



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

August 21, 2018

Crystal Thompson
Permit Support Section
Surface Water Permits Branch
Division of Water
200 Fair Oaks Lane 4th Floor
Frankfort, KY 40601

Re: Morris Forman Water Quality Treatment Center
KPDES Permit No. KY0022411

Dear Ms. Thompson:

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 July 1st to July 31st, 2018 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet a 7 day TSS or 7 day BOD permit requirements.

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

Quarterly Acute Toxicity testing was performed July 5, 2018 on the final effluent with a passing result.

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

Sincerely,

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

DMR Copy of Record

Permit					
Permit #:	KY0022411	Permittee:	Morris Forman WQTC MSD	Facility:	MORRIS FORMAN WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	4522 ALGONQUIN PKWY LOUISVILLE, KY 40211
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE		

Report Dates & Status					
Monitoring Period:	From 07/01/18 to 07/31/18	DMR Due Date:	08/28/18	Status:	NetDMR Validated

Considerations for Form Completion
 G - INFLUENTE - SECONDARY EFFLUENT1 - FINAL EFFLUENT - Parameter 74055 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Principal Executive Officer					
First Name:	James A	Title:	Executive Director	Telephone:	502-540-6000
Last Name:	Parrott				

No Data Indicator (NODI)
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type						
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	2.8					19 - mg/L	1	01/01 - Daily	GR - GRAB				
					Permit Req.					>=	2 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB				
					Value NODI																		
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	19727	=	37119	26 - lb/d		=	27	=	55	19 - mg/L	1	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample	=	232599	=	280049	26 - lb/d		=	314	=	388	19 - mg/L	1	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00400	pH	1 - Effluent Gross	0	--	Sample					=	6.2				12 - SU	1	01/01 - Daily	GR - GRAB					
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM		12 - SU	01/01 - Daily	GR - GRAB				
					Value NODI																		
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	21489	=	37403	26 - lb/d		=	28	=	51	19 - mg/L	1	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	287318	=	355392	26 - lb/d		=	376	=	410	19 - mg/L	1	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	--	Sample	=	8203	=	9525	26 - lb/d		=	12	=	17	19 - mg/L	1	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	8282	=	9545	26 - lb/d		=	11.4	=	13.8	19 - mg/L	1	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	87.26	=	130.47	03 - MGD							1	99/99 - Continuous	CN - CONTIN				
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	CN - CONTIN				
					Value NODI																		
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									<	0.016	19 - mg/L	1	01/01 - Daily	GR - GRAB				
					Permit Req.											<=		.019 DAILY MX	19 - mg/L	01/01 - Daily	GR - GRAB		
					Value NODI																		
74055	Coliform, fecal general	1 - Effluent Gross	1	--	Sample									=	32	13 - #/100mL	1	01/01 - Daily	GR - GRAB				
					Permit Req.											<=		200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	01/01 - Daily	GR - GRAB
					Value NODI																		
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	91					23 - %	1	01/30 - Monthly	CA - CALCTD				
					Permit Req.											>=		85 MO MIN	23 - %	01/30 - Monthly	CA - CALCTD		
					Value NODI																		
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	93					23 - %	1	01/30 - Monthly	CA - CALCTD				
					Permit Req.											>=		85 MO MIN	23 - %	01/30 - Monthly	CA - CALCTD		
					Value NODI																		

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

Edit Check Errors						
Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge

00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

Name	Type	Size
July2018_OverflowReport_MorrisForman.pdf	pdf	125253
MFWQTC072018Coverletter.pdf	pdf	26007
MFWQTC072018MOR.pdf	pdf	91697

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemd.org
 Date/Time: 2018-08-23 13:45 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemd.org
 Date/Time: 2018-08-23 13:45 (Time Zone: -04:00)

DMR Copy of Record

Permit			
Permit #:	KY0022411	Permittee:	Morris Forman WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-B SECONDARY BYPASS
Facility:		Facility Location:	MORRIS FORMAN WQTC MSD 4522 ALGONQUIN PKWY LOUISVILLE, KY 40211

Report Dates & Status			
Monitoring Period:	From 07/01/18 to 07/31/18	DMR Due Date:	08/28/18
Status:	NetDMR Validated		

Considerations for Form Completion
 MONITORING DURING PERIODS OF SECONDARY BYPASS IN ADDITION TO REGULAR MONITORING.1 - FINAL EFFLUENTF - SECONDARY BYPASS AFTER PRIMARYTREATMENT.

Principal Executive Officer			
First Name:	James A.	Title:	Executive Director
Last Name:	Parrott	Telephone:	502-540-6000

No Data Indicator (NODI)
 Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	65		=	114	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS	
					Permit Req.											Req Mon MO AVG			Req Mon MX WK AV
					Value NODI														
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	169		=	203	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS	
					Permit Req.											Req Mon MO AVG			Req Mon MX WK AV
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	94		=	121	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS	
					Permit Req.											Req Mon MO AVG			Req Mon MX WK AV
					Value NODI														
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	168		=	196	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS	
					Permit Req.											Req Mon MO AVG			Req Mon MX WK AV
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	10.7		=	17.3	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS	
					Permit Req.											Req Mon MO AVG			Req Mon MX WK AV
					Value NODI														
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	13.7		=	26.4	19 - mg/L	12/30 - Twelve Per Month WH/DS - When Discharging	CP - COMPOS CP - COMPOS	
					Permit Req.											Req Mon MO AVG			Req Mon MX WK AV
					Value NODI														
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	22.84	=	82.54	03 - MGD						12/30 - Twelve Per Month WH/DS - When Discharging	CN - CONTIN CN - CONTIN		
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									
					Value NODI														

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

Edit Check Errors
 No errors.

Comments

Attachments
 No attachments.

Report Last Saved By
Morris Forman WQTC MSD

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2018-08-23 13:43 (Time Zone: -04:00)

Report Last Signed By

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2018-08-23 13:45 (Time Zone: -04:00)

Format: Month/Day/Year
 Enter Start Date : 7/1/18

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

DATE	WASTEWATER FLOWS (Million Gallons)			TEMP (DEGF)		pH		SETS (ML)		TSS (mg/L)		D.O. (mg/L)	5-DAY BOD (mg/L)			RETURN SLUDGE					AERATION BASIN					ACTIVE		CHLORINATION			FINAL EFFLUENT	
	Final	Sec.	Bypass	raw	final	raw	final	raw	final	raw	final	final	raw	prim.	final	final	FLOW MG	TSS g/L	TVSS g/L	D.O. mg/L	MLSS g/L	MLVSS g/L	SET	SVI	Sludge Wasted MG	Primary Sludge MG	Chlorine Dosage KLBS	Resid mg/L	Fecal Coliform #/100 ml	NH3-N mg/L	Pump. Hours	
	Effluent	Effluent																														
7/1/18	90.68	90.68	0.00	79	79	7.3	6.7	6.7	8.6	0.1	191	11	4.5	188	134	9	25.4	15.1	11.6	9.6	3.0	2.3	160	54	1.33	0.16	2.74	0.016	20	11.3	0.0	
7/2/18	114.36	97.01	17.35	79	79	7.2	6.7	9.6	1.9	283	110	5.1	280	198	70	25.6	13.1	10.1	9.9	5.2	4.0	134	26	1.33	0.17	3.69	0.016	70	14.5	0.0		
7/3/18	171.57	129.30	42.27	77	77	7.1	6.6	7.1	1.9	260	93	5.3	181	122	69	25.5	18.2	13.9	8.3	3.5	2.6	141	40	1.34	0.15	5.61	0.016	145	8.6	0.0		
7/4/18	124.78	117.03	7.75	79	79	7.2	6.5	4.5	0.1	140	20	5.3	144	62	10	25.5	16.9	12.9	11.7	7.2	5.4	134	19	1.33	0.19	3.78	0.016	90	6.5	0.0		
7/5/18	94.12	94.12	0.00	79	79	7.1	6.8	15.0	0.1	544	9	8.7	296	82	7	25.5	13.8	10.3	14.1	2.4	1.8	114	48	1.34	0.32	2.50	0.016	14	9.9	0.0		
7/6/18	81.76	81.76	0.00	78	78	7.1	6.7	9.8	0.1	372	7	5.9	243	106	6	25.7	10.2	7.6	11.3	2.0	1.5	111	55	1.33	0.36	2.45	0.016	8	13.4	0.0		
7/7/18	71.79	71.79	0.00	77	77	7.2	6.6	10.1	0.1	304	8	6.8	218	88	8	25.4	9.1	6.8	11.0	2.3	1.7	112	50	1.33	0.27	2.21	0.016	4	13.6	0.0		
7/8/18	66.08	66.08	0.00	76	76	7.2	6.6	10.1	0.1	267	8	7.6	176	87	8	25.3	8.1	6.2	14.3	1.8	1.4	102	58	1.34	0.18	2.00	0.016	4	14.5	0.0		
7/9/18	70.05	70.05	0.00	77	77	7.2	6.8	14.5	0.1	412	8	7.7	289	112	11	25.3	7.7	6.1	17.6	1.7	1.4	98	59	1.33	0.22	2.20	0.016	5	14.4	0.0		
7/10/18	68.86	68.77	0.09	78	78	7.2	6.7	11.5	0.1	384	6	7.0	313	138	10	25.1	6.3	5.0	6.6	1.6	1.3	84	53	1.21	0.24	2.14	0.016	8	15.6	0.0		
7/11/18	69.29	69.20	0.09	80	80	7.4	6.7	8.6	0.2	304	14	6.8	241	119	14	25.2	6.8	5.2	8.4	1.9	1.5	93	50	1.10	0.27	2.49	0.016	13	18.9	0.0		
7/12/18	67.19	67.19	0.00	79	79	7.2	6.7	11.8	0.2	392	11	6.0	247	126	17	25.2	6.7	5.2	17.1	1.8	1.4	100	55	1.14	0.30	2.59	0.016	6	19.5	0.0		
7/14/18	63.74	63.74	0.00	79	79	7.2	6.6	12.1	0.1	457	8	5.5	337	194	12	25.4	9.3	7.3	13.3	2.1	1.6	122	57	1.18	0.25	2.72	0.016	7	19.4	0.0		
7/14/18	66.81	66.81	0.00	80	80	6.9	6.5	19.5	0.1	657	11	5.2	472	233	18	25.5	8.6	6.9	2.0	4.0	3.3	146	43	1.19	0.31	2.85	0.016	15	16.6	0.0		
7/15/18	94.96	84.84	10.12	80	80	6.6	6.6	10.0	1.5	364	65	4.9	398	360	49	25.5	10.5	8.8	2.3	2.7	2.3	167	62	1.23	0.30	4.15	0.016	96	13.0	0.0		
7/16/18	125.36	110.39	14.97	78	78	6.7	6.3	16.0	0.5	488	53	5.7	316	165	81	25.6	14.8	11.9	4.8	3.0	2.5	180	58	1.29	0.25	5.89	0.016	280	7.0	0.0		
7/17/18	99.13	99.13	0.00	79	79	6.6	6.4	10.0	0.1	417	22	5.4	299	197	18	25.5	15.7	12.6	2.3	3.4	2.8	196	57	1.35	0.24	3.06	0.016	460	6.6	0.0		
7/18/18	80.61	80.61	0.00	82	82	6.8	6.4	15.0	0.2	473	21	4.5	359	248	11	25.3	14.8	11.8	2.6	3.6	2.9	213	59	1.35	0.23	3.08	0.016	29	10.4	0.0		
7/19/18	80.01	80.01	0.00	77	77	7.1	6.4	14.7	0.2	417	22	4.3	354	246	24	25.6	16.1	12.8	1.9	4.7	3.7	280	60	1.34	0.23	3.07	0.016	90	11.9	0.0		
7/20/18	153.49	110.89	42.60	78	78	6.8	6.3	6.4	4.3	316	197	4.0	232	206	100	25.5	17.7	14.2	1.2	4.1	3.2	269	65	1.36	0.23	7.49	0.016	482	11.2	0.0		
7/21/18	152.09	123.59	28.50	79	79	6.6	6.3	6.5	0.7	271	62	4.3	231	82	48	25.8	17.9	14.2	7.4	6.0	4.7	223	37	1.37	0.22	4.98	0.016	127	5.4	0.0		
7/22/18	144.47	123.10	21.37	77	77	6.8	6.4	5.0	2.5	211	123	5.9	212	129	78	25.8	16.7	13.3	7.9	3.0	2.4	197	66	1.36	0.22	4.15	0.016	420	6.0	0.0		
7/23/18	89.42	89.42	0.00	77	77	6.8	6.4	11.5	0.1	340	18	4.6	311	183	14	25.8	15.9	13.1	6.1	5.4	4.3	247	46	1.37	0.14	1.78	0.016	168	7.6	0.0		
7/24/18	82.82	82.82	0.00	77	77	6.7	6.4	16.0	0.2	508	34	6.2	499	326	38	25.7	17.3	13.7	0.9	4.3	3.5	242	56	1.36	0.23	3.47	0.016	112	10.2	0.0		
7/25/18	101.86	95.43	6.43	76	76	6.7	6.3	15.0	0.5	436	119	4.1	281	270	149	25.7	20.4	16.2	0.6	4.1	3.3	233	58	1.35	0.33	6.38	0.016	35	15.6	0.0		
7/26/18	82.53	82.53	0.00	78	78	6.9	6.5	11.0	0.2	380	44	3.8	412	246	72	25.7	21.1	16.9	2.2	3.8	3.1	217	57	1.37	0.31	5.11	0.016	4	16.1	0.0		
7/27/18	67.53	67.53	0.00	79	79	7.1	6.3	15.2	0.2	448	52	4.0	560	388	86	25.9	19.9	16.0	2.3	5.8	4.7	334	58	1.35	0.36	5.89	0.016	4	19.8	0.0		
7/28/18	62.13	62.13	0.00	80	80	6.8	6.3	13.9	0.1	460	51	2.8	442	357	78	25.6	19.5	15.5	3.1	5.7	4.5	330	58	1.37	0.33	5.90	0.016	2	15.1	0.0		
7/29/18	60.94	60.94	0.00	78	78	6.6	6.4	9.0	0.1	284	31	4.6	389	382	37	25.8	20.2	16.5	4.4	4.7	3.9	300	63	1.36	0.20	4.24	0.016	19	8.4	0.0		
7/30/18	67.63	67.63	0.00	79	79	6.7	6.2	20.0	0.2	544	24	4.7	659	349	26	25.8	19.3	15.8	3.6	5.2	4.3	376	72	1.37	0.23	2.75	0.016	42	4.6	0.0		
7/31/18	213.01	130.47	82.54	77	77	6.6	6.2	4.5	5.0	326	260	3.7	152	176	103	26.0	20.7	16.7	11.5	4.4	3.7	269	61	0.94	0.21	4.86	0.016	438	5.9	0.0		
Sum	2979.1	2705.0	274.1													792.2																
Average	96.1	87.3		78.2	78.2	6.9	6.5	11.4	0.7	375.8	49.1	5.3	313.9	197.1	41.3	25.6	14.5	11.5	7.1	3.7	2.9	191.1	53.5	1.3	0.2	3.7	0.016	32.4	12.0			

SEWER CONNECTIONS 147813 TIMES 4 = 591252 SEWER POPULATION IND. WASTER POPULATION EQ
 CUSTOMERS 379
 FLOW 296994
 BOD 816113
 TSS 785609

Authorized Agent

Certification No. 26893

MORRIS FORMAN WASTEWATER TREATMENT PLANT

JEFFERSON COUNTY, KY

Month of Jul-18

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	93.27	22.77	20.05	12.84
Tanks in Service	3.00	8.0	7.0	4.0
Surface Area (Ft.2)	77000.00	69200.00	60450.55	34472.40
Volume (MG)	8.33	7.09	6.19	3.53
Weir Length (Ft.)	2860.00	2868.00	2505.38	1428.71
Avg. Weir Overflow (GPD/Ft)	32610.44	7937.62	8001.70	8986.20
Avg. Settling Rate (GPD/Ft2)	1211.24	487.93	497.06	503.85
Avg. Detention Time	2.14	7.47	7.41	6.60

AERATION TANKS

	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	33.77	30.05	17.37
Avg. Detention Time (Hours)	4.43	5.03	3.93

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.23

Remarks: BY-PASS REPORTS (See Attached)

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2944526		07/03/2018	BROWN	MITCHELL	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/03/18 04:45 PM	

Discharge Reporting:

Discharge Amount:	495 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	NO CLEAN UP – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	NONE OBSERVED. REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

7/4/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/4/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRain EVENT DISCHARGE	2950890		7/20/2018 11:16:00PM	MITCHELL	BROWN	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	07/20/18 11:50 PM	

Discharge Reporting:

Discharge Amount:	275,113 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, DISCHARGE WENT DIRECTLY INTO CREEK.
Control Zone:	NONE NEEDED, DISCHARGE WENT DIRECTLY INTO CREEK.
Impact:	NONE OBSERVED REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

Notifications:

7/21/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	26752	3317 BROWNSBORO RD		MUDDY FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2950899		07/20/2018	BROWN	MITCHELL	DOCUMENTED	04/04/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	07/20/18 10:15 PM	

Discharge Reporting:

Discharge Amount:	750 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, DISCHARGE WENT DIRECTLY INTO CREEK.
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	NONE OBSERVED REMOTE DISCHARGE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND/OR TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

7/21/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2950892		07/20/2018	BROWN	MITCHELL	DOCUMENTED	10/28/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/21/18 07:10 AM	

Discharge Reporting:

Discharge Amount:	11,525 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO#2950934
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

7/21/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	45835	1132 ROSTREVOR CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2950893		07/20/2018	BROWN	MITCHELL	DOCUMENTED	09/02/2003	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/21/18 08:55 AM	

Discharge Reporting:

Discharge Amount:	45,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN.
Clean Up:	WO#2950935
Control Zone:	CAUTION TAPE AND TEMPORARY SIGNS PLACED.
Impact:	LIGHT DEBRIS OBSERVED, SOME SEWAGE CAME IN CONTACT WITH WATERWAYS.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGE.

Notifications:

7/21/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	47582	201 BULLITT LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2950897		07/21/2018	BROWN	GAZAWAY	DOCUMENTED	12/05/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/21/18 10:15 AM	

Discharge Reporting:

Discharge Amount:	300,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#2950941
Control Zone:	CAUTION TAPE, TEMP DISCHARGE SIGNS.
Impact:	LIGHT DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE. AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

7/21/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2950895		07/21/2018	BROWN	MITCHELL	DOCUMENTED	02/06/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/21/18 10:15 AM	

Discharge Reporting:

Discharge Amount:	185,400 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	WO#2950938
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE. AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

7/21/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	51601-T	1505 SYLVAN CT		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2946053		07/10/2018	DODDS	GOODWIN SR	REPAIRED - ISSUE RESOLVED	07/17/2018	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	07/11/18 02:10 PM	

Discharge Reporting:

Discharge Amount:	98,250 GAL
Cause:	STRUCTURAL FAILURE OF ABANDONED 8" MAIN TEEING INTO 42" CONCRETE SEWER.
Clean Up:	NO CLEANUP POSSIBLE. DISCHARGING DIRECTLY TO CREEK.
Control Zone:	CAUTION TAPE AND BARRICADES.
Impact:	SEWAGE IN CREEK.
Repair:	CONTRACTOR CREWS PLACED COFFERDAM AND PUMPS. REPAIR IN PROGRESS.
Public Notification:	WEBSITE UPDATED AND TEMPORARY SIGNS PLACED.

Notifications:

7/11/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/11/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center				Receiving Stream of Treatment Center				Region	
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN				OHIO RIVER				WEST	
<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</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>
: DISDWDRY WEATHER DISCHARGE	2947714		7/17/2018 1:30:00PM	LEONG	DODDS	REPAIRED - ISSUE RESOLVED	07/17/2018	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	07/17/18 04:45 PM	

Discharge Reporting:

Discharge Amount:	975 GAL
Cause:	LONGITUDINAL CRACK IN INVERT OF 42" BEARGRASS INTERCEPTOR.
Clean Up:	NO CLEANUP POSSIBLE - DISCHARGING DIRECTLY TO CREEK.
Control Zone:	TEMPORARY SIGNS AND CAUTION TAPE PLACED.
Impact:	SEWAGE IN CREEK.
Repair:	CONTRACTOR TO REPAIR MAIN.
Public Notification:	TEMPORARY SIGNS PLACED.

Notifications:

7/18/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2943178		07/02/2018	BROWN	MITCHELL	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	07/02/18 08:00 PM	

Discharge Reporting:

Discharge Amount:	285,355 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, DISCHARGE WENT DIRECTLY INTO CREEK.
Control Zone:	NONE NEEDED, DISCHARGE WENT DIRECTLY INTO CREEK.
Impact:	NONE OBSERVED REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

Notifications:

7/3/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/3/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRain EVENT DISCHARGE	2950900		7/20/2018 11:15:00PM	MITCHELL	BROWN	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	07/21/18 06:45 AM	

Discharge Reporting:

Discharge Amount:	4,326,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, DISCHARGE WENT DIRECTLY INTO CREEK.
Control Zone:	NONE NEEDED, DISCHARGE WENT DIRECTLY INTO CREEK.
Impact:	NONE OBSERVED REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

Notifications:

7/21/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/21/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 07/01/2018 00:00 thru 07/31/2018 23:59, treatment Plant: MSD0278 MORRIS FORMAN, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN			OHIO RIVER			WEST			
<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</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>
: DISREVRain EVENT DISCHARGE	2957616		7/31/2018 9:30:00AM	MITCHELL	BROWN	DOCUMENTED	08/01/1969	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	07/31/18 01:30 PM	

Discharge Reporting:

Discharge Amount:	37,740 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, DISCHARGE WENT DIRECTLY INTO CREEK.
Control Zone:	NONE NEEDED, DISCHARGE WENT DIRECTLY INTO CREEK.
Impact:	NONE OBSERVED REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PERMANENT OVERFLOW ADVISORY SIGNS ARE POSTED ALONG THE CREEK.

Notifications:

8/1/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
8/1/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 8

Total Work Orders Printed: 12