



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: SORF STP, KPDES No: KY0111716
Discharge Monitoring Report for April 2023.**

Dear Ms. Dennis:

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

There were no overflows, bypasses or exceedances to report for SORF WQTC.

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

Sincerely,

Curt Otto
Process Supervisor

CEO/ AA 04/23.

Cc: V. Teague, B. Tinnel

Metropolitan Sewer District - OC
P.O. Box 740011
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Beckmar Certificate Of Analysis 230406001

230406001.01			Collection Date: 04/05/2023 02:15 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				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)	04/05/2023 04:30 PM	MDC
Nitrate	Nitrate-N	1.0	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/07/2023 01:45 AM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/07/2023 01:45 AM	AJG
Total Nitrogen	Total Nitrogen	3.4	mg/L			C24	SM 4500N A	04/12/2023 10:17 AM	JARS
Total Suspended Solids	Total Suspended Solids	13	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/05/2023 06:00 PM	SKP

230406001.02			Collection Date: 04/05/2023 02:15 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Ammonia as N	Ammonia	1.5	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)	2.2	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/10/2023 04:50 PM	SKP
Total Phosphorous	Total Phosphorus	1.92	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/05/2023 05:00 PM	MDC

230406001.03			Collection Date: 04/04/2023 08:40 AM				Sampled By: Scott Reed		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	4	col/100mL	1	1	Grab	SM 9223B	04/04/2023 10:25 AM	RLB

230406001.04			Collection Date: 04/05/2023 02:15 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	94	mg/L	4	4	C24	SM 5210B (2011)	04/05/2023 04:30 PM	MDC
Nitrate	Nitrate-N	< 0.2	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/07/2023 01:45 AM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/07/2023 01:45 AM	AJG
Total Nitrogen	Total Nitrogen	15.1	mg/L			C24	SM 4500N A	04/12/2023 10:17 AM	JARS

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Beckmar Certificate Of Analysis 230406001

230406001.04			Collection Date: 04/05/2023 02:15 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	40	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/05/2023 06:00 PM	SKP

230406001.05			Collection Date: 04/05/2023 02:15 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	14.7	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/10/2023 04:50 PM	SKP
Total Phosphorous	Total Phosphorus	2.39	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/05/2023 05:00 PM	MDC

230406001.06			Collection Date: 04/04/2023 02:42 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.51	SU			Grab	SM4500 H+ B	04/04/2023 02:42 PM	JTB
D.O.	Dissolved Oxygen	10.0	mg/L	0.1		Grab	SM 4500-O G 21st	04/04/2023 02:42 PM	JTB
Temperature	Temperature	21.2	C			Grab	SM 2550B 21st	04/04/2023 02:42 PM	JTB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230411026

230411026.01			Collection Date: 04/11/2023 10:20 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	<4	mg/L	4	4	C24	SM 5210B (2011)	04/12/2023 04:15 PM	MDC
Nitrate	Nitrate-N	9.5	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/12/2023 08:41 PM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/12/2023 08:41 PM	AJG
Total Nitrogen	Total Nitrogen	10.4	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

230411026.02			Collection Date: 04/11/2023 10:20 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				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)	04/12/2023 06:49 PM	SKP
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	0.7	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/18/2023 05:12 PM	SKP
Total Phosphorous	Total Phosphorus	0.22	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/13/2023 03:00 PM	MDC

230411026.03			Collection Date: 04/11/2023 08:15 AM				Sampled By: Scott Reed		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	1	col/100mL	1	1	Grab	SM 9223B	04/11/2023 09:10 AM	RLB

230411026.04			Collection Date: 04/11/2023 10:21 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	129	mg/L	4	4	C24	SM 5210B (2011)	04/12/2023 04:15 PM	MDC
Nitrate	Nitrate-N	< 0.2	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/12/2023 08:41 PM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/12/2023 08:41 PM	AJG
Total Nitrogen	Total Nitrogen	25.7	mg/L			C24	SM 4500N A	04/20/2023 10:50 AM	JARS

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Beckmar Certificate Of Analysis 230411026

230411026.04			Collection Date: 04/11/2023 10:21 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	155	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/12/2023 06:00 PM	SKP

230411026.05			Collection Date: 04/11/2023 10:21 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	25.3	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/18/2023 05:12 PM	SKP
Total Phosphorous	Total Phosphorus	3.47	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/13/2023 03:00 PM	MDC

230411026.06			Collection Date: 04/10/2023 10:25 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.85	SU			Grab	SM4500 H+ B	04/10/2023 10:25 AM	JTB
D.O.	Dissolved Oxygen	9.8	mg/L	0.1		Grab	SM 4500-O G 21st	04/10/2023 10:25 AM	JTB
Temperature	Temperature	15.6	C			Grab	SM 2550B 21st	04/10/2023 10:25 AM	JTB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230418050

230418050.01			Collection Date: 04/18/2023 11:20 AM					Sampled By: Jacob Bayless	
Project: South Oldham WQTC - Winter			Sample Description: T414EFF					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)	04/19/2023 04:00 PM	MDC
Nitrate	Nitrate-N	12.6	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	13.0	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

230418050.02			Collection Date: 04/18/2023 11:20 AM					Sampled By: Jacob Bayless	
Project: South Oldham WQTC - Winter			Sample Description: T414EFF					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)	04/29/2023 04:30 PM	JARS
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	<0.2	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/24/2023 06:20 PM	SKP
Total Phosphorous	Total Phosphorus	0.48	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/20/2023 10:00 AM	MDC

230418050.03			Collection Date: 04/18/2023 07:30 AM					Sampled By: Chris McMillin	
Project: South Oldham WQTC - Winter			Sample Description: T414EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	3	col/100mL	1	1	Grab	SM 9223B	04/18/2023 08:40 AM	MDC

230418050.04			Collection Date: 04/18/2023 11:20 AM					Sampled By: Jacob Bayless	
Project: South Oldham WQTC - Winter			Sample Description: T414INF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	147	mg/L	4	4	C24	SM 5210B (2011)	04/19/2023 04:00 PM	MDC
Nitrate	Nitrate-N	0.2	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	31.9	mg/L			C24	SM 4500N A	04/26/2023 08:58 AM	JARS

RP230426033

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Beckmar Certificate Of Analysis 230418050

230418050.04			Collection Date: 04/18/2023 11:20 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	44	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/19/2023 04:30 PM	SKP

230418050.05			Collection Date: 04/18/2023 11:20 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Kjeldhal Nitrogen	Total Kjeldahl Nitrogen (TKN)	31.5	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/24/2023 06:20 PM	SKP
Total Phosphorous	Total Phosphorus	4.60	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/20/2023 10:00 AM	MDC

230418050.06			Collection Date: 04/17/2023 11:10 AM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.44	SU			Grab	SM4500 H+ B	04/17/2023 11:10 AM	JTB
D.O.	Dissolved Oxygen	9.8	mg/L	0.1		Grab	SM 4500-O G 21st	04/17/2023 11:10 AM	JTB
Temperature	Temperature	15.6	C			Grab	SM 2550B 21st	04/17/2023 11:10 AM	JTB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230420005

230420005.01			Collection Date: 04/20/2023 07:00 AM				Sampled By: Chris McMillin		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/21/2023 04:30 PM	MDC

230420005.02			Collection Date: 04/20/2023 07:00 AM				Sampled By: Chris McMillin		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	167	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/21/2023 04:30 PM	MDC

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230425024

230425024.01			Collection Date: 04/25/2023 12:40 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	4	mg/L	4	4	C24	SM 5210B (2011)	04/26/2023 02:00 PM	RLB
Nitrate	Nitrate-N	18.1	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	18.5	mg/L			C24	SM 4500N A	05/03/2023 10:02 AM	JARS
Total Suspended Solids	Total Suspended Solids	26	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/26/2023 03:43 PM	SKP

230425024.02			Collection Date: 04/25/2023 12:40 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				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)	04/26/2023 03:30 PM	JARS
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	<0.2	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	05/01/2023 04:32 PM	SKP
Total Phosphorous	Total Phosphorus	1.30	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/27/2023 10:00 AM	AJG

230425024.03			Collection Date: 04/25/2023 08:45 AM				Sampled By: Chris McMillin		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	4	col/100mL	1	1	Grab	SM 9223B	04/25/2023 03:50 PM	RLB

230425024.04			Collection Date: 04/25/2023 12:40 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	117	mg/L	4	4	C24	SM 5210B (2011)	04/26/2023 02:00 PM	RLB
Nitrate	Nitrate-N	< 0.2	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	37.3	mg/L			C24	SM 4500N A	05/03/2023 10:02 AM	JARS

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Beckmar Certificate Of Analysis 230425024

230425024.04			Collection Date: 04/25/2023 12:40 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Suspended Solids	Total Suspended Solids	75	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/26/2023 03:43 PM	SKP

230425024.05			Collection Date: 04/25/2023 12:40 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414INF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	36.9	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	05/01/2023 04:32 PM	SKP
Total Phosphorous	Total Phosphorus	6.45	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/27/2023 10:00 AM	AJG

230425024.06			Collection Date: 04/24/2023 12:45 PM				Sampled By: Jacob Bayless		
Project: South Oldham WQTC - Winter			Sample Description: T414EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.33	SU			Grab	SM4500 H+ B	04/24/2023 12:45 PM	JTB
D.O.	Dissolved Oxygen	9.2	mg/L	0.1		Grab	SM 4500-O G 21st	04/24/2023 12:45 PM	JTB
Temperature	Temperature	18.1	C			Grab	SM 2550B 21st	04/24/2023 12:45 PM	JTB

Thank You,



Paul Barker
Lab Manager