



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

January 23, 2018

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
 Discharge Monitoring Report for December 2018.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork Water Quality Treatment Center for the month of December 2018.

Additionally, attached is the 4th Quarter Biomonitoring Report.

There were no overflows, bypasses, or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6952.

Sincerely,

William Ford
Process Supervisor-Operations

WF/ Floyds Fork 12/18.

Cc: V. Teague
 R. Shaw

DMR Copy of Record

Permit			
Permit #:	KY0102784	Permittee:	Floyds Fork WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Facility:		Facility:	FLOYDS FORK WQTC MSD
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility Location:			1100 BLUE HERON RD LOUISVILLE, KY 40245

Report Dates & Status			
Monitoring Period:	From 12/01/18 to 12/31/18	DMR Due Date:	01/28/19
Status:	NetDMR Validated		

Considerations for Form Completion

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

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	=	8									19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Permit Req.	>=	7 INST MIN									19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.2					=	7.8		12 - SU	0	01/07 - Weekly	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM		12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	137	=	197	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	1626 MO AVG	<=	2439 MX WK AV	26 - lb/d		<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample						=	161	=	192	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	7	=	9	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	36	=	113	26 - lb/d		=	1	=	3.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	163 MO AVG	<=	244 MX WK AV	26 - lb/d		<=	3 MO AVG	<=	4.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=	13.7	=	19.7	26 - lb/d		=	0.3	=	0.3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	27.1 MO AVG	<=	40.7 MX WK AV	26 - lb/d		<=	0.5 MO AVG	<=	0.75 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.82	=	5.658	03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0	99/99 - Continuous	RE - Record (manual)
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	4.227	=	5.039	03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD							0	99/99 - Continuous	RE - Record (manual)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	1	=	1	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	101	=	156	26 - lb/d		=	2	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	325 MO AVG	<=	488 MX WK AV	26 - lb/d		<=	6 MO AVG	<=	9 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	160	=	196	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99			23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO AV MN		23 - %	0	01/30 - Monthly	CA - CALCTD	
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85 MO AV MN		23 - %	0	01/30 - 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
No errors.

Comments

Attachments

Name	Type	Size
FFCoverletter122018.pdf	pdf	19325
FFMOR122018.pdf	pdf	80237

Report Last Saved By

Floyds Fork WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-01-23 15:04 (Time Zone: -05:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-01-23 15:04 (Time Zone: -05:00)

DMR Copy of Record

Permit																				
Permit #:	KY0102784			Permittee:	Floyds Fork WQTC MSD				Facility:	FLOYDS FORK WQTC MSD										
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	1100 BLUE HERON RD LOUISVILLE, KY 40245										
Permitted Feature:	001 External Outfall			Discharge:	001-2 TOXICITY															
Report Dates & Status																				
Monitoring Period:	From 10/01/18 to 12/31/18			DMR Due Date:	01/28/19				Status:	NetDMR Validated										
Considerations for Form Completion																				
THREE 24-HOUR COMPOSITE SAMPLES ONE EACH COLLECTED EVERY OTHER DAY FOR A PERIOD OF 5 DAYS; IE - DAYS 1, 3 & 5																				
Principal Executive Officer																				
First Name:	James A.			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	Units				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24	
					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			
					FFCoverletter122018.pdf						pdf						19325			
Report Last Saved By																				
Floyds Fork WQTC MSD																				
User:	WILLIAM.FORD@LOUISVILLEMSD.ORG																			
Name:	William Ford																			
E-Mail:	william.ford@louisvillemSD.org																			
Date/Time:	2019-01-23 15:03 (Time Zone: -05:00)																			
Report Last Signed By																				
User:	WILLIAM.FORD@LOUISVILLEMSD.ORG																			
Name:	William Ford																			
E-Mail:	william.ford@louisvillemSD.org																			
Date/Time:	2019-01-23 15:03 (Time Zone: -05:00)																			

DMR Copy of Record

Permit					
Permit #:	KY0102784	Permittee:	Floyds Fork WQTC MSD	Facility:	FLOYDS FORK WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203	Facility Location:	1100 BLUE HERON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	Discharge:	001-4 ANNUAL SAMPLING YEARS 2 - 4		

Report Dates & Status					
Monitoring Period:	From 01/01/18 to 12/31/18	DMR Due Date:	01/28/19	Status:	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 permit.

Principal Executive Officer					
First Name:	James A.	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			
00011	Temperature, water deg. fahrenheit	1 - Effluent Gross	0	--	Sample						=	75.2	=	75.2	15 - deg F	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	15 - deg F		
					Value NODI												
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						<	3	<	3	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						<	0.3	<	0.3	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample						<	0.2	<	0.2	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	284	=	284	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.05	=	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0025	<	0.0025	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00982	Thallium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00998	Beryllium, total recoverable [as Be]	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01079	Silver total recoverable	1 - Effluent Gross	0	--	Sample						<	0.004	<	0.004	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.00025	<	0.00025	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												

39100	Di[2-ethylhexyl] phthalate [DEHP]	1 - Effluent Gross	0	--	Value NODI Sample	=	11	=	11	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
39110	Di-n-butyl phthalate	1 - Effluent Gross	0	--	Sample	<	10	<	10	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
39120	Benzidine	1 - Effluent Gross	0	--	Sample	<	10	<	10	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
39175	Vinyl chloride	1 - Effluent Gross	0	--	Sample	<	5	<	5	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
39180	Trichloroethylene	1 - Effluent Gross	0	--	Sample	<	5	<	5	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
39700	Hexachlorobenzene	1 - Effluent Gross	0	--	Sample	<	10	<	10	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
39702	Hexachlorobutadiene	1 - Effluent Gross	0	--	Sample	<	10	<	10	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
51449	Nitrogen, Kjeldahl Total	1 - Effluent Gross	0	--	Sample	=	1.17	=	2.4	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
51450	Nitrite Plus Nitrate Total	1 - Effluent Gross	0	--	Sample	=	7.67	=	7.67	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
70029	Phenolic compounds, total	1 - Effluent Gross	0	--	Sample	<	0.02	<	0.02	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
70296	Solids, total dissolved [TDS]	1 - Effluent Gross	0	--	Sample	=	528	=	528	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample	=	0.0000003	=	0.0000003	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
77163	1,3-Dichloropropene	1 - Effluent Gross	0	--	Sample	<	5	<	5	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
79531	3,4-Benzofluoranthene	1 - Effluent Gross	0	--	Sample	<	10	<	10	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
82627	p-Chloro-m-cresol	1 - Effluent Gross	0	--	Sample	<	10	<	10	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Value NODI							
85811	Chloroethane	1 - Effluent Gross	0	--	Sample	<	5	<	5	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.		Req Mon AVERAGE		Req Mon MAXIMUM	28 - ug/L	03/5Y - Three Every 5 Years	GR - GRAB
					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

No attachments.

Report Last Saved By

Floyds Fork WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-01-23 12:30 (Time Zone: -05:00)

Report Last Signed By

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org



