IOWA | DNR
IOWA DEPARTMENT OF NATURAL RESOURCES

GOVERNOR **KIM REYNOLDS**
LT. GOVERNOR **ADAM GREGG**
DIRECTOR **KAYLA LYON**

August 12, 2024

CITY OF EAGLE GROVE
ATTN BRYCE DAVIS
210 EAST BROADWAY STREET
EAGLE GROVE IA 50533

Subject: **Notice of Violation** - Untreated Wastewater Bypasses and Basement Backup
Complaint ID #33785; NPDES 9926001

Honorable Mayor and Council Members:

On July 8, 2024, this office received a report of diesel fuel odors in residences connected to the City sewer after heavy rainfall caused bypassing and widespread sewer backups. I investigated the complaint the same day and obtained samples of the wastewater in the basement of two separate residences on NW Fourth Street; sampling results confirmed the presence of diesel fuel in their basements (see attached). This event is one of eleven bypasses that have been reported in 2024.

Bypasses are a violation of Subrule 567 IAC 62.1(1), which prohibits discharge from a point source into navigable water unless authorized by an NPDES Permit, and Subrule 567 IAC 63.6(1), which prohibits bypassing of any portion of a sanitary sewer system.

In 2019, the DNR investigated a similar incident with sewage and diesel odors present in basements following a heavy rainfall event. At that time, the DNR requested a summary of the sewer investigation and repair work that was planned in the next five years. A response dated October 25, 2019, reported that the City would be conducting a number of activities including manhole replacement, sewer lining and replacement of the north lift station. However, DNR understands that four of the five projects listed in the response have not occurred.

Review of DNR files shows that City has an extensive history of bypassing and basement backups. While the DNR recognizes that fixing aging sewers is a difficult and expensive task, the City must make a continued, concerted effort to make sewer repairs that will reduce the duration and frequency of bypasses and basement backups.

Please be advised that this matter is being referred to the DNR legal section for pursuit of an administrative order that will provide binding deadlines for the City to complete sewer work to reduce the duration and frequency of bypasses and basement backups.

Sincerely,

FIELD SERVICES AND COMPLIANCE BUREAU

Jeremy Klatt
Environmental Specialist

C: Eagle Grove Utility Board PO Box 165, Eagle Grove, 50533
Nate Brockman n.brockman@eaglegrove.gov

THE UNIVERSITY OF IOWA | STATE HYGIENIC LABORATORY

ANALYTICAL REPORT

1-800-421-IOWA (4692)

Collection Location	Collector and Phone	Client Reference	Accession #
basement	klatt jeremy 641/424-4073		2462132
	Collected	**Received**	**Project**
	2024-07-08 13:35	2024-07-10 08:45	04wqfs

Report To	Sample Description	Sample Type	Sample Source	Sample Note(s)
IDNR-FO 2 2300 15TH ST SW MASON CITY, IA 50401-5630	waste water	Non-Drinking Water		1, 2

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT (ug/L)	QUANT LIMIT	ANALYSIS NOTE(S)
Total Extractable Hydrocarbons, Iowa OA-2			*3*
Gasoline	**<100**	**100**	
Mineral spirits	**<100**	**100**	
Kerosene	**<100**	**100**	
Diesel fuel	**2900**	**100**	
Motor oil	**<100**	**100**	
Total Extractable Hydrocarbons	**2900**	**100**	

SAMPLE AND ANALYSIS NOTES

1. Sample exceeded required temperature upon receipt.
2. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.
3. The chromatographic profile of the sample extract did not match this laboratory's fuel or oil standards. Quantitation is based on this laboratory's diesel fuel standard.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Total Extractable Hydrocarbons, Iowa OA-2	2024-07-16 16:27 JDA	3200	2024-07-17 12:13 TGC	
2. Prep by Separatory Funnel, Iowa OA-2	2024-07-12 11:18 JDA	3200	2024-07-17 12:13 TGC	

DESCRIPTION OF UNITS

ug/L = Micrograms per Liter

SITE(S) PERFORMING TESTING

3200 STATE HYGIENIC LABORATORY CORALVILLE, UNIVERSITY OF IOWA RESEARCH PK, 2490 CROSSPARK RD, CORALVILLE, IA 52241; Phone 319/335-4500; Fax 319/335-4555; Michael D. Schueller, M.S., Associate Director; Michael A. Pentella, Ph.D., D(ABMM), Director; IOWA ENVIRONMENTAL LAB ID #027

The result(s) of this report relate only to the items analyzed. Where the laboratory has not been responsible for the sampling stage the results apply only to the sample as received. This report shall not be reproduced except in full without the written approval of the laboratory. If you have any questions, please call Client Services at 800/421-IOWA (4692) or 319/335-4500.

THE UNIVERSITY OF IOWA | STATE HYGIENIC LABORATORY

ANALYTICAL REPORT

1-800-421-IOWA (4692)

Collection Location	Collector and Phone	Client Reference	Accession #
menke	klatt jeremy 641/424-4073		2462128
	Collected	Received	Project
MENKE,	2024-07-08 13:54	2024-07-10 09:00	04wqfs
Report To IDNR-FO 2 2300 15TH ST SW MASON CITY, IA 50401-5630			Sample Description waste water Sample Type Non-Drinking Water Sample Source Sample Note(s) 1, 2

RESULTS OF ANALYSIS - FINAL REPORT

TEST	RESULT (ug/L)	QUANT LIMIT	ANALYSIS NOTE(S)
Total Extractable Hydrocarbons, Iowa OA-2			*3*
Gasoline	**<100**	**100**	
Mineral spirits	**<100**	**100**	
Kerosene	**<100**	**100**	
Diesel fuel	**3200**	**100**	
Motor oil	**<100**	**100**	
Total Extractable Hydrocarbons	**3200**	**100**	

SAMPLE AND ANALYSIS NOTES

1. Sample exceeded required temperature upon receipt.
2. Unless otherwise noted, the sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.
3. The chromatographic profile of the sample extract did not match this laboratory's fuel or oil standards. Quantitation is based on this laboratory's diesel fuel standard.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Total Extractable Hydrocarbons, Iowa OA-2	2024-07-16 15:28 JDA	3200	2024-07-17 12:13 TGC	
2. Prep by Separatory Funnel, Iowa OA-2	2024-07-12 11:18 JDA	3200	2024-07-17 12:13 TGC	

DESCRIPTION OF UNITS

ug/L = Micrograms per Liter

SITE(S) PERFORMING TESTING

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