



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

October 15, 2015

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. All permit requirements were met for the month of September, 2015.

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

Sincerely,

A handwritten signature in cursive script that reads "Alex E. Novak".

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

vgt



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

DMR Copy of Record

Permit					
Permit #:	KY0022411	Permittee:	MORRIS FORMAN WQTC MSD	Facility:	MORRIS FORMAN WQTC MSD
Major:	Yes	Permittee Address:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211	Facility Location:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE		

Report Dates & Status					
Monitoring Period:	From 09/01/15 to 09/30/15	DMR Due Date:	10/28/15	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:	Tony	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					=	4.2					19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	2 INST MIN				19 - mg/L	01/01 - Daily		GR - GRAB		
					Value NODI															
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	9016	=	11212	26 - lb/d		=	16	=	22	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	=	259570	=	262553	26 - lb/d		=	450	=	514	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					=	6.3			=	6.9	12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/01 - Daily	GR - GRAB	
					Value NODI															
00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	11080	=	13147	26 - lb/d		=	20	=	26	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	=	290795	=	312878	26 - lb/d		=	488	=	503	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	=	10101	=	11011	26 - lb/d		=	18.1	=	21.5	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	=	8600	=	9065	26 - lb/d		=	15	=	17.1	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	=	67.98	=	106.04	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									<	0.015	19 - mg/L	0	01/30 - Monthly	GR - GRAB	
					Permit Req.										<=	.019 DAILY MX		19 - mg/L	01/01 - Daily	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	1	--	Sample							=	103	=	219	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					=	96					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					=	96					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
 No errors.

Comments

Attachments

Name	Type	Size
MFWQTC062015MOR.pdf	pdf	263144
CoverletterMFWQTC092015.pdf	pdf	34478
2015_9_MFWQTC_OverflowReport.pdf	pdf	67557

Report Last Saved By

MORRIS FORMAN WQTC MSD

User: robin.burch@louisvillemsd.org	Date/Time: 2015-10-19 14:44 (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:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211
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 09/01/15 to 09/30/15	DMR Due Date:	10/28/15
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:	Tony	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						=	24	=	23	19 - mg/L	08/30 - Eight Every Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	200	=	202	19 - mg/L	08/30 - Eight Every Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	16	=	22	19 - mg/L	08/30 - Eight Every Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	176	=	177	19 - mg/L	08/30 - Eight Every Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	32.3	=	30.5	19 - mg/L	08/30 - Eight Every Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	20.2	=	23.2	19 - mg/L	08/30 - Eight Every Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L 0		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	9.4	=	6.8	03 - MGD					08/30 - Eight Every Month WH/DS - When Discharging	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							
					Value NODI												

Submission Note
 If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors
 No errors.

Comments

Attachments
 No attachments.

Report Last Saved By
MORRIS FORMAN WQTC MSD

User:	robin.burch@louisvillemsd.org	Date/Time:	2015-10-19 14:44 (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:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211	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 07/01/15 to 09/30/15	DMR Due Date:	10/28/15	Status:	NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name:	Tony	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						=	304		=	304	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01025	Cadmium, dissolved [as Cd]	1 - Effluent Gross	0	--	Sample						<	0.002		<	0.002	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01040	Copper, dissolved [as Cu]	1 - Effluent Gross	0	--	Sample						=	0.013		=	0.013	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01049	Lead, dissolved [as Pb]	1 - Effluent Gross	0	--	Sample						<	0.006		<	0.006	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01090	Zinc, dissolved [as Zn]	1 - Effluent Gross	0	--	Sample						<	0.022		<	0.022	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.03		<	0.03	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002		<	0.002	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.006		<	0.006	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.02		=	0.02	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/90 - Quarterly	CP - COMPOS	
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	0	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: robin.burch@louisvillemsd.org

Date/Time: 2015-10-19 14:44 (Time Zone: -04:00)

Name: Robin Burch

E-Mail: robin.burch@louisvillemsd.org

Press [Ctrl r] to recalculate spreadsheet.

MORRIS FORMAN WATER QUALITY TREATMENT CENTER JEFFERSON COUNTY, KENTUCKY MONTH OF September 2015
 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		
	Final	Sec.	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	prim.	final	final	FLOW	TSS	TVSS	D.O.	MLSS	MLVSS	SET	SVI	Sludge Wasted	Primary Sludge	Chlorine Dosage	Resid	Fecal Coliform	NH3-N	Pump.
	Effluent	Effluent		raw	final	raw	final	raw	final	raw	final	raw	final	g/L	g/L	g/L	mg/L	g/L	g/L	g/L	g/L	g/L	g/L	g/L	MG	MG	KLBS	mg/L	#/100 ml	mg/L	Hours
9/1	65.61	65.61	0.00	82	82	6.8	6.6	15.5	0.3	540	25	4.9	442	206	9	24.7	14.2	11.8	9.2	4.1	3.5	310	70	1.31	0.38	2.04	0.015	76	18	0.00	
9/2	68.54	68.54	0.00	82	82	6.7	6.5	18.7	0.1	512	33	4.5	434	175	26	24.9	12.8	10.8	8.5	5.7	4.7	329	56	1.37	0.43	2.58	0.015	160	15	0.00	
9/3	64.19	64.19	0.00	79	79	6.8	6.5	15.9	0.1	564	28	6.8	872	448	16	25.0	12.9	11.7	11.2	5.7	4.8	358	60	1.32	0.33	2.67	0.015	52	16	0.00	
9/4	63.64	63.64	0.00	83	83	6.8	6.5	18.7	0.1	532	28	4.9	579	253	18	25.2	14.5	12.2	10.0	5.5	4.7	393	70	1.39	0.32	2.60	0.015	152	19	0.00	
9/5	73.81	68.81	4.80	83	83	6.8	6.5	16.8	0.3	535	38	8.4	453	310	36	25.8	14.2	12.1	10.1	6.3	5.3	399	61	1.51	0.38	2.56	0.015	300	20	0.00	
9/6	57.46	57.46	0.00	83	83	7.2	6.3	13.0	0.2	374	19	4.2	240	176	20	26.0	15.8	13.5	16.6	6.2	5.4	417	65	1.56	0.49	2.25	0.015	172	14	0.00	
9/7	66.84	66.38	0.46	82	82	7.1	6.5	12.2	0.1	376	23	5.6	191	93	10	25.7	10.2	8.7	15.0	4.4	3.7	368	86	1.64	0.35	2.25	0.015	4	23	0.00	
9/8	67.07	67.07	0.00	82	82	7.0	6.5	12.2	0.1	412	16	5.1	319	112	5	25.8	12.8	10.7	14.3	4.3	3.6	251	59	1.46	0.40	1.91	0.015	42	22	0.00	
9/9	110.43	92.75	17.68	80	80	6.9	6.6	15.7	1.2	624	57	4.8	390	218	12	25.7	12.2	10.3	12.6	3.2	2.7	174	54	1.17	0.41	3.64	0.015	236	18	0.00	
9/10	91.41	87.84	3.57	81	81	6.9	6.6	11.5	0.1	412	16	4.9	354	154	14	25.5	12.5	10.3	13.0	4.9	4.1	177	35	1.06	0.40	2.70	0.015	4500	14	0.00	
9/11	86.28	80.74	5.54	80	80	7.1	6.5	15.0	0.1	604	25	4.6	572	208	24	25.3	11.7	9.8	12.6	3.1	2.7	200	64	1.02	0.39	2.55	0.015	623	19	0.00	
9/12	73.74	73.35	0.39	77	77	7.1	6.5	15.0	0.1	384	19	4.5	416	182	15	25.6	13.3	11.2	12.5	4.3	3.7	260	66	1.12	0.39	2.38	0.015	195	14	0.00	
9/13	80.80	80.80	0.00	76	76	6.9	6.6	13.4	0.1	404	10	4.8	358	170	9	25.9	11.6	10.0	13.7	4.6	3.8	263	57	1.20	0.42	1.83	0.015	300	18	0.00	
9/14	61.79	61.79	0.00	76	76	7.0	6.4	13.3	0.1	380	10	4.6	353	316	8	25.7	10.9	9.4	12.1	4.1	3.5	240	58	1.19	0.49	2.57	0.015	15	22	0.00	
9/15	82.19	82.19	0.00	79	79	7.1	6.6	14.9	0.1	416	10	5.3	466	174	9	25.8	8.3	7.0	12.4	3.2	2.7	198	64	1.19	0.48	1.83	0.015	77	24	0.00	
9/16	61.71	61.71	0.00	78	78	6.9	6.6	16.1	0.1	508	30	5.6	628	350	28	26.6	9.1	7.1	13.8	5.0	4.1	218	49	1.14	0.32	2.21	0.015	910	21	0.00	
9/17	55.80	55.80	0.00	79	79	6.9	6.7	14.0	0.1	472	33	5.0	477	272	35	27.3	12.0	9.9	11.9	3.8	3.3	333	104	1.21	0.31	2.70	0.015	50	14	0.00	
9/18	60.55	60.55	0.00	80	80	7.0	6.6	19.1	0.4	572	52	4.9	589	342	34	27.2	12.0	10.0	12.0	5.7	4.8	383	68	1.36	0.30	2.12	0.015	128	20	0.00	
9/19	62.29	62.29	0.00	79	79	7.0	6.6	17.2	0.2	548	35	4.8	515	310	41	27.1	12.6	10.4	10.3	4.9	4.2	431	88	1.26	0.37	2.54	0.015	84	18	0.00	
9/20	58.51	58.51	0.00	79	79	6.9	6.5	13.2	0.1	512	23	5.0	412	227	22	26.7	10.6	9.1	10.3	5.0	4.3	480	99	1.37	0.22	1.57	0.015	40	15	0.00	
9/21	58.55	58.55	0.00	75	75	7.0	6.5	15.1	0.1	496	16	5.0	512	189	11	26.7	12.9	11.1	9.6	5.1	4.2	421	79	1.46	0.26	2.33	0.015	45	17	0.00	
9/22	59.30	59.30	0.00	78	78	6.9	6.5	17.2	0.1	512	16	4.8	560	199	8	27.1	11.7	10.1	12.0	4.4	3.8	402	88	1.39	0.36	2.18	0.015	10	22	0.00	
9/23	60.27	60.27	0.00	77	77	7.0	6.6	15.0	0.1	504	14	4.8	556	195	11	27.0	11.2	9.6	11.1	4.5	3.8	374	82	1.41	0.40	2.11	0.015	23	23	0.00	
9/24	59.50	59.50	0.00	76	76	6.9	6.6	16.0	0.1	584	17	4.8	522	290	10	26.9	10.4	8.6	10.8	4.3	3.7	318	72	1.14	0.37	2.20	0.015	92	23	0.00	
9/25	63.81	63.81	0.00	77	77	7.0	6.6	15.1	0.1	460	20	5.0	526	249	18	26.7	11.1	9.5	12.2	4.7	4.0	361	76	1.17	0.43	2.59	0.015	87	19	0.00	
9/26	64.33	64.33	0.00	75	75	7.1	6.6	15.5	0.1	516	15	5.0	408	158	15	27.3	10.9	9.0	10.5	4.8	4.0	418	83	1.30	0.44	2.34	0.015	94	22	0.00	
9/27	60.77	60.77	0.00	76	76	6.9	6.9	13.3	0.1	408	16	5.1	326	192	13	27.4	10.3	8.1	11.1	4.4	3.7	383	87	1.43	0.41	2.05	0.015	70	22	0.00	
9/28	62.38	62.38	0.00	75	75	6.9	6.5	16.8	0.1	488	17	5.8	386	190	12	27.1	10.5	9.2	13.6	3.6	3.0	271	76	1.39	0.42	1.76	0.015	935	19	0.00	
9/29	146.10	108.04	40.06	78	78	6.8	6.5	15.0	0.3	676	44	5.0	370	266	67	26.8	9.3	7.8	13.6	3.5	3.1	260	74	1.28	0.33	5.77	0.015	228	12	0.00	
9/30	107.10	104.47	2.63	73	73	6.9	6.4	10.4	0.1	312	36	5.3	281	169	16	27.0	12.7	11.0	13.3	3.4	2.8	226	67	1.11	0.43	3.18	0.015	26	8	0.00	
Total	2114.4	2039.2	75.1													787.7								38.922	11.416					0.00	
Average	70.5	68.0	2.5	78.7	78.7	6.9	6.5	15.0	0.2	488	25	5.1	450	226	19	26.3	11.8	10.0	12.0	4.6	3.9	321	71	1.30	0.38	2.47	0.015	103	18		

SEWER CONNECTIONS 146447 TIMES 4 = 585788 SEWER POPULATION

IND. WASTER POPULATION EQ
 CUSTOMERS 358
 FLOW 85441
 BOD 970946
 TSS 779855

Authorized Agent



Certification No. 5691

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Sep-15

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	70.48	18.56	17.91	7.25
Tanks in Service	4.00	6.6	6.4	4.0
Surface Area (Ft.2)	77000.00	56764.57	55494.63	34600.00
Volume (MG)	8.33	5.81	5.68	3.54
Weir Length (Ft.)	2860.00	2352.61	2299.98	1434.00
Avg. Weir Overflow (GPD/Ft)	24643.01	7890.63	7787.55	5057.91
Avg. Settling Rate (GPD/Ft2)	915.31	513.36	503.69	374.88
Avg. Detention Time	2.84	7.52	7.62	11.73

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	29.14	27.95	12.97
Avg. Detention Time (Hours)	5.43	5.63	6.95

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.51

Remarks: BY-PASS REPORTS (See Attached)

**Louisville and Jefferson County
Metropolitan Sewer District
Wastewater Customer Count**

September-15

Plant Code	Service Area		Residential Customers	Commercial Customers	Industrial Customers	Total Customers
80	Shadow Wood	LWC	111	3	0	114
140	Derek Guthrie	LWC	64,899	3,875	21	68,795
151	Morris Forman - City	LWC	79,516	10,504	308	90,328
152	Morris Forman - County	LWC	51,465	4,962	50	56,477
			130981	15,466	146447	358
153	Hite Creek	LWC	7,908	559	7	8,474
158	Ken Carla	LWC	23	2	0	25
160	Berrytown	LWC	246	20	0	266
164	McNeely Lake	LWC	396	1	0	397
197	Starview	LWC	148	16	0	164
206	Jeffersontown	LWC	6,051	914	9	6,974
235	Glen Oaks - Sec. 5 Only	LWC	267	1	0	268
237	Cedar Creek	LWC	11,197	237	0	11,434
238	Bancroft	LWC	202	0	0	202
239	Hunting Creek	LWC	1,539	32	0	1,571
240	Timberlake	LWC	325	15	0	340
244	Moser Farm (Hite Creek)	LWC	166	0	0	166
294	Floyds Fork	LWC	7,742	310	0	8,052
Grand Total			232,201	36,917	395	254,047

Submitted by: Adonis Henderson
Date: 10/01/2015



Report Selections: Period: 09/01/2015 00:00 thru 09/30/2015 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	CSO113	1215 ELLISON AVE		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	2429237		09/14/2015	MARDIS	BRIGHT	REPAIRED - ISSUE RESOLVED	09/14/2015	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	09/14/15 08:30 AM	

Discharge Reporting:

Discharge Amount:	450 GAL
Cause:	OBSTRUCTION IN MAIN SEWR
Clean Up:	FLUSHED THE LINE
Control Zone:	N/A
Impact:	NONE
Repair:	OPENED BY FLUSHING THE LINE
Public Notification:	N/A

Notifications:

9/3/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
9/3/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 1

Total Work Orders Printed: 1