



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

January 14, 2019

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for December 2018.**

Dear Mrs. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Cedar Creek WQTC, for the month of December 2018.

Also attached are the fourth quarter biomonitoring DMR.

There were no exceedances, discharges or bypasses to report.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5849.

Sincerely,

Duane V. Wright  
Process Supervisor

DVW/ Cedar Creek. 12/18.

Enclosures

Cc: V. Graves  
R. Shaw

# DMR Copy of Record

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0098540</b>	<b>Permittee:</b>	Cedar Creek WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-1</b> MUNICIPAL DISCHARGE
<b>Facility:</b>		<b>Facility Location:</b>	CEDAR CREEK WQTC MSD 8405 CEDAR CREEK RD LOUISVILLE, KY 40291

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 12/01/18 to 12/31/18</b>	<b>DMR Due Date:</b>	<b>01/28/19</b>
<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>	Exec. Dir
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	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					=	11					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					=	7.9			=	8.4	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	=	275	=	479	26 - lb/d		=	4	=	5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	1877 MO AVG	<=	2815 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					=	286			=	376	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample					=	7			=	8	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	30	=	63	26 - lb/d		=	0.4	=	0.66	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample					=	0.5			=	0.89	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	7.631	=	9.155	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	6.357	=	7.738	03 - MGD							0	99/99 - Continuous	CN - CONTIN	
					Permit Req.															
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample					=	5			=	10	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.															
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	191	=	331	26 - lb/d		=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	626 MO AVG	<=	939 MX WK AV	26 - lb/d		<=	10 MO AVG	<=	15 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					=	257			=	377	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.															
					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.															
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99					23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.															
					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
CC122018_MOR.pdf	pdf	45283
CC122018_COVER.pdf	pdf	424478

**Report Last Saved By**

**Cedar Creek WQTC MSD**

User: staci.huber@louisvillemsd.org  
Name: Staci Huber  
E-Mail: staci.huber@louisvillemsd.org  
Date/Time: 2019-01-16 08:57 (Time Zone: -05:00)

**Report Last Signed By**

User: WRIGHTDUANE  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org  
Date/Time: 2019-01-16 09:49 (Time Zone: -05:00)

## DMR Copy of Record

Permit																				
Permit #:	KY0098540			Permittee:	Cedar Creek WQTC MSD				Facility:	CEDAR CREEK WQTC MSD										
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	8405 CEDAR CREEK RD LOUISVILLE, KY 40291										
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:	Exec. Dir				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	0	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			
					CC122018_COVER.pdf						pdf						424478			
Report Last Saved By																				
Cedar Creek WQTC MSD																				
User:	WRIGHTDUANE																			
Name:	Duane Wright																			
E-Mail:	duane.wright@louisvillemtd.org																			
Date/Time:	2019-01-16 08:32 (Time Zone: -05:00)																			
Report Last Signed By																				
User:	WRIGHTDUANE																			
Name:	Duane Wright																			
E-Mail:	duane.wright@louisvillemtd.org																			
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**DMR Copy of Record**

<b>Permit</b>					
<b>Permit #:</b>	<b>KY0098540</b>	<b>Permittee:</b>	Cedar Creek WQTC MSD	<b>Facility:</b>	CEDAR CREEK WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203	<b>Facility Location:</b>	8405 CEDAR CREEK RD LOUISVILLE, KY 40291
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	001-4 ANNUAL SAMPLING YEARS 2 - 4		

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

**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.

<b>Principal Executive Officer</b>					
<b>First Name:</b>	James A.	<b>Title:</b>	Exec. Dir.	<b>Telephone:</b>	502-540-6000
<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			
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						<	0.412	<	0.412	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						<	0.02	<	0.02	19 - mg/L	03/5Y - Three Every 5 Years	GR - GRAB
					Permit Req.							Req Mon AVERAGE		Req Mon MAXIMUM	19 - mg/L		
					Value NODI												
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	263	=	263	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												



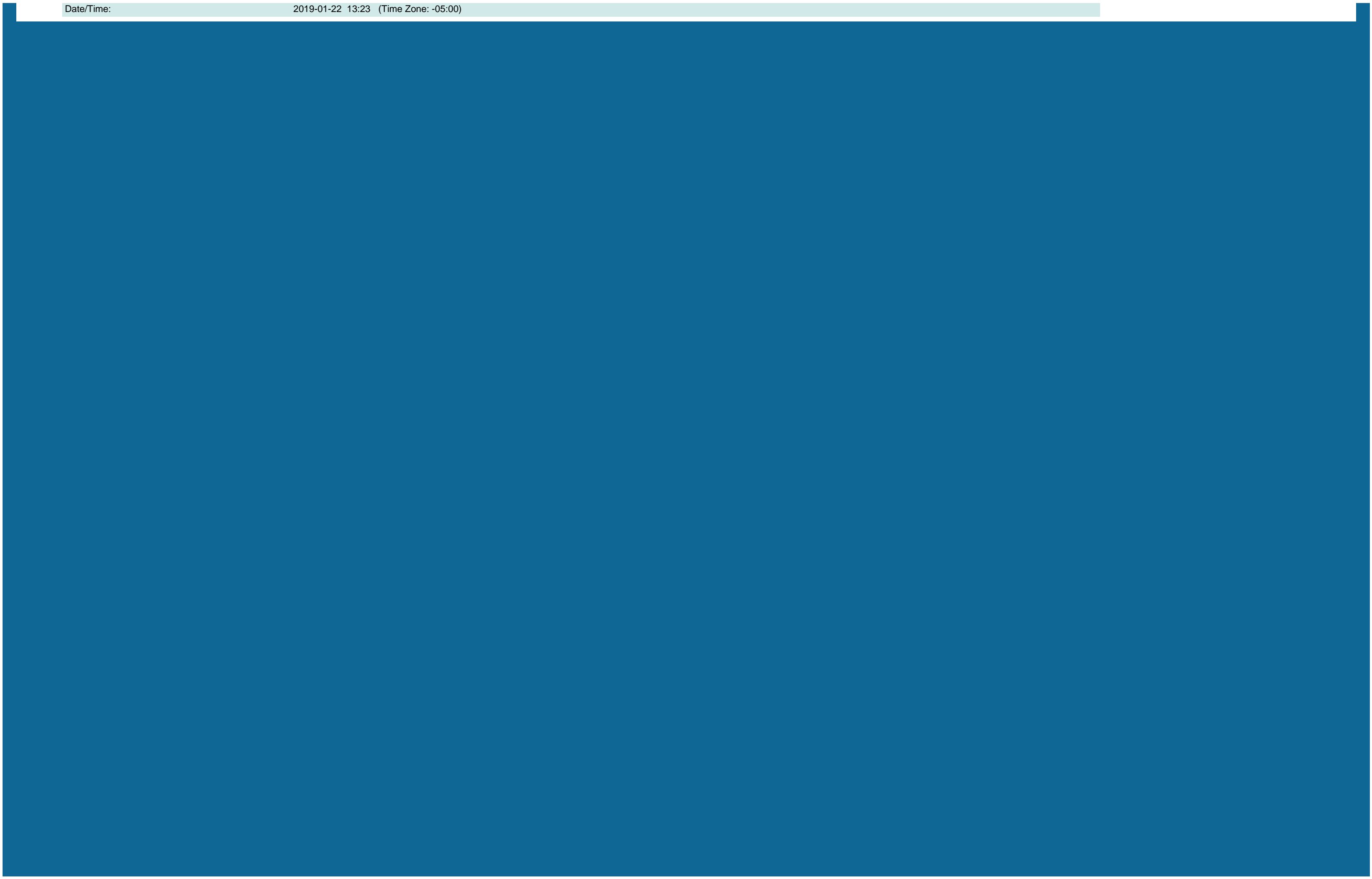












NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: December 2018  
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL		Total Phosphorus	Total Nitrogen	TOTAL FLOW INF. (MILLION GALLONS)				
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	WASTED	RETURN		AERATION BASIN		SETTLED SLUDGE VOLUME		RAW		HAULED		NH3-N (mg/L)				ECOLI			
																						MLSS (mg/L)	MLVSS (mg/L)	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000								
		DISOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000																											
1	11.56															5	70000	4.9			400	320														12.37919			
2	13.24															6	40000	4.4			180	180											0.34		0.327		10.80414		
3	10.78			7.3	8.0				12.0							4	6180	55000	4.7	2170	1940	250	220												5	6.28	8.07827		
4	7.86															3	8370	62000	4.3	3240	2770	430	330														5.61544		
5	7.09															3	9120	65000	3.7	3900	3390	500	450														5.13135		
6	5.92															3	10470	55000	3.8	3790	3210	520	480														4.82988		
7	5.45															3	7590	70000	4.3	3590	3140	480	380															4.53194	
8	5.45															3	60000	3.6			450	380															4.48288		
9	5.53															3	60000	4.4			460	380												0.23		0.89		4.50433	
10	5.20			7.3	8.3				11.0							3	7140	90000	3.6	3700	3310	450	350												2	8.39		4.05505	
11	5.84															2	11900	60000	3.3	3190	2880	390	300															3.99644	
12	5.06															2	8300	45000	4.0	2520	2290	290	270															3.95609	
13	4.77															2	7400	70000	3.8	2800	2540	340	300															3.89626	
14	4.97															2	7450	70000	3.9	2740	2470	320	270															4.03251	
15	11.43															4	50000	4.9			280	260															11.93007		
16	11.49															6	30000	4.6			190	170													0.66	0.308		9.77035	
17	8.86			7.4	8.4				11.0							5	3910	30000	3.9	2070	1890	240	210													5	7.53		6.68901
18	7.44															4	8920	58000	4.2	3370	2960	400	360																5.54163
19	6.75															4	7370	65000	3.8	3080	2730	400	300															5.1277	
20	7.01															4	7630	55000	3.8	3190	2880	380	320																5.9115
21	11.10															4	11310	55000	4.4	2390	2280	310	260																9.19759
22	8.24															4	55000	4.2			360	300																6.7757	
23	7.29															4	50000	3.7			380	300																5.91655	
24	6.69															4	50000	3.5			350	300																5.52556	
25	6.07															4	50000	3.3			360	300													0.20	0.3	6.45	4.97159	
26	5.83			7.4	7.9				11.0							4	5600	92000	3.6	3520	3050	450	360														10		4.77158
27	6.27															4	6380	80000	4.0	3550	3140	480	350																5.19705
28	8.34															4	7020	68000	4.2	3150	2810	440	350																6.6845
29	7.16															4	60000	3.7			450	350																	5.77659
30	6.65															4	60000	3.6			460	350																5.32058	
31	11.20															4	7130	85000	3.8	3860	3420	520	460																11.65039
Tot.	236.57															112.6																						197.05171	
Avg.	7.63			7.4	8.2				11.3							3	3.631	7852.1	60161	3.997	3148	2795	384.2	319.7											0.36	5	0.456	7.163	6.356506774

RESIDENTIAL COMMERCIAL INDUSTRIAL \_\_\_\_\_ FLOW \_\_\_\_\_ CBOD \_\_\_\_\_ TSS \_\_\_\_\_ OPERATOR Joseph Shaun Smith CERT. NO. 20987

TOTAL NUMBER OF SEWER CONNECTIONS \_\_\_\_\_ X \_\_\_\_\_ = \_\_\_\_\_ SEWERED POPULATION \_\_\_\_\_

502-540-6000 PLANT TELEPHONE