



700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

December 17, 2010

Carolena Bentley  
Division of Water  
Surface Water Permits Branch  
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. Bentley:

In accordance with the provisions of the KPDES Permit referenced above, the monthly operating report and the monthly Discharge Monitoring Report (DMR) for the reporting period November 1<sup>st</sup> to November 30<sup>th</sup> are enclosed. All permit requirements were met for the month of November, 2010.

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

Sincerely,

A handwritten signature in black ink that reads "Alex E. Novak". The signature is written in a cursive style.

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

paw

MFDMR1110.doc

Enclosures

cc: C. Roth, DOW-Louisville    A. Vicory, ORSANCO



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)  
NAME MSD MORRIS FORMAN WQTC  
ADDRESS C/O LOUISVILLE/JEFF CO MSD  
4522 ALGONQUIN PKWY  
LOUISVILLE, KY 40211-2497  
FACILITY MSD MORRIS FORM WQTC  
LOCATION LOUISVILLE, KY 40211

KY0022411	0011
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR (SUBR LV)  
F - FINAL JEFFE  
MUNICIPAL DISCHARGE EFFLUENT  
\*\*\* NO DISCHARGE \*\*\*

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
10	11	01		10	11	30

ATTN: ALEX E NOVAK, OPER DIR

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
OXYGEN, DISSOLVED (DO) 00300 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	4.9	*****	*****	(19)	0	30/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	2.0 INST MIN	*****	*****	MG/L		DAILY	GRAB
BOD, 5-DAY (20 DEG. C) 00310 E 0 0	SAMPLE MEASUREMENT	10,508	13,768	(26)	*****	16	21	(19)	0	30/30	COMPOS
SEC/BIOLOGICAL PRCS CMLPT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	30 MO AVG	45 MX WK AV	MG/L		DAILY	COMPOS
BOD, 5-DAY (20 DEG. C) 00310 G 0 0	SAMPLE MEASUREMENT	283,485	344,258	(26)	*****	410	525	(19)	0	30/30	COMPOS
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		DAILY	COMPOS
PH 00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	6.5	*****	6.9	(12)	0	30/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 E 0 0	SAMPLE MEASUREMENT	8,461	14,727	(26)	*****	12	15	(19)	0	30/30	COMPOS
SEC/BIOLOGICAL PRCS CMLPT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	30 MO AVG	45 MX WK AV	MG/L		DAILY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 G 0 0	SAMPLE MEASUREMENT	337,160	415,760	(26)	*****	461	525	(19)	0	30/30	COMPOS
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		DAILY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 E 0 0	SAMPLE MEASUREMENT	8,822	9,608	(26)	*****	14.5	18.4	(19)	0	30/30	COMPOS
SEC/BIOLOGICAL PRCS CMLPT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	20 MO AVG	30 MX WK AV	MG/L		DAILY	COMPOS
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.							Telephone		DATE	
H. J. SCHARDEIN, JR. EXECUTIVE DIRECTOR								502   540-6000		10-12-16	
								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA	NUMBER

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

G - INFLUENT  
E - SECONDARY EFFLUENT  
1 - FINAL EFFLUENT

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

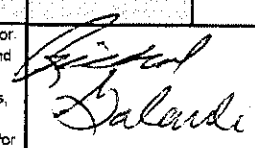
NAME MSD MORRIS FORMAN WQTC  
ADDRESS C/O LOUISVILLE/JEFF CO MSD  
4522 ALGONQUIN PKWY  
LOUISVILLE, KY 40211-2497  
FACILITY MSD MORRIS FORM WQTC  
LOCATION LOUISVILLE, KY 40211

KY0022411	0011
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR (SUBR LV)  
F - FINAL JEFFE  
MUNICIPAL DISCHARGE EFFLUENT  
\*\*\* NO DISCHARGE \*\*\*

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
10	11	01		10	11	30

ATTN: ALEX E NOVAK, OPER DIR

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0	SAMPLE MEASUREMENT	9383	10477	(26)	*****	15.5	19.4	(19)	0	30/30	COMPOS
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		DAILY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 E 0 0	SAMPLE MEASUREMENT	81.1	190.4	(03)	*****	*****	*****	****	0	30/30	CONTIN
SEC/BIOLOGICAL PROCESSES COMPLIANCE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.010	(19)	0	30/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.019 DAILY MX	MG/L		DAILY	GRAB
COLIFORM, FECAL GENERAL 74055 1 1 0	SAMPLE MEASUREMENT	*****	*****	****	*****	60	117	(13)	0	30/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	1000 30DA GEO	2000 7 DA GEO	#/ 100ML		DAILY	GRAB
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0	SAMPLE MEASUREMENT	*****	*****	****	97	*****	*****	(23)	0	ONCE/MONTH	CALCTD
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MO MIN	*****	*****	PER-CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	****	98	*****	*****	(23)	0	ONCE/MONTH	CALCTD
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MO MIN	*****	*****	PER-CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPLE EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.								Telephone		DATE
H. J. SCHARDEIN, JR. EXECUTIVE DIRECTOR	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								502 540-6000		10-12-16
									AREA	NUMBER	YEAR - MO - DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

G - INFLUENT  
E - SECONDARY EFFLUENT  
F - SECONDARY BYPASS AFTER PRIMARY TREATMENT.

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

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PERMITTEE NAME/ADDRESS (Include Facility Name/Address if Different)  
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4522 ALGONQUIN PKWY  
LOUISVILLE, KY 40211-2497  
FACILITY MSD MORRIS FORM WQTC  
LOCATION LOUISVILLE, KY 40211

KY0022411	001 B
PERMIT NUMBER	DISCHARGE NUMBER

MAJOR (SUBR LV)  
F - FINAL JEFFE  
SECONDARY BYPASS  
EFFLUENT  
\*\*\* NO DISCHARGE \*\*\*

MONITORING PERIOD						
YEAR	MONTH	DAY	TO	YEAR	MONTH	DAY
10	11	01		10	11	30

ATTN: ALEX E NOVAK, OPER DIR

Parameter		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 F 0 0 PRI/PRLM PRCS CMPLT	SAMPLE MEASUREMENT	*****	*****	****	*****	175	221	( 19 )	0	9/30	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WHEN DISCHG	COMPOS
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	54	56	( 19 )	0	9/30	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WHEN DISCHG	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 F 0 0 PRI/PRLM PRCS CMPLT	SAMPLE MEASUREMENT	*****	*****	****	*****	203	280	( 19 )	0	9/30	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WHEN DISCHG	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	93	101	( 19 )	0	9/30	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WHEN DISCHG	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 F 0 0 PRI/PRLM PRCS CMPLT	SAMPLE MEASUREMENT	*****	*****	****	*****	11.1	14.5	( 19 )	0	9/30	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WHEN DISCHG	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	10.1	12.9	( 19 )	0	9/30	COMPOS
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WHEN DISCHG	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 F 0 0 PRI/PRLM PRCS CMPLT	SAMPLE MEASUREMENT	54.70	54.94	( 03 )	*****	*****	*****	****	0	9/30	CONTIN
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	MGD	*****	*****	*****	****		WHEN DISCHG	CONTIN
NAME/TITLE PRINCIPLE EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.								Telephone	DATE	
H. J. SCHARDEIN, JR. EXECUTIVE DIRECTOR									502	540-6000	10-12-16
									SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
MONITORING DURING PERIODS OF SECONDARY BYPASS IN ADDITION TO REGULAR MONITORING.  
1 - FINAL EFFLUENT  
F - SECONDARY BYPASS AFTER PRIMARY TREATMENT.

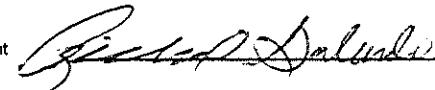
DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (ML)		TSS (mg/L)		TS (mg/L)		D.O. (mg/L)	5-DAY BOD (mg/L)			RETURN SLUDGE FLOW TSS TVSS					AERATION BASIN					ACTIVE		CHLORINATION			FINAL EFFLUENT	
	Effluent	Effluent	Bypass	raw	final	raw	final	raw	final	raw	final	raw	final	final	raw	prim.	final	final	MG	g/L	g/L	mg/L	g/L	g/L	SVI	Sludge Wasted MG	Primary Sludge MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours		
																																	MLSS	MLVSS
11/1	57.5	57.5	0.0	70	70	7.3	6.8	22.0	0.3	630	44			8.0	248	194	30	23.0	7.8	6.8	17.7	3.1	2.8	239	72	0.88	0.19	2.23	0.010	21	18	0.00		
11/2	81.6	81.6	0.0	70	70	7.4	6.6	11.0	0.1	508	27			7.0	470	286	26	23.6	9.9	8.4	16.8	3.1	2.8	202	64	0.90	0.25	2.06	0.010	40	19	0.00		
11/3	84.8	84.8	0.0	73	73	7.3	6.6	17.0	0.1	784	24			7.0	723	343	22	25.0	8.8	7.3	14.4	3.3	2.8	224	67	0.95	0.34	2.10	0.010	44	17	0.00		
11/4	63.2	63.2	0.0	72	72	7.3	6.7	8.5	0.1	408	22			8.7	383	248	19	23.9	9.4	8.1	13.5	3.4	2.8	249	75	0.81	0.37	1.27	0.010	4	17	0.00		
11/5	84.4	84.4	0.0	70	70	7.4	6.7	6.0	0.1	250	23			7.0	357	259	19	23.2	9.4	8.1	15.6	3.4	3.0	280	88	0.93	0.21	2.03	0.010	11	20	0.00		
11/6	58.0	58.0	0.0	71	71	6.8	6.7	10.0	0.1	296	15			7.0	409	313	24	23.9	10.1	8.6	15.7	3.4	2.9	284	85	0.87	0.23	1.97	0.010	74	19	0.00		
11/7	57.2	57.2	0.0	69	69	7.2	6.7	8.0	0.1	602	39			7.0	418	375	18	23.5	9.4	8.2	15.6	3.3	3.0	28	86	1.01	0.26	2.20	0.010	23	19	0.00		
11/8	58.3	58.3	0.0	71	72	7.3	6.7	15.0	0.1	488	20			6.5	410	345	15	24.5	10.9	9.4	14.5	3.4	2.9	248	74	1.03	0.31	2.18	0.010	2	17	0.00		
11/9	59.6	59.6	0.0	72	72	7.1	6.7	19.0	0.1	484	20			5.8	487	309	16	23.8	9.5	7.7	9.3	3.2	2.5	234	73	1.00	0.37	2.00	0.010	4	21	0.00		
11/10	80.3	80.3	0.0	75	75	7.1	6.7	18.0	0.2	626	32			5.3	616	380	26	25.0	9.9	8.4	7.0	3.7	3.2	226	65	0.98	0.35	2.03	0.010	98	21	0.00		
11/11	59.1	59.1	0.0	74	74	7.1	6.7	15.0	0.3	584	37			4.9	552	344	28	24.9	9.9	8.8	8.2	3.4	2.8	248	74	0.94	0.33	2.30	0.010	91	22	0.00		
11/12	58.7	58.7	0.0	71	71	7.2	6.7	17.0	0.2	424	32			8.1	596	518	27	23.8	9.4	8.1	9.1	3.4	3.0	251	73	0.94	0.30	2.30	0.010	80	21	0.00		
11/13	61.4	61.4	0.0	71	72	7.3	6.7	24.0	0.3	408	33			8.1	512	255	25	23.7	11.6	9.7	9.3	3.7	3.1	306	84	0.97	0.29	2.17	0.010	58	21	0.00		
11/14	65.9	65.9	0.0	71	71	7.0	6.7	31.0	0.3	634	30			6.9	499	250	21	23.6	10.5	8.9	9.8	3.2	2.8	291	84	0.98	0.32	1.77	0.010	136	20	0.00		
11/15	63.4	63.4	0.0	68	68	7.0	6.6	18.0	0.4	518	31			6.1	353	271	22	24.1	8.5	7.3	11.8	3.7	3.1	288	81	0.98	0.32	1.67	0.010	119	19	0.00		
11/16	169.3	100.9	68.4	68	68	7.0	6.6	22.0	3.0	612	151			5.8	405	257	84	24.6	10.7	9.3	11.9	3.1	2.7	209	71	0.92	0.29	7.17	0.010	490	18	0.00		
11/17	131.9	114.5	17.4	63	63	7.2	6.5	15.0	0.5	402	50			8.4	336	185	28	26.3	14.3	11.9	14.0	3.5	2.9	208	63	0.90	0.18	7.17	0.010	50	8	0.00		
11/18	85.4	85.4	0.0	66	66	6.9	6.6	22.0	0.1	588	21			6.4	465	252	18	25.8	13.9	11.4	11.1	3.7	3.0	218	62	1.01	0.15	1.44	0.010	82	13	0.00		
11/19	75.7	75.7	0.0	66	66	6.9	6.6	25.0	0.1	580	20			6.2	572	323	14	24.3	12.3	10.0	9.8	3.9	3.2	251	63	1.01	0.18	1.39	0.010	91	15	0.00		
11/20	88.8	88.8	0.0	67	67	6.9	6.7	9.5	0.1	506	19			6.0	615	482	19	26.1	13.8	11.2	8.8	4.2	3.6	250	61	0.90	0.15	1.39	0.010	40	18	0.00		
11/21	66.1	66.1	0.0	70	70	6.9	6.8	24.0	0.1	488	31			5.4	429	492	26	27.3	13.7	11.5	8.3	4.4	3.7	253	58	0.93	0.09	1.41	0.010	340	17	0.00		
11/22	68.2	68.2	0.0	72	72	7.2	6.5	20.0	0.1	520	21			6.4	563	244	12	27.7	16.6	13.7	12.1	5.0	4.2	304	61	0.97	0.13	1.41	0.010	111	18	0.00		
11/23	136.0	104.5	31.5	67	67	7.0	6.6	21.0	4.0	650	185			6.3	427	319	101	29.6	19.1	15.5	9.6	4.7	3.9	282	61	1.04	0.26	3.87	0.010	3650	16	0.00		
11/24	188.4	105.4	63.0	63	63	7.2	6.5	9.0	4.0	290	158			7.5	250	194	83	30.0	17.9	14.1	9.0	4.9	4.0	318	64	1.10	0.35	6.01	0.010	27	11	0.00		
11/25	243.7	147.2	96.5	61	61	6.7	6.6	10.0	1.7	270	85			7.9	159	102	40	30.7	18.9	13.3	12.7	3.7	3.0	247	67	1.06	0.21	6.01	0.010	15	4	0.00		
11/26	205.1	130.9	74.2	59	59	7.1	6.7	8.0	1.8	188	44			8.8	128	115	40	30.4	15.5	12.3	14.1	3.8	3.0	283	75	1.15	0.14	4.39	0.010	214	4	0.00		
11/27	125.9	116.4	9.5	60	60	7.3	6.9	8.5	0.1	252	22			7.3	199	121	13	30.1	15.3	11.8	12.9	3.6	2.8	230	64	1.16	0.21	2.27	0.010	18	9	0.00		
11/28	90.7	90.7	0.0	62	62	7.3	6.9	10.5	0.1	262	18			7.4	245	113	12	29.5	15.7	12.4	11.9	3.6	2.8	243	69	0.97	0.20	0.97	0.010	89	14	0.00		
11/29	110.7	97.8	12.9	63	63	7.1	6.9	15.0	2.0	388	63			7.1	332	184	32	28.9	14.1	11.5	10.8	3.9	3.1	200	52	0.99	0.20	2.02	0.010	40	15	0.00		
11/30	265.0	148.0	119.0	64	64	7.2	6.7	8.0	2.5	224	97			8.2	139	101	61	28.4	15.3	12.1	11.0	2.9	2.4	188	64	0.97	0.24	4.13	0.010	2900	6	0.00		
Total	2824.3	2431.9	492.4															779.2								28.240	7.440					0.00		
Average	97.5	81.1	16.4	68	68	7.1	6.7	15.5	0.8	461	46			6.6	410	272	31	26.9	12.3	10.2	11.9	3.7	3.0	242	70	0.97	0.25	2.71	0.010	60	16	0.00		

SEWER CONNECTIONS

130555 TIMES 4 = 522220 SEWER POPULATION

IND. WASTER POPULATION EQ  
 CUSTOMERS                    327  
 FLOW                            406129  
 BOD                             1437003  
 TSS                             1281636

Authorized Agent



Certification No. 4683

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of **Nov-10**

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	113.4	41.12	36.57	13.19
Tanks in Service	4.00	7.83	7.67	2.83
Surface Area (Ft.2)	77000.00	67729.50	66345.50	24479.50
Volume (MG)	8.33	6.94	6.80	2.51
Weir Length (Ft.)	2860.00	2807.06	2749.70	1014.56
Avg. Weir Overflow (GPD/Ft)	39639.78	14649.61	13299.74	12999.77
Avg. Settling Rate (GPD/Ft2)	1472.33	769.93	685.41	712.51
Avg. Detention Time	1.76	4.05	4.46	4.56

**AERATION TANKS**

**Battery A    Battery B    Battery C**

Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	53.25	47.41	17.15
Avg. Detention Time (Hours)	1.89	2.13	2.94

**CHLORINE CONTACT CHAMBERS**

Contact Chambers in Use	2.00
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	0.50

Remarks: BY-PASS REPORTS (See Attached)



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 08935-SM	<b>Facility Address</b> 1001 BRECKENRIDGE LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170725	11/25/10 06:43 PM	GRIFFITH	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 03:21 AM	

**Spot Inspections:**

<b>Discharge Amount:</b>	1,126,398 GAL
<b>Cause:</b>	LACK OF SYSTEM CAPACITY-HEAVY RAIN
<b>Clean Up:</b>	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING
<b>Control Zone:</b>	NONE NEEDED-MSD PROPERTY
<b>Impact:</b>	NO IMPACT OBSERVED-PIPE SUBMERGED
<b>Repair:</b>	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE ISSDP

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 01:22 PM	DISPUB	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 104231	<b>Facility Address</b> 4119 LEE AVE	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CAMP TAYLOR DITCH	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170745	11/25/10 05:28 PM	MITCHELL	GRIFFITH	DOCUMENTED	10/23/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/30/10 06:16 AM	

**Spot Inspections:**

Discharge Amount	1,200 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 1171068
Control Zone:	CAUTION TAPE AND DOOR HANGERS PLACED AROUND DISCHARGE
Impact:	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
Repair:	LOCATION INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 01:06 PM	DISPUB	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1171845	11/30/10 04:00 AM	MITCHELL	GRIFFITH	DOCUMENTED	10/23/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	12/08/10 06:45 AM	

**Spot Inspections:**

Discharge Amount:	9,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 1172250
Control Zone:	CAUTION TAPE, TEMP SIGNS, AND DOOR HANGERS PLACED AROUND DISCHARGE AREA
Impact:	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
Repair:	THIS LOCATION IS INCLUDED IN THE ISSDP

**Notifications:**

11/30/10 09:05 AM	DISPUB	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGE
11/30/10 01:01 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/30/10 01:01 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	13943	4119 LEE AVE		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1170746	11/25/10 05:29 PM	MITCHELL	GRIFFITH	DOCUMENTED	03/19/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/30/10 06:18 AM	

**Spot Inspections:**

Discharge Amount:	780 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 1171070
Control Zone:	CAUTIONS TAPE AND DOOR HANGERS PLACED AROUND DISCHARGE
Impact:	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
Repair:	LOCATION INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 01:02 PM	DISPUB	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 16649	<b>Facility Address</b> 1726 FRASER DR	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> SOUTH FORK BEARGRASS CREEK	<b>Discharge to</b> DITCH
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170727	11/25/10 07:15 PM	GRIFFITH	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 01:02 AM	

**Spot Inspections:**

<b>Discharge Amount</b>	1,350 GAL
<b>Cause:</b>	LACK OF SYSTEM CAPACITY-HEAVY RAIN
<b>Clean Up:</b>	DISCLN WO# 1171058
<b>Control Zone:</b>	CAUTION TAPE AND DOOR HANGERS PLACED AROUND DISCHARGE
<b>Impact:</b>	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
<b>Repair:</b>	LOCATION INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 01:15 PM	DISPUB	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND CAUTION TAPE TO AVOID CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1171841	11/30/10 04:12 AM	MITCHELL	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	11/30/10 03:30 PM	

**Spot Inspections:**

Discharge Amount	2,635 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 1172270
Control Zone:	DOOR HANGERS AND PERMANENT SIGNS ARE PLACED AROUND DISCHARGE
Impact:	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
Repair:	THIS LOCATION IS INCLUDED IN THE ISSDP

**Notifications:**

11/30/10 09:07 AM	DISPUB	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID CONTACT WITH DISCHARGE
11/30/10 01:01 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/30/10 01:01 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	24721	503 NOTTINGHAM PKY		MIDDLE FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	1170805	11/26/10 11:00 AM	RICHARDSON	RICHARDSON	REPAIRED - ISSUE RESOLVED	11/26/10	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 11:31 AM	MAIN

**Spot Inspections:**

<b>Discharge Amount:</b>	125 GAL
<b>Cause:</b>	OBSTRUCTION IN MAIN SEWER
<b>Clean Up:</b>	MSD PERSONNELL CLEANED AND SANITIZED THE IMPACTED AREA
<b>Control Zone:</b>	MSD PERSONNEL ADVISED CUSTOMER TO AVOID CONTACT WITH SEWAGE
<b>Impact:</b>	SEWER WATER COMING FROM THE MSD MANHOLE DISCHARGING INTO STORM DRAINS
<b>Repair:</b>	WORK ORDER 1170811 - ROOTCUT AND OPEN THE MAIN SEWER

**Notifications:**

11/26/10 11:00 AM	DISPUB	ADVISED CUSTOMER BY DOOR CARDS
12/15/10 08:29 AM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	27005	1012 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1170754	11/25/10 07:15 PM	JOHNSON	GRIFFITH	DOCUMENTED	09/02/03	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/29/10 12:00 PM	

**Spot Inspections:**

Discharge Amount	1,550 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 1171075
Control Zone:	BARRICADES, CAUTION TAPE, AND TEMPORARY SIGNS PLACE AROUND DISCHARGE
Impact:	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
Repair:	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 12:46 PM	DISPUB	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

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

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	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1170712	11/25/10 03:40 PM	ELDER	ANDERSON	DOCUMENTED	03/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 05:30 PM	

**Spot Inspections:**

Discharge Amount:	38,750 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS AROUND AFFECTED AREA
Impact:	CLEAR SEWAGE WATER
Repair:	PLACED TEMPORARY SIGNS AROUND AREA

**Notifications:**

	DISPUB	temporary signs placed around affected area
11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1171640	11/30/10 05:00 AM	ELDER	SPENCER	DOCUMENTED	03/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	12/01/10 01:25 PM	

**Spot Inspections:**

Discharge Amount:	97,500 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	BARRICADES & TEMPORARY SIGNS POSTED
Control Zone:	TEMPORARY SIGNS AROUND AFFECTED AREA
Impact:	CLEAR SEWAGE WATER
Repair:	PLACED TEMPORARY SIGNS AROUND AREA

**Notifications:**

	DISPUB	temporary signs placed around affected area
11/30/10 01:01 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/30/10 01:01 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1170711	11/25/10 03:40 PM	ELDER	ANDERSON	DOCUMENTED	12/15/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 05:30 PM	

**Spot Inspections:**

Discharge Amount:	310,000 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	BARRICADES, CONES, TEMPORARY SIGNS
Impact:	CLEAR SEWAGE WATER
Repair:	POSTED SIGNS , BARRICADES & CONES AROUND AFFECTED AREA

**Notifications:**

	DISPUB	barricades, cones, temporary signs around affected area
11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1171638	11/30/10 05:00 AM	ELDER	SPENCER	DOCUMENTED	12/15/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	12/01/10 01:25 PM	

**Spot Inspections:**

Discharge Amount	146,250 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	BARRICADES, TEMPORARY SIGNS
Control Zone:	BARRICADES & TEMPORARY SIGNS WERE POSTED.
Impact	CLEAR SEWAGE WATER
Repair:	POSTED SIGNS , BARRICADES & CONES AROUND AFFECTED AREA

**Notifications:**

11/30/10 01:01 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/30/10 05:00 AM	DISPUB	BARRICADES & TEMPORARY SIGNS WERE POSTED
11/30/10 01:01 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 45835	<b>Facility Address</b> 1132 ROSTREVOR CIR	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170752	11/25/10 07:05 PM	JOHNSON	GRIFFITH	DOCUMENTED	09/02/03	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 12:15 PM	

**Spot Inspections:**

<b>Discharge Amount:</b>	7,200 GAL
<b>Cause:</b>	LACK OF SYSTEM CAPACITY-HEAVY RAIN
<b>Clean Up:</b>	DISCLN WO# 1171074
<b>Control Zone:</b>	BARRICADES, CAUTION TAPE, AND TEMP SIGNS PLACED AT DISCHARGE
<b>Impact:</b>	LIGHT DEBRIS OBSERVED AROUND DISCHARGE
<b>Repair:</b>	LOCATION INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 12:55 PM	DISPUB	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	51594	1418 TREVILIAN WAY		SOUTH FORK BEARGRASS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170743	11/25/10 05:10 PM	MITCHELL	GRIFFITH	DOCUMENTED	09/12/06	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/25/10 08:05 PM	

**Spot Inspections:**

Discharge Amount	2,200 GAL
Cause:	LACK OF SYSTEM CAOMPACITY-HEAVY RAIN
Clean Up:	DISCLN WO# 1171063
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED AROUND DISCHARGE LOCATION
Impact:	LIGHT DEBRIS OBSERVED AROUND DISCHARGE LOCATION
Repair:	LOCATION INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 01:10 PM	DISPUB	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND CAUTION TAPE TO AVOID DIRECT CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 72571-X	<b>Facility Address</b> 4600 CHAMPIONS TRACE LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> SOUTH FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170726	11/25/10 06:46 PM	GRIFFITH	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 05:34 AM	

**Spot Inspections:**

<b>Discharge Amount</b>	843,051 GAL
<b>Cause:</b>	LACK OF SYSTEM CAPACITY-HEAVY RAIN
<b>Clean Up:</b>	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING
<b>Control Zone:</b>	NONE NEEDED-MSD PROPERTY
<b>Impact:</b>	NO IMPACT OBSERVED-PIPE SUBMERGED
<b>Repair:</b>	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE ISSDP

**Notifications:**

11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/26/10 01:19 PM	DISPUB	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID CONTACT WITH DISCHARGE
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> CSO050	<b>Facility Address</b> 119 N 12TH ST	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> OHIO RIVER	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	1166021	11/15/10 07:00 PM	BRIGHT	BRIGHT	REPAIRED - ISSUE RESOLVED	11/15/10	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	11/15/10 07:30 PM	

**Spot Inspections:**

**Discharge Amount:** 3,336 GAL

**Cause:** CAUSE IS UNKNOWN. NO OVERFLOW UPON INSPECTION AND NOTHING OBSTRUCTING FLOW.

**Clean Up:** NO CLEAN UP PERFORMED. PIPE DISCHARGES UNDERWATER, DIRECTLY INTO RIVER.

**Control Zone:** NO CONTROL ZONE WAS SET UP. PIPE DISCHARGES UNDERWATER, DIRECTLY INTO RIVER

**Impact:** NONE OBSERVED BY MSD PERSONNEL; WAS ADVISED OF OVERFLOW BY EMAIL ALERT.

**Repair:** INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

**Notifications:**

11/16/10 10:50 AM : DISPUB PERMANENT WARNING SIGNS INSTALLED ALONG RIVER BANK.

11/16/10 01:00 AM : DISNOT Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SLS Sewer Lift Station	MSD0012-PS	3246 RADIANCE RD	HIGHGATE SPRINGS	SOUTH FORK BEARGRASS CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1170731	11/25/10 06:28 PM	MARKS JR	MILLS	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/26/10 07:10 AM	

**Spot Inspections:**

Discharge Amount:	117,450 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	PIPE DISCHARGE SUBMERGED- NO CLEANUP
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED- FACILITY UNDER ELEVATED CREEK LEVEL
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN

**Notifications:**

11/25/10 07:58 PM	DISPUB	msd notified public with permanent signs and with its web site
11/25/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/25/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



Report Selections: Treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1171636	11/30/10 04:21 AM	ELDER	SPENCER	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/30/10 08:17 PM	

**Spot Inspections:**

<b>Discharge Amount:</b>	25,299 GAL
<b>Cause:</b>	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN AREA
<b>Clean Up:</b>	PIPE DISCHARGE SUBMERGED- NO CLEANUP
<b>Control Zone:</b>	PERMANENT SIGNS POSTED
<b>Impact:</b>	NO IMPACT OBSERVED.
<b>Repair:</b>	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN.

**Notifications:**

11/30/10 01:01 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/30/10 04:21 AM	DISPUB	pipe discharge submerged- no control zone
11/30/10 01:01 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 13  
Total Work Orders Printed: 18