



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

December 14, 2020

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 2020.**

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 2020.

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

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

A handwritten signature in blue ink, appearing to read 'Kevin Thompson', with a long horizontal flourish extending to the right.

Kevin Thompson
Process Supervisor, West Region

KLT/West County 11/20
Enclosures

cc: C. Roth
V. Graves
R. Shaw

DMR Copy of Record

Permit

Permit #:

KY0078956

Major:

Yes

Permittee:

Derek R Guthrie WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

DEREK R GUTHRIE WQTC MSD

Facility Location:

11621 LOWER RIVER RD
LOUISVILLE, KY 40272

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 11/01/20 to 11/30/20

DMR Due Date:

12/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Parameter 00610 - 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.

Last Name:

Parrott

Title:

Exective Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	7.0					19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	2.0 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.7			=	7.6	12 - SU	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/01 - Daily	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	1939.0	=	2360.0	26 - lb/d		=	5.0	=	6.0	19 - mg/L	0	01/01 - Daily	24 - COMP24	
					Permit Req.	<=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	01/01 - Daily	24 - COMP24	
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	248.0	=	312.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	11.0	=	14.0	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample								=	21.0	=	23.0	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	1.0	=	1.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.								<=	20.0 MO AVG	<=	30.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.0	=	1.0	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample								=	3.06	=	3.69	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	44.87	=	48.695	03 - MGD								0	99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	45.21	=	48.865	03 - MGD								0	99/99 - Continuous	RF - RCDFLO
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									99/99 - Continuous	RF - RCDFLO
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.016	<	0.016	19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.								<=	0.019 MO AVG	<=	0.019 MX WK AV	19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	9.0	=	22.0	13 - #/100mL	0	01/01 - Daily	GR - GRAB
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL		01/01 - Daily	GR - GRAB
					Value NODI															

80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	3281.0	=	4055.0	26 - lb/d			=	9.0	=	10.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.	<=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	171.0	=	198.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	95.0				23 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN				23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	98.0				23 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN				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

No errors.

Comments

Attachments

Name	Type	Size
Coverletter.pdf	pdf	34677.0
SDRG-ADMIN-20121410411.pdf	pdf	133630.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG

Name: William Ford

E-Mail: william.ford@louisvillemSD.org

Date/Time: 2020-12-16 08:41 (Time Zone: -05:00)

Report Last Signed By

Kevin Thompson

User: kevin.thompson@louisvillemSD.org

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemSD.org

Date/Time: 2020-12-16 08:51 (Time Zone: -05:00)

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: November 2020
 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 Chlorine Residual (mg/L)	Final NH3-N (mg/L)	Final E. Coli (MPN)	Total mg/L		Cr +6 mg/L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		Removed (cu. ft.)	Screenings (cu. ft.)		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	Gal/Day X 1000	Dissolved Oxygen (mg/L) #1	Dissolved Oxygen (mg/L) #2	(mg/L) X1000 #1	MLVSS (mg/L) X1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

_____ 36173 _____
 _____ 34248 _____
 _____ 1907 _____ 324621 _____ 272673 _____ 338982 _____
 _____ 18 _____ Flow BOD TSS
 Industrial Connections: _____
 Sewer Connections X 3 = _____ 102744 _____

Operator: Roy McCarty Jr.
 Cert. #: 31503
 Phone #: 502-540-6000