



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

October 20, 2025

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

**RE: Cedar Creek WQTC, KPDES No: KY0098540  
Discharge Monitoring Report for September 2025.**

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 September 2025.

There were three exceedances to report.

Nitrogen Ammonia monthly average permit limit is 4mg/l lab result 5 mg/l.

Nitrogen ammonia weekly average permit limit is 6 mg/l lab result 13.7 mg/l

Nitrogen ammonia maximum weekly average pounds permit limit is 376 lb/d lab results 443 lb/d

These exceedances occurred due to operational limitations associated with the ongoing rerate construction project. During this period, flow was temporarily transferred to our smaller oxidation ditch to accommodate construction activities in the larger oxidation ditch. The smaller ditch was unable to provide the necessary detention time and nitrification conditions required for effective ammonia removal, which led to elevated ammonia levels in the effluent.

To mitigate the issue, operations staff adjusted plant flow and utilized two rings from the larger oxidation ditch that was undergoing rehabilitation to help maintain detention time and improve ammonia removal efficiency. Additionally, seed from Floyds Fork was brought in to help bring the plant back into compliance faster while the inner rings from the larger ditch were placed back into service. These adjustments helped stabilize conditions while allowing construction to proceed safely. Throughout the month, daily plant sampling was performed at multiple locations to monitor the progress of the plant recovering, over 52 grab samples were collected and analyzed to help with monitoring process control and recovery of the plant.

Construction and related flow diversions are temporary, and full treatment capacity will be restored upon completion of the Rerate Project. The facility continues to monitor process performance closely and make operational adjustments as needed to minimize further impacts to effluent quality.

There was one bypass to report.

The influent pump station had experienced an electrical issue during a rain event causing the station to not pump and bypass on the ground.

Also attached is the monthly overflow discharge report and 3<sup>rd</sup> quarter Bio monitoring report.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6717.

[Recipient Name]

[Date]

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Sincerely,

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

Jon Baldrige  
Process Supervisor

JOB/ Cedar Creek. 09/25.

Enclosures

Cc: V. Graves  
B. Tinnell



					Value NODI													
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample = 88.0 Permit Req. <= 626.0 MO AVG Value NODI	= 118.0	26 - lb/d			= 3.0	= 3.0	19 - mg/L	0	01/07 - Weekly	CP - Composite			
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample = 165.0 Permit Req. Req Mon MO AVG Value NODI	= 238.0				= 19 - mg/L	= 19 - mg/L	19 - mg/L	0	01/07 - Weekly	CP - Composite			
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample = 98.0 Permit Req. >= 85.0 MO AV MN Value NODI							23 - %	0	01/30 - Monthly	CA - Calculated			
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample = 99.0 Permit Req. >= 85.0 MO AV MN Value NODI							23 - %	0	01/30 - Monthly	CA - Calculated			

**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**

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. <b>Please verify that the value you have provided is correct.</b>	Yes
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. <b>Please verify that the value you have provided is correct.</b>	Yes

**Comments**

**Attachments**

Name	Type	Size
CCLIMSPCSSPREADSHEET092025.pdf	pdf	308247.0
Sept_2025_all_other_service_area.pdf	pdf	25279.0
CCcoverletter.pdf	pdf	85068.0
CCbioreport.pdf	pdf	8528684.0

**Report Last Saved By**  
**Cedar Creek WQTC MSD**  
 User: JON.BALDRIDGE@LOUISVILLEMSD.ORG  
 Name: Jonathan Baldrige  
 E-Mail: jon.baldrige@louisvillemmsd.org  
 Date/Time: 2025-10-21 07:35 (Time Zone: -04:00)

**Report Last Signed By**  
 User: JON.BALDRIDGE@LOUISVILLEMSD.ORG  
 Name: Jonathan Baldrige  
 E-Mail: jon.baldrige@louisvillemmsd.org  
 Date/Time: 2025-10-21 10:19 (Time Zone: -04:00)

