

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

January 21st, 2022

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

RE: Pro Logics STP, KPDES No: KY0103900

Discharge Monitoring Report for December 2021.

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Pro Logics STP, for the month December 2021.

There were no overflows or bypasses.

There were two exceedances for the month of December. Due to a blower electrical issue our Nitrogen, ammonia Daily Maximum requirement of 12.0 mg/l had a violation of 14.6 mg/l. Due to faulty bulbs on our UV system our E.coli 7 Day Geometric requirement of 240.0 mg/l had a violation of 476.0.

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

Sincerely,

Seph Shaun Smith Process Supervisor

JSS/ PRO LOG 12/21.

Cc:

V. Teague

R. Shaw

DMR Copy of Record

Permit		

Permit #: KY0103900

Louisville and Jefferson County MSD Permittee:

Permittee Address:

Discharge:

Title:

DMR Due Date:

Facility Location:

Facility:

Status:

Telephone:

BCSD HILLVIEW STP 285 BROOKS WAY

BROOKS, KY 40109

Major:

No

Parrott

700 W Liberty St Louisville, KY 40203

Permitted Feature: 001 External Outfall 001-4 ANNUAL SAMPLING YEARS 2 - 4

Report Dates & Status

Monitoring Period: From 01/01/21 to 12/31/21 01/28/22

NetDMR Validated

Considerations for Form Completion

Requires a minimum of 3 samples. Annual sampling during years 2 through 4 of the permit term for those parameters required to be analyzed and reported on the application. The permittee shall report the No Discharge (NODI) 9 ? Conditional Monitoring Not Required This Period for years 1 and 5 of the

Principal Executive Officer

First Name: James **Executive Director**

502-540-6000

No Data Indicator (NODI)

Last Name:

Form NODI:

				Param.			Quantity or Load	ling		Quality or Cor			Frequency of Analysis														
Code	Name	Location	#	NODI		Qualifier 1	Value Qualifier	Value Units Qualifier 2 1	r Value Qualifier 1 2	Value 2	Qualifie 3	r Value 3	Units	Ex.		Туре											
00011	Temperature, water deg. 1 - Effluent		0		Sample Permit Req.					Req Mon AVERAGE		Req Mon MAXIMUM	15 - deg F		03/5Y - Three Every 5 Years	GR - GRAB											
	fahrenheit	Gross			Value NODI					9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period															
		1 - Effluent			Sample Permit Req.					Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB											
00556	Oil & Grease Gross	0		Value NODI					9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period			5.110													
00665	Phosphorus, total [as P] 1 - Effluent Gross			0	0	0	0	0		Sample Permit Req.					Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB						
		Gross												Value NODI					9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period						
51449	Nitrogen, Kjeldahl Total 1 - Effluent Gross	0	0	0	0	0	0	0		Sample Permit Req.					Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB						
01440		Gross							U	J	U	U	U	U	U	U	U	U	U	U	U		Value NODI				
51450	Nitrite Plus Nitrate Total 1 - Efflu Gross	1 - Effluent	0		Sample Permit Req.					Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB											
		Gross			Value NODI					9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period															
70200		1 - Effluent			Sample Permit Req.					Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		03/5Y - Three Every 5 Years	GR - GRAB											
70296		Gross	U		Value NODI					9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period															

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

No attachments.

Report Last Saved By

Louisville and Jefferson County MSD

User:

JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemsd.org

Date/Time: 2022-01-24 08:21 (Time Zone: -05:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemsd.org

Date/Time: 2022-01-24 08:30 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #: KY0103900

Permittee: Louisville and Jefferson County MSD

Major: No

700 W Liberty St Louisville, KY 40203

Executive Director

Facility Location:

Facility:

Status:

Telephone:

BCSD HILLVIEW STP 285 BROOKS WAY BROOKS, KY 40109

Permitted Feature:

001 External Outfall

001-

Permittee Address:

Discharge:

Title:

DMR Due Date:

001-1 MUNICIPAL DISCHARGE

Report Dates & Status

Monitoring Period: From 12/01/21 to 12/31/21

01/28/22

NetDMR Validated

502-254-0600

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

Last Name: Parrott

No Data I	Indicator (NODI)																		
Form NO	DI:																		
	Parameter	Monitoring Location	Season	# Param. NOD				uantity or Lo						Quality or Conce				# of Ex. Frequency of Ar	alysis Sample Type
Code	Name					ualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1		Qualifier 2	2 Value 2	Qualifier 3		Units		00.00.00
					Sample Permit Req.							7.1 7.0 INST MIN					19 - mg/L 19 - mg/L	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0								>=	7.0 INST WIIN					19 - IIIg/L	0 01/07 - Weekly	GR - GRAD
					Value NODI														
					Sample						=	7.03					12 - SU	01/07 - Weekly	GR - GRAB
00400	pH	1 - Effluent Gross	0		Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0 01/07 - Weekly	GR - GRAB
					Value NODI														
					Sample =		1.814	=	2.602	26 - lb/d			=	8.0	=	12.0	19 - mg/L	01/07 - Weekly	24 - COMP24
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req. <=	-	37.55 MO AVG	<=	56.33 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24
00000	Conds, total suspended	1 Emachi Gross			Value NODI														
					Sample								=	217.0	=	288.0	19 - mg/L	01/07 - Weekly	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV			24 - COMP24
00530	Solids, total suspended	G - Raw Sewage Influent	0											rteq Mon MO AVC	,	Req Mon MX WR AV	19 - Hig/L	0 01/07 - Weekly	24 - COIVII 24
					Value NODI														
					Sample									40.0			19 - mg/L	01/07 - Weekly	24 - COMP24
00600 Nitr	litrogen, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVO	3	Req Mon DAILY MX	19 - mg/L	0 01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample =		0.98	=	2.679	26 - lb/d			=	4.7	=	14.6	19 - mg/L	01/07 - Weekly	24 - COMP24
X 00610	Nitrogen, ammonia total [as N] 1 - Effluent Gross	1 - Effluent Gross	2		Permit Req. <=	-	10.01 MO AVG	<=	15.02 MX WK AV	26 - lb/d			<=	8.0 MO AVG	<=	12.0 DAILY MX	19 - mg/L	1 01/07 - Weekly	24 - COMP24
7 00010					Value NODI														
					Sample								=	0.1	=	0.2	19 - mg/L	01/07 - Weekly	24 - COMP24
00005	Phosphorus, total [as P] 1 - Effluent Gross	4 500 40	2		Permit Req.									1.0 MO AVG		Req Mon DAILY MX		01/07 - Weekly	24 - COMP24
00665		1 - Effluent Gross			Value NODI											roq mon 27 ti21 til)t		0 0.707 1100.03	2. 002.
			0		Sample =		0.041		0.058	03 - MGD								99/99 - Continuou	,
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross			Permit Req.		Req Mon MO AV	G	Req Mon MX WK A	V 03 - MGD	1							0 99/99 - Continuou	s RE - Record (mar
					Value NODI														
					Sample =		0.041	=	0.058	03 - MGD								99/99 - Continuou	s RE - Record (mar
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0		Permit Req.		Req Mon MO AV	G	Req Mon MX WK A	V 03 - MGD								0 99/99 - Continuou	s RE - Record (mar
	, , , , , , , , , , , , , , , , , , , ,				Value NODI														
					Sample								=	61.0	=	476.0	13 - #/100mL	01/07 - Weekly	GR - GRAB
V	E coli	4 Effluent Cross	0		Permit Req.									130.0 30DA GEO			13 - #/100mL		GR - GRAB
X 51040	E. COII	1 - Effluent Gross	0		Value NODI													1	
					Sample =		1.23		1.751	26 - lb/d				5.0			19 - mg/L	01/07 - Weekly	24 - COMP24
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0		Permit Req. <=	=	12.52 MO AVG	<=	18.78 MX WK AV	26 - ID/Q			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	0 01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample								=	430.0	=	537.0	19 - mg/L	01/07 - Weekly	24 - COMP24
80082	BOD, carbonaceous [5 day, 20 C] G -	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
		Ŭ I			Value NODI														
					Sample						=	99.0					23 - %	01/30 - Monthly	CA - CALCTD
00004	DOD comb E day 20 do - 2	K. Damant Damant	0		Permit Req.						>=	85.0 MO AV MI	N				23 - %	01/30 - Monthly	CA - CALCTD
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0															0	3.124.3
					Value NODI														

		Solids, suspended percent removal K - Percent Remov		0	Sample	=	= 97.0	23 - %	01/30	0 - Monthly	CA - CALCTD
8	31011		K - Percent Removal		 Permit Req.	>=	>= 85.0 MO AV MN	23 - %	01/30	0 - 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

	Parameter	Monitoring Location	Field	Туре	Description	Acknowledge
Code	Name	Monitoring Location	rielu		Description	Ackilowieuge
00610	Nitrogen, ammonia total [as N]	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
51040	E. coli	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

Comments

Attachments

Name	Туре	Size
ProLogicscoverletter1221.pdf	pdf	42175.0

Report Last Saved By

Louisville and Jefferson County MSD

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemsd.org

Date/Time: 2022-01-24 08:29 (Time Zone: -05:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemsd.org

Date/Time: 2022-01-24 08:30 (Time Zone: -05:00)