



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

January 16, 2019

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 December 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 December 2018.

There were no exceedances or bypass reports for the Derek Guthrie WQTC.

Also attached are overflow reports and 4th quarter Biomonitoring NETDMR.

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 12/18
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	96				23 - %	0	01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 MO AV MN				23 - %		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
201812_DRG_MOR.pdf	pdf	81321
201812_DRG_COVERLETTER.pdf	pdf	78966
December2018_OverflowReport_DRG.pdf	pdf	99305

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: 2019-01-18 05:57 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2019-01-18 05:58 (Time Zone: -05:00)

DMR Copy of Record

Permit																			
Permit #:	KY0078956	Permittee:	Derek R Guthrie WQTC MSD				Facility:	DEREK R GUTHRIE WQTC MSD											
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272											
Permitted Feature:	001 External Outfall	Discharge:	001-2 QUARTERLY BIOMONITORING																
Report Dates & Status																			
Monitoring Period:	From 10/01/18 to 12/31/18				DMR Due Date:	01/28/19				Status:	NetDMR Validated								
Considerations for Form Completion																			
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			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2F - tox acute	01/90 - Quarterly	24 - COMP24
					Permit Req.										<=	1 MAXIMUM	2F - tox acute	01/90 - Quarterly	24 - COMP24
					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																			
Derek R Guthrie WQTC MSD																			
User:	kevin.thompson@louisvillemsd.org																		
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemsd.org																		
Date/Time:	2019-01-16 10:28 (Time Zone: -05:00)																		
Report Last Signed By																			
User:	kevin.thompson@louisvillemsd.org																		
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemsd.org																		
Date/Time:	2019-01-18 06:00 (Time Zone: -05:00)																		

01079	Silver total recoverable	1 - Effluent Gross	0	--	Sample	<	0.004	<	0.004	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01079	Silver total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.004	<	0.004	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01094	Zinc, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.083	=	0.102	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.00025	<	0.00025	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01113	Cadmium, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.00034	=	0.00061	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01114	Lead, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01118	Chromium, total recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.05	<	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.01	=	0.011	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
01119	Copper, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.031	=	0.05	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
34043	Phenolics, total	1 - Effluent Gross	0	--	Sample	<	0.02	<	0.02	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	GR - GRAB
					Value NODI							
34043	Phenolics, total	G - Raw Sewage Influent	0	--	Sample	<	0.02	<	0.02	19 - mg/L	01/YR - Annual	GR - GRAB
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	GR - GRAB
					Value NODI							
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.0000017	=	0.0000017	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
71901	Mercury, total recoverable	G - Raw Sewage Influent	0	--	Sample	=	0.0000882	=	0.0000882	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
78247	Chromium, hexavalent tot recoverable	1 - Effluent Gross	0	--	Sample	<	0.005	<	0.005	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					Value NODI							
78247	Chromium, hexavalent tot recoverable	G - Raw Sewage Influent	0	--	Sample	<	0.005	<	0.005	19 - mg/L	01/YR - Annual	24 - COMP24
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/YR - Annual	24 - COMP24
					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

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2019-01-25 07:46 (Time Zone: -05:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-01-25 08:05 (Time Zone: -05:00)

DMR Copy of Record

Permit					
Permit #:	KY0078956	Permittee:	Derek R Guthrie WQTC MSD	Facility:	DEREK R GUTHRIE WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272
Permitted Feature:	001 External Outfall	Discharge:	001-4 ANNUAL SAMPLING YEARS 2 - 4		

Report Dates & Status					
Monitoring Period:	From 01/01/18 to 12/31/18	DMR Due Date:	01/28/19	Status:	NetDMR Validated

Considerations for Form Completion
 Requires a minimum of 3 samples. Annual sampling during years 2 through 4 of the permit term for those parameters required to be analyzed and reported on the application. The permittee shall report the No Discharge (NODI) 9 ? Conditional Monitoring Not Required This Period for years 1 and 5 of the permit.

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
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	15 - deg F	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00982	Thallium, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
00998	Beryllium, total recoverable [as Be]	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01079	Silver total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.						9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period			
					Value NODI													
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						Req Mon AVERAGE				Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.													

					Value NODI														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39100	Di[2-ethylhexyl] phthalate [DEHP]	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39110	Di-n-butyl phthalate	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39120	Benzidine	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39175	Vinyl chloride	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39180	Trichloroethylene	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39700	Hexachlorobenzene	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
39702	Hexachlorobutadiene	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
51449	Nitrogen, Kjeldahl Total	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
51450	Nitrite Plus Nitrate Total	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
70029	Phenolic compounds, total	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
70296	Solids, total dissolved [TDS]	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
77163	1,3-Dichloropropene	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
79531	3,4-Benzofluoranthene	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
82627	p-Chloro-m-cresol	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
85811	Chloroethane	1 - Effluent Gross	0	--	Sample														Req Mon AVERAGE	Req Mon MAXIMUM	28 - ug/L		03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.														9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				
					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.

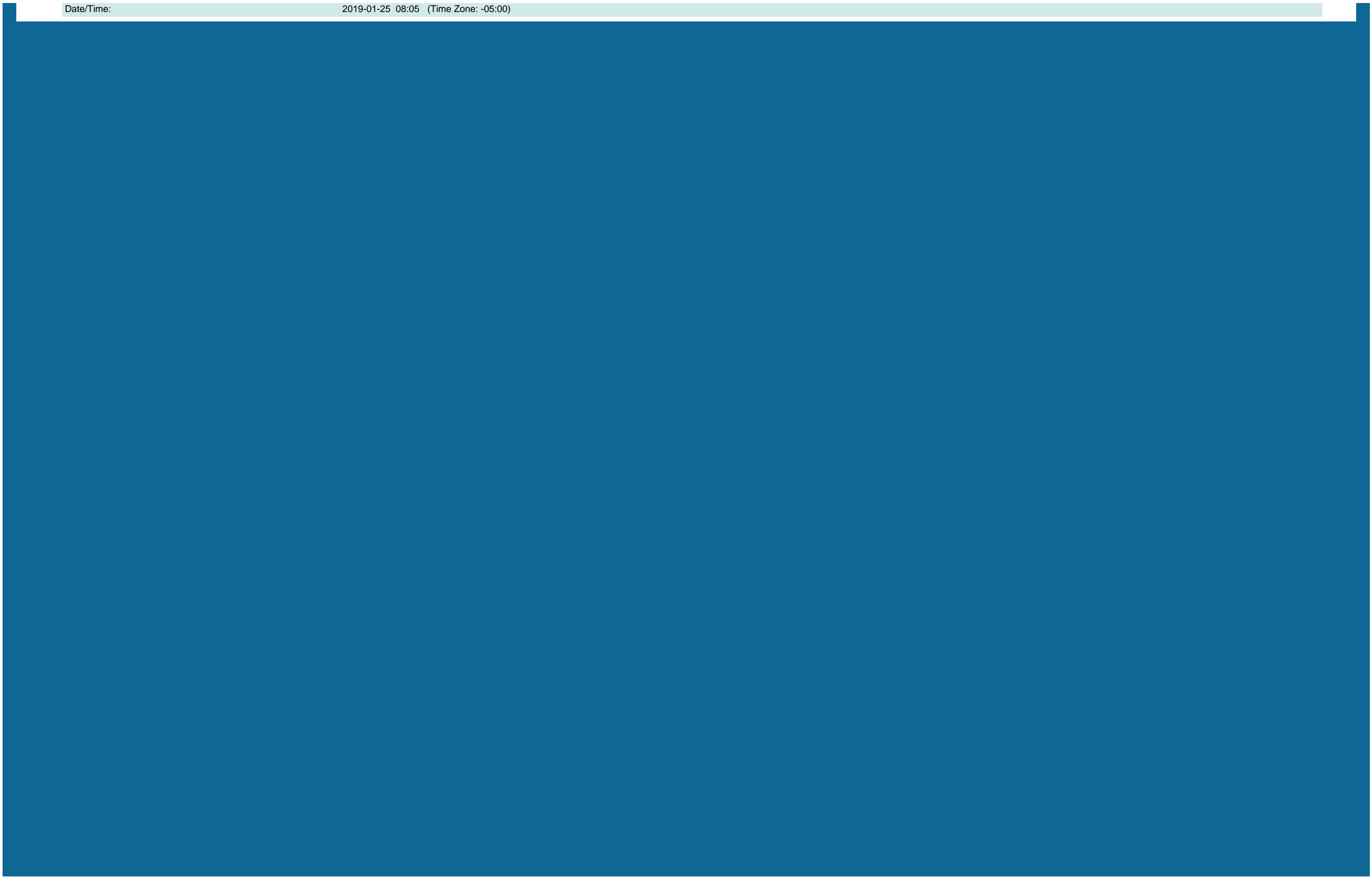
Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org
Date/Time: 2019-01-25 07:48 (Time Zone: -05:00)

Report Last Signed By

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org



Name of Sewage Treatment Plant West County WTP Jefferson County Month of: December 2018

KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mL/L)			Dissolved Oxygen (mg/L)			Suspended Solids (mg/L)			Total Solids (mg/L)			5-day BOD (mg/L)			Activated Sludge		Aeration Basin						Phosphorus mg/L		Final			Total mg/L	Cr +6 mg/L								
		Removed (cu. ft.)	Screenings (cu. ft.)	Raw	Final	Raw	Primary (or Sec.)	Final	Stream Above	Final	Stream Below	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Gal/Day	MLSS mg/L X 1000	WAS	Gal/Day X 1000	Presence Oxygen (mg/L) #1	Presence Oxygen (mg/L) #2	(mg/L) X1000 #1&2	MLVSS (mg/L) X1000	30 min. SVI	80 min. SVI	% Solids	Raw	Final			Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Final		
1	99.42			7.5	7.6				7.0				64.0		14.0				138.0		19.0						2110	1660	130					0.016	4.40	4							
2	119.33			7.1	7.3				7.0				176.0		8.0				117.0		12.0						2460	1940	75					0.016	2.10	174							
3	82.14			7.2	7.1				7.0				284.0		6.0				196.0		17.0						2280	1750	120					0.016	3.20	61	32	8					
4	64.73			7.2	7.0				7.0				316.0		7.0				272.0		8.0						2390	1840	140					0.016	3.70	4							
5	59.27			7.4	7.6				7.0				388.0		7.0				257.0		16.0						1900	1500	130					0.018	6.10	15							
6	52.39			7.5	7.5				7.0				532.0		10.0				342.0		26.0						664	509	90					0.016	6.50	31							
7	48.30			7.6	7.5				7.0				660.0		11.0				482.0		18.0						1410	1120	100					0.016	7.20	12							
8	46.90			7.4	7.4				7.0				236.0		9.0				146.0		16.0						2520	1960	150					0.016	6.80	37							
9	45.20			7.3	7.3				7.0				208.0		10.0				204.0		26.0						2270	1780	150					0.016	7.00	2							
10	42.57			7.9	7.7				7.0				280.0		15.0				258.0		34.0						2610	2080	130					0.016	8.00	2	23	15					
11	41.31			7.3	7.4				7.0				196.0		11.0				173.0		27.0						2690	2050	150					0.016	8.80	870							
12	40.03			7.4	7.4				7.0				196.0		9.0				156.0		21.0						3700	2900	130					0.016	8.10	2				0.005			
13	38.71			7.4	7.4				8.0				232.0		9.0				196.0		26.0						2580	2010	150					0.016	7.70	10							
14	38.83			7.5	8.0				8.0				90.0		12.0				112.0		22.0						2540	2030	150					0.016	7.70	20							
15	115.95			7.1	7.3				7.0				152.0		10.0				73.0		20.0						2580	2080	120					0.016	3.90	20							
16	97.28			6.8	7.2				8.0				104.0		7.0				83.0		13.0						1910	1490	110					0.016	2.70	2							
17	71.30			7.2	7.2				7.0				216.0		7.0				217.0		14.0						2210	1760	140					0.016	3.90	10	15	9					
18	59.84			7.2	7.3				8.0				176.0		6.0				133.0		10.0						2360	1830	150					0.016	4.70	2							
19	54.41			7.2	7.3				7.0				148.0		6.0				147.0		10.0						2410	1870	150					0.016	5.20	2							
20	58.13			7.7	7.4				8.0				176.0		9.0				153.0		16.0						2530	1920	160					0.016	5.00	2							
21	87.93			7.2	7.1				7.0				102.0		5.0				86.0		8.0						2000.00	1540	135					0.016	3.70	136							
22	66.97			7.2	7.2				7.0				117.0		8.0				125.0		17.0						2300	1730	160					0.016	5.20	23							
23	56.63			7.3	7.3				7.0				128.0		6.0				116.0		8.0						2190.00	1710	150					0.016	5.10	2							
24	51.75			7.0	7.2				8.0				140.0		4.0				121.0		7.0						2980	2290	150					0.016	4.90	2							
25	46.85			7.1	7.7				8.0				98.0		5.0				101.0		8.0						2380	1860	165					0.016	5.30	2							
26	44.96			7.3	7.5				7.0				236.0		5.0				240.0		9.0						2780	2270	170					0.016	5.80	2	27	12					
27	49.37			7.8	7.3				7.0				180.0		8.0				172.0		20.0						2440	1900	170					0.016	5.70	8							
28	67.87			7.2	7.2				7.0				124.0		7.0				101.0		11.0						2300	1860	160					0.016	3.30	2							
29	53.65			7.4	7.2				8.0				160.0		6.0				124.0		10.0						2380	1890	160					0.016	4.20	2							
30	48.84			7.1	7.2				8.0				156.0		5.0				152.0		9.0						2600	2090	180					0.016	4.40	2							
31	104.84			7.1	7.1				8.0				164.0		10.0				108.0		13.0						2610	2020	180					0.016	2.70	2							
Total	1951.5	0	0																																								
Avg	62.95			7.3	7.4				7.3				207.6		8.1				171.0		15.8						5671.29								0.016	5.25	7	23	10	0.005			

_____ 36173 _____ Operator Deborah Hathaway
 _____ 34248 _____
 _____ 1907 _____ 496793 _____ 425359 _____ 416222 _____
 Industrial Connections: _____ Flow _____ BOD _____ TSS _____ Cert. # 16354
 Sewer Connections X 3 = 102744 _____ Phone # 502-540-6000

Report Selections: Period: 12/01/2018 00:00 thru 12/31/2018 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	25484	9317 LANTANA DR		PENNSYLVANIA RUN	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3018146		12/01/2018	CATALANO JR	FIELDS	DOCUMENTED	01/13/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/01/18 06:00 PM	

Discharge Reporting:

Discharge Amount:	9,375 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

12/2/18 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: 12/01/2018 00:00 thru 12/31/2018 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
SLS Sewer Lift Station	MSD1013-PS	9114 CINDERELLA LN	CINDERELLA	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	3032878		12/31/2018	GRAY JR	PAULEY	DOCUMENTED	11/29/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/31/18 09:53 PM	

Discharge Reporting:

Discharge Amount:	3,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	NONE OBSERVED BY MSD PERSONNEL.
Repair:	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

1/1/19 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Total Facilities Printed: 2

Total Work Orders Printed: 2