



September 28, 2020

09/25/2020

Analytical & Consulting Services
ATTN: Sharlyn K. Franco, Chemist
205 Sergeant Square Drive
Sergeant Bluff, IA 51054

IA Lab # 279
Expires: 03/01/2022

Dear Ms. Franco:

The Iowa Department of Natural Resources (IDNR) hereby grants certification in accordance with 567 Iowa Administrative Code Chapter 83 for Analytical & Consulting Services in Sergeant Bluff, IA, to analyze environmental samples for the following programs: Safe Drinking Water Act (SDWA) / Clean Water Act (CWA (WW)). Specific analytes and methods certified are contained on the attachments to this letter. This letter of certification supersedes any prior certification issued by the IDNR. Changes from your prior certification, if any, are listed in the CHANGES FROM PRIOR CERTIFICATE section of this document.

This letter and all attachments should be reviewed upon receipt to verify that the information is accurate. If problems are noted, IDNR should be contacted in writing within 15 calendar days to request any corrections. A copy of this certification letter and attachments should be provided to all laboratory personnel and must be available for inspection at the laboratory location. It is suggested that you retain copies of prior certifications for record purposes. An embossed Certificate is issued only once in each certification period. If provided, it is intended for display purposes and does not in itself convey certification for analytes, methods, or personnel other than those approved by this or subsequent letters of certification.

This certification is based upon the recommendations of the State Hygienic Laboratory (SHL), and satisfactory performance on performance test (PT) samples for the listed parameters. It is your responsibility to comply with relevant provisions of 567 IAC Chapter 83 throughout the certification period and to notify the IDNR in writing within 30 calendar days of any changes in current certification status such as: change in essential personnel, performance on PT samples, changes in physical facility or changes in the resident state certification (where applicable).

Your assigned IA Lab ID # must be used when reporting results and should be used when corresponding with the IDNR or SHL. If you have any questions, please feel free to contact me at 515/725-0343 or Kathy.Lee@dnr.iowa.gov.

Sincerely,

Kathleen A. Lee Digitally signed by Kathleen A. Lee
Date: 2020.09.28 11:53:13 -05'00'

Kathleen A. Lee
Laboratory Certification Authority

c: FILE: IA Lab # 279
Donald Simmons, SHL -LOCAL-
FO #3

- ATTACHMENTS
- Changes from prior certificate
 - Approved parameter list
 - Personnel and reporting requirements
 - Recommendation from SHL
 - SHL evaluation report
 - Onsite evaluation form(s) (where applicable)
 - Certificate (where applicable)

CHANGES FROM PRIOR CERTIFICATE

Prog.	Cont. ID #	Contaminant Name	Method	Method Code	Status
WW	NA	Residue-Filterable (TDS)	D5907 B		Certified
WW	NA	Residue-Nonfilterable (TSS)	2540 D-97 (ONLINE)		Certified
WW	NA	Residue-Nonfilterable (TSS)	I-3765-85		Certified
WW	NA	Hydrogen Ion (pH)	4500-H+ B		Certified

End of list.

(Refer to the SHL evaluation report for additional information regarding status.)

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
SDWA-MICRO - A/S #1 Regulated (INCOMPLETE group)					
3100	Coliform Bacteria (Total)	SM	9223 B	Certified	9223B-18PA
3100	Coliform Bacteria (Total)	SM	9223 B	Certified	9223B-QT
3100	Coliform Bacteria (Total)	SM	9223 B	Certified	9223B-PA
3100	Coliform Bacteria (Total)	SM	9223 B	Certified	9223B-18QT
3014	Coliform Bacteria (E-coli)	SM	9223 B	Certified	9223B-QT
3014	Coliform Bacteria (E-coli)	SM	9223 B	Certified	9223B-PA
3014	Coliform Bacteria (E-coli)	SM	9223 B	Certified	9223B-18PA
3014	Coliform Bacteria (E-coli)	SM	9223 B	Certified	9223B-18QT
SDWA-IOC - Nitrate/Nitrite Regulated (COMPLETE group)					
1040	Nitrate (as N)	SM	4500-NO3 E	Certified	4500NO3-E
1041	Nitrite (as N)	SM	4500-NO2 B	Certified	4500NO2-B
SDWA-IOC - Other Excluded (INCOMPLETE group)					
1003	Ammonia (as N)	SM	4500 NH3 D	Certified	4500NH3-D
1017	Chloride	SM	4500-Cl B	Certified	4500CL-B
WW-MICRO - A/S #1 Regulated (INCOMPLETE group)					
	Coliform Bacteria (Fecal)	SM	9223B 18QTFC	Certified	NA
	Coliform Bacteria (E-coli)	SM	9223 B	Certified	NA
WW-IOC - A/S #1 Regulated (INCOMPLETE group)					
	Ammonia (as N)	SM	4500-NH3 B (Distillation)	Certified	NA
	Ammonia (as N)	SM	4500-NH3 D (19-21)(ISE)	Certified	NA
	Biochemical Oxygen Demand (BOD5)	SM	5210 B-01 (ONLINE)	Certified	NA
	Carb. Biochemical Oxygen Demand (CBOD5)	SM	5210 B-01 (ONLINE)	Certified	NA
	Calcium (Total)	SM	3500-Ca B-97 (ONLINE)	Certified	NA
	Kjeldahl Nitrogen (Total as N)	SM	4500-NorgB-97&4500-NH3B-97 ONLINE	Certified	NA
	Kjeldahl Nitrogen (Total as N)	SM	4500-NH3 D-97 (ISE)(ONLINE)	Certified	NA
	Nitrate (as N)	SM	Calculate (NO3-N&NO2-N)-NO2-N	Certified	NA
	Nitrate (as N)	HACH	Hach TNT	Certified	NA
	Nitrate-Nitrite (Total as N)	SM	4500-NO3 E-00 (ONLINE)	Certified	NA
	Nitrate-Nitrite (Total as N)	HACH	Hach TNT	Certified	NA
	Nitrate-Nitrite (Total as N)	HACH	Hach TNT 10206	Certified	NA
	Nitrite (as N)	SM	4500-NO2 B-00 (ONLINE)	Certified	NA
	Nitrite (as N)	OTHR	Hach 8507	Certified	NA
	Nitrogen (Total)	EPA/SM	Calculate TKN + NO2-N + NO3-N	Certified	NA
	Organic Nitrogen (as N)	SM	4500-Norg B (Digestion)	Certified	NA
	Organic Nitrogen (as N)	SM	Calculate (TKN-N - NH3-N)	Certified	NA
	Sulfate	OTHR	Hach 8051	Certified	NA
	Sulfide	OTHR	Hach 8131	Certified	NA
WW-IOC - A/S #2 Regulated (INCOMPLETE group)					
	Acidity as CaCO3	SM	2310 B(4a)-97 (ONLINE)	Certified	NA
	Alkalinity as CaCO3	SM	2320 B-97 (ONLINE)	Certified	NA
	Chloride	SM	4500 Cl B-97 (ONLINE)	Certified	NA
	Chemical Oxygen Demand (COD)	OTHR	Hach 8000	Certified	NA
	Hardness (Total as CaCO3)	SM	2340 B or C-97 (ONLINE)	Certified	NA

APPROVED PARAMETER LIST

Contaminant ID #	Contaminant Name	Source	Method Name	Status	SDWIS Report Code
	Oil and Grease	EPA	1664 A	Certified	NA
	Orthophosphate (as P)	OTHR	Hach 8048	Certified	NA
	Phosphorus (Total)	OTHR	Hach 8190	Certified	NA
	Residue-Filterable (TDS)	ASTM	D5907 B	Certified	NA
	Residue-Nonfilterable (TSS)	SM	2540 D-97 (ONLINE)	Certified	NA
	Residue-Nonfilterable (TSS)	USGS	I-3765-85	Certified	NA
	Residue-Total	SM	2540 B-97 (ONLINE)	Certified	NA
	Specific conductance	SM	2510 B-97 (ONLINE)	Certified	NA
WW-IOC - A/S #1 Excluded (INCOMPLETE group)					
	Hydrogen Ion (pH)	SM	4500-H+ B	Certified	NA

End of list.

(If status is Provisional, refer to the SHL evaluation report for description and required action to upgrade status to Certified.)