



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

October 24, 2024

Crystal Dennis  
300 Sower Blvd., 3rd Floor  
Frankfort, Kentucky 40601

**RE: Pro Logics STP, KPDES No: KY0103900  
Discharge Monitoring Report for September 2024.**

Dear Ms. Dennis:

Attached is the Discharge Monitoring Report (DMR) for the Pro Logics STP, for the month of September 2024.

There was one exceedance for the month. Phosphorus daily max result was 1.18 permit limit is 1.125. This was due to chemical tank line being clogged. Had tank and lines cleaned. Plant is now back in compliance.

There were no bypasses, or discharges, for the month.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6717.

Sincerely,

Jon Baldrige  
Process Supervisor

JOB/ PRO LOG 9/23.

Cc: V. Teague/B.Tinnell

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<b>Permit</b>			
<b>Permit #:</b>	<b>KY0103900</b>	<b>Permittee:</b>	Louisville and Jefferson County MSD
<b>Major:</b>	No	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> Domestic Wastewater from a Publicly Owned Treatment Works
<b>Facility:</b>		<b>Facility Location:</b>	BCSD HILLVIEW STP 285 BROOKS WAY BROOKS, KY 40109

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 09/01/24 to 09/30/24</b>	<b>DMR Due Date:</b>	<b>10/28/24</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

**Considerations for Form Completion**  
Total Nitrogen is the summation of the analytical results for Total Nitrates, Total Nitrites, and Total Kjeldahl Nitrogen

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Executive Director
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	502-540-6000

**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				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7.0									19 - mg/L	0	01/07 - Weekly	GR - GRAB				
					Permit Req.	>=	7.0 INST MIN								19 - mg/L	01/07 - Weekly		GR - GRAB					
					Value NODI																		
00400	pH	1 - Effluent Gross	0	--	Sample	=	6.5					=	7.0		12 - SU	0	01/07 - Weekly	GR - GRAB					
					Permit Req.	>=	6.0 MINIMUM							<=	9.0 MAXIMUM		12 - SU	01/07 - Weekly	GR - GRAB				
					Value NODI																		
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	1.85	=	2.15	26 - lb/d		<	6.0	<	6.0	19 - mg/L	0	01/07 - Weekly	24 - COMP24				
					Permit Req.	<=	37.53 MO AVG	<=	56.295 MX WK AV	26 - lb/d		<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/07 - Weekly	24 - COMP24				
					Value NODI																		
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	211.0	=	334.0	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]	1 - Effluent Gross	0	--	Sample							=	41.7	=	46.4	19 - mg/L	0	01/07 - Weekly	24 - COMP24				
					Permit Req.											Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI																		
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	59.85	=	68.2	19 - mg/L	0	01/07 - Weekly	24 - COMP24				
					Permit Req.											Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample							=	0.3	=	0.5	19 - mg/L	0	01/07 - Weekly	24 - COMP24				
					Permit Req.											<=		3.0 MO AVG	<=	4.5 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI																		
X 00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample							=	0.51	=	1.18	19 - mg/L	1	01/07 - Weekly	24 - COMP24				
					Permit Req.											<=		0.75 MO AVG	<=	1.125 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24
					Value NODI																		
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample							=	7.7	=	8.17	19 - mg/L	0	01/07 - Weekly	24 - COMP24				
					Permit Req.													Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.047	=	0.223	03 - MGD							0	99/99 - Continuous	RE - Record (manual)				
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous	RE - Record (manual)				

Code	Parameter	Monitoring Location	Field	Type	Description	Acknowledge
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Value NODI Sample = 0.055 = 0.224 03 - MGD Permit Req. Req Mon MO AVG Req Mon DAILY MX 03 - MGD Value NODI	0 99/99 - Continuous RE - Record (manual) 99/99 - Continuous RE - Record (manual)
51040	E. coli	1 - Effluent Gross	0	--	Value NODI Sample = 1.0 = 1.0 13 - #/100mL Permit Req. <= 130.0 30DA GEO <= 240.0 7 DA GEO 13 - #/100mL Value NODI	0 01/07 - Weekly GR - GRAB 01/07 - Weekly GR - GRAB
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Value NODI Sample = 2.6 = 3.002 26 - lb/d Permit Req. <= 12.51 MO AVG <= 18.765 MX WK AV 26 - lb/d Value NODI	0 01/07 - Weekly 24 - COMP24 01/07 - Weekly 24 - COMP24
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Value NODI Sample = 176.0 = 229.0 19 - mg/L Permit Req. Req Mon MO AVG Req Mon MX WK AV 19 - mg/L Value NODI	0 01/07 - Weekly 24 - COMP24 01/07 - Weekly 24 - COMP24
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Value NODI Sample = 95.2 Permit Req. >= 85.0 MO AV MN Value NODI	0 01/30 - Monthly CA - CALCTD 01/30 - Monthly CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Value NODI Sample = 97.2 Permit Req. >= 85.0 MO AV MN Value NODI	0 01/30 - Monthly CA - CALCTD 01/30 - Monthly CA - CALCTD

**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**

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00665	Phosphorus, total [as P]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes

**Comments**

**Attachments**

Name	Type	Size
ProLogiccoverletter.docx	docx	330509.0

**Report Last Saved By**

**Louisville and Jefferson County MSD**

User: JON.BALDRIDGE@LOUISVILLEMSD.ORG  
 Name: Jonathan Baldrige  
 E-Mail: jon.baldrige@louisvillemsd.org  
 Date/Time: 2024-10-24 10:01 (Time Zone: -04:00)

**Report Last Signed By**

User: JON.BALDRIDGE@LOUISVILLEMSD.ORG  
 Name: Jonathan Baldrige  
 E-Mail: jon.baldrige@louisvillemsd.org  
 Date/Time: 2024-10-24 10:08 (Time Zone: -04:00)