



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

Dear Ms. Dennis:

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

There were no overflows, Discharges to report.

MSD had one exceedance for the month September for Ammonia daily max. Due to mechanical issue causing low DO's. MSD staff repair issue 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 Baldrige  
Process Supervisor

JSS/ Willabrook 09/23.

Cc: V. Teague/B. Tinnell

DMR Copy of Record

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

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b> From 09/01/23 to 09/30/23	<b>DMR Due Date:</b> 10/28/23	<b>Status:</b>	<b>NetDMR Validated</b>

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b> James A.	<b>Title:</b> Executive Director	<b>Telephone:</b> 150-254-0600	
<b>Last Name:</b> 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	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					=	6.6			=	7.3	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							=	13.0	=	22.0	19 - mg/L	0	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							=	25.9	=	30.7	19 - mg/L	0	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							=	1.3	=	3.9	19 - mg/L	1	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							=	4.12	=	4.72	19 - mg/L	0	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	=	0.086	=	0.12	03 - MGD							0	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	0	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	0	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							=	8.0	=	13.0	19 - mg/L	0	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.

<b>Edit Check Errors</b>						
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

**Comments**

**Attachments**

Name	Type	Size
willabrook.pdf	pdf	37339.0

**Report Last Saved By**

**Louisville and Jefferson County MSD**

User: kevin.thompson@louisvillemmsd.org  
Name: Kevin Thompson  
E-Mail: kevin.thompson@louisvillemmsd.org  
Date/Time: 2023-10-17 10:12 (Time Zone: -04:00)

**Report Last Signed By**

User: JON.BALDRIDGE@LOUISVILLEMSD.ORG  
Name: Jonathan Baldrige  
E-Mail: jon.baldrige@louisvillemmsd.org  
Date/Time: 2023-10-18 08:52 (Time Zone: -04:00)