

Report To	Collection Location se stormwater basin discharge	Collector and Phone gross bill 515/238-7871	Client Reference 33897	Accession # 2476305
	MAHASKA COUNTY SLF	Collected 2024-08-06 15:00	Received 2024-08-07 12:50	Project wqswr
	BILL GROSS IDNR-FO 5			Sample Description
	6200 PARK AVE STE 200 DES MOINES, IA 50321			Sample Type Non-Drinking Water
				Sample Source
				Sample Note(s) 1, 2, 3

RESULTS OF ANALYSIS - FINAL REPORT

<u>TEST</u>	<u>RESULT (mg/L)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
Ammonia as N, EPA 350.1			
Ammonia nitrogen as N	27	0.05	
<u>TEST</u>	<u>RESULT (mg/L)</u>	<u>QUANT LIMIT</u>	<u>MCL</u>
Anions, EPA 300.0			5
Chloride	160	0.2	
Sulfate	260	0.2	
<u>TEST</u>	<u>RESULT (mg/L)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
Nitrate + Nitrite as N, EPA 353.2			
Nitrate + Nitrite nitrogen as N	<0.25	0.25	
Total Phosphorus as P, EPA 365.4			
Total Phosphorus as P	1.7	0.5	
Total Kjeldahl Nitrogen as N, EPA 351.2			
Total Kjeldahl Nitrogen as N	39	0.5	
BOD, 5 Day, SM 5210 B			4
BOD, 5 Day	1000	2	
Chemical Oxygen Demand, SM 5220 D			
Chemical Oxygen Demand	1600	10	
<u>TEST</u>	<u>RESULT (umho/cm)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
Specific Conductance at 25 degrees C, SM 2510 B			
Specific Conductance	2400	1	
<u>TEST</u>	<u>RESULT (pH)</u>		<u>ANALYSIS NOTE(S)</u>
Laboratory pH, SM 4500 H+B			6
Laboratory pH	6.7		
<u>TEST</u>	<u>RESULT (mg/L)</u>	<u>QUANT LIMIT</u>	<u>ANALYSIS NOTE(S)</u>
Total Suspended Solids, USGS I-3765-85			
Total Suspended Solids	92	1	

SAMPLE AND ANALYSIS NOTES

1. Missing information on request form. Failure to provide this information may result in delayed results or sample rejection.
2. Missing information was obtained.



Collection Location	Collector	Client Reference	Accession #
se stormwater basin discharge	gross bill	33897	2476305

- 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.
- One or more quality control parameters were observed outside the QC limits in the analysis of this sample.
- The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).
- EPA holding time requires pH analysis be completed within 15 minutes of collection to be valid for regulatory reporting. Results reported as Laboratory pH do not meet this requirement and must be qualified if reported for regulatory purposes.

ANALYSIS INFORMATION

TEST	ANALYZED	SITE	RELEASED	ANALYSIS PREP
1. Ammonia as N, EPA 350.1	2024-08-14 08:45 MLS	3201	2024-08-14 15:25 DLS	
2. Anions, EPA 300.0	2024-08-08 14:42 MGB	3201	2024-08-09 11:38 MLS	
3. Nitrate + Nitrite as N, EPA 353.2	2024-08-08 11:44 MLS	3201	2024-08-09 08:57 DLS	
4. Total Phosphorus as P, EPA 365.4	2024-08-20 08:22 KAR	3201	2024-08-20 12:22 MGB	
5. Total Kjeldahl Nitrogen as N, EPA 351.2	2024-08-20 07:55 KAR	3201	2024-08-20 13:20 JAE	
6. BOD, 5 Day, SM 5210 B	2024-08-07 14:27 AMG, AC	3201	2024-08-13 12:31 DLS	
7. Chemical Oxygen Demand, SM 5220 D	2024-08-12 11:41 MLS	3201	2024-08-13 08:37 DLS	
8. Specific Conductance at 25 degrees C, SM 2510 B	2024-08-20 10:01 WMH	3201	2024-08-20 12:37 DLS	
9. Laboratory pH, SM 4500 H+B	2024-08-07 14:22 AMG	3201	2024-08-08 10:18 MLS	
10. Total Suspended Solids, USGS I-3765-85	2024-08-12 11:30 WMH	3201	2024-08-14 11:12 AMG	

DESCRIPTION OF UNITS

mg/L = Milligrams per Liter

umho/cm = Micromho per Centimeter

pH = pH Units

SITE(S) PERFORMING TESTING

3201 STATE HYGIENIC LABORATORY ANKENY, IOWA LABORATORIES COMPLEX, 2220 S ANKENY BLVD, ANKENY, IA 50023; Phone 515/725-1600; Fax 515/725-1642; Michael D. Schueller, M.S., Associate Director; Michael A. Pentella, Ph.D., D(ABMM), Director; IOWA ENVIRONMENTAL LAB ID #397

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.