



January 22, 2015

Cheryl Edwards
Permit Support Section
Surface Water Permits Branch
Division of Water
200 Fair Oaks Lane 4<sup>th</sup> 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 December 1<sup>st</sup> to December 31<sup>st</sup> are provided through NetDMR. All permit requirements were met for the month of December, 2014.

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

Sincerely,

Alex E. Novak, P.E. Director of Operations

alex E. North

vgt



## **DMR Copy of Record**

	n		

Major:

Permit #: KY0022411

Permittee: MORRIS FORMAN WQTC MSD

Permittee Address: 4522 ALGONQUIN PKWY

4522 ALGONQUIN PKWY
LOUISVILLE, KY 40211

Facility Location:

Facility:

Status:

4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

**NetDMR Validated** 

MORRIS FORMAN WQTC MSD

**Permitted Feature:** 

001

External Outfall

Heitzman

Yes

Discharge: 001-1

**DMR Due Date:** 

Title:

LOUIS

Report Dates & Status

Season not needed.

Last Name:

Monitoring Period: From 12/01/14 to 12/31/14

MUNICIPAL DISCHARGE

**Considerations for Form Completion** 

G - INFLUENTE - SECONDARY 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

01/28/15

Principal Executive Officer

First Name: Greg

Executive Director

**Telephone**: 502-540-6000

No Data Indicator (NODI)

Form NODI:

Parameter	Monitoring Location	Season # Param. NOD	)I			antity or Lo						Quality or Con				# of E	c. Frequency of Analysis	Sample Type
Code Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units			
			Sample						=	3.7					19 - mg/L		01/01 - Daily	GR - GRAB
00300 Oxygen, dissolved [DO]	1 - Effluent Gross	0	Permit Req						>=	2 INST MIN	I				19 - mg/L	0	01/01 - Daily	GR - GRAB
			Value NOD	I														
			Sample	=	12839	=	17100	26 - Ib/d			=	16	=	19	19 - mg/L		01/01 - Daily	CP - COMPO
00310 BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	Permit Req		Req Mon MO AVO	3	Req Mon MX WK AV	26 - Ib/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPO
			Value NOD	I														
			Sample	=	310433	=	351287	26 - Ib/d			=	399	=	493	19 - mg/L		01/01 - Daily	CP - COMPO
00310 BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	Permit Req.		Req Mon MO AVO	3	Req Mon MX WK AV	26 - Ib/d				Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPO
			Value NODI	I														
			Sample						=	6.4			=	6.9	12 - SU		01/01 - Daily	GR - GRAB
00400 pH	1 - Effluent Gross	0	Permit Req						>=	6 MINIMUM	1		<=	9 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAB
			Value NOD															
			Sample	=	17248	=	24417	26 - Ib/d			=	22	=	24	19 - mg/L		01/01 - Daily	CP - COMPO
00530 Solids, total suspended	E - Secondary/Biological Process Complete	0	Permit Req.		Req Mon MO AVO	3	Req Mon MX WK AV	26 - Ib/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPO
			Value NODI	I														
			Sample	=	328360	=	416946	26 - Ib/d			=	410	=	481	19 - mg/L		01/01 - Daily	CP - COMPO
00530 Solids, total suspended	G - Raw Sewage Influent	0	Permit Req.		Req Mon MO AVO	3	Req Mon MX WK AV	26 - Ib/d				Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPO
			Value NOD	I														
			Sample	=	8881	=	10844	26 - Ib/d			=	12.2	=	15.5	19 - mg/L		01/01 - Daily	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	Permit Req.		Req Mon MO AVO	3	Req Mon MX WK AV	26 - Ib/d			<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPO
			Value NOD	I														
			Sample	=	9427	=	10538	26 - Ib/d			=	12.3	=	15.5	19 - mg/L		01/01 - Daily	CP - COMPO
00610 Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	Permit Req.		Req Mon MO AVO	3	Req Mon MX WK AV	26 - Ib/d				Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	CP - COMPO
			Value NOD	I														
			Sample	=	92.81	=	152.58	03 - MGD									99/99 - Continuous	CN - CONTIN
50050 Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	Permit Req.		Req Mon MO AVO	3	Req Mon DAILY MX	03 - MGD	)							0	99/99 - Continuous	CN - CONTIN
			Value NOD	I														
			Sample										<	0.015	19 - mg/L		01/01 - Daily	GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross	0	Permit Req										<=	.019 DAILY MX	19 - mg/L	0	01/01 - Daily	GR - GRAB
			Value NODI	I														
			Sample								=	82	=	151	13 - #/100m	L	01/01 - Daily	GR - GRAB
74055 Coliform, fecal general	1 - Effluent Gross	2	Permit Req								<=	1000 30DA GEO	<=	2000 7 DA GEO	13 - #/100m	L O	01/01 - Daily	GR - GRAB
			Value NODI	I														
			Sample						=	96					23 - %		01/30 - Monthly	CA - CALCTE
81010 BOD, 5-day, percent removal	K - Percent Removal	0	Permit Req						>=	85 MO MIN					23 - %	0	01/30 - Monthly	CA - CALCTE
			Value NODI	I														
			Sample						=	95					23 - %		01/30 - Monthly	CA - CALCTE
81011 Solids, suspended percent removal	K - Percent Removal	0	Permit Req						>=	85 MO MIN					23 - %	0	01/30 - Monthly	CA - CALCTD
			Value NOD	1														

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				Туре	Size
MFWQTC122014	Coverletter.pdf				pd	f	22159
201412_MFWQT0	C_OverflowReport.pdf				pd	f	126724
MFWQTC122014	MOR.pdf				pd	f	60021
Report Last Sa	ved By						
MORRIS FORM	AN WQTC MSD						
User:	robin.burch@louisvillemsd.org			Date/Time:	2015-01-23	08:11 (Time Zone: -05:00)	
Name:	Robin Burch		•				
E-Mail:	robin.burch@louisvillemsd.org						

# **DMR Copy of Record**

E-Mail:

robin.burch@louisvillemsd.org

Permit															
	10/0000444		l <sub>n</sub>	***			MODDIC	S EODMAN WOTO	MOD			le m	MOD	DIO EODMA	NUMOTO MOD
Permit #:	KY0022411			ermittee:				S FORMAN WQTC				Facility:			N WQTC MSD
Major:	Yes		Pe	ermittee A	ddress:			GONQUIN PKWY ILLE, KY 40211				Facility Location		ALGONQUI SVILLE, KY	
Permitted Feature:	001 External Outfall		D	ischarge:			001-B SECONI	DARY BYPASS							
Report Dates & Status			,												
Monitoring Period:	From 12/01/14 to 12/31/14		D	MR Due Da	ate:		01/28/15					Status:	NetD	MR Validate	ed
Considerations for Form Completi	on														
MONITORING DURING PERIODS O		NTION TO	O REGULAI	R MONITO	RING 1 - F	INAL EFFILIE	NTF - SEC	CONDARY BYPAS	S AFTE	R PRIMA	RYTREATMEN	IT			
	O CECCIONALLI BIT ACCIN ADE	ATTION TO	O REGOLA	IC WOINTO	itiivo.i i	IIVAL LITTEOL	INTI OLO	JONDART BITAC	O AL IL	-IX I IXIIVI/A	KTIKEATWE	11.			
Principal Executive Officer			I					<b>5</b>				I	500.5	40.0000	
First Name:	Greg		Ti	itle:			Executiv	e Director				Telephone:	502-5	40-6000	
Last Name:	Heitzman														
No Data Indicator (NODI)															
Form NODI:															
Parameter	Monitoring Location	Season #	Param. NOD	I		Qu	antity or Lo	ading				Quality or Conce	ntration	#	of Ex. Frequency of Analysis Sample Type
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1 Qualifier		Qualifier 3 Value 3	Units	
00310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Sample Permit Req.							=	50 = Req Mon MO AVG	= 54 Reg Mon MX WK A	19 - mg/L	01/11 - Once Every 11 Days CP - COMPOS WH/DS - When Discharging CP - COMPOS
00310 BOD, 5-day, 20 deg. C	1 - Elliderit Gross	U		Value NODI								Req Mon MO AVG	Req Mon MA VA	v 19 - 111g/L 0	WH/DS - WHEN DISCHARGING CF - COMPOS
				Sample							=	175 =	297	19 - mg/L	01/11 - Once Every 11 Days CP - COMPOS
00310 BOD, 5-day, 20 deg. C	F - Primary/Prelimary Process Complete	0		Permit Req.								Req Mon MO AVG	Req Mon MX WK A	V 19 - mg/L 0	WH/DS - When Discharging CP - COMPOS
				Value NODI											
00520 Salida total augmanded	1 - Effluent Gross	0		Sample Permit Req.							=	73 = Req Mon MO AVG	83 Req Mon MX WK A	19 - mg/L	01/11 - Once Every 11 Days CP - COMPOS WH/DS - When Discharging CP - COMPOS
00530 Solids, total suspended	1 - Elliderit Gross	U		Value NODI								Req Mon MO AVG	Req Mon MA VA	v 19 - 111g/L 0	WH/DS - WHEN DISCHARGING CF - COMPOS
				Sample							=	186 =	380	19 - mg/L	01/11 - Once Every 11 Days CP - COMPOS
00530 Solids, total suspended	F - Primary/Prelimary Process Complete	0		Permit Req.								Req Mon MO AVG	Req Mon MX WK A	V 19 - mg/L 0	WH/DS - When Discharging CP - COMPOS
				Value NODI											
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Sample Permit Req.							=	12.5 = Req Mon MO AVG	= 16.3 Req Mon MX WK A	19 - mg/L V 19 - mg/L 0	01/11 - Once Every 11 Days CP - COMPOS WH/DS - When Discharging CP - COMPOS
ooo to willogen, ammonia total [as N]	1 - Emdent Gross	O		Value NODI								Red Moll MO AVO	INCH MOIT MIX WIN A	V 19 - 111g/L 0	WII/DO - WHEII Discharging Ci - COWI Co
				Sample							=	13.9 =	17.6	19 - mg/L	01/11 - Once Every 11 Days CP - COMPOS
00610 Nitrogen, ammonia total [as N]	F - Primary/Prelimary Process Complete	0		Permit Req.								Req Mon MO AVG	Req Mon MX WK A	V 19 - mg/L 0	WH/DS - When Discharging CP - COMPOS
				Value NODI		04.40		40.40	00 1405						04/44 Once Francista Design ON CONTIN
50050 Flow, in conduit or thru treatment plant	F - Primary/Prelimary Process Complete	0		Sample Permit Req.		24.42 Req Mon MO AVO		42.48 Reg Mon MX WK AV	03 - MGD					0	01/11 - Once Every 11 Days CN - CONTIN WH/DS - When Discharging CN - CONTIN
second low, in conduct of the treatment plant	1 mary/r remnary r recess complete			Value NODI		rtoq mon mo /tvc		rtoq mon wix vite/tv	00 11102						William Dissilating Six Serving
Submission Note															
If a parameter row does not contain a	any values for the Sample nor Efflu	ent Tradi	ing then no	ne of the fo	llowing fie	lds will be subr	mitted for th	nat row: Units Nun	nher of F	Excursions	: Frequency of	Analysis and San	nnle Tyne		
Edit Check Errors	arry values for the Sample flor Ema	one maai	ing, mon no	110 01 1110 10	nowing no	ido Will be odbi	miliou for ti	iat row. Ornto, rvan		LXOUIGIOIIC	, i requeriey er	7 maryolo, and Can	рю туро.		
No errors.															
Comments															
Attachments															
No attachments.															
Report Last Saved By															
MORRIS FORMAN WQTC MSD															
User: robin.burch@louis	villemsd.org							Date/Time	):			2015-01-23	08:13 (Time Zone: -05:	00)	
Name: Robin Burch													(	,	

**DMR Copy of Record** Permit Permit #: KY0022411 Permittee: MORRIS FORMAN WQTC MSD Facility: MORRIS FORMAN WQTC MSD Major: Yes Permittee Address: 4522 ALGONQUIN PKWY **Facility Location: 4522 ALGONQUIN PKWY** LOUISVILLE, KY 40211 LOUISVILLE, KY 40211 001 Discharge: 001-Y **Permitted Feature:** External Outfall **BIOMONITORING/ONCE PER QUARTER** Report Dates & Status From 10/01/14 to 12/31/14 **DMR Due Date:** 01/28/15 Status: **NetDMR Validated Monitoring Period: Considerations for Form Completion Principal Executive Officer** Greg Title: **First Name: Executive Director** Telephone: 502-540-6000 **Last Name:** Heitzman No Data Indicator (NODI) Form NODI: 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 Code Value 2 Qualifier 3 Value 3 Units Sample 19 - mg/L 01/90 - Quarterly CP - COMPOS 00900 Hardness, total [as CaCO3] Req Mon MO AVG Req Mon DAILY MX 19 - mg/L CP - COMPOS 1 - Effluent Gross 0 Permit Red 01/90 - Quarterly Value NOD CP - COMPOS Sample 0.002 01/90 - Quarterly 0.002 19 - mg/L 01025 Cadmium, dissolved [as Cd] 1 - Effluent Gross 0 Permit Req. Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 0 01/90 - Quarterly CP - COMPOS Value NODI CP - COMPOS Sample 0.013 0.013 19 - mg/L 01/90 - Quarterly 01040 Copper, dissolved [as Cu] 1 - Effluent Gross Permit Req Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI CP - COMPOS Sample 0.006 0.006 19 - mg/L 01/90 - Quarterly CP - COMPOS 01049 Lead, dissolved [as Pb] 1 - Effluent Gross 0 Permit Req Reg Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly Value NODI 01/90 - Quarterly CP - COMPOS Sample 0.03 0.03 19 - mg/L 01090 Zinc, dissolved [as Zn] 1 - Effluent Gross Reg Mon MO AVG Req Mon DAILY MX 19 - mg/L CP - COMPOS 0 Permit Rea 01/90 - Quarterly Value NODI Sample 19 - mg/L 01/90 - Quarterly CP - COMPOS 0.03 0.03 01094 Zinc, total recoverable 1 - Effluent Gross 0 Permit Req. Reg Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI Sample 01/90 - Quarterly CP - COMPOS 0.002 0.002 19 - mg/L 01113 Cadmium, total recoverable 1 - Effluent Gross Permit Req Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly CP - COMPOS Value NODI CP - COMPOS Sample 0.006 0.006 19 - mg/L 01/90 - Quarterly CP - COMPOS 01114 Lead, total recoverable 1 - Effluent Gross 0 Permit Red Req Mon MO AVG Req Mon DAILY MX 19 - mg/L 01/90 - Quarterly Value NODI Sample 0.02 01/90 - Quarterly CP - COMPOS 0.02 19 - mg/L Req Mon DAILY MX 19 - mg/L 01119 Copper, total recoverable 1 - Effluent Gross Permit Rea Rea Mon MO AVG 01/90 - Quarterly CP - COMPOS Value NODI G2 - GRAB-2 Sample 2F - tox acute 01/90 - Quarterly 61406 Toxicity, final conc toxicity units 1 - Effluent Gross Permit Req 1 DAILY MX 2F - tox acute 0 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** 

Date/Time:

2015-01-23 08:15 (Time Zone: -05:00)

Name: Robin Burch

User:

E-Mail: robin.burch@louisvillemsd.org

robin.burch@louisvillemsd.org

## Press (Ctrl r) to recalculate spreadsheet.

MORRIS FORMAN WATER QUALITY TREATMENT CENTER
KPDE8 PERMIT NO. KY0022411 PLANT CAPACITY --

PLANT CAPACITY -

JEFFERSON COUNTY, KENTUCKY MONTH OF December 2014 120 MGO RECEIVING STREAM-OHIO RIVER

			- 1	TEM	(B			0.50																						
	WASTE	WATER FI	LOWS	(DEG		ρΗ		SET (M/L		TSS		D.O.	5	-DAY BOD																
		lion Gatton			/			(IADIC	<del>'  </del>	(mg/L)		(mg/L)		(mg/L)									[	ACTIV	/E	CI	ILORINATION	ĭ	FINAL	
		Sec.	-														IRN SEU				ATION BA		- 1	Sludge	Primary	Chlorine		Fecal	EFFLUE	ENT
DATE	Effluent 6	Effkient B	Зурава	raw !	final	raw fi	inal	raw f	inai i	raw fina		final	raw	prim. linai fin		FLOW	TSS a/L	TVSS	D.O	MLSS	MLVSS	SET	SVI	Wasted	Sludge	Dosage	Resid		NH3-N P	Pump.
12/1	202.77	139.21	63.56	59	59	7,1	5.5	12.1	3.8	416	120	7.1	243	203	76	27.6		g/L 11.7	mg/L 17.6	g/L 3.9	g/L 3.4	248	64	MG 0.72	MG	KLBS	mg/L	#/100 mi		Hours
12/2	103.74	103.74	0.00	56	56	7.2	6.5	13.9	0.2	372	29	8.2	404	174	17	26.0	13.8	11.6		3.3	2.8	223	71	0.72	0.31		0.015	960		0.00
12/3	85.71	85.71	0.00	59	59	7.2	6.6	16.8	0.1	538	21	7.3	439	181	14	27.1	14.6	12.1	16.4	4.8	4.0	342	71	0.70	0.31	5.32 1.48	0.015	19		0.00
12/4	129.10	110.02	19.08	56	56	7.0	6.6	17.1	0.6	468	44	6.5	541	244	37	27.5	15.1	12.8		4.6	3.8	310	68	0.64	0.27	2.99	0.015 0.015	25		0.00
12/5	183.38	140.95	42.43	59	59	7.2	6.6	9.5	1.3	250	64	4.8	293	202	61	27.9	15.3	13.1		3.5	2.9	223	64	0.60	0.30	5.17	0.015	99 2100		0.00
12/6	235.01	152.58	82.43	55	55	7.2	6.5	5.6	1.9	184	75	9.1	100	92	46	27.9	16.1	13.5		3.4	2.9	232	69	0.64	0.35	7.09	0.015	188		0.00 18.83
12/7	148.01	143.15	4.86	57	57	7.4	6.7	7.1	0.2	212	32	11.1	128	48	19	27.3	15.7	13.4	17.4	3.6	3.3	226	63	0.69	0.33		0.015	100		23.99
12/8	122.59	122,59	0.00	56	56	7.2	6.9	10.4	0.1	256	22	10.1	266	100	13	27.8	15.2	12.6	17.4	3.3	3.1	212	62	0.66	0.33	1.63	0.015	96		23.99
12/9 12/10	107.85 104.78	107.85	0.00	58	58	7.0	6.5	14.9	0.1	356	24	8.2	413	214	19	27.3	15.1	12.6	12.8	4.1	3.5	297	73	0.54	0.33	1.70	0.015	253		23.99
12/11		104.76	0.00	58	58	7.2	6.4	14.9	0.1	398	24	6.0	452	233	21	27.8	14.1	12.1	12.0	4.1	3.6	296	74	0.58	0.42		0.015	280		23.98
12/12	90.19 78.99	90.19 78.99	0.00	57 57	57 57	7.3	6.5	12.5	0.1	344	22	6.2	374	197	16	27.7	15.6	13.5	11.2	4.2	3.9	357	84	0.60	0.28	2.23	0.015	310		23.99
12/13	78.14	78.14	0.00	59	59	7.2	6.7	17.0	0.1	580	24	5.8	609	269	17	27.3	14.5	12.2		4.0	3.5	322	82	0.67	0.28	1.98	0.015	88		10.44
12/14	75,10	75.10	0.00	61	61	7.3 7.3	6.7 6.6	21.0	0.1	424	19	5.6	353	216	14	27.0	13.8	11.8	14.0	3.5	3.0	29.4	84	0.69	0.31	1.91	0.015	84		0.00
12/15	74.89	74.89	0.00	61	61	7.3	6.6	20.1 20.0	0.1	400	19.	3.7	647	394	16	27.1	13.9	12.0	12.9	4.0	3.4	436	110	0.65	0.21	1.40	0.015	36		0.00
12/16	101.20	98.56	2.64	60	60	7.0	6.7	22.0	0.1	384 568	16	5.4	400	174	11	25.7	12.3	10.9		4.1	3.8	406	99	0.98	0.22	1.22	0.015	21		0.00
12/17	74.44	74.44	0.00	57	57	7.1	6.6	21.5	0.8	508	56 24	5.2	532	297	42	21.2	13.1	11.4		3.7	3.4	280	75	0.82	0.33	1.76	0.015	370		0.00
12/18	71.08	71,08	0.00	56	56	7.2	6.7	23.5	0.1	624	25	3.8 5.7	583 716	227 370	17	16.5	13.8	11.8	10.0	5.1	4.3	482	94	0.62	0.33		0.015	204	12	0.00
12/19	86.27	66.27	0.00	57	57	7.2	6.7	19.2	0.5	488	44	5.1	544	436	20 30	11.7	13.1	11.6		4.6	4.3	551	121	0.69	0.33	1.37	0.015	230	14	0.00
12/20	84.15	64.15	0.00	58	58	7.4	6.7	17.2	0.4	432	32	5.2	400	344	22	7.8	13.7 14.5	11.8		4.5	3.9	512	114	0.79	0.33	1.29	0.015	140		0.00
12/21	61.49	61.49	0.00	55	55	7.5	6.7	15.0	0.1	362	19	4.8	276	238	12	7.0 6.7	15.4	12.9 12.7	10.8 10.9	4.6	4.3	621	137	0.80	0.32	1.60	0.015	48		0.00
12/22	69.73	66.80	0.93	58	58	7.3	6.7	20.0	0.3	474	22		388	209	19	7.6	14.8	12.9		4.6	3.9	566	124	0.78	0.33	1.18	0.015	128		0.00
12/23	122.48	104,94	17.54	5 <del>9</del>	59	7.0	6.7	23.0	6.5	588	204	5.2	437	257	128	12.1	15.2	12.7	11.9	4.3 4.0	3.7	486 374	113 92	0.75	0.36	1.05	0.015	. 41		0.00
12/24	113.89	101.08	12.81	60	60	7.0	6.6	13.5	2.0	316	102	5.2	387	198	65	15.9	15.3	12.9		4.0	3.2 3.2	356	94	0.87 0.87	0.31		0.015	1080		0.00
12/25	76.12	76.12	0.00	53	53	7.0	6.5	13.0	0.1	260	17	5.6	249	81	10	16.9	12.5	10.5	14.6	4.0	3.4	440	109	0.57	0.36 0.37	3.15	0.015	18		0.00
12/26	69.40	59.40	0.00	55	55	7.3	6.6	21.0	0.1	420	12	7.0	329	103	8	22.6	13.2	11.0	15.6	4.4	3.5	411	93	0.73	0.37	1.37 0.85	0.015	4.		0.00
12/27	81.84	79.02	2.82	59	59	7.3	5.7	17.0	0.1	332	14	6,2	261	99	9	23.9	13.3	11.1	16.1	3.5	2.9	44.8	127	0.71	0.33	1.21	0.015 0.015	13		0.00
12/28	124.48	105.05	19.43	56	56	7.3	6.7	18.0	2.0	368	71	10.4	217	79	51	26.7	12.2	10.3		3.0	2.6	297	98	0.67	0.32	2.89	0.015	13 42		0.00
12/29	83.13	63,13	0.00	56	56	7.4	6.9	16.0	0.1	326	12	10.1	277	80	10	27.8	10.4	8.6		3.1	2.5	266	86	0.70	0.33		0.015	24		0.00
12/30	74.64	74.64	0.00	55	55	7.1	6.8	21.0	0.1	644	15	5.8	584	178	13	27.4	9.4	7.8	15.1	2.9	2.4	277	95	0.58	0.33		0.015	80		0,00
12/31	70.81	70.81	0.00	54	54	6.9	6.6	14.5	0.1	426	14	7.0	512	246	13	27.3	10.4	8.9	15.3	3.1	2.8	289	92	0.46	0.35		0.015	188		0.00
Total	3145.4	2876.9	268.5						Ì										<u>-</u>							l	3,015	100		<del>-5.50</del>
Average	101.5	92.8	8.7	57.3	57.3	7.2	6.6	46.4	اہ	440			***			688.1							l	21.696	9.932				1	149,21
				07.3	51.5		0.0	16.4	0.7	410	40	6.6	399	206	28	22.2	13.8	11.8	14.1	3.9	3.4	336	90	0.70	0.32	2.37	0.015	82	13	

SEWER CONNECTIONS

130908 TIMES 4 =

523832 SEWER POPULATION

| IND.WASTEWATER POPULATION EQ | CUSTOMERS | 306 | FLOW | 442691 | BOD | 1460061 | TSS | 1129530

Authorized Agent

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of	 	Dec-14
Average Flow		

	Primary		Secondary	
SETTLING TANKS	1	Battery A	Battery B	Battery C
Average Flow (MGD)	101.46	29.42	39.61	10.00
Tanks in Service	4.00	8.0	8.0	4.0
Surface Area (Ft.2)	77000.00	69200.00	69200.00	34506.94
Volume (MG)	8.33	7.09	7.09	3.53
Weir Length (Ft:)	2850.00	2868.00	2868.00	1430.14
Avg. Weir Overtiow (GPD/Ft)	35476.88	10256.40	13809.45	6994.02
Avg. Settling Rate (GPD/Ft2)	1317.71	569.47	672.01	436.77
Avg. Detention Time	1.97	5.78	4,30	8.48

AERATION TANKS	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	39.41	46.50	15.07
Avg. Detention Time (Hours)	3.43	2.55	5.04

## CHLORINE CONTACT CHAMBERS

Contact Chambers in Use 2.0
Volume (Gatlons) 2340000
Avg. Detention Time (Hours) 0.95

Remarks: BY-PASS REPORTS (See Attached)





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 00746 804 N ARBOR DR MIDDLE FORK BEARGRASS CREEK

**Activity Code / Description** WO# Ref No Initiated **Initiated By** Assigned To **Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT **GREEN** LACK OF UNAUTHORIZED 2273441 12/6/14 **OPS BSHIFT** DOCUMENTED 12/16/2000 12/06/14 12:12 DISCHARGE 12:12 pm CENTRAL SYSTEM DISCHAGE - WATERS CAPACITY

#### Discharge Reporting:

Discharge Amount:	1,815 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

12/7/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 00817 806 PINE WAY MIDDLE FORK BEARGRASS CREEK

GROUND
BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated **Initiated By** Assigned To **Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT **GREEN** LACK OF UNAUTHORIZED 2273407 12/6/14 **OPS ASHIFT** DOCUMENTED 12/05/2011 12/06/14 11:20

DISCHARGE 3:40 am SYSTEM DISCHAGE - WATERS AN

CAPACITY

## Discharge Reporting:

Discharge Amount:	9,200 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

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 BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT 2273396 **GRIFFITH** LACK OF UNAUTHORIZED 12/6/14 **GRIFFITH** DOCUMENTED 11/29/2001 12/06/14 08:00 DISCHARGE 1:50 am SYSTEM DISCHAGE - WATERS CAPACITY

#### Discharge Reporting:

Discharge Amount:	2,443,790 GAL	
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.	
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.	
Impact:	LIGHT DEBRIS OBSERVED.	
Repair:	LOCATION INCLUDED IN IOAP.	
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.	

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

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 DITCH

BEARGRASS CREEK

CAPACITY

Ref No **Activity Code / Description** WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT 2273388 12/5/14 **GRIFFITH** LACK OF UNAUTHORIZED **GRIFFITH** DOCUMENTED 01/24/2002 12/06/14 08:00 DISCHARGE 9:33 pm SYSTEM DISCHAGE - WATERS

Discharge Reporting:

Discharge Amount:	13,600 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273591
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/3/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to
SMH Sewer Manhole 27007 1013 ALTA CIR MIDDLE FORK STREAM

BEARGRASS CREEK

CAPACITY

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT 2273392 **FIELDS** LACK OF UNAUTHORIZED 12/6/14 **GRIFFITH** DOCUMENTED 02/05/2014 12/06/14 11:26 DISCHARGE 3:10 am SYSTEM DISCHAGE - WATERS

#### Discharge Reporting:

Discharge Amount:	3,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273578
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'



CAPACITY



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

**DISREV** 

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 40871 2120 INDIAN HILLS TRL MUDDY FORK BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated **Initiated By** Assigned To **Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT **GREEN** LACK OF UNAUTHORIZED 2273425 12/6/14 **OPS BSHIFT** DOCUMENTED 03/04/2008 12/06/14 09:05 DISCHARGE 10:32 am EAST SYSTEM DISCHAGE - WATERS

#### Discharge Reporting:

Discharge Amount:	94,950 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGN PLACED
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AREA

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'



CAPACITY



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 40872 2105 INDIAN HILLS TRL MUDDY FORK BEARGRASS CREEK

GROUND
BEARGRASS CREEK

**Activity Code / Description** WO# Ref No Initiated **Initiated By** Assigned To **Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT MARKS JR LACK OF UNAUTHORIZED 2273424 12/6/14 **OPS BSHIFT** DOCUMENTED 12/15/2007 12/06/14 09:05 DISCHARGE 10:32 am EAST SYSTEM DISCHAGE - WATERS

#### Discharge Reporting:

Discharge Amount:	94,950 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to
SMH Sewer Manhole 42680 4640 BARBOUR LN LITTLE GOOSE CREEK STREAM

**Activity Code / Description** WO # Ref No **Initiated By** Initiated **Assigned To Disch Status Event Date Problem** Result Completed Condition **DISREV:RAIN EVENT** 2273547 12/7/14 MARKS JR **OPS BSHIFT** DOCUMENTED 03/19/2008 **OBSTRUCTION-N** UNAUTHORIZED 12/07/14 02:10 DISCHARGE **EAST** OT GREASE / DISCHAGE - WATERS 2:07 pm PM ROOTS

#### Discharge Reporting:

Discharge Amount:	300 GAL
Cause:	#4 pump blockage caused debris from rain event.
Clean Up:	msd cleaned and sanitized area .
Control Zone:	msd set up temporary signs to warn public
Impact:	msd observed #4 pump
Repair:	msd switched to pump5 while blockage is removed .
Public Notification:	msd used temporary signs to warn public

12/8/14 1:01 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/7/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

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

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT 2273393 **FIELDS** LACK OF UNAUTHORIZED 12/6/14 **GRIFFITH** DOCUMENTED 05/10/2014 12/06/14 11:26 DISCHARGE 3:10 am SYSTEM DISCHAGE - WATERS CAPACITY

#### Discharge Reporting:

Discharge Amount:	3,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273393
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 45835 1132 ROSTREVOR CIR MIDDLE FORK BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT **FIELDS** LACK OF UNAUTHORIZED 2273394 12/6/14 **GRIFFITH** DOCUMENTED 09/02/2003 12/06/14 11:00 DISCHARGE 3:03 am SYSTEM DISCHAGE - WATERS CAPACITY

#### Discharge Reporting:

Discharge Amount:	3,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273575
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 47582 201 BULLITT LN MIDDLE FORK BEARGRASS CREEK

STREAM
BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT **FIELDS** LACK OF UNAUTHORIZED 2273399 12/6/14 **GRIFFITH** DOCUMENTED 12/05/2011 12/06/14 11:30 DISCHARGE 3:49 am SYSTEM DISCHAGE - WATERS CAPACITY

#### Discharge Reporting:

Discharge Amount:	3,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273568
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'



CAPACITY



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

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

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT **FIELDS** LACK OF UNAUTHORIZED 2273398 12/6/14 **GRIFFITH** DOCUMENTED 02/06/2008 12/06/14 05:25

DISCHARGE 3:49 am SYSTEM DISCHAGE - WATERS A

Discharge Reporting:

Discharge Amount:	18,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273568
Control Zono	CAUTION TARE AND TEMPORARY CIONERIA CER
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to
SMH Sewer Manhole 51160 3305 INDIAN CREEK CT SOUTH FORK GROUND

BEARGRASS CREEK

CAPACITY

Ref No **Activity Code / Description** WO# Initiated **Initiated By Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT MITCHELL LACK OF UNAUTHORIZED 2273571 12/6/14 **GRIFFITH** DOCUMENTED 04/04/2008 12/06/14 09:10 DISCHARGE 6:15 am SYSTEM DISCHAGE - WATERS

#### Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273572
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

	12/8/14 1:01 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'	
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DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

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 DITCH

BEARGRASS CREEK

**Activity Code / Description** WO# Ref No Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT 2273402 MITCHELL LACK OF UNAUTHORIZED 12/6/14 **GRIFFITH** DOCUMENTED 09/12/2006 12/06/14 06:05 DISCHARGE 12:54 am SYSTEM DISCHAGE - WATERS

CAPACITY

#### Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO# 2273569
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





**DISREV** 

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to
SMN Sewer Main 67844B-AG 1449 FRANKFORT AVE SOUTH FORK BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date** Problem Result Completed Condition **SMITH BROOKS** UTILITY UNAUTHORIZED **DISDW:DRY WEATHER** 2274763 12/10/14 REPAIRED -12/11/2014 12/11/14 05:15 DISCHARGE 3:30 pm ISSUE DAMAGED MSD DISCHAGE - WATERS

**RESOLVED** 

**ASSET** 

#### Discharge Reporting:

Discharge Amount:	1,507,875 GAL
Cause:	UTILITY CONTRACTOR DRILLED THROUGH 24" OHIO RIVER FORCE MAIN
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA. MSD PERSONNEL LIMED THE AREA
Control Zone:	TEMP SIGNS, BARRICADES, CONES, AND CLOSED FRANKFORT AVE AT RIVER ROAD
Impact:	SEWAGE FLOWING INTO AN C/B
Repair:	CONTRACTOR REPAIRED THE OHIO RIVER FORCE MAIN
Public Notification:	MSD WEBSITE HAS BEEN UPDATED

12/11/14 1:00 am DISNOT		Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	
12/8/14 1:01 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 72289 1700 SULGRAVE RD MIDDLE FORK BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition DISREV:RAIN EVENT 2273391 **FIELDS** LACK OF UNAUTHORIZED 12/6/14 **GRIFFITH** DOCUMENTED 05/29/2012 12/06/14 11:30 DISCHARGE 3:15 am SYSTEM DISCHAGE - WATERS CAPACITY

#### Discharge Reporting:

Discharge Amount:	4,500 GAL
Cause:	LACK OF SYSTEM CAPACITY-RAIN.
Clean Up:	WO# 2273579
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'



Initiated Dec 01, 2014 12:00 AM thru Dec 31, 2014 11:59 PM

Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

**DISREV** 

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to

SMH Sewer Manhole 89646 4 RIVER BLUFF RD MUDDY FORK BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated **Initiated By** Assigned To **Disch Status Event Date** Problem Result Completed Condition MARKS JR UTILITY UNAUTHORIZED **DISDW:DRY WEATHER** 2277198 12/11/14 **OPS BSHIFT** DOCUMENTED 12/12/14 10:12 12/27/2011 DISCHARGE 4:14 pm EAST DAMAGED MSD DISCHAGE - WATERS

CCET

ASSET

#### Discharge Reporting:

Discharge Amount:	9,400 GAL
Cause:	CONTRACTOR BROKE THE OHIO RIVER FORCE MAIN CAUSING STATIONS TO BE SHUT DOWN RESULTING IN DISCHARGES
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA
Impact:	DISCOLORATION IN THE STREAM AND SEWAGE OBSERVED ON THE GROUND.
Repair:	CONTRACTOR REPAIRED THE OHIO RIVER FORCE MAIN
Public Notification:	MSD WEBSITE UPDATED

12/12/14 1:01 am DISNOT		Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'		
12/11/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'		





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID			Facility Address		If Pump Station, Name of Pump Station:		Receiving Stream	Disch	arge to		
SLS Sewer Lift Station	MS	D0123-PS		6600 SEMINA	RY WOODS PL	WEST GO	OSE CREEK		GOOSE CREEK	DITCH	
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition

DISDW:DRY WEATHER 2274910 12/11/14 SINGLETON **OPS BSHIFT** DOCUMENTED UTILITY UNAUTHORIZED 12/11/14 04:52 09/28/2002 DISCHARGE **EAST** DAMAGED MSD DISCHAGE - WATERS PM 10:49 am

ASSET

Discharge Reporting:

Discharge Amount:	18,150 GAL
Cause:	CONTRACTOR BROKE THE OHIO RIVER FORCE MAIN CAUSING THE STATION TO BE SHUT DOWN RESULTING IN A DISCHARGE
Clean Up:	MSD CLEANED & SANITIZED THE AFFECTED AREA
Control Zone:	TEMPORARY SIGNS, BARRICADES & TAPE ARE BEING PLACED AROUND THE AFFECTED AREA
Impact:	SEWAGE, SOLIDS, PERSONAL HYGIENE PRODUCTS, DEBRIS & SEWAGE OBSERVED ON THE GROUND
Repair:	CONTRACTOR HAS REPAIRED THE OHIO RIVER FORCE MAIN
Public Notification:	MSD WEBSITE HAS BEEN UPDATED & SIGNS HAVE BEEN PLACED AROUND THE AFFECTED AREA

12/11/14 1:00 pm	DISNOT	SNOT Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'				
12/11/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'				

Condition





Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW,

DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

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 DITCH

BEARGRASS CREEK

Ref No **Activity Code / Description** WO# Initiated Initiated By Assigned To **Disch Status Event Date Problem** Result Completed DISREV:RAIN EVENT **GREEN** UNAUTHORIZED 2273426 12/6/14 **OPS BSHIFT** DOCUMENTED 01/27/2012 LACK OF 12/06/14 09:05

DISCHARGE 10:32 am EAST SYSTEM DISCHAGE - WATERS PM

CAPACITY

#### Discharge Reporting:

Discharge Amount:	31,650 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

12/6/14 1:00 pm DISNOT		Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	





DISREV

KPDES# Facility ID Water Quality Treatement Center Receiving Stream of Treatment Center Region

**KY0022411 (Cont'd)** MSD0278 MORRIS FORMAN OHIO RIVER WEST

**WO**# **Initiated By Disch Status Event Date Problem** Condition Ref No <u>Initiated</u> **Assigned To Activity Code / Description** Result Completed 2276088 12/11/2014 **OPS BSHIFT SINGLETON** DOCUMENTED 01/27/2012 UTILITY **DISDW:DRY WEATHER UNAUTHORIZED** 12/11/14 05:28

DISCHARGE 2:07:00PM EAST DAMAGED MSD DISCHAGE - WATERS PM

ASSET

## Discharge Reporting:

Discharge Amount:	10,050 GAL
Cause:	CONTRACTOR BROKE THROUGH THE OHIO RIVER FORCE MAIN CAUSING THE STATION TO BE SHUT DOWN RESULTING IN DISCHARGE
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	DISCOLORATION NOTICED IN THE STREAM AND SEWAGE OBSERVED ON THE GROUND.
Repair:	CONTRACTOR HAS REPAIRED THE OHIO RIVER FORCE MAIN
Public Notification:	MSD WEBSITE HAS BEEN UPDATED

12/12/14 1:01 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
12/11/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'





DISREV

KPDES #Facility IDWater Quality Treatement CenterReceiving Stream of Treatment CenterRegionKY0022411MSD0278MORRIS FORMANOHIO RIVERWEST

Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to
SLS Sewer Lift Station MSD0192-PS 4640 BARBOUR LN BARBOUR LANE LITTLE GOOSE CREEK STREAM

**Activity Code / Description** WO # Ref No **Initiated By Disch Status** Initiated Assigned To **Event Date Problem** Result Completed Condition DISDW:DRY WEATHER 2274930 12/11/14 SINGLETON **OPS BSHIFT** DOCUMENTED 12/16/2000 UTILITY UNAUTHORIZED 12/11/14 05:08 DISCHARGE **DISCHAGE - WATERS EAST** DAMAGED MSD PM 11:05 am **ASSET** 

#### Discharge Reporting:

Discharge Amount:	108,900 GAL
Cause:	CONTRACTOR BROKE THE OHIO RIVER FORCE MAIN CAUSING THE STATION TO BE SHUT DOWN RESULTING IN DISCHARGE
Clean Up:	MSD CLEANED & SANITIZED THE AFFECTED AREA
Control Zone:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	CONTRACTOR REPAIRED THE OHIO RIVER FORCE MAIN
Public Notification:	MSD WEBSITE HAS BEEN UPDATED AND SIGNS HAVE BEEN PLACED

#### Notifications:

12/11/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	
12/11/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'	

Total Facilities Printed: 20

Total Work Orders Printed:

21

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