	16.7	5.8	5.2	8.3	4.8	4.1	200	57	1.16	0.46	1.73	0.012	33	22	0.0		
9/7/16	87.75	87.75	0.00	81	81	6.9	6.7	20.3	0.4	730	81	3.1	680	348	170	16.6	5.8	5.2	5.2	4.8	4.1	3	57	-0.34	0.20	5.40	0.012	235	22	0.0		
9/8/16	36.86	36.86	0.00	81	81	7.0	6.7	19.0	0.1	500	100	3.1	640	439	163	16.9	7.7	6.4	5.2	4.8	4.1	3	57	-0.13	0.16	6.49	0.012	120	21	0.0		
9/9/16	56.99	56.99	0.00	79	79	6.8	6.7	22.0	7.5	728	268	2.2	835	416	350	17.4	18.0	14.9	5.2	1.1	0.9	242	219	0.24	0.14	7.17	0.012	60000	32	0.0		
9/10/16	85.90	89.59	15.91	77	77	6.8	7.1	21.2	5.0	748	246	3.0	877	447	185	17.0	19.4	15.9	4.8	6.4	5.3	242	37	1.14	0.19	13.53	0.012	15	27	0.0		
9/11/16	62.17	62.17	0.00	78	78	6.9	6.7	15.5	0.1	460	64	2.9	393	244	130	15.8	17.3	14.2	6.2	4.0	3.3	200	49	0.93	0.18	18.68	0.012	1035	19	0.0		
9/12/16	53.25	53.25	0.00	77	77	6.9	6.5	21.0	0.1	527	36	4.7	536	398	48	14.6	18.8	15.6	6.2	3.9	3.2	240	62	1.15	0.25	21.89	0.012	106	18	0.0		
9/13/16	48.58	48.58	0.00	77	77	7.0	6.8	20.5	0.1	528	56	4.1	611	488	94	14.4	16.6	13.8	6.2	4.9	4.1	210	43	1.29	0.39	26.44	0.012	116	21	0.0		
9/14/16	53.59	53.59	0.00	79	79	6.8	6.5	24.0	0.1	716	63	5.1	800	572	164	15.0	17.8	14.9	3.3	4.5	3.9	210	47	1.37	0.48	32.02	0.012	60	18	0.0		
9/15/16	48.70	48.70	0.00	80	80	7.0	6.7	24.5	0.2	740	49	4.5	713	499	92	14.7	18.2	15.3	3.3	4.1	3.4	195	48	1.46	0.46	38.45	0.012	250	18	0.0		
9/16/16	58.28	58.28	0.00	80	80	7.1	6.4	26.0	0.1	816	62	6.9	701	460	73	14.4	19.0	15.9	3.3	4.8	4.0	267	55	1.40	0.31	43.09	0.012	360	14	0.0		
9/17/16	76.71	73.35	3.36	80	80	7.0	7.1	35.0	1.0	920	87	5.4	677	328	95	13.9	21.4	17.8	3.3	3.4	2.8	130	38	1.23	0.21	50.40	0.012	42	15	0.0		
9/18/16	51.08	51.08	0.00	79	79	7.1	7	18.5	4.0	416	198	4.7	620	289	159	17.0	18.7	15.5	3.3	4.0	3.3	4	60	1.27	0.20	59.98	0.012	11	13	0.0		
9/19/16	50.06	50.08	0.00	79	79	6.8	6.4	18.5	0.1	644	52	3.6	858	638	77	19.9	13.3	11.4	7.5	3.6	3.1	235	33	1.40	0.22	64.69	0.012	185	13	0.0		
9/20/16	50.40	50.40	0.00	79	79	6.9	6.5	22.5	0.3	668	76	3.1	773	924	115	23.6	9.4	7.5	6.5	4.3	3.6	199	46	1.47	0.21	71.01	0.012	560	24	0.0		
9/21/16	44.54	44.54	0.00	80	80	6.9	6.6	23.5	0.3	865	121	4.9	968	582	175	27.9	14.6	12.1	6.4	4.3	3.5	218	51	1.45	0.25	77.24	0.012	490	25	0.0		
9/22/16	48.51	48.51	0.00	81	81	6.8	6.5	22.5	0.1	748	35	3.3	814	425	76	28.4	14.4	11.8	7.1	4.5	3.6	291	65	1.46	0.30	81.70	0.012	404	18	0.0		
9/23/16	48.47	48.47	0.00	79	79	7.0	6.4	21.9	0.1	664	38	3.0	796	399	54	28.2	14.3	12.0	10.6	4.7	3.9	233	50	1.49	0.21	85.67	0.012	44	17	0.0		
9/24/16	47.25	47.25	0.00	82	82	6.7	6.7	21.4	0.1	676	42	3.2	966	634	76	28.2	15.2	12.9	7.0	7.7	6.6	261	34	1.47	0.29	91.18	0.012	17	19	0.0		
9/25/16	46.75	46.75	0.00	81	81	6.9	6.5	20.8	0.1	660	44	3.4	759	649	61	28.9	17.1	14.6	7.2	5.9	4.9	247	43	1.39	0.23	95.97	0.012	4	17	0.0		
9/26/16	60.06	77.84	12.22	82	82	7.0	6.4	13.5	1.0	630	93	3.0	609	473	90	29.7	18.5	15.8	8.4	6.2	5.3	334	54	1.34	0.26	101.64	0.012	68	12	0.0		
9/27/16	56.39	56.38	0.01	76	76	7.1	6.4	20.0	0.1	606	23	5.7	768	240	36	30.5	22.3	19.0	10.3	5.3	4.4	288	54	1.07	0.29	105.24	0.012	66	9	0.0		
9/28/16	99.77	78.88	21.09	76	76	6.9	6.5	21.0	5.5	670	196	5.1	698	618	165	31.2	17.1	14.4	9.3	4.6	4.0	264	58	1.45	0.30	112.71	0.012	188	14	0.0		
9/29/16	84.80	78.79	6.11	70	70	7.0	6.5	14.5	1.7	400	98	7.3	525	278	64	33.0	17.0	14.4	9.3	3.9	3.3	205	51	1.54	0.20	117.95	0.012	116	12	0.0		
9/30/16	122.79	97.98	24.81	69	69	6.7	6.5	12.4	4.5	336	184	4.6	346	399	138	33.8	22.3	11.6	8.8	4.5	3.8	215	48	1.45	0.14	124.06	0.012	156	11	0.0		
Total	1776.9	1692.8	84.3													635.4																0.0
Average	59.2	56.4	10.5	78.4	78.4	6.9	6.8	20.4	1.1	600	88	4.3	648	430	107	21.2	16.7	13.7	6.7	4.6	3.9	210	56	1.17	0.28	48.91	0.012	118	16	0.0		

1040

SEWER CONNECTIONS 147322 TIMES 4 = 569288 SEWER POPULATION

IND. WASTER POPULATION EQ
 CUSTOMERS 364
 FLOW -25193
 BOD 1294900
 TSS 823019

Authorized Agent

Certification No. 5691



Report Selections: Period: 09/01/2016 00:00 thru 09/30/2016 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	CSO191	4010 BELLS LN		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	2617614		09/14/2016	BURCH	BURCH	DOCUMENTED	03/23/2008	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHAGE - WATERS	09/14/16 07:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	260,000 GAL
Cause:	ELECTRICAL MALFUNCTION
Clean Up:	NA - PIPE DISCHARGE SUBMERGED
Control Zone:	NA - PIPE DISCHARGE SUBMERGED
Impact:	NA - PIPE DISCHARGE SUBMERGED
Repair:	REPLACED PLC MODULE
Public Notification:	NA - PIPE DISCHARGE SUBMERGED; PERMANENT OVERFLOW WARNING SIGN POSTED AT LEVY.

Notifications:

8/15/16 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
8/15/16 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 1

Total Work Orders Printed: 1