Illinois Environmental Protection Agency
2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor **James Jennings**, Acting Director

DATE: September 29, 2025

TO: Todd Bennett, Manager, BOW/DWPC/FOS

FROM: Oscar J. Gordon, BOW/DWPC/FOS – Marion

SUBJECT: Lawrence County – City of Lawrenceville Wastewater Treatment Facility
NPDES Permit NO.: IL0029467
BOW ID: W1010150002
September 16, 2025, Reconnaissance Inspection
Laboratory Sample Results

City of Lawrenceville Wastewater Treatment Facility Sample Results

A sample (Sample LAW001) was collected during the Reconnaissance Inspection that was conducted on September 16, 2025. The sample collected was grey in color and had a significant odor of raw sewage.

Laboratory Sample # 25I0685-01
Collected 09/16/2025

Parameter	Concentration	Units
CBOD, 5 day	47.6	mg/L
Ammonia	18.6	mg/L
pH	7.6	---
Total Suspended Solids	33.0	mg/L

Sample results were received on September 17, 2025, and are attached.

Sample results were analyzed using methods 521B for CBOD, 5 day, EPA 350.1 for Nitrogen, Ammonia, Colorimetric, Automated Phenate, SM 4500H + B/USEPA 9040C for pH, and SM 2540D for Total Suspended Solids. Value results are in mg/L unless otherwise indicated above.

Summary

Investigation of the September 16, 2025, Reconnaissance Inspection at the City of Lawrenceville Wastewater Treatment Facility resulted in a numerical violation for CBOD, Ammonia, and Total Suspended Solids at Outfall 001. The results indicated that the receiving stream received concentrations for CBOD, Ammonia, and Total Suspended Solids which were not within their permitted limits.

Oscar J. Gordon
Environmental Protection Engineer

City of Lawrenceville 250916 Lab Memo.doc

Attachments: 3 Sample Result Pages

cc: BOW/DWPC/FOS/Marion
BOW/DWPC/CAS
BOW/DWPC/RU

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**BOW-FOS**		
Project/Facility Number:	[none]	Date Received :	09/17/25
Funding Code:	WPZ6	Visit Number:	
Trip ID:		Temperature C:	2.00

Client Sample ID:	**LAW 001**			Lab Sample ID:	**25I0685-01**
Matrix:	Water	Collected By:		Date/Time Collected:	09/16/25 15:33
Sample Type:		Sample Depth:	Feet	Total Depth:	Feet

Carbonaceous BOD, 5 day, by Standard Method 5210B

Method:	5210B	Prepared:	09/18/25 11:24
Units:	mg/L	Analyzed:	09/23/25 09:35

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
CBOD, 5 day	**47.6**	J7	2.00	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method:	EPA 350.1	Prepared:	09/22/25 14:23
Units:	mg/L	Analyzed:	09/22/25 15:49

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Ammonia as N	**18.6**		0.10	

pH

Method:	SM 4500H+B/USEPA 9040C	Prepared:	09/24/25 11:30
Units:	pH	Analyzed:	09/24/25 11:30

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Laboratory pH	**7.5**	Q	0.1	
pH analysis sample temp°C	**20.1**			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact the Laboratory Manager at 217.782.9780.

Reported:
09/29/25 12:42

Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name:	**BOW-FOS**		
Project/Facility Number:	[none]	Date Received :	09/17/25
Funding Code:	WPZ6	Visit Number:	
Trip ID:		Temperature C:	2.00

Client Sample ID:	**LAW 001**			Lab Sample ID:	**25I0685-01**
Matrix:	Water	Collected By:		Date/Time Collected:	09/16/25 15:33
Sample Type:		Sample Depth:	Feet	Total Depth:	Feet

Total Suspended Solids by Standard Method 2540D

Method:	SM 2540D	Prepared:	09/22/25 12:42
Units:	mg/L	Analyzed:	09/22/25 12:42

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Total Suspended Solids	**33**		4	

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Reported:
09/29/25 12:42

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LABORATORY RESULTS

Name:	**BOW-FOS**		
Project/Facility Number:	[none]	Date Received :	09/17/25
Funding Code:	WPZ6	Visit Number:	
Trip ID:		Temperature C:	2.00

Notes and Definitions

Q	Maximum holding time exceeded.
J7	Blank spike failed low - possible low bias or false non-detect result.
ND	Analyte NOT DETECTED at or above the reporting limit
*	Non-NELAP accredited

Report Authorized by:

Jewel Brant
Laboratory Manager

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