



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

December 17, 2019

Crystal Dennis
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

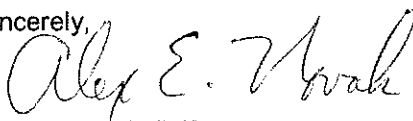
Dear Ms. Dennis:

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 November 1st to November 30th 2019 are provided through NetDMR. The Morris Forman Water Quality Treatment Center (MFWQTC) did not meet 30 day TSS, 7 day TSS, 30 day BOD, 7 day BOD, TSS and BOD percent removal for the reporting period.

Compromised solids handling equipment is contributing to our effluent exceedances. MSD is currently working with a 3rd party consultant to create a biosolids revitalization project that will overhaul our solids handling process. MFWQTC continues to employ Liquid Oxygen purchases in effort to assist in meeting permit requirements.

Quarterly Acute Toxicity testing was performed December 2, 2019 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 11/01/19 to 11/30/19	DMR Due Date:	12/28/19	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					=	2.4					19 - mg/L	0	01/01 - Daily	GR - GRAB				
					Permit Req.					>=	2 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB				
					Value NODI																		
X 00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	0	--	Sample	=	68784	=	92180	26 - lb/d		=	89	=	106	19 - mg/L	2	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	=	366882	=	548924	26 - lb/d		=	506	=	817	19 - mg/L	0	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/01 - Daily		CP - COMPOS					
					Value NODI																		
00400	pH	1 - Effluent Gross	0	--	Sample					=	6.2			=	6.6	12 - SU	0	01/01 - Daily	GR - GRAB				
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/01 - Daily	GR - GRAB				
					Value NODI																		
X 00530	Solids, total suspended	E - Secondary/Biological Process Complete	0	--	Sample	=	120594	=	180636	26 - lb/d		=	149	=	184	19 - mg/L	2	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	=	270264	=	304643	26 - lb/d		=	350	=	423	19 - mg/L	0	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/01 - Daily		CP - COMPOS					
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	E - Secondary/Biological Process Complete	0	--	Sample	=	7006	=	7391	26 - lb/d		=	9.7	=	12.2	19 - mg/L	0	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		<=	20 MO AVG	<=	30 MX WK AV	19 - mg/L		01/01 - Daily	CP - COMPOS				
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	10659	=	11863	26 - lb/d		=	14.3	=	17.4	19 - mg/L	0	01/01 - Daily	CP - COMPOS				
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d			Req Mon MO AVG	Req Mon MX WK AV	19 - mg/L	01/01 - Daily		CP - COMPOS					
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	E - Secondary/Biological Process Complete	0	--	Sample	=	90.15	=	105.01	03 - MGD							0	99/99 - Continuous	CN - CONTIN				
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	CN - CONTIN				
					Value NODI																		
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									<	0.016	19 - mg/L	0	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	2	--	Sample									=	143	=	359	13 - #/100mL	0	01/01 - Daily	GR - GRAB		
					Permit Req.											<=	1000 30DA GEO	<=		2000 7 DA GEO	13 - #/100mL	01/01 - Daily	GR - GRAB
					Value NODI																		
X 81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	83					23 - %	1	01/30 - Monthly	CA - CALCTD				
					Permit Req.						>=	85 MO MIN				23 - %		01/30 - Monthly	CA - CALCTD				
					Value NODI																		
X 81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	57					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 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00310	BOD, 5-day, 20 deg. C	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	E - Secondary/Biological Process Complete	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
81011	Solids, suspended percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
81010	BOD, 5-day, percent removal	K - Percent Removal	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

Name	Type	Size
MFWQTCMOR122019.pdf	pdf	89433
MorrisForman.pdf	pdf	122594
MWQTCoverletter122019.pdf	pdf	31209

Report Last Saved By

Morris Forman WQTC MSD

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-12-18 12:41 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-12-18 12:42 (Time Zone: -05:00)

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 11/01/19 to 11/30/19	DMR Due Date:	12/28/19
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			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						=	136	=	157	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	19 - mg/L 0		
					Value NODI												
00310	BOD, 5-day, 20 deg. C	F - Primary/Preliminary Process Complete	0	--	Sample						=	309	=	566	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	19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	224	=	280	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	19 - mg/L 0		
					Value NODI												
00530	Solids, total suspended	F - Primary/Preliminary Process Complete	0	--	Sample						=	263	=	277	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	19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample						=	8.3	=	10.6	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	19 - mg/L 0		
					Value NODI												
00610	Nitrogen, ammonia total [as N]	F - Primary/Preliminary Process Complete	0	--	Sample						=	13.7	=	20.8	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	19 - mg/L 0		
					Value NODI												
50050	Flow, in conduit or thru treatment plant	F - Primary/Preliminary Process Complete	0	--	Sample	=	21.6	=	30	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: 2019-12-18 12:42 (Time Zone: -05:00)

Report Last Signed By

User: kessel@louisvillemsd.org
 Name: John Kessel
 E-Mail: kessel@louisvillemsd.org
 Date/Time: 2019-12-18 12:42 (Time Zone: -05:00)



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
SMHSewer Manhole	02933	7900 SHELBYVILLE RD		MIDDLE FORK BEARGRASS	STREAM

<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>
: DISREV: RAIN EVENT DISCHARGE	3181507		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	03/04/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER AM	12/01/19 06:10	MAIN

Discharge Reporting:

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181648
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	02935	7900 SHELBYVILLE RD		MIDDLE FORK BEARGRASS	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181506		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	03/19/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 06:05 AM	MAIN

Discharge Reporting:

Discharge Amount:	19,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181647.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	08426	4315 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181443		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	02/25/2011	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 03:04 PM	MAIN

Discharge Reporting:

Discharge Amount:	40,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181656.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP DISCHARGE SIGNS AT DISCHARGE SITE AND DOOR CARDS TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	08427	4313 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181444		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	02/25/2011	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 03:08 PM	MAIN

Discharge Reporting:

Discharge Amount:	320,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181657.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP DISCHARGE SIGNS AT DISCHARGE SITE AND DOOR CARDS TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	08429	4337 PRUITT CT		BUECHEL BRANCH	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181454		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	05/03/2019	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 03:21 PM	MAIN

Discharge Reporting:

Discharge Amount:	15,900 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181659.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGN.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	08430	4341 PRUITT CT		SOUTH 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	3181455		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	06/22/2011	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 03:27 PM	MAIN

Discharge Reporting:

Discharge Amount:	159,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181660.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGN.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SSL Sewer Service Line	085100290046A	4332 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181453		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	12/05/2011	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 03:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	79,250 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181658.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGN.
Impact:	CLEANOUT DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181447		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	11/29/2001	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 01:14 PM	MAIN

Discharge Reporting:

Discharge Amount:	1,612,271 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	ONTROL ZONE WAS NOT ESTABLISHED NO PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERM SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	23211	3302 TROUT CREEK DR		SOUTH 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	3181477		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	02/22/2000	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 03:18 PM	MAIN

Discharge Reporting:

Discharge Amount:	109,950 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181661.
Control Zone:	SECURED IMPACTED AREA WITH TEMP DISCHARGE SIGNS, STAKES & CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	23212	2001 TERRIL LN		SOUTH 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	3181515		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	04/04/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 02:17 PM	MAIN

Discharge Reporting:

Discharge Amount:	32,175 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181663.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	26752	3317 BROWNSBORO RD		MUDDY FORK BEARGRASS	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181514		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	01/14/2013	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	11/30/19 03:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	6,600 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED PIPE DISCHARGES DIRECTLY TO THE CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO THE INABILITY TO ACCESS THE DISCHARGE SITE.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDE IN IOAP.
Public Notification:	PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	27012	2408 GRAY FOX RD		MIDDLE FORK BEARGRASS	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181433		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	03/09/2019	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 05:30 AM	MAIN

Discharge Reporting:

Discharge Amount:	135,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181641.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	28250	3506 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	3181448		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	01/03/2005	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:55 AM	MAIN

Discharge Reporting:

Discharge Amount:	34,230 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WO#3181638.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE, BARRICADES, AND TEMP SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	28336	9707 WILLOWWOOD WAY		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	3181428		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	08/30/2005	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:45 AM	MAIN

Discharge Reporting:

Discharge Amount:	35,375 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181636.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	28340	3620 CHARLANE PKY		CHENOWETH RUN	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181427		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	01/03/2005	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:40 AM	MAIN

Discharge Reporting:

Discharge Amount:	56,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181635.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	28415	3406 DELL RD		CHENOWETH RUN	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181429		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	12/19/2002	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:35 AM	MAIN

Discharge Reporting:

Discharge Amount:	28,800 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181637.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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
SMHSewer Manhole	28451	3406 CHARLANE PKY		CHENOWETH RUN	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181426		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	10/28/2015	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:52 AM	MAIN

Discharge Reporting:

Discharge Amount:	42,900 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181634.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	28452	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	3181421		11/30/2019	DAVIS BROWNMITCHELL		QUEUED FOR REPAIR	11/30/2019	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:51 AM	MAIN

Discharge Reporting:

Discharge Amount:	7,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181633.
Control Zone:	CAUTION TAPE, TEMPORARY DISCHARGE SIGNS, AND BARRICADE PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer 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	3181419		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	10/28/2015	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 07:50 AM	MAIN

Discharge Reporting:

Discharge Amount:	158,400 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181632.
Control Zone:	CAUTION TAPE AND TEMP DISCHARGE SIGNS PLACED AROUND THE IMPACTED AREA.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDE IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR CARDS, AND TEMP SIGNS AT DISCHARGE SITE TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	43472	8409 SABERDEE DR		GOOSE 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	3181416		11/30/2019	CATALANO JR	BRAZEL	DOCUMENTE D	03/04/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 12:14 AM	

Discharge Reporting:

Discharge Amount:	13,200 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	MSD CLEAN AND SANITIZE AREA.
Control Zone:	PLACED TEMPORARY SIGNS IN AREA.
Impact:	SEWAGE ON GROUND.
Repair:	SITE FOUND DURING RAIN EVENT RECON.
Public Notification:	PLACED TEMPORARY SIGNS IN AREA.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	45796	1011 ALTA CIR		MIDDLE FORK BEARGRASS	DITCH

<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>
: DISREV: RAIN EVENT DISCHARGE	3181435		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	05/10/2014	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 05:45 AM	MAIN

Discharge Reporting:

Discharge Amount:	360,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181642.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	47582	201 BULLITT LN		MIDDLE FORK BEARGRASS	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181505		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	12/05/2011	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 06:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181646.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	47583	202 OXMOOR LN		MIDDLE FORK BEARGRASS	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181504		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	02/06/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 06:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	320,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181644.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO FLOODING.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVER FLOW SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	47593	8021 CHRISTIAN CT		MIDDLE FORK BEARGRASS	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181511		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	03/19/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 06:15 AM	MAIN

Discharge Reporting:

Discharge Amount:	96,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181655.
Control Zone:	IMPACTED AREA SECURED WITH CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	51160	3305 INDIAN CREEK CT		SOUTH 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	3181478		11/30/2019	DAVIS BROWN	MITCHELL	DOCUMENTE D	04/04/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 02:13 PM	MAIN

Discharge Reporting:

Discharge Amount:	36,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181662.
Control Zone:	SECURED IMPACTED AREA WITH TEMP DISCHARGE SIGNS, STAKES & CAUTION TAPE.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP DISCHARGE SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	65633	4640 BARBOUR LN		LITTLE GOOSE 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	3181491		11/30/2019	CATALANO JR	MULLINS	QUEUED FOR REPAIR	11/30/2019	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 12:36 AM	

Discharge Reporting:

Discharge Amount:	66,600 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	TEMPORARY SIGNS HAVE BEEN POSTED.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	72289	1700 SULGRAVE RD		MIDDLE FORK BEARGRASS	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181436		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	05/29/2012	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	11/30/19 07:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	36,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181643.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES, CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH TEMP SIGNS AT DISCHARGE SITE AND PERMANENT SIGNS ALONG THE CREEK AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	84155	7913 SHELBYVILLE RD		MIDDLE FORK BEARGRASS	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3181510		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	03/10/2011	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 06:15 AM	MAIN

Discharge Reporting:

Discharge Amount:	72,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181654.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	90700	8021 CHRISTIAN CT		MIDDLE FORK BEARGRASS	CATCH BASIN

<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>
: DISREV: RAIN EVENT DISCHARGE	3181508		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	03/19/2008	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	12/01/19 06:10 AM	MAIN

Discharge Reporting:

Discharge Amount:	19,200 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	WO#3181651.
Control Zone:	IMPACTED AREA SECURED WITH BARRICADES CAUTION TAPE AND TEMP DISCHARGE SIGNS.
Impact:	MANHOLE DISCHARGING.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP SIGNS TO AVOID DISCHARGED CONTENT.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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
SMHSewer Manhole	IS021A-SI	1201 OLD CANNONS LN		MIDDLE FORK BEARGRASS	STREAM

<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>
: DISREV: RAIN EVENT DISCHARGE	3181417		11/30/2019	DAVIS BROWNMITCHELL		DOCUMENTE D	08/01/1969	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER PM	12/01/19 11:30	MAIN

Discharge Reporting:

Discharge Amount:	7,900,000 GAL
Cause:	LACK OF SYSTEM CAPACITY HEAVY RAIN.
Clean Up:	NO CLEANUP REQUIRED, MANHOLE IS DISCHARGING DIRECTLY INTO CREEK.
Control Zone:	CONTROL ZONE WAS NOT ESTABLISHED DUE TO LACK OF PUBLIC ACCESS TO THE DISCHARGE SITE.
Impact:	NONE OBSERVED OVER FLOW NOTIFICATION RECEIVED FROM REMOTE DISCHARGE ALARM.
Repair:	LOCATION INCLUDE IN IOAP.
Public Notification:	PUBLIC NOTIFIED THROUGH PERMANENT OVERFLOW ADVISORY SIGNS POSTED ALONG THE CREEK, TO AVOID CONTACT WITH DISCHARGED CONTENT.

Notifications:

11/30/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/30/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 30

Total Work Orders Printed: 30

MORRIS FORMAN WASTEWATER TREATMENT PLANT JEFFERSON COUNTY, KY

Month of Nov-19

Average Flow

SETTLING TANKS	Primary	Secondary		
		Battery A	Battery B	Battery C
Average Flow (MGD)	94.95	27.09	28.59	12.03
Tanks in Service	3.00	7.0	8.0	4.0
Surface Area (Ft.2)	77000.00	60252.12	69001.41	34467.81
Volume (MG)	8.33	6.17	7.07	3.53
Weir Length (Ft.)	2860.00	2497.15	2859.77	1428.52
Avg. Weir Overflow (GPD/Ft)	33199.06	10847.57	9997.69	8421.09
Avg. Settling Rate (GPD/Ft2)	1233.11	585.35	559.28	444.48
Avg. Detention Time	2.11	5.47	5.93	7.04

AERATION TANKS

	Battery A	Battery B	Battery C
Volume (Gallons)	4200000	4200000	2100000
Avg. Flow (MGD)	35.27	38.59	15.32
Avg. Detention Time (Hours)	3.72	3.53	4.19

CHLORINE CONTACT CHAMBERS

Contact Chambers in Use	2.0
Volume (Gallons)	2340000
Avg. Detention Time (Hours)	1.04

Remarks: BY-PASS REPORTS (See Attached)