



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

November 14, 2018

District Supervisor  
KY Division of Water  
Louisville Regional Office  
9116 Leesgate Road  
Louisville, KY 40222-5084

Re: Bypass Report for the:  
Derek R. Guthrie WQTC - KPDES Permit: KY0078956

To whom it may concern:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 12:01 AM on November 11, 2018, referencing Work Order 3010431 as a Dry Weather Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: Power outage at DRGWQTC caused Sodium Bisulfite pumps to stop pumping chemical for dechlorination. Approximately 9.45 MG discharged without dechlorination treatment.
- Period of noncompliance: Starting 09:45 PM on November 10, 2018, and stopping 02:00 AM on November 11, 2018.
- Steps taken or planned to reduce, elimination and prevent recurrence MSD personal repaired wiring that caused power outage in Sodium Hypochlorite Building that affected controls on all three bisulfite pumps. Alarms are in place to notify computer room if the pumps go down.
- Additional comments: No additional comments.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-540-6031, my cell phone at (502)-475-2224 or via email at [kevin.thompson@louisvillemad.org](mailto:kevin.thompson@louisvillemad.org).

Sincerely,



Kevin Thompson  
Process Supervisor - Operations

cc: Paul Bridges, KDEP  
Legal Department, MSD  
eB File



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December 17, 2018

Ms. Crystal Dennis  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center  
KPDES Permit No. KY0078956,  
Discharge monitoring report for November 2018.**

Dear Ms. Crystal Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, KPDES No: KY0078956, for the month of November 2018.

There were no exceedances to reports for the Derek Guthrie WQTC.

Also attached is a Bypass and overflow reports. Noncompliance was due to a power outage causing Sodium Bisulfite pump to stop pumping chemical for dechlorination. Approximately 9.45 MG discharged without dechlorination treatment.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

Kevin Thompson  
Process Supervisor, West Region

KLT/West County 11/18  
Enclosures

cc: C. Roth  
V. Graves  
R. Shaw



81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	94				23 - %		01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 MO AV MN				23 - %	0	01/30 - Monthly	CA - CALCTD
				Value NOD!									

**Submission Note**

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

**Edit Check Errors**

No errors.

**Comments**

**Attachments**

Name	Type	Size
201811_DRG_COVERLETTER.pdf	pdf	92035
November2018_OverflowReport_DRG.pdf	pdf	104527
201811_DRG_MOR.pdf	pdf	79728
201811_DRG_Bypassletter.pdf	pdf	117091

**Report Last Saved By**

**Derek R Guthrie WQTC MSD**

User: kevin.thompson@louisvillemsd.org  
 Name: Kevin Thompson  
 E-Mail: kevin.thompson@louisvillemsd.org  
 Date/Time: 2018-12-19 14:00 (Time Zone: -05:00)

**Report Last Signed By**

User: kevin.thompson@louisvillemsd.org  
 Name: Kevin Thompson  
 E-Mail: kevin.thompson@louisvillemsd.org  
 Date/Time: 2018-12-20 12:46 (Time Zone: -05:00)



Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, 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
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	60679	9114 CINDERELLA LN		FISHPOOL 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	3006333		11/06/2018	GRAY JR	KEYE	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 03:40 PM	

**Discharge Reporting:**

Discharge Amount:	6,900 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	CLEANED UP BY MSD AND LINE PUT DOWN IN AREA
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND
Repair:	A SOLUTION FOR THIS LOCATION HAS BEEN INCLUDED IN THE IOAP
Public Notification:	ADVISED CUSTOMER ON SITE

**Notifications:**

11/6/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/6/18 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, 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
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	62018	4510 COD DR		POND 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	3012604		11/15/2018	ANDERSON IV	ANDERSON IV, E	REPAIRED - ISSUE RESOLVED	11/15/2018	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	11/17/18 09:30 AM	MAIN

**Discharge Reporting:**

Discharge Amount:	50,000 GAL
Cause:	STRUCTURAL FAILURE OF MAIN SEWER.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM BROKEN MAIN SEWER.
Repair:	REFERRED TO SUPERVISOR TO MAKE NEEDED REPAIRS.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

11/16/18 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, 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
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	93719	9317 LANTANA DR		PENNSYLVANIA 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	3006332		11/05/2018	GRAY JR	KEYE	DOCUMENTED	11/05/2018	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	11/06/18 03:44 PM	

**Discharge Reporting:**

Discharge Amount:	4,050 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANED UP BY MSD AND LIME PUT DOWN ON AREA
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND.
Repair:	A SOLUTION FOR THIS LOCATION HAS BEEN INCLUDED IN THE IOAP.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

11/6/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/6/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



Report Selections: Period: 11/01/2018 00:00 thru 11/30/2018 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, 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
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0277	11621 LOWER RIVER RD		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3010431		11/10/2018	HUBER	THOMPSON	REPAIRED - ISSUE RESOLVED	11/10/2018	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	11/11/18 02:00 AM	

**Discharge Reporting:**

Discharge Amount:	9,450,000 GAL
Cause:	LOSS OF POWER TO BISULFITE BUILDING. MAIN BREAKER.
Clean Up:	NONE
Control Zone:	NONE
Impact:	NONE
Repair:	REPAIRS MADE BY ELECTRICAL CREW.
Public Notification:	NONE

**Notifications:**

11/12/18 1:00 am	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION
11/12/18 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV

Total Facilities Printed: 4

Total Work Orders Printed: 4