

STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION COLUMBIA ENVIRONMENTAL FIELD OFFICE 1421 HAMPSHIRE PIKE COLUMBIA, TENNESSEE 38401 80-3371 STATEWIDE 1-888-891-8332 FAX

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March 28, 2024

The Honorable Gary Jacobs, Mayor City Hall 102 East Swan Street Centerville, TN 37033

Re:

Compliance Biomonitoring Inspection Centerville Sewage Treatment Plant NPDES Permit # TN0024937

Hickman County

Dear Mayor Jacobs,

The week of March 18, 2024, I conducted a Compliance Biomonitoring Inspection to evaluate compliance with Centerville's NPDES permit, TN0024937. The Division thanks your staff for their assistance during this inspection. Please see the sections below for details regarding the inspection.

I. Permit

Centerville's NPDES permit, TN0024937, was issued on November 14, 2023, and became effective November 1, 2023. It authorizes the discharge of wastewater to Duck River.

II. Records/Reports

Discharge monitoring reports are submitted monthly to the EPA NetDMR database, and these were reviewed electronically prior to the inspection.

III. Facility Site Review, Self-Compliance Program, Operations & Maintenance, and Sanitary Sewer Overflows

Centerville's toxicity tests were analyzed by PACE Analytical. The Division collected four separate grab samples in twenty-four hours for the biomonitoring portion of this inspection. These samples were shipped to PACE Analytical for twenty-four-hour acute toxicity testing. Laboratory results from this testing indicated no effluent toxicity. No violations were noted.

IV. Effluent/Receiving Waters

No violations were noted

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V. Flow Measurement

No violations were noted.

VI. Laboratory

No violations were noted.

VII. Sludge Handling/Disposal

No violations were noted.

VIII. Pollution Prevention and Storm Water

No violations were noted.

IX. Pretreatment

Centerville has a pretreatment program, but the program was not reviewed during this inspection.

X. Additional Comments and Recommendations

No violations were noted.

XI. Conclusion

Compliance with Centerville's NPDES permit, TN0024937, helps ensure discharges are protective of downstream fish and aquatic life and water quality. Thank you for your efforts to ensure permit compliance and to protect state water quality. If you need assistance in matters concerning this report, please contact me via telephone at (931) 401-0564 or by email at DeWitt.Logsdon@tn.gov.

Sincerely,

DeWitt Logsdon

EPS3

Division of Water Resources

cc: Crystal Stacey, DWR Program Coordinator, Columbia EFO, Crystal Stacey@tn.gov

File Copy, DWR, Columbia Environmental Field Office

Waterlog database

GRAB 1

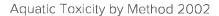
SAMPLE RESULTS - 01

Aquatic Toxicity by Method 2000

Collected date/time: 03/18/24 09:00

	Result	Qualifier	Analysis	Batch
Analyte	%		date / time	
48 Hour LC50 - Minnow	>12,8 (PASS)		03/20/2024 14:47	WG2254363





Analyte % date / time 48 Hour LC50 - C.dubia >12,8 (PASS) 03/20/2024 14:31 WG2254363		Result	Qualifier	Analysis	Batch	
48 Hour LC50 - C.dubia >12,8 (PASS) 03/20/2024 14:31 WG2254363	Analyte	%		date / time		
	48 Hour LC50 - C.dubia	>12.8 (PASS)		03/20/2024 14:31	WG2254363	



Calculated Results

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l	mg/l		date / time		
Hardness (calculated) as CaCO3	119		0.118	2.50	1	03/25/2024 21:32	WG2251911	



Wet Chemistry by Method 2320 B-2011

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Alkalinity	86.5		8.45	20.0	1	03/25/2024 13:44	WG2253200



Sample Narrative:

L1716761-01 WG2253200; Endpoint pH 4.5 Headspace

Metals (ICP) by Method 200.7

·	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Calcium	39.5		0.0473	1.00	1	03/25/2024 21:32	WG2251911
Magnesium	4.96		0.115	1.00	1	03/25/2024 21:32	WG2251911