



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

October 18th, 2024

Ms. Crystal Dennis  
Kentucky Division of Water  
300 Sower Blvd., 3<sup>rd</sup> Floor  
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center  
KPDES Permit No. KY0078956,  
Discharge monitoring report for September 2024.**

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 September 2024.

There were no bypasses or exceedances.

See attached Overflow report.

If you have any questions concerning the attached DMR's, please contact me at (502)264-2804.

Sincerely,

Alex Smither  
Process Supervisor

CAS 8/24

Enclosures

cc: B. Tinnell  
V. Graves  
M. Saylor



					Value NODI																			
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample																			
					Permit Req.																			
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	42.722	=	60.258	03 - MGD														
					Permit Req.																			
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	42.101	=	60.578	03 - MGD														
					Permit Req.																			
					Value NODI																			
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample																			
					Permit Req.																			
					Value NODI																			
51040	E. coli	1 - Effluent Gross	0	--	Sample																			
					Permit Req.																			
					Value NODI																			
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample																			
					Permit Req.																			
					Value NODI																			
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample																			
					Permit Req.																			
					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
DRG_COVER_9_24.pdf	pdf	38426.0
DRG_OVERLOW_9_24.pdf	pdf	59364.0
DRG_MOR_9_24.pdf	pdf	138297.0

**Report Last Saved By**

**Derek R Guthrie WQTC MSD**

User: ALEX.SMITHER@LOUISVILLEMSD.ORG  
 Name: Charles Smither  
 E-Mail: alex.smither@louisvillemmsd.org  
 Date/Time: 2024-10-18 10:49 (Time Zone: -04:00)

**Report Last Signed By**

User: ALEX.SMITHER@LOUISVILLEMSD.ORG  
 Name: Charles Smither  
 E-Mail: alex.smither@louisvillemmsd.org  
 Date/Time: 2024-10-18 10:55 (Time Zone: -04:00)

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: September 2024  
 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	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)	Gal/Day X 1000	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X 1000 #1	(mg/L) X 1000 #2	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Final	Final	Raw	Final	Final				
		1	29.44			7.3	7.2				5.7		800.0	5.0				559.0	10.0	23.778	5500	1312500							3020	2520	200					0.016	4.00	2					
2	28.05			7.2	7.2				5.7		896.0	4.0				571.0	9.0	23.195	5680	1332800							3700	3170	200					0.016	4.60	2							
3	30.33			6.9	7.2				5.5		1070.0	5.0				684.0	10.0	22.965	5360	1307300							2800	2350	180			13.60	2.08	0.016	3.50	2	80	15					
4	29.70			7.3	7.3				5.5		456.0	6.0				263.0	7.0	23.308	5680	1233300							2850	2400	200					0.016	4.30	4							
5	31.66			7.5	7.1				5.5		716.0	4.0				455.0	8.0	23.537	5960	1171100							2860	2420	200					0.016	4.50	2							
6	30.23			7.2	7.1				5.3		788.0	5.0				504.0	11.0	23.26	5960	1170600							3060	2620	200					0.016	3.90	2							
7	29.49			7.4	7.2				3.9		680.0	5.0				438.0	11.0	22.627	5560	1171300							3070	2590	180					0.016	4.90	2							
8	29.37			7.2	7.1				2.7		636.0	5.0				392.0	10.0	24.30	5260	1300000							3580	3060	190			7.37	1.88	0.016	4.00	2							
9	29.57			7.2	7.2				2.0		644.0	6.0				459.0	7.0	21.189	5500	1304000							3280	2830	220					0.016	4.10	2	32	14					
10	31.17			6.9	7.2				5.9		580.0	8.0				425.0	11.0	19.983	5480	1234800							2890	2470	200					0.016	4.80	17							
11	29.11			7.4	7.5				5.6		340.0	5.0				314.0	9.0	20.176	7060	1182200							2490	2040	200					0.016	4.60	2							
12	29.22			7.4	7.1				5.4		760.0	4.0				477.0	9.0	20.127	6160	1178900							3420	2920	210					0.016	5.00	9							
13	47.13			7.2	7.3				5.3		720.0	4.0				462.0	8.0	24.951	5820	1050000							3150	2700	200					0.016	4.80	15							
14	42.16			7.2	7.1				5.5		584.0	8.0				338.0	14.0	26	6140	1270000							3170	2650	200					0.016	4.80	2							
15	37.49			7.3	7.4				5.5		392.0	6.0				288.0	8.0	25.436	3040	1285000							1370	1150	100					0.016	4.00	2							
16	35.05			7.1	7.4				5.5		484.0	8.0				327.0	11.0	19.899	6060	1083000							10900	9000	140			10.10	2.01	0.016	6.40	2	42	12					
17	32.72			7.3	7.5				5.4		448.0	7.0				383.0	7.0	18.501	6440	1190000							2620	2160	200					0.016	5.80	2							
18	31.48			6.9	7.3				5.8		396.0	5.0				484.0	8.0	19.429	6220	1138500							2870	2390	200					0.016	6.00	10							
19	31.27			7.2	7.2				5.9		520.0	8.0				384.0	10.0	19.829	6420	1215200							3150	2630	200					0.016	8.40	2							
20	30.78			7.2	7.2				5.7		412.0	5.0				316.0	7.0	20.454	6500	1251800							3290	2710	200					0.016	6.00	2							
21	30.35			7.2	7.1				5.6		188.0	5.0				231.0	9.0	20.33	5060	1152900							2590.00	2190	180					0.016	6.80	8							
22	30.80			7.0	7.1				5.6		480.0	6.0				348.0	7.0	21.641	5360	1170000							2680	2230	180					0.016	5.80	2							
23	31.67			7.1	7.1				5.6		516.0	7.0				408.0	8.0	20.928	5580	1208000							2880.00	2400	180			8.50	2.86	0.016	6.30	4	40	14					
24	44.83			7.1	7.2				5.5		440.0	7.0				254.0	8.0	23.27	5880	1200000							3050	2550	200					0.016	6.50	6							
25	48.35			7.0	7.2				5.5		203.0	9.0				164.0	13.0	31.661	6380	1250000							2550	2120	200					0.016	5.50	97							
26	37.63			7.1	7.2				5.6		480.0	6.0				238.0	7.0	33.04	6040	1160000							3320	2750	200					0.016	4.30	17							
27	91.40			7.2	7.3				5.2		508.0	6.0				396.0	9.0	43.021	5640	1218500							2900	2410	180					0.016	6.10	1520							
28	137.13			7.0	7.0				5.0		320.0	12.0				192.0	20.0	54.58	6500	1118600							2200	1800	120					0.016	4.50	11							
29	102.92			7.0	7.0				5.2		188.0	8.0				103.0	9.0	49.563	7460	1047000							2500	2020	150					0.016	1.50	8170							
30	81.18			7.1	7.4				5.3		228.0	7.0				153.0	8.0	40.383	7620	1039000							2940	2370	190					0.016	2.10	1150							
31																																											
Total	1281.7	0	0																																								
Avg.	42.72			7.2	7.2				5.2		529.1	6.2				367.0	9.4	26.05	5903.33	1198043.33								3171.67	2654.00	186.67			9.89	2.21	0.016	4.93	8	45	14				

Industrial Connections: 36173 Flow 304134 BOD 666452 TSS 794971  
 Sewer Connections X 3 = 18 Flow 102744 BOD 1907 TSS 34248  
 Operator: Gary Phelps  
 Cert. #: 30428  
 Phone #: 502-540-6000

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	102339	9114 CINDERELLA LN	DEREK R. GUTHRIE	FISHPOOL 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	3853864		09/28/2024	CATALANO JR BROADEN		DOCUMENTE D	07/14/2015	LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	09/28/24 01:36 PM	

**Discharge Reporting:**

Discharge Amount:	1,970 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 FOUND ON THE GROUND.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

**Notifications:**

9/28/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
9/28/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION