



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

May 16, 2023

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

**RE: ASH AVE STP, KPDES No: KY0024724
Discharge Monitoring Report for April 2023.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the ASH AVE STP, for the month April 2023.

There were no overflows, exceedances or bypasses for the Ash Ave WQTC.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Otto', with a long horizontal flourish extending to the right.

Curt Otto
Process Supervisor

CEO/ AA 04/23.

Cc: V. Teague, B. Tinnel

DMR Copy of Record

Permit

Permit #:

KY0024724

Major:

No

Permittee:

Louisville and Jefferson County MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

ASH AVENUE WWTP

Facility Location:

KY 362
CRESTWOOD, KY 40014

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 04/01/23 to 04/30/23

DMR Due Date:

05/28/23

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James

Last Name:

Parrot

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	8.01					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						=	7.45			=	7.73	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								<	6.0	<	6.0	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								=	9.1	=	10.8	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															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample								=	1.23	=	2.6	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.								<=	7.0 MO AVG	<=	10.5 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	3.8	=	5.36	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	=	0.115	=	0.565	03 - MGD									01/07 - Weekly	IN - INSTAN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									01/07 - Weekly	IN - INSTAN
					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								=	101.0	=	141.0	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								=	9.0	=	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

No errors.

Comments

Attachments

Name	Type	Size
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202304_ASH_COVERLETTER.pdf		pdf	32400.0
202304_ASH_LAB.pdf		pdf	394952.0
Report Last Saved By			
Louisville and Jefferson County MSD			
User:	CURT.OTTO@LOUISVILLEMSD.ORG		
Name:	Curt Otto		
E-Mail:	curt.otto@louisvillemSD.org		
Date/Time:	2023-05-17 10:14 (Time Zone: -04:00)		
Report Last Signed By			
User:	CURT.OTTO@LOUISVILLEMSD.ORG		
Name:	Curt Otto		
E-Mail:	curt.otto@louisvillemSD.org		
Date/Time:	2023-05-17 10:35 (Time Zone: -04:00)		

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Beckmar Certificate Of Analysis 230405015

230405015.01			Collection Date: 04/04/2023 12:15 PM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	10	mg/L	4	4	C24	SM 5210B (2011)	04/05/2023 01:00 PM	MDC
Nitrate	Nitrate-N	10.3	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/06/2023 10:31 AM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/06/2023 10:31 AM	AJG
Total Nitrogen	Total Nitrogen	10.8	mg/L			C24	SM 4500N A	04/12/2023 10:17 AM	JARS
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/05/2023 06:00 PM	SKP

230405015.02			Collection Date: 04/04/2023 12:15 PM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Ammonia as N	Ammonia	<0.2	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/05/2023 06:40 PM	SKP
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	0.3	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/10/2023 04:50 PM	SKP
Total Phosphorous	Total Phosphorous	1.94	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/05/2023 05:00 PM	MDC

230405015.03			Collection Date: 04/03/2023 12:13 PM					Sampled By: Tanner Bryant	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	135	col/100mL	1	1	Grab	SM 9223B	04/03/2023 03:20 PM	MDC

230405015.04			Collection Date: 04/03/2023 12:13 PM					Sampled By: Tanner Bryant	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.73	SU			Grab	SM4500 H+ B	04/03/2023 12:13 PM	WTB
D.O.	Dissolved Oxygen	8.01	mg/L	0.1		Grab	SM 4500-O G 21st	04/03/2023 12:13 PM	WTB
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/03/2023 12:13 PM	WTB
Temperature	Temperature	14.3	C			Grab	SM 2550B 21st	04/03/2023 12:13 PM	WTB

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Beckmar Certificate Of Analysis 230412005

230412005.01			Collection Date: 04/11/2023 10:30 AM				Sampled By: D. Hathaway		
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	58	col/100mL	1	1	Grab	SM 9223B	04/11/2023 12:10 PM	MRC

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230411027

230411027.01			Collection Date: 04/11/2023 09:47 AM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	12	mg/L	4	4	C24	SM 5210B (2011)	04/12/2023 04:15 PM	MDC
Nitrate	Nitrate-N	6.4	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/11/2023 04:55 PM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/11/2023 04:55 PM	AJG
Total Nitrogen	Total Nitrogen	8.9	mg/L			C24	SM 4500N A	04/20/2023 10:50 AM	JARS
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/12/2023 06:00 PM	SKP

230411027.02			Collection Date: 04/11/2023 09:47 AM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Ammonia as N	Ammonia	1.9	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/12/2023 06:49 PM	SKP
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	2.3	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/18/2023 05:12 PM	SKP
Total Phosphorous	Total Phosphorus	4.16	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/13/2023 03:00 PM	MDC

230411027.03			Collection Date: 04/10/2023 09:45 AM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	345	col/100mL	1	1	Grab	SM 9223B	04/10/2023 01:20 PM	MRC

230411027.04			Collection Date: 04/10/2023 09:58 AM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.48	SU			Grab	SM4500 H+ B	04/10/2023 09:58 AM	JTB
D.O.	Dissolved Oxygen	10.3	mg/L	0.1		Grab	SM 4500-O G 21st	04/10/2023 09:58 AM	JTB
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/10/2023 09:58 AM	JTB
Temperature	Temperature	15.9	C			Grab	SM 2550B 21st	04/10/2023 09:58 AM	JTB

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Beckmar Certificate Of Analysis 230418049

230418049.01 **Collection Date:** 04/18/2023 10:46 AM **Sampled By:** Jacob Bayless
Project: Ash Ave WQTC - Winter **Sample Description:** T410EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	10	mg/L	4	4	C24	SM 5210B (2011)	04/19/2023 04:00 PM	MDC
Nitrate	Nitrate-N	4.2	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/19/2023 09:58 PM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/19/2023 09:58 PM	AJG
Total Nitrogen	Total Nitrogen	7.6	mg/L			C24	SM 4500N A	04/26/2023 08:58 AM	JARS
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/19/2023 04:30 PM	SKP

230418049.02 **Collection Date:** 04/18/2023 10:46 AM **Sampled By:** Jacob Bayless
Project: Ash Ave WQTC - Winter **Sample Description:** T410EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Ammonia as N	Ammonia	2.6	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/29/2023 04:30 PM	JARS
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	3.2	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/24/2023 06:20 PM	SKP
Total Phosphorous	Total Phosphorus	5.36	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/20/2023 10:00 AM	MDC

230418049.03 **Collection Date:** 04/17/2023 10:33 AM **Sampled By:** Jacob Bayless
Project: Ash Ave WQTC - Winter **Sample Description:** T410EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	78	col/100mL	1	1	Grab	SM 9223B	04/17/2023 01:18 PM	PDB

230418049.04 **Collection Date:** 04/17/2023 10:35 AM **Sampled By:** Jacob Bayless
Project: Ash Ave WQTC - Winter **Sample Description:** T410EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.50	SU			Grab	SM4500 H+ B	04/17/2023 10:35 AM	JTB
D.O.	Dissolved Oxygen	10.0	mg/L	0.1		Grab	SM 4500-O G 21st	04/17/2023 10:35 AM	JTB
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/17/2023 10:35 AM	JTB
Temperature	Temperature	17.1	C			Grab	SM 2550B 21st	04/17/2023 10:35 AM	JTB

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Beckmar Certificate Of Analysis 230425028

230425028.01			Collection Date: 04/25/2023 12:10 PM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	6	mg/L	4	4	C24	SM 5210B (2011)	04/26/2023 02:00 PM	RLB
Nitrate	Nitrate-N	5.7	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/25/2023 04:43 PM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/25/2023 04:43 PM	AJG
Total Nitrogen	Total Nitrogen	7.3	mg/L			C24	SM 4500N A	05/03/2023 10:02 AM	JARS
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/26/2023 03:43 PM	SKP

230425028.02			Collection Date: 04/25/2023 12:10 PM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Ammonia as N	Ammonia	0.4	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/26/2023 03:30 PM	JARS
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	1.4	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	05/01/2023 04:32 PM	SKP
Total Phosphorous	Total Phosphorus	3.74	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/27/2023 10:00 AM	AJG

230425028.03			Collection Date: 04/24/2023 12:25 PM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	49	col/100mL	1	1	Grab	SM 9223B	04/24/2023 03:10 PM	PDB

230425028.04			Collection Date: 04/24/2023 12:25 PM					Sampled By: Jacob Bayless	
Project: Ash Ave WQTC - Winter			Sample Description: T410EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.45	SU			Grab	SM4500 H+ B	04/24/2023 12:25 PM	JTB
D.O.	Dissolved Oxygen	9.1	mg/L	0.1		Grab	SM 4500-O G 21st	04/24/2023 12:25 PM	JTB
Temperature	Temperature	18.2	C			Grab	SM 2550B 21st	04/24/2023 12:25 PM	JTB

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Beckmar Certificate Of Analysis 230425028

230425028.05

Collection Date: 04/25/2023 12:30 PM

Sampled By: Jacob Bayless

Project: Ash Ave WQTC - Winter

Sample Description: T410EFF

Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Chlorine- Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/25/2023 12:30 PM	JTB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230428015

230428015.01

Collection Date: 04/28/2023 11:28 AM

Sampled By: Jacob Bayless

Project: Ash Ave WQTC - Winter

Sample Description: T410EFF Resample

Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	5	mg/L	4	4	C24	SM 5210B (2011)	04/28/2023 02:30 PM	MDC

Thank You,



Paul Barker
Lab Manager