

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

October 13, 2023

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

RE: Pro Logics STP, KPDES No: KY0103900

Discharge Monitoring Report for September 2023.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Pro Logics STP, for the month September 2023.

There were no overflows or discharges.

MSD had three exceedances for the month of September. Effluent total phos. Daily max. Due to under feeding Sodium Aluminate. New metering pump was installed to the correct dosage. BOD Monthly and weekly max. Was due to under wasting. MSD has wasted and plant is now in compliance.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Jon Baldridge

**Process Supervisor** 

JSS/PRO LOG 09/23.

Cc: V. Teague/B.Tinnell

# **DMR Copy of Record**

Permit

Permit #: KY0103900

Permittee: Louisville and Jefferson County MSD

Major: No

700 W Liberty St Louisville, KY 40203

Facility Location:

Facility:

Status:

Telephone:

BCSD HILLVIEW STP 285 BROOKS WAY BROOKS, KY 40109

Permitted Feature:

001 External Outfall Discharge: 001-1

Permittee Address:

DMR Due Date:

Title:

Domestic Wastewater from a Publicly Owned Treatment Works

Report Dates & Status

Monitoring Period: From 09/01/23 to 09/30/23

Parrott

10/28/23

NetDMR Validated

**Considerations for Form Completion** 

Total Nitrogen is the summation of the analytical results for Total Nitrates, Total Nitrites, and Total Kjeldahl Nitrogen

**Principal Executive Officer** 

First Name: James A.

Executive Director

150-254-0600

No Data Indicator (NODI)

Last Name:

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI				antity or Lo						Quality or Conce				# of Ex.	Frequency of Analysis	s Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	2 Value 2	Units Qu			Qualifier 2	Value 2	Qualifier 3	3 Value 3	Units			
					Sample					=		3.1					19 - mg/L		01/07 - Weekly	GR - GRAB
0300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.					>=		7.0 INST MIN					19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
					Sample					=	(	5.2			=	7.0	12 - SU		01/07 - Weekly	GR - GRAB
0400	pH	1 - Effluent Gross	0		Permit Req.					>=	(	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB
70400	pn	1 - Emdent Gross	0		Value NODI													_ 0		
					Sample		6.86		10.642	26 - Ib/d				26.0			19 - mg/L		01/07 - Weekly	24 - COMP24
0530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.	<=	37.53 MO AVG	<=	56.295 MX WK AV	26 - ID/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample								=	183.0	=	313.0	19 - mg/L		01/07 - Weekly	24 - COMP24
0530	Solids, total suspended	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	3	Req Mon MX WK AV	/ 19 - mg/L	0	01/07 - Weekly	24 - COMP24
,0000	Solius, total suspended	3 Naw Sewage Illindent			Value NODI													0		
														47.4		54.7	40 " "		04/07 14/	04 001450:
					Sample									47.4	=	54.7	19 - mg/L		01/07 - Weekly	24 - COMP24
00600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVO	j	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample								=	58.0	-	77.9	19 - mg/L		01/07 - Weekly	24 - COMP24
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	3	Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3 Naw Sewage Illindent			Value NODI													0		
																				24 2211224
	Nitrogen, ammonia total [as N] 1 - Efflu				Sample									1.6	=		19 - mg/L		01/07 - Weekly	24 - COMP24
00610		1 - Effluent Gross	1		Permit Req.								<=	3.0 MO AVG	<=	4.5 DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample								=	0.69	=	1.18	19 - mg/L		01/07 - Weekly	24 - COMP24
X 00665	Phosphorus, total [as P]	1 - Effluent Gross	1		Permit Req.								<=	0.75 MO AVG	<=	1.125 DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
10000	Thosphorus, total [us 1]	1 Emacine Groce	'		Value NODI															
														0.0		0.0	40/1		04/07 10/1-1-	04 0014004
					Sample Barmit Bag									6.8	=	8.3	19 - mg/L		01/07 - Weekly	24 - COMP24 24 - COMP24
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVO	7	Req Mon DAILY MX	19 - mg/L	1	01/07 - Weekly	24 - COMP24
					Value NODI															
					Sample	=	0.03	=	0.038	03 - MGD									99/99 - Continuous	RE - Record (m
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.		Req Mon MO AV	G	Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	RE - Record (m
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 1011, 111 doi:1011111111111111111111111111111111111	. Lindom Grood			Value NODI															
					Comple		0.03		0.039	03 MCD									00/00 Continuous	DE Boord (m
					Sample Permit Req.		0.03 Reg Mon MO AV	= G	0.038 Reg Mon DAILY MX	03 - MGD									99/99 - Continuous 99/99 - Continuous	RE - Record (m
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0				Red Molt MO AV	0	Req Mon DAILT MA	. 03 - WOD								0	99/99 - Continuous	IXE - IXECOIA (II
					Value NODI															
					Sample								=	1.4			13 - #/100m		01/07 - Weekly	GR - GRAB
1040	E. coli	1 - Effluent Gross	0		Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100m	nL O	01/07 - Weekly	GR - GRAB
		2	Ŭ		Value NODI															
							2.70		F 404	00 lb/-l				14.0		10.0	40 == /1		04/07 Mechi	24 0014004
_					Sample Darmit Dan		3.78		5.104	26 - lb/d				14.0		18.0	19 - mg/L		01/07 - Weekly	24 - COMP24
X 80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0		Permit Req.	<=	12.51 MO AVG	<=	18.765 MX WK AV	∠o - ID/0			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	2	01/07 - Weekly	24 - COMP24
					Value NODI															

80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	 Sample Permit Req. Value NODI		=	267.0 Req Mon MO AVG	=	291.0 Req Mon MX WK AV	19 - mg/L 19 - mg/L	01/07 - Weekly 01/07 - Weekly	24 - COMP24 24 - COMP24
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	 Sample Permit Req. Value NODI	>=	95.0 85.0 MO AV MN				23 - % 23 - %	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal	0	 Sample Permit Req. Value NODI	= >=	86.1 85.0 MO AV MN				23 - % 23 - %	01/30 - Monthly 01/30 - Monthly	CA - CALCTD 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

	Parameter	Monitoring Location	Field	Typo	Description		
Code	Name	Monitoring Location	rieiu	Туре	Description		
00665	Phosphorus, total [as P]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes	

#### Comments

### Attachments

Name	Туре	Size
prologis.pdf	pdf	40832.0

## Report Last Saved By

Louisville and Jefferson County MSD

User: kevin.thompson@louisvillemsd.org

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

Date/Time: 2023-10-17 10:12 (Time Zone: -04:00)

Report Last Signed By

User: JON.BALDRIDGE@LOUISVILLEMSD.ORG

Name: Jonathan Baldridge

E-Mail: jon.baldridge@louisvillemsd.org

Date/Time: 2023-10-18 08:57 (Time Zone: -04:00)