Iowa Department of REVENUE

Iowa Retail Permit Application for Cigarette/Tobacco/Nicotine/Vapor

https://tax.iowa.gov

Instructions on the reverse side

For period (MM/DD/YYYY) 07 /01 /22 through June 30, 2023

I/we apply for a retail permit to sell cigarettes, tobacco, alternative nicotine, or vapor products:

Business Information:

Trade Name/DBA CASEY'S MARKETING COMPANY/DBA CASEY'S #2237

Physical Location Address 1002 W 2ND ST City PRAIRIE CITY ZIP 50228

Mailing Address PO BOX 3001 City ANKENY State IA ZIP 50021

Business Phone Number 5159949350

Legal Ownership Information:

Type of Ownership: Sole Proprietor ☐ Partnership ☐ Corporation ■ LLC ☐ LLP ☐

Name of sole proprietor, partnership, corporation, LLC, or LLP CASEY'S GENERAL STORES, INC.

Mailing Address PO BOX 3001 City ANKENY State IA ZIP 50021

Phone Number 515-381-5974 Fax Number 515-446-6303 Email MADI.PAULSON@CASEYS.COM

Retail Information:

Types of Sales: Over-the-counter ■ Vending machine ☐

Do you make delivery sales of alternative nicotine or vapor products? (See Instructions) Yes ☐ No ■

Types of Products Sold: (Check all that apply)
Cigarettes ■ Tobacco ■ Alternative Nicotine Products ■ Vapor Products ■

Type of Establishment: (Select the option that best describes the establishment)

Alternative nicotine/vapor store ☐ Bar ☐ Convenience store/gas station ■ Drug store ☐
Grocery store ☐ Hotel/motel ☐ Liquor store ☐ Restaurant ☐ Tobacco store ☐
Has vending machine that assembles cigarettes ☐ Other ☐

If application is approved and permit granted, I/we do hereby bind ourselves to a faithful observance of the laws governing the sale of cigarettes, tobacco, alternative nicotine, and vapor products.

Signature of Owner(s), Partner(s), or Corporate Official(s)

Name (please print) DOUGLAS BEECH, AST. SECRETARY, CASEY'S MARKETING
Signature Douglas M. Beech
Date 4/1/2022

Name (please print)
Signature
Date

Send this completed application and the applicable fee to your local jurisdiction. If you have any questions contact your city clerk (within city limits) or your county auditor (outside city limits).

FOR CITY CLERK/COUNTY AUDITOR ONLY – MUST BE COMPLETE

- Fill in the amount paid for the permit: _____
- Fill in the date the permit was approved by the council or board: _____
- Fill in the permit number issued by the city/county: _____
- Fill in the name of the city or county issuing the permit: _____
- New ☐ Renewal ☐

Send completed/approved application to Iowa Alcoholic Beverages Division within 30 days of issuance. Make sure the information on the application is complete and accurate. A copy of the permit does not need to be sent; only the application is required. It is preferred that applications are sent via email, as this allows for a receipt confirmation to be sent to the local authority.

- Email: iapledge@iowaabd.com
- Fax:515-281-7375

May 5, 2022

RE: IA RETAIL PERMIT APPLICATION FOR CIG/TOB/NIC/VAPE

Dear City/County Clerk,

Please see the attached renewal application and required fee for each of our Casey's stores in your area.

Please email me a copy of the renewed permit(s) and send the original(s) directly to the store(s).

If you have any questions or concerns, please contact me at: madi.paulson@caseys.com or 515-381-5974.

Respectfully,

Madi Paulson, Licensing Specialist
Casey's Legal Department
515-381-5974

Enclosures:
Renewal Application Fee
Renewal Application

RESOLUTION 6-1-22-2
A RESOLUTION SETTING THE TIME AND PLACE OF COUNCIL MEETINGS

WHEREAS, Chapter 17.04 of the Prairie City Code states "The time and place of the regular meetings of the Council shall be fixed by resolution of the Council."

NOW THEREFORE BE IT RESOLVED that the July 2022, Prairie City Council Meeting will be July 13, 2022, at 6:00 p.m., at Prairie City Council Chambers at City Hall and via Zoom.

Approved and adopted this 1st Day of June, 2022.

_____
Eric Imerman, Mayor

ATTEST

_____
Jodie Wyman, City Administrator/City Clerk

ORDINANCE NO. 390

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF PRAIRIE CITY, IOWA, BY AMENDING PROVISIONS PERTAINING TO WATER SERVICE CHARGES

BE IT ENACTED by the City Council of the City of Prairie City, Iowa:

SECTION 1. SECTION MODIFIED. Section 92.02 of the Code of Ordinances of the City of Prairie City, Iowa, is repealed and the following adopted in lieu thereof:

RATES FOR SERVICE. Water service shall be furnished at the following monthly rates within the City:
(Code of Iowa, Sec. 384.84)

Gallons Used Per Month	Rate
First 1,500	$17.24 (minimum bill)
Next 8,500	$10.12 per 1,000 gallons
Next 30,000	$8.36 per 1,000 gallons
All over 40,000	$3.45 per 1,000 gallons

SECTION 3. SEVERABILITY CLAUSE. If any section, provision, or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision, or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect July 1, 2022, after its final passage, approval, and publication as provided by law.

Passed by the Council the 1st day of June, 2022, and approved this 1st day of June, 2022.

_____
Eric Imerman, Mayor

ATTEST:

_____
Jodie Wyman, City Clerk

First Reading: 4/13/2022
Second Reading: 5/11/22
Third Reading: 6/1/22

I certify that the foregoing was published as Ordinance No. 390 on the ____, day of _____, 2022.

_____
Jodie Wyman, City Clerk

ORDINANCE NO. 391

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF PRAIRIE CITY, IOWA, BY AMENDING PROVISIONS PERTAINING TO SEWER SERVICE CHARGES

BE IT ENACTED by the City Council of the City of Prairie City, Iowa:

SECTION 1. SECTION MODIFIED. Section 99.02 of the Code of Ordinances of the City of Prairie City, Iowa, is repealed and the following adopted in lieu thereof:

RATE. Each customer shall pay sewer service charges for the use of and for the service supplied by the municipal sanitary sewer system based upon the amount of water consumed as follows:

Gallons Used Per Month	Rate
First 1,500	$26.73 (minimum bill)
Next 8,500	$15.53 per 1,000 gallons
Next 30,000	$12.89 per 1,000 gallons
All over 40,000	$5.33 per 1,000 gallons

SECTION 3. SEVERABILITY CLAUSE. If any section, provision, or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision, or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect July 1, 2022, after its final passage, approval, and publication as provided by law.

Passed by the Council the 1st day of June, 2022, and approved this 1st day of June, 2022.

_____
Eric Imerman, Mayor

ATTEST:

_____
Jodie Wyman, City Clerk

First Reading: 4/13/2022
Second Reading: 5/11/22
Third Reading: 6/1/22

I certify that the foregoing was published as Ordinance No. 391 on the ____, day of _____, 2022.

_____
Jodie Wyman, City Clerk

ORDINANCE NO. 389

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF PRAIRIE CITY, IOWA TO UPDATE SIDEWALKS

WHEREAS, the City of Prairie City, Iowa has property regulations, which provide guidance on the standards for, among other things, the sidewalks; and

WHEREAS, these regulations recognize that certain uses have characteristics that require additional controls in order to protect public health, safety, and welfare, and the City of Prairie City also provides for staff to inspect complaints; and

WHEREAS, the City of Prairie City's requirements are designed, among other things, to enhance public safety, improve the appearance of the community, and conserve the value of properties within the City and its extra-territorial jurisdiction; and

WHEREAS, the language of the Code of Ordinances is intended to provide predictable, uniform standards—which are subject to updating by the City Council from time to time.

NOW THEREFORE BE IT RESOLVED by the City Council of Prairie City, Iowa, that it hereby amends City Code Chapter 136 to update the sidewalk regulations. The Council further authorizes City staff to take all action necessary to effectuate these changes, as follows:

SECTION 1. SECTION MODIFIED. Section 1, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

> 136.01 Purpose. The purpose of this chapter is to enhance safe passage by citizens on sidewalks, to place the responsibility for the maintenance, repair, replacement, ***reconstruction or construction*** of sidewalks upon the abutting property owner and to minimize the liability of the City.

SECTION 2. SECTION MODIFIED. Section 2, Chapter 170 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

> 136.02 DEFINITIONS. For use in this chapter the following terms are defined:
>
> 1. "Broom finish" means a sidewalk finish that is made by sweeping the sidewalk when it is hardening ***to create a skid resistant surface.***
> 2. "Established grade" means that grade established by the City for the particular area in which a sidewalk is to be constructed.
> 3. "One-course construction" means that the full thickness of the concrete is placed at one time, using the same mixture throughout.
> 4. "Owner" means the person owning the fee title to property abutting any sidewalk and includes any contract purchaser for purposes of notification required herein. For all other purposes, "owner" includes the lessee, if any.
> 5. "Portland cement" means any type of cement except bituminous cement.

6. "Sidewalk" means all permanent public walks in business, residential or suburban areas.
7. ***"Defective Sidewalk" means any public sidewalk exhibiting one or more of the following characteristics:***
    a. ***Vertical separations equal to three-fourths (3/4) inch or more.***
    b. ***Horizontal separations equal to one-half (1/2) inch or more.***
    c. ***Holes or depressions equal to three-fourths (3/4) inch or more and at least four (4) inches in diameter.***
    d. ***Spalling over fifty percent (50%) of a single square of the sidewalk with one or more depressions equal to three-fourths (3/4) inch or more.***
    e. ***A sidewalk with any part thereof missing to the full depth.***
    f. ***A change from the design or construction grade equal to or greater than three-fourths (3/4) inch per foot.***
8. "Sidewalk improvements" means the construction, reconstruction, repair, replacement, or removal of a public sidewalk and/or the excavating, filling or depositing of material in the public right-of-way in connection therewith.
9. ***"Spalling" means breaking up into flakes, chips or fragments.***
10. "Wood float finish" means a sidewalk finish that is made by smoothing the surface of the sidewalk with a wooden trowel.

SECTION 3. SECTION MODIFIED. Section 3, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

136.03 REMOVAL OF SNOW, ICE AND ACCUMULATIONS. It is the responsibility of the abutting property owners to remove snow, ice and accumulations promptly from sidewalks. If a property owner does not remove snow, ice or accumulations within twenty-four (24) hours ***after the cessation of the storm or other cause or accumulation, the City Administrator may, without notice to the property owner, cause the same to be removed. The City may use its own forces to remove the snow, ice or accumulations or the City may hire an independent contractor to remove the snow, ice and accumulations. The cost of the removal shall be assessed against the property's taxes.***

If not paid within sixty (60) days, the Clerk is to certify the cost and assessments to the County Treasurer and it shall then be collected with and in the same manner as property taxes.

SECTION 4. SECTION MODIFIED. Section 4, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

136.04 RESPONSIBILITY FOR MAINTENANCE. ***It is the responsibility of the abutting property owners to repair, replace or reconstruct, or cause to be repaired, replaced or reconstructed, all broken or defective sidewalks and to maintain in a safe and hazard-free condition any sidewalk outside the lot and property lines and inside the curb lines or traveled portion of the public street. The owner of any lot or parcel who fails to maintain said sidewalk***

may be liable to any person injured as a result of such failure to maintain the sidewalk and shall further save, defend, indemnify and hold harmless the City from and against any claim arising out of the failure to maintain said sidewalk.

SECTION 5. SECTION MODIFIED. Section 5, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

136.05 CITY MAY ORDER REPAIRS. ***It is the duty of the abutting property owner at any time, or upon receipt of sixty (60) days' notice from the City, to repair, replace or reconstruct or cause to be repaired, replaced or reconstructed, all broken and defective sidewalks and to maintain in a safe and hazard-free condition any sidewalk outside the lot and property lines and inside the curb lines or traveled portion of the public street abutting said owner's property. If, upon the expiration of sixty (60) days as provided in said notice, the required work has not been done or is not in the process of completion, the Council may require the sidewalk to be repaired, replaced, or reconstructed. There shall be returned to the Council an itemized and verified statement of expenditures of material and of the labor used in doing such work, and the legal description of the lot, part of the lot or parcel of ground abutting the sidewalk on which such work was performed. The cost thereof shall be assessed to the property fronting thereon.***

SECTION 6. SECTION MODIFIED. Section 7, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

136.07 ***PERMITS FOR CONSTRUCTION AND REMOVAL. No person shall make any sidewalk improvements, whether ordered by the Council or not, unless such person obtains a permit from the City. The person obtaining the permit shall agree in writing that said person will, in making the sidewalk improvements, comply with the Ordinances of the City and with the specifications for sidewalks approved by the Council and on file in City Hall, and that the work shall be done under the direction and supervision of the Water/Wastewater Superintendent and subject to the approval of that officer. All such permits, together with the written agreement above referred to, shall be filed and preserved in City Hall. All permits for Council ordered sidewalk improvements shall be issued in compliance with the resolution of the Council ordering the improvement. All permits for sidewalk improvements not ordered by resolution of the Council shall be issued in compliance with this chapter. The Water/Wastewater Superintendent may withhold the issuance of any permit for any sidewalk improvements for a sufficient period to determine the necessity for the proposed improvements or when the weather conditions will adversely affect the sidewalk improvements.***

SECTION 7. SECTION MODIFIED. Section 8, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

136.08 SIDEWALK STANDARDS. Sidewalks repaired, replaced or constructed under the provisions of this chapter shall be of the following construction and meet the following standards:

1. Cement. Portland cement shall be the only cement used in the construction and repair of sidewalks. The minimum cement content shall be six (6) sacks per cubic yard and the concrete strength shall be 4000 psi at twenty-eight (28) days.
2. Construction. Sidewalks shall be of one-course construction.
3. Sidewalk Base. Concrete may be placed directly on compact and well-drained soil. Where soil is not well drained, a three-inch sub-base of compact, clean coarse gravel or sand shall be laid. The adequacy of the soil drainage is to be determined by the City.
4. ***Joint Filler. A one-half (1/2) inch non-extruding type expansion joint shall be provided between all sidewalks and adjoining backs of curbs and between intersecting sidewalks and between sidewalks and driveways.***
5. Sidewalk Bed. The sidewalk bed shall be so graded that the constructed sidewalk will be at established grade.
6. ***Valve Boxes and Manholes. All water valve boxes and manholes shall be adjusted flush with the sidewalk.***
7. Length, Width and Depth. Length, width and depth requirements are as follows:
    a. Residential sidewalks shall be at least four (4) feet wide and four (4) inches thick, ***and each section shall normally be scored at four (4) foot intervals, but in no case more than six (6) foot intervals.***
    b. Business District sidewalks shall extend from the property line to the curb. Each section shall be four (4) inches thick and no more than six (6) feet in length and width.
    c. Driveway areas shall be not less than six (6) inches in thickness.
8. Location. Residential sidewalks shall be located with the inner edge (edge nearest the abutting private property) one (1) foot from the property line, unless the Council establishes a different distance due to special circumstances.
9. Grade. Curb tops shall be on level with the centerline of the street which shall be established grade.
10. Elevations. The street edge of a sidewalk shall be at an elevation even with the curb at the curb or not less than one-half (1/2) inch above the curb for each foot between the curb and the sidewalk.
11. Slope. All sidewalks shall slope one-quarter (1/4) inch per foot toward the curb.
12. Finish. All sidewalks shall be finished with a "broom" ***finish to provide a non-skid surface.***
13. Curb Ramps and Sloped Areas for Persons with Disabilities. If a street, road, or highway is newly built or reconstructed, a curb ramp or sloped area shall be constructed or installed at each intersection of the street, road, or highway with a sidewalk or path. If a sidewalk or path is newly built or reconstructed, a curb ramp or sloped area shall be constructed or installed at each intersection of the sidewalk or path with a street, highway, or road. Curb

ramps and sloped areas that are required pursuant to this subsection shall be constructed or installed in compliance with applicable Federal requirements adopted in accordance with the Federal Americans with Disabilities Act, including (but not limited to) the guidelines issued by the Federal Architectural and Transportation Barriers Compliance Board.

SECTION 8. SECTION MODIFIED. Section 19, Chapter 136 of the Code of Ordinances of the City of Prairie City, Iowa, is amended to state:

136.19 SIDEWALK REQUIREMENTS. Sidewalks are necessary to provide a safe surface for pedestrian traffic to move about within the City. Therefore, the following sidewalk requirements are established within the City:

1. ***Installation of new sidewalks shall be required with the issuance of building permits for the construction of a single-family home, a multi-family home, an apartment, a business or commercial structure. An extension may be granted by the City Administrator who shall report the same to Council. These extensions may be granted for special circumstances only (such as waiting for appropriate weather to do final grading of property) for a period not to exceed twelve (12) months. Where an extension is granted, the property owner shall be required to provide proof of intent to install sidewalk or a bond in the appropriate amount to cover the cost of sidewalk construction. Property owner's failing to install sidewalk as required by this section shall be subject to, among other things, Section 136.06 of this Code of Ordinances.***
2. ***On a periodic basis, sidewalks within the City shall be inspected by the City and notice shall be sent to property owners whose sidewalks are in need of repair pursuant to Section 136.05 above.***
3. **Those businesses with concrete/blacktop aprons shall mark sidewalk location on the apron in a manner approved by the City.**

SECTION 9. REPEALER. All ordinances or parts thereof in conflict with the provisions of this ordinance are hereby repealed.

SECTION 10. SEVERABILITY CLAUSE. If any section, provision, or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision, or part thereof not adjudged invalid or unconstitutional.

SECTION 11. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval, and publication as provided by law.

Passed First Reading by the City Council of Prairie City, Iowa, ____ day of _____, 2022.

Passed Second Reading by the City Council of Prairie City, Iowa, the ____day of _____, 2022.

PASSED AND ENACTED by the City Council of Prairie City, Iowa, the ____ day of _____, 2022.

_____
Eric Imerman, Mayor

Attest:

_____
Jodie Wyman, City Clerk

CERTIFICATE

I, Jodie Wyman, City Clerk of the City of Prairie City, Iowa, hereby certify that the foregoing Ordinance No. 389 was published in a Prairie City newspaper published at least once weekly and having general circulation in the City of Prairie City, Iowa on the _____ day of _____ 2022.

_____
Jodie Wyman, City Clerk

RESOLUTION NO. 6-1-22-9

RESOLUTION WAIVING THE SECOND AND THIRD READINGS OF ORDINANCE NO. 389

WHEREAS, IOWA CODE 380.3 requires two considerations before final passage, unless this requirement is suspended by a recorded vote of not less than three-fourths of all of the members of the council, and

WHEREAS, The Council of the City of Prairie City, Iowa, has the ability to suspend the two considerations to approve Ordinance 389,

THEREFORE, BE IT RESOLVED that the Council of the City of Prairie City, Iowa is suspending the requirement of Iowa Code 380.3 by approving a resolution waiving the second and third readings of Ordinance 388

This resolution has been approved and adopted this 1st Day of June, 2022.

_____

Eric Imerman,
Mayor

ATTEST:

_____

Jodie Wyman,
City Administrator/City Clerk

May 6, 2022

MAYOR ERIC IMERMAN
CITY OF PRAIRIE CITY
PO BOX 607
PRAIRIE CITY IA 50228

SUBJECT: Prairie City Wastewater Treatment Facility Inspection
NPDES Permit #: 5064001

Honorable Mayor Imerman and Council Members:

Enclosed is the report of the recent inspection of the above facility conducted by Janet Gastineau of the Field Office #5 staff.

We believe you will find the report self-explanatory and strongly encourage you to take action on the requirements and recommendations listed at the end of the report.

You may contact Ms. Gastineau (515-725-0334; janet.gastineau@dnr.iowa.gov) or this office with any questions or comments.

We appreciate the cooperation and assistance provided by Carl Van Der Kamp and Jake Nolin during this inspection.

Sincerely,

Ted Petersen
Supervisor, Field Office #5

Enclosure: Violation Report

c: DNR Records (w/encl.)
Carl Van Der Kamp, City of Prairie City (w/encl. via e-mail)

Iowa Department of Natural Resources
Wastewater Treatment Facility Inspection Form

NPDES Permit #: 5064001

FACILITY INFORMATION

Facility:
Name: City of Prairie City Wastewater Treatment Plant Plant Grade: WW3
Responsible Authority/Owner: City of Prairie City
Address: PO Box 607 Phone: 515-994-2649
City: Prairie City State: Iowa Zip: 50228

Responsible Operator:
Name: Carl Van Der Kamp Grade: WW3 Certification Number: 5587

General Description:
Wastewater treatment is provided by a Fluidyne ISAM™ activated sludge system with an automatic spiral screen (Vulcan) and dewatering system with a manual bar screen in a bypass line, grit separator and concentrator (TeaCup®), 2 integrated surge anoxic mix (ISAM) tanks, 2 surge equalization/anoxic mix (SAM) tanks, 2 sequential batch reactors (SBR) tanks, one aerated sludge digester and storage tank, and flow equalization. Effluent is batch-discharged from the SBR through ultraviolet disinfection, via the same outfall structure used for the former aerated lagoon system, to Calhoun Creek. The new wastewater treatment facility went on line July 1, 2013. The two former aerated lagoon cells serve as the equalization basin. An overflow structure on the west end of the equalization basins flows through the ultraviolet troughs for disinfection. There is a permanent generator for the operation of the facility in an emergency.

Design Capacity:
Average MGD: 0.7800 (AWW) Maximum MGD: 1.19
Pounds BOD/Day: 539 PE (BOD): 3228

Now Treating:
Average MGD: 0.38778 Maximum MGD: 1.35 (May 2019)
Pounds BOD/Day: 203 PE (BOD): 1216
Period Reviewed: 6/2017-3/2022 Population Served: 1700

Receiving Stream:
Calhoun Creek, tributary to Des Moines River

INSPECTION INFORMATION

Inspection:
Date and Time of Inspection: 4/15/2022 @1230 Purpose: Routine Compliance
Date of Last Inspection: 6/21/2017

Persons Interviewed:
Name: Carl Van Der Kamp Title: Wastewater Superintendent
Name: Jake Nolin Title: Operator-in-training

NPDES PERMIT COMPLIANCE SUMMARY

Self-Monitoring:
Operation Reports Submitted: ☒ Sat. ☐ Marg.* ☐ Unsat.*
Required Data on Reports: ☒ Sat. ☐ Marg.* ☐ Unsat.*
Testing Adequacy: ☒ Sat. ☐ Marg.* ☐ Unsat.*

Effluent Limitations:
Self-Monitoring Results:
☒ Compliance ☐ Infrequent Non-Compliance* ☐ Significant Non Compliance*

Samples this Inspection:
Type: None
Lab Data Attached? ☐ Yes ☒ No
Results: ☐ Sat. ☐ Marg.* ☐ Unsat.*

Visual Appearance of Effluent & Receiving Stream: No discharge occurring during this insp.
Visual Appearance of Receiving Stream: No visual impacts observed

* Additional details in the narrative report

AUTHENTICATION

Inspector:
Name & Title: Janet Gastineau, Environmental Specialist Senior
Janet A. Gastineau Digitally signed by Janet A. Gastineau Date: 2022.05.06 10:03:16 -05'00'
Date: 4/29/2022

Reviewer:
Name & Title: Tom Atkinson, Environmental Specialist Senior Date: 5/2/2022

FACILITY EVALUATION

Were deficiencies noted or significant observations made during the inspection?

Yes = See Comments Section for details

No = No deficiencies or significant observations were noted

Lack of Entry = Item not applicable or not observed.

Item	Yes	No
1. Collection System		
a. Operation and Maintenance	☒	☐
b. Physical Condition	☐	☒
c. Dry Weather Capacity	☐	☒
d. Infiltration/Inflow	☒	☐
e. Bypass(es)	☒	☐
2. Lift Station(s) (Collection System)		
a. Operation and Maintenance	☐	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Reliability/Emergency Operation	☐	☒
3. Industrial Waste Pre-Treatment		
a. Significant Industrial Users	☐	☒
b. Waste Toxicity/ Compatibility	☐	☒
c. Strength Reduction	☐	☒
d. Effect on Treatment Plant	☐	☒
4. Preliminary Treatment		
a. Operation and Maintenance	☒	☐
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Effectiveness	☐	☒
5. Primary Treatment		
a. Operation and Maintenance	☒	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☐
d. Sludge/Scum Removal	☐	☒
e. Effectiveness	☐	☒
6. Secondary Treatment		
a. Operation and Maintenance	☒	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Recirculation	☐	☒
e. Freezing	☐	☒
f. Effectiveness	☐	☒
7. Final Settling		
a. Operation and Maintenance	☒	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Effectiveness	☐	☒
8. Supplementary Treatment		
a. Operation and Maintenance	☐	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Effectiveness	☐	☒

Item	Yes	No
9. Sludge Handling and Disposal		
a. Operation and Maintenance	☐	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Effectiveness	☐	☒
e. Final Disposal, Solids	☒	☐
f. Final Disposal, Liquids	☐	☒
10. Lagoon Structures		
a. Maintenance	☒	☐
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Cell Configuration	☐	☒
e. Storage/Drawdown Management	☐	☒
11. Flow Measurement		
a. Operation and Maintenance	☒	☐
b. Capacity	☐	☒
c. Continuity	☐	☒
d. Location. Method/ Effectiveness	☐	☒
12. Pumping		
a. Operation and Maintenance	☐	☒
b. Physical Condition	☐	☒
c. Capacity	☐	☒
d. Reliability/ Emergency Operation	☐	☒
13. Miscellaneous		
a. Location	☐	☒
b. Odors	☐	☒
c. Emergency Operation	☒	☐
d. Bypass(es)	☐	☒
e. Equipment	☐	☒
f. Buildings & Grounds	☒	☐
g. Laboratory	☐	☒
h. Other	☐	☒
14. Staffing, Operator Certification		
a. Operator, Direct Responsibility	☒	☒
b. Shift Operator(s)	☒	☐
c. General Staffing	☐	☒
15. Supplementary		
a. Permit Availability	☐	☒
b. Operation Reports Availability	☐	☒
c. Equipment Records Maintenance	☐	☒
d. Previously Noted Deficiencies	☐	☒
e. Improvements	☐	☒
f. Domestic/Industrial Growth	☐	☒
g. Recommendations	☒	☐
h. Required Actions	☒	☐

INTRODUCTION

A routine inspection was conducted April 15, 2022, with operators Carl Van Der Kamp and Jake Nolin. The inspection involved a review of the Iowa DNR's and the City's records, discussions with the operators, and a walk through the treatment facility. The purpose of the inspection was to determine the compliance status of the facility.

In addition to the sequencing batch reactor facility, the following are also maintained: the two cells from the former lagoon system that were converted to flow equalization basins and one small lift station in the collection system. Influent flow is measured after pretreatment through a Parshall Flume by an ultrasonic transducer. Flows greater than 0.750 MGD generally flow to the equalization basin and are measured at the former influent structure for the lagoon facility. Effluent flow is based on the number of decants in a 24 hour period. There is a flow meter on the return from the equalization basin.

NPDES PERMIT COMPLIANCE SUMMARY

The discharge monitoring reports (DMRs) were reviewed for the reporting period from June 2017 through March 2022. The reports were submitted regularly and on time; and it appears that the wastewater testing parameters of the NPDES permit are being consistently entered at the required frequencies on the operating reports. The pH standards were expired. It is recommended that a more sophisticated pH meter be obtained. Calibration must be conducted prior to each compliance measurement.

A compliance report was generated for the facility during the period of review and reviewed with the operators. The following permit limitation exceedances were noted:

- The minimum dissolved oxygen (DO) limit is 5.0 mg/L. There were 27 months during the period of review when the minimum reported DO value for the month was less than 5.0 gm/L; the lowest reported value was 4.11 mg/L. It is recommended that current sample collection and laboratory practices be reviewed with all operators to ensure the grab sample analyzed for DO is representative of what is being discharged to the receiving stream. For example, reviewing the calibration requirements for the instrument, the analysis method, collecting the sample from the outfall during a discharge, or collecting the sample from the effluent structure during a discharge.
- The minimum pH limit is 6.5 standard units; in March 2020, the pH was reported as 6.2 standard units.

With the exception of six months (June & July 2018, March, May, and October 2019, and March 2020) when the maximum design flow was exceeded, all hydraulic design capacities were complied with during the period of review. Based on the maximum raw biochemical oxygen demand values reported each month there were four months during the period of review when the organic design loading was exceeded. The total Kjeldahl nitrogen design loading was not exceeded during the period of review.

FACILITY EVALUATION

1. COLLECTION SYSTEM: a. Operation & Maintenance; d. Infiltration/Inflow; and e. Bypass(es)

The collection system is gravity flow except for one lift station which serves the Casey's General Store, a car wash, two office buildings, and the park restrooms. The lift station is equipped with two 3-horsepower submersible grinder pumps, audible and visual alarm and there is a pump connection provided on the force main for use of a portable trash pump in the event of power failure. In addition, the lift station is on the same electrical circuit as the water treatment plant for auxiliary power. The lift station pumps have been repaired and replaced multiple times since the previous inspection because the car wash was not properly plumbed to

prevent solids/grit from entering the lift station. The city administration and public works staff continue to work with the car wash owner to remedy the problem.

The City has a contract with CIT Sewer Services for cleaning and televising the collection system for the next three years; CIT will track this work on the City's GIS system. Although more than a third of the collection system was rehabilitated several years ago, additional prioritization for rehab work will follow this contract. Staff continues to monitor flows during wet weather to assess the effectiveness of these projects to reduce infiltration and inflow.

Multiple equalization overflows to the effluent structure and through the UV system and bypass pumping from manholes were reported properly in 2018 and 2019. Bypass flow in measured as an instantaneous flow through the overflow structure; there are graduated markings on the exterior of the structure. Since the previous inspection this overflow structure inlet was also screened.

4. PRELIMINARY TREATMENT: a. Operation & Maintenance

Scum/grease from the influent splitter structure, which was considerable, is manually removed and combined with the screenings and grit for lime stabilization. However, the operators have had difficulty finding hydrated lime and have been using barn lime. Once the barn lime is used up, hydrated lime must be used for stabilization prior to disposal and is likely available at local hardware of big box home improvement stores. The spiral screen operates on a float and the grit classifier on a timer. A grease slug was causing problems with the operation of spiral screen during the previous inspection, but this was resolved by changing the solenoid associated with the wash system. The pretreatment room was clean and orderly. Another new refrigerated sampler was installed since the last inspection. A thermometer should be added to the refrigerator to ensure proper preservation during sample collection; the sampler pumps from the influent meter channel after pretreatment. The three positive displacement blowers for the sequencing batch reactor are housed in the same headworks building as the stair screen and grit classifier.

5. PRIMARY TREATMENT: a. Operation & Maintenance; 6. SECONDARY TREATMENT: a. Operation & Maintenance; 7. FINAL SETTLING: a. Operation & Maintenance

Flows from the pretreatment building flow to a control structure where flow is split between the two independently operated treatment trains' ISAM tanks. It is here that influent enters and solids settle under anaerobic conditions. Flow continues to the two SAM tanks where anoxic and aerobic processes occur. Mixed liquor is maintained in these tanks and once the tanks reach a set level, the contents is pumped to the SBR tank in service; treatment consists of aeration, mixing, and settling in the SBR tank. During the settling stage, no flow passes from the SAM tank. Each decant from the SBR tank is 56,848 gallons from the top of the tank. At the time of this inspection both SBR were in the anoxic stage. Dissolved oxygen was 2.5 mg/L and 0.90 mg/L in SBR #1 and #2, respectively. Influent flow rates to the plant determine the length and number of cycles in the SBR tank. These cycles can be managed based on dissolved oxygen or time depending on the season. The return line from SBR #2 to the ISAM tank was replaced since the previous inspection. Furthermore, the six original motive electric pumps were all replaced since the previous inspection.

9. SLUDGE HANDLING AND DISPOSAL: e. Final Disposal Solids

The aerated digester is located between the two ISAM tanks. No sludge has been removed; sludge is judged to be approximately less than two feet. Nonetheless, a five year land application plan was developed in accordance with 567 IAC 67.4 (455B). The plan must be updated when it becomes necessary to land apply sludge. Every few months when the digester dissolved oxygen decreases the operator transfers sludge manually from the ISAM tank to the aerobic sludge storage tank between the two ISAM tanks. Decant from the sludge storage tank is returned to the SAM tanks.

10. LAGOON STRUCUTRES: a. Maintenance

Influent flows in excess of 0.750 MGD flow to the equalization basins typically in series (northwest to southeast) by manual adjustments to a gate valve and are metered prior to discharge to the basins. Return flow to the treatment plant is pumped to the plant's ISAM tanks and is metered through decants. Eventually the influent split to the equalization basin and the return flow from the equalization basins will be automated.

For now, the return pump, which is equipped with a variable frequency drive, it is manually operated. Influent flow diverted to equalization is added to the daily influent flow for reporting. As mentioned, overflow from the equalization basin is through a structure to the main effluent structure and UV treatment; there are no other outfalls associated with equalization. Broken concrete and soils removed from projects around town is stocked along the south side of the lagoon dikes. Plans are to break up the concrete to add as riprap along the interior dikes. As discussed during the inspection, rebar should be cut flush and pieces should be limited to no more than six to eight inches to prevent voids to provide adequate erosion protection. In accordance with design and construction standard, the riprap should be placed from two feet below the minimum operating depth to at least one foot above the maximum operating depth (measured on the vertical). The basins appeared to be maintained in good condition. The operator is reminded to keep at least two feet of water in the cells to protect the liner.

11. FLOW MEASUREMENT: a. Operation and Maintenance

There were no records of any meter calibration. Meter calibration should be conducted according to manufacturer's recommendations or at least annually and kept with the facility's operation and maintenance records.

13. MISCELLANEOUS: c. Emergency Operation; f. Buildings & Grounds; g. Laboratory

Few control structure are locked and do not appear to have been designed to be locked. It is recommended that these structures be locked. There is an emergency power generator for operation of the facility and the air quality registration was submitted in July 2017. Calibration of laboratory equipment was discussed with operators during this inspection. The operator is reminded that pH and dissolved oxygen equipment must be calibrated before each measurement used for compliance reporting. This calibration must be documented with self-monitoring records. Other records of operation, for example, for the equalization basin return pump, meter readings, and general activity log were well maintained. As mentioned in previous inspection reports, the facility should restrict access to the equalization basins as a result of the location of the City's yard waste pile. Unrelated solid waste was stored between the two cells and should be properly disposed of.

14. STAFFING, OPERATOR CERTIFICATION: b. Shift Operation

The facility is classified as grade 3 wastewater treatment and is largely operated through the programmable logic controller (PLC), which the operators interface with through the supervisory control and data acquisition (SCADA) computer in the laboratory. There is a teledialer for alarms, but no remote capability. Since the previous inspection, new staff persons were hired and are in training for wastewater certification: Jake Nolin, Ryan Martin, and Joe Oglesby. Shift operation of the wastewater treatment facility must be conducted by a minimum of a grade 2 certified wastewater operator. Furthermore, Mr. Vander Kamp is expected to retire later in 2022, so city administration is encouraged to develop an operator succession plan to assist in personnel transition and to ensure a grade 3 wastewater treatment operator is obtained.

SUMMARY

No significant violations were identified during this inspection. Based on effluent reporting and observations made, the plant appears to be well operated and preventive maintenance has been a priority. However, automation issues have beset the facility since start up. The existing permit expires in 6/30/2024, and file for renewal must be completed by 1/2/2024.

REQUIREMENTS

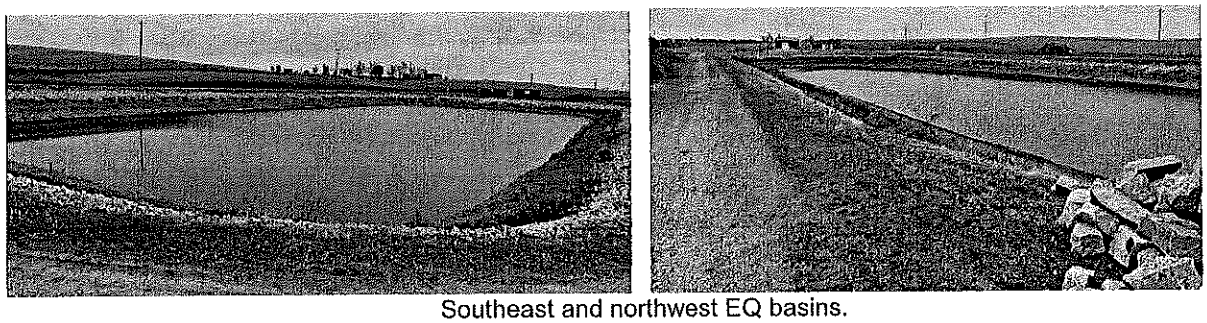
1. Comply with effluent permit limitations at all times. [567 IAC 64.3(1)]
2. Stabilize grease skimmings, screenings, and grit with hydrated lime prior to disposal. [567 IAC 109.11(3)]
3. Update the land application plan when sludge disposal becomes necessary. [567 IAC 67.4]

4. Maintain all treatment units, pumps, and appurtenance in good working condition. [Standard Permit Condition #9]
5. Perform calibrations of field instruments in accordance with Standard Methods and Subrule 567 IAC 63.1(1).
6. Restrict access to the equalization basins via the yard waste site [Wastewater Facilities Design Standards 18C.10]
7. Ensure the plant is operated by a sufficient number of properly certified operators [567 IAC(455B) Chapter 81].
8. Limit the size of the broken concrete to six to eight inches or less and cut rebar flush [Wastewater Facilities Design Standards]

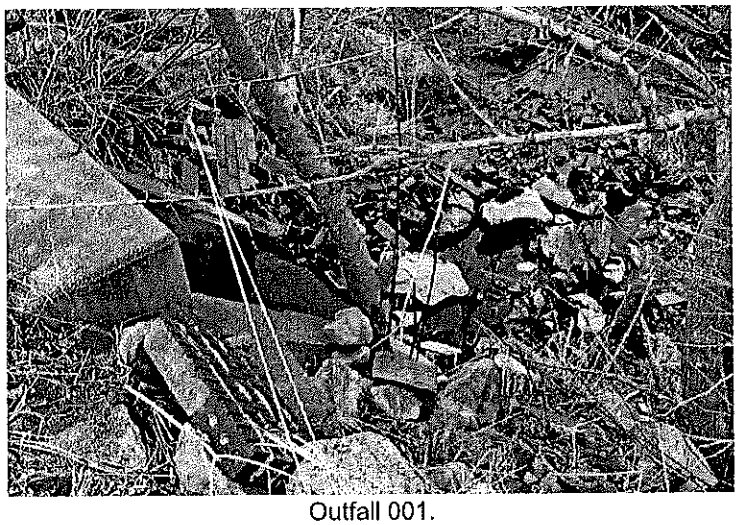
RECOMMENDATIONS

1. Lock all pump and valve control structures.
2. Calibrate all flow meters according to the manufacturer, but at least annually.
3. Replace the pH meter.

PHOTOS (4/15/2022)



Southeast and northwest EQ basins.



Outfall 001.

Effluent Limit Violations 6/1/2017 - 4/28/2022

PRAIRIE CITY, CITY OF STP - 5064001

PRAIRIE CITY EPA #:IA0033073		DAILY MINIMUM - Limit	DAILY MINIMUM - DMR	DAILY MINIMUM - Limit	DAILY MINIMUM - DMR	Parameter Monthly Total
Outfall: 001						
6/2017	DO MIN	5	4.4			1
7/2017	DO MIN	5	4.11			1
8/2017	DO MIN	5	4.31			1
9/2017	DO MIN	5	4.19			1
10/2017	DO MIN	5	4.75			1
11/2017	DO MIN	5	4.73			1
2/2018	DO MIN	5	4.93			1
3/2018	DO MIN	5	4.4			1
5/2018	DO MIN	5	4.54			1
6/2018	DO MIN	5	4.63			1
7/2018	DO MIN	5	4.45			1
8/2018	DO MIN	5	4.17			1
9/2018	DO MIN	5	4.76			1
7/2019	DO	5	4.52			1
8/2019	DO	5	4.19			1
9/2019	DO	5	4.28			1
5/2020	PH			6.5	6.2	1
4/2020	DO	5	4.98			1
6/2020	DO	5	4.87			1
7/2020	DO	5	4.2			1
8/2020	DO	5	4.31			1
9/2020	DO	5	4.47			1
10/2020	DO	5	4.69			1
6/2021	DO	5	4.83			1
7/2021	DO	5	4.65			1
8/2021	DO	5	4.34			1
9/2021	DO	5	4.15			1
10/2021	DO	5	4.74			1

Total: 28

Total Violations: 28

IOWA DEPARTMENT OF NATURAL RESOURCES

GOVERNOR KIM REYNOLDS
LT. GOVERNOR ADAM GREGG
DIRECTOR KAYLA LYON

March 11, 2021

MAR 17 2021

PRAIRIE CITY WATER WORKS
ATTN CITY ADMINISTRATOR
PO BOX 607
PRAIRIE CITY IA 50228

SUBJECT: Consumer Confidence Report Notification

PRAIRIE CITY WATER WORKS, PWSID 5064055

The Iowa Department of Natural Resources (IDNR) is providing a draft 2020 Consumer Confidence Report (CCR) for your water supply that can be used to distribute to your customers (see attached). Copies of the CCR must be provided to your customers and IDNR by July 1 of each year. Please note this CCR was completed using the best available information stored in the IDNR's database. Therefore, you must ensure the information is accurate and complete before distributing it. In some cases, the IDNR does not have all the necessary information to provide a completed CCR. If modifications are necessary, or if you would like a copy for your records, an electronic copy can be obtained by e-mailing ccr@dnr.iowa.gov, or by calling the number listed at the end of this letter. Below is a list of potential updates that may be necessary for your CCR.

- If the system was in violation of any standard, or if you had to conduct a Level 1 or 2 Assessment, you should include any corrective actions taken.
- Contact information for your supply.
- Include Fluoride range and highest result if your system adds fluoride.
- Total organic carbon (TOC) (report % removed).
- Include Turbidity data (violations and results). If applicable, the attached CCR will contain a blank row in the chart for you to add turbidity information.
- Include Cryptosporidium per Long Term 2 (LT2) sampling, if applicable.
- Chlorine and chloramine MRDL values are provided for water systems that use chlorine; however, they are from bacteria samples in the department's database. They are not from monthly MOR forms. Each water supply is encouraged to compare these values to those on their monthly MOR forms and make corrections as necessary.

In addition, large water supplies, and a representative sample of small water supplies, have been participating in a study with the EPA related to the Unregulated Contaminant Monitoring Rule (UCMR). Water supplies in this study should include any detects found as a part of this study in the CCR. These detects are not included in the attached CCR and should be provided directly by the water supply.

If you sell water to another system, you must provide monitoring results to the systems that purchase your water by April 1. While the IDNR has already provided this data to the consecutive systems, it is still necessary to provide this as the consecutive system may need to include additional information, such as turbidity data, for which DNR does not have on record.

The Iowa Association of Municipal Utilities (IAMU) will be conducting CCR training workshops during April (times and locations will be announced in a separate mailing from IAMU).

Direct delivery of the CCR can be accomplished through electronic delivery. Systems electing to distribute the CCR electronically must ensure delivery guidelines are met. To determine if electronic delivery is appropriate for your system, and to ensure distribution meets regulatory requirements, please go to the following link: https://www.epa.gov/ccr/how-water-utilities-can-electronically-delivery-their-ccr

In summary, your water supply must:

1. Distribute the Consumer Confidence Report to your customers no later than July 1, 2021. Remember to make any changes, if necessary, as discussed above.
2. Send a copy of the report to the IDNR Water Supply Operations Section at 502 E. 9th Street, Wallace State Office Building, Des Moines, IA, 50319-0034, postmarked no later than July 1, 2021.

The IDNR will inform you if you must deliver a copy of your report to any other agency (e.g., County Board of Health).

3. Complete and return the enclosed CCR Certification Form to the IDNR Water Supply Operations Section at 502 E. 9th Street, Wallace State Office Building, Des Moines, IA, 50319-0034, no later than October 1, 2021.

If the provided data does not match your records, or if you have any questions regarding your CCR, please contact me at 515-725-0339.

Sincerely,

CHRIS SPOELSTRA

Environmental Specialist Water Supply Section

cc: File: PRAIRIE CITY WATER WORKS, PWSID 5064055

CCR Certification Form

For Systems with mailing waivers

PRAIRIE CITY WATER WORKS
PWSID: 5064055

The community water system indicated above hereby confirms that the Consumer Confidence Report (CCR) has been distributed to customers (and appropriate notices of availability have been given) and that the information is correct and consistent with the compliance monitoring data previously submitted to IDNR by your certified laboratory.

System-specific details on requirements of CCR distribution to customer are outlined below.

- **Systems electing to distribute the CCR by direct delivery.**

  This can be accomplished by mail, electronic delivery, or other form of direct delivery. Provide the date of distribution and delivery method in the space below. Refer to the following website for electronic delivery options: https://www.epa.gov/ccr/how-water-utilities-can-electronically-delivery-their-ccr. Provide URL if distributed electronically.

- **Systems electing not to distribute the CCR by direct delivery must complete all of the following.**

  Systems serving between 501 and 10,000 persons must:

  1. Publish the CCR in the local newspaper(s). Attach a copy of the notice. List newspaper and dates below:

  2. Inform customers the CCR will not be mailed. List methods and date of notification below:

  3. Develop procedures to make reports available upon request. Specify below:

  Systems serving fewer than or equal to 500 persons must:

  Inform customers the CCR is available upon request and will not be mailed. List methods used and date completed below:

Certified by: Name Carl Van Der Kamp

Title Water superintendent

Phone # 515-994-2649 Date of Delivery 05-7-21

Return to: ATTN: Chris Spoelstra
Iowa DNR Water Supply Operations Section
Wallace State Office Building
502 E. 9th Street
Des Moines, IA 50319-0034

2020 WATER QUALITY REPORT FOR PRAIRIE CITY WATER WORKS

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

CONTAMINANT	MCL - (MCLG)	Compliance		Date	Violation	Source
		Type	Value & (Range)		Yes/No	
Total Trihalomethanes (ppb) [TTHM]	80 (N/A)	LRAA	14.00 (14 - 14)	09/30/2020	No	By-products of drinking water chlorination
Total Haloacetic Acids (ppb) [HAA5]	60 (N/A)	LRAA	9.00 (9 - 9)	09/30/2020	No	By-products of drinking water disinfection
Lead (ppb)	AL=15 (0)	90th	ND	2020	No	Corrosion of household plumbing systems; erosion of natural deposits
Copper (ppm)	AL=1.3 (1.3)	90th	0.186 (0.0283 - 0.380)	2020	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
950 - DISTRIBUTION SYSTEM						
Chlorine (ppm)	MRDL=4.0 (MRDLG=4.0)	RAA	0.8 (0.49 - 1.2)	12/31/2020	No	Water additive used to control microbes
01 - WELLS 1_2R AFTER TR						
Barium (ppm)	2 (2)	SGL	0.0239	01/04/2018	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4 (4)	RAA	0.54 (0.300 - 0.52)	03/31/2020	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Arsenic (ppb)	10 (0)	SGL	2.30	01/04/2018	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronic production wastes
Sodium (ppm)	N/A (N/A)	SGL	79.4	04/09/2020	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	5.500 (4.400 - 5.500)	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal (MCLG) -- The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- ppb -- parts per billion.
- ppm -- parts per million.
- pCi/L – picocuries per liter
- N/A – Not applicable
- ND -- Not detected
- RAA – Running Annual Average
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.

- Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- SGL – Single Sample Result
- RTCR – Revised Total Coliform Rule
- NTU – Nephelometric Turbidity Units

GENERAL INFORMATION

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water posed a health risk. More information about contaminants or potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. PRAIRIE CITY WATER WORKS is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

ADDITIONAL HEALTH INFORMATION

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

SOURCE WATER ASSESSMENT INFORMATION

This water supply obtains its water from the sand and gravel of the Alluvial aquifer. The Alluvial aquifer was determined to be highly susceptible to contamination because the characteristics of the aquifer and overlying materials provide little protection from contamination at the land surface. The Alluvial wells will be highly susceptible to surface contaminants such as leaking underground storage tanks, contaminant spills, and excess fertilizer application. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the Water Operator at 515-994-2649 .

CONTACT INFORMATION

For questions regarding this information or how you can get involved in decisions regarding the water system, please contact PRAIRIE CITY WATER WORKS at 515-994-2649.

City of Prairie City

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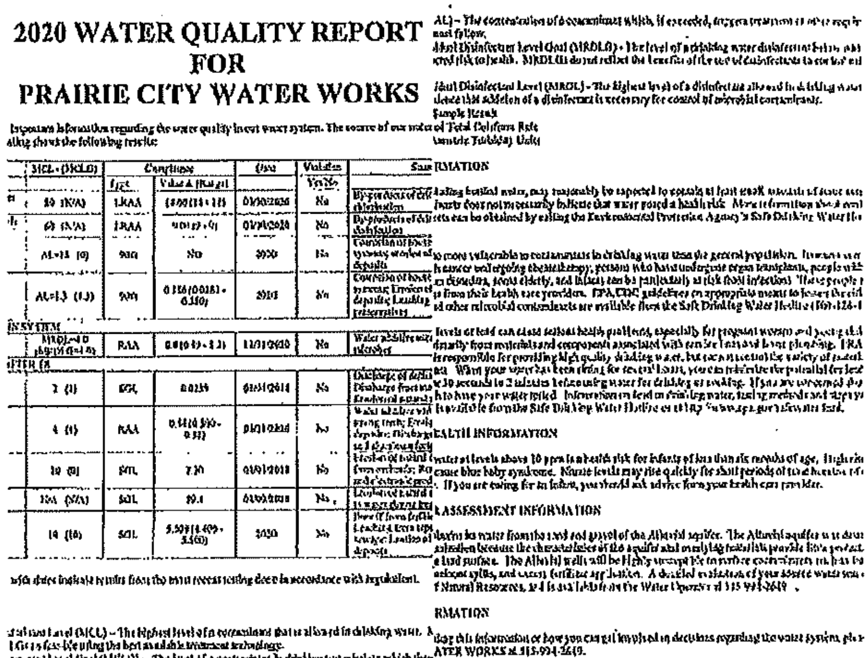
City of Prairie City
Published by Emily O'Neil Voeller · May 7 at 10:32 AM

This report will not be mailed to residents. If you need a hard copy, please contact city hall.



2020 WATER QUALITY REPORT FOR PRAIRIE CITY WATER WORKS

MCL - (MCLG)	Compliance Type	Value & (Range)	Date	Violation Yes/No
80 (N/A)	LRAA	[illegible]	[illegible]	No
60 (N/A)	LRAA	[illegible]	[illegible]	No
AL=15 (0)	90th	ND	2020	No
AL=1.3 (1.3)	90th	0.156 (0.0181 - 0.410)	2020	No
IN SYSTEM				
MRDL=4.0 (MRDLG=4.0)	RAA	[illegible]	[illegible]	No
2 (2)	SGL	0.0255	[illegible]	No
4 (4)	RAA	[illegible]	[illegible]	No
10 (10)	SGL	7.30	[illegible]	No
NA (N/A)	SGL	[illegible]	[illegible]	No
15 (15)	SGL	[illegible]	2020	No

HEALTH INFORMATION

ASSESSMENT INFORMATION

WATER WORKS at 515-994-2649.

Wednesday, May 12, 2021 02:22 PM

CITY OF PRAIRIE CITY

203 E. JEFFERSON • P.O. BOX 607
PRAIRIE CITY, IOWA 50228

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FROM	TO	BILLING DATE	PREV BALANCE
4/27/21	5/26/21	6/10/21	.00

READINGS		EST	CONSUMPTION USED	CODE	CURRENT CHARGES
PREVIOUS	PRESENT				
1486	1524		3800	WA	48.22
				ET	2.89

2020 Water Quality Report Available at www.prairiecityiowa.us

ACCOUNT NUMBER	DUE DATE
[redacted]	6/30/21
AMOUNT DUE AFTER DUE DATE	AMOUNT DUE NOW
55.93	51.11

PROPERTY LOCATION
[redacted]

ACCOUNT NUMBER	DUE DATE
[redacted]	6/30/21
AMOUNT DUE AFTER DUE DATE	AMOUNT DUE NOW
55.93	51.11

[redacted]
PRAIRIE CITY IA
50228

RR2

2020 WATER QUALITY REPORT FOR PRAIRIE CITY WATER WORKS

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

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Copper (ppm)	AL=1.3 (1.3)	90th	0.186 (0.0283 - 0.389)	2020	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
950 - DISTRIBUTION SYSTEM						
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01 - WELLS 1, 2R AFTER TR						
Barium (ppm)	2 (2)	SGL	0.0239	01/04/2018	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4 (4)	RAA	0.56 (0.300 - 0.52)	03/31/2020	No	Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories
Arsenic (ppb)	10 (0)	SGL	2.30	01/04/2018	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronic production wastes
Sodium (ppm)	N/A (N/A)	SGL	79.4	04/09/2020	No	Erosion of natural deposits; Added to water during treatment process
Nitrate [as N] (ppm)	10 (10)	SGL	5.500 (4.400 - 5.500)	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

DEFINITIONS

- Maximum Contaminant Level (MCL) -- The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal (MCLG) -- The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- ppb -- parts per billion.
- ppm -- parts per million.
- pCi/L -- picocuries per liter
- N/A -- Not applicable
- ND -- Not detected
- RAA -- Running Annual Average
- Treatment Technique (TT) -- A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) -- The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- SGL -- Single Sample Result
- RTCR -- Revised Total Coliform Rule
- NTU -- Nephelometric Turbidity Units

GENERAL INFORMATION

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants or potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. PRAIRIE CITY WATER WORKS is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

ADDITIONAL HEALTH INFORMATION

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

SOURCE WATER ASSESSMENT INFORMATION

This water supply obtains its water from the sand and gravel of the Alluvial aquifer. The Alluvial aquifer was determined to be highly susceptible to contamination because the characteristics of the aquifer and overlying materials provide little protection from contamination at the land surface. The Alluvial wells will be highly susceptible to surface contaminants such as leaking underground storage tanks, contaminant spills, and excess fertilizer application. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the Water Operator at 515-994-2649.

CONTACT INFORMATION

For questions regarding this information or how you can get involved in decisions regarding the water system, please contact PRAIRIE CITY WATER WORKS at 515-994-2649.