



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

June 15th, 2023

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

**RE: Willabrook STP, KPDES No: KY0094307
Discharge Monitoring Report for May 2023.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Willabrook STP, for the month May 2023.

There were no overflows.

There were two exceedances for the month of May, Nitrogen Ammonia Daily Maximum limit of 3.0 mg/l with a result of 9.5 mg/l and Nitrogen Ammonia Monthly Average limit of 2.0 mg/l with a result of 3.48 mg/l. These exceedances were a result faulty blower issue not allowing us to supply the amount of air needed. This issue has been fixed and back to normal operation.

Also attached is the Monthly Discharge Report

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

Sincerely,

Joseph Shaun Smith
Regional Facilities Manager

JSS/ Willabrook 05/23.

Cc: V. Teague/B. Tinnell

DMR Copy of Record

Permit		Permit #: KY0094307		Permittee: Louisville and Jefferson County MSD		Facility: BCSD WILLABROOK SANITATION	
Major: No		Permittee Address: 700 W Liberty St Louisville, KY 40203		Facility Location: I 65 & BROOKS RD SHEPHERDSVILLE, KY 40109			
Permitted Feature: 001 External Outfall		Discharge: 001-1 Domestic Wastewater					

Report Dates & Status			
Monitoring Period: From 05/01/23 to 05/31/23	DMR Due Date: 06/28/23	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer			
First Name: James	Title: Executive Director	Telephone: 502-540-6000	
Last Name: Parrott			

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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	8.0					19 - mg/L	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					=	6.88			=	7.81	12 - SU	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							=	23.0	=	33.0	19 - mg/L	01/07 - Weekly	CP - COMPOS
					Permit Req.						<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI													
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	12.0	=	16.1	19 - mg/L	01/07 - Weekly	CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI													
X 00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample							=	3.48	=	9.5	19 - mg/L	01/07 - Weekly	CP - COMPOS
					Permit Req.						<=	2.0 MO AVG	<=	3.0 DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI													
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	0.51	=	0.89	19 - mg/L	01/07 - Weekly	CP - COMPOS
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI													
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.112	=	0.166	03 - MGD							99/99 - Continuous	RC - Recorder (auto)
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD							99/99 - Continuous	RC - Recorder (auto)
					Value NODI													
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01	<	0.01	19 - mg/L	01/07 - Weekly	GR - GRAB
					Permit Req.							<=	0.011 MO AVG	<=	0.019 DAILY MX	19 - mg/L	01/07 - Weekly	GR - GRAB
					Value NODI													
51040	E. coli	1 - Effluent Gross	0	--	Sample							<	1.0	<	1.0	13 - #/100mL	01/07 - Weekly	GR - GRAB
					Permit Req.							<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI													
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample							=	7.0	=	12.0	19 - mg/L	01/07 - Weekly	CP - COMPOS
					Permit Req.							<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L	01/07 - Weekly	CP - COMPOS
					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						
Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
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
00610	Nitrogen, ammonia total [as N]	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	Type	Size
WillaCoverletter0523.pdf	pdf	38759.0

Report Last Saved By

Louisville and Jefferson County MSD

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
Name: Joseph Smith
E-Mail: joseph.smith@louisvillemmsd.org
Date/Time: 2023-06-16 07:45 (Time Zone: -04:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
Name: Joseph Smith
E-Mail: joseph.smith@louisvillemmsd.org
Date/Time: 2023-06-16 07:45 (Time Zone: -04:00)