



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

September 18, 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 August 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 August 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,

Kevin Thompson
Process Supervisor, West Region

KLT/West County 08/20
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 08/01/20 to 08/31/20

DMR Due Date:

09/28/20

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:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	3147.0	=	3599.0	26 - lb/d			=	8.0	=	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								=	206.0	=	281.0	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							=	96.0				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							=	97.0				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
SDRG-ADMIN-20092208150.pdf	pdf	35359.0
SDRG-ADMIN-20092208160.pdf	pdf	133790.0

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: 2020-09-22 09:07 (Time Zone: -04:00)

Report Last Signed By

Kevin Thompson

User: kevin.thompson@louisvillemSD.org

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemSD.org

Date/Time: 2020-09-22 09:07 (Time Zone: -04:00)

Name of Sewage Treatment Plan West County WTP Jefferson County Month of: August 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	WAS	Gal/Day x 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) x1000 #1	MLVSS (mg/L) x1000	30 min. SVI	60 min. SVI	% Solids				Raw	Final				
1	80.09			7.0	7.1				7.0		96.0		3.0			73.0		4.0		4970							3080	2610	130				0.016	0.90	104				
2	82.26			7.1	7.2				7.0		95.0		9.0			72.0		5.0		6030							2160	1740	120		2.35	0.75	0.016	0.98	10500	21	7		
3	61.19			7.2	7.1				6.0		256.0		10.0			184.0		7.0		5080							2300	1860	140				0.016	0.98	6				
4	51.97			7.2	7.0				7.0		284.0		10.0			234.0		9.0		5060							1760	1440	130				0.016	0.90	2				
5	46.21			7.6	7.3				7.0		153.0		10.0			120.0		8.0		5400							3600	2840	160				0.016	0.74	2				
6	43.46			7.1	7.1				7.0		134.0		8.0			151.0		6.0		5720							2320	1880	150				0.016	0.66	15				
7	41.08			7.2	7.2				7.0		240.0		7.0			198.0		9.0		5080							2820	2140	150				0.016	0.64	2				
8	38.28			7.1	7.3				7.0		264.0		8.0			226.0		5.0		5780							2640	2140	150				0.016	0.57	202				
9	38.35			7.3	7.4				7.0		304.0		11.0			206.0		10.0		5400							2600	2080	150		6.38	2.03	0.016	0.93	242	35	14		
10	41.65			7.5	7.0				7.0		199.0		10.0			144.0		12.0		5040							2160	1640	110				0.016	0.85	39				
11	40.06			7.2	6.8				7.0		212.0		8.0			210.0		9.0		5220							2540	2040	150				0.016	0.52	16				
12	38.61			7.1	7.5				7.0		328.0		8.0			234.0		7.0		5100							2740	2240	150				0.016	0.82	11				
13	45.04			7.2	7.3				7.0		332.0		8.0			181.0		7.0		5900							2460	2040	120				0.016	1.20	7				
14	96.13			7.1	7.6				7.0		302.0		11.0			152.0		10.0		4700							3540	2820	100				0.016	0.29	105				
15	64.74			7.0	7.1				7.0		292.0		8.0			213.0		7.0		5880							3720	2880	150				0.016	0.20	27				
16	51.36			7.1	7.1				7.0		396.0		9.0			254.0		7.0		5440							2980	2320	160		4.56	1.39	0.016	0.44	25	27	11		
17	46.11			7.4	7.0				7.0		656.0		6.0			491.0		7.0		5220							3340	2660	160				0.016	0.48	151				
18	42.77			7.2	7.3				7.0		288.0		10.0			212.0		5.0		5380							2840	2140	160				0.016	0.46	2				
19	40.41			7.8	7.4				7.0		324.0		7.0			219.0		5.0		4060							3640	2900	110				0.016	0.44	2				
20	38.01			7.3	7.4				7.0		424.0		8.0			301.0		6.0		5820							3140	2420	150				0.016	0.76	60				
21	38.06			7.3	7.2				7.0		464.0		9.0			280.0		9.0		5680							2760.00	2180	160				0.016	1.10	44				
22	53.13			7.3	7.1				7.0		412.0		12.0			194.0		14.0		6980							3240	2400	150				0.016	1.40	32				
23	54.43			7.0	7.4				7.0		420.0		12.0			248.0		7.0		7800							2600.00	1960	150		1.76	1.15	0.016	0.49	32	15	10		
24	45.24			7.1	7.0				7.0		300.0		10.0			100.0		5.0		6000							2860	2220	160				0.016	0.44	19				
25	40.98			7.1	7.2				7.0		188.0		5.0			125.0		16.0		5720							2800	2280	150				0.016	1.10	96				
26	39.82			7.2	7.0				7.0		296.0		7.0			201.0		8.0		5740							3020	2400	160				0.016	1.10	39				
27	37.20			7.1	7.0				7.0		312.0		7.0			224.0		7.0		5980							2700	2160	160				0.016	1.30	2				
28	39.59			7.2	7.2				7.0		750.0		7.0			384.0		11.0		4520							2480	2020	120				0.016	1.70	7				
29	56.45			6.7	6.6				7.0		425.0		8.0			287.0		9.0		7560							2230	1810	140				0.016	1.60	7				
30	42.78			7.0	7.1				7.0		228.0		6.0			148.0		6.0		6180							3050	2470	190				0.016	0.66	94				
31	44.99			6.8	7.1				7.0		118.0		7.0			115.0		4.0		5880							3100	2560	160				0.016	0.71	59				
Total	1520.4	0	0																0.0		0.0																		
Avg.	49.05			7.2	7.2				7.0		306.2		8.4			205.8		7.8		5623.23								2813.55	2235.16	145.16		3.76	1.33	0.016	0.82	24	23	10	

_____ 36173 _____ Operator Roy McCarty Jr.
 _____ 34248 _____
 _____ 1907 _____ 364367 _____ 392539 _____ 493676 _____
 _____ 18 _____ Flow BOD TSS
 Industrial Connections: _____
 Sewer Connections X 3 = 102744 _____ Phone # 502-540-6000