



CITY OF PRAIRIE CITY
203 E. JEFFERSON
P.O. BOX 607
PRAIRIE CITY, IA 50228
PHONE (515) 994-2649
FAX (515) 994-2376

MEMO

July 13, 2022

To: Mayor and Council

From: Jodie Wyman

Re: Automated Traffic Enforcement Funds

There is no change on the use of Automated Traffic Enforcement, placement of the cameras or officers utilizing cameras, nor the Council's decision for the use of the funds collected from Automated Traffic Enforcement. These comments are allowable during Public Comments.

When thinking and discussing borrowing funds, some of the projects can be funded by Revenue Bonds (Phase 1 Water Project – \$1.4M from Water Fund (19 more years) & Sewer Plant - \$3.5M from Sewer Fund (11 more years). Keep in mind when funding with Revenue Bonds there is an automatic utility bill increase to residents to cover loan payments in the corresponding fund – Debt must be paid by specific fund revenues from utility billing.

The City has a borrowing capacity of \$4M. GO Bonds are repaid by property taxes from the General Fund. There are projects that do not qualify for GO Funding – will need to consult with PFM & MSA for eligibility. Biggest risk for GO Bonds is a non-passing of vote by Prairie City residents. Any project over \$400,000 requires a vote from the public. Keep in mind when funding with GO Bonds and reducing the City's borrowing capacity, the reduction is for the next 20 years (typical length of loan) so if these funds are used on (want) projects now the funds will not be there for (need) projects in the future.

The CIP (Capital Improvement Plan) is attached so all projects that **must be** done this year are visible (red font). Of these required projects, only the schematic design of the public works building, and the annual sewer maintenance contract have funding outlined in the budget for this year. All the others do not have a funding source indicated and will need to have Council advise how to fund the required projects.

Please let me know if you have any questions.

Respectfully,

Jodie Wyman
City Administrator/City Clerk

Prairie City Police Department
Month: May 2022

| Badge # | Rank | Name | Hours | Rate | Total Per Officer |
|---------|---------|--------------------|-------|--------------------|-------------------|
| 291 | Officer | Choat, Adam | | 37.50 \$ | - |
| 211 | Officer | Backstrom, Mark | 5.00 | 37.50 \$ | 187.50 |
| 294 | Officer | Gott, Kevin | | 40.17 \$ | - |
| 295 | Officer | Kinmonth, Kameron | 4.00 | 37.50 \$ | 150.00 |
| 296 | Officer | Sickels, William | 3.50 | 40.17 \$ | 140.60 |
| | Interim | | | | |
| 297 | Chief | Davenport, Matthew | 64.00 | 44.45 \$ | 2,844.80 |
| 298 | Officer | Johns, Steven | 18.00 | 37.50 \$ | 675.00 |
| 212 | Officer | St Ores, Heather | 4.00 | 37.50 \$ | 150.00 |
| 293 | Officer | Clingan, Chris | | 37.50 \$ | - |
| 299 | Officer | Highland, Mason | | 37.50 \$ | - |
| 213 | Officer | Walters, Makennah | | 37.50 \$ | - |
| 214 | Officer | Martin, Ryan | 4.50 | 37.50 \$ | 168.75 |
| | | | | Grand Total | 4,316.65 |

BLUE LINE SOLUTIONS STATEMENT
Month: May 2022

| Incidents | Exceptions | Spoiled | Admin Void | Valid Citations | Paid Citations | |
|-----------|------------|---------|---------------|--------------------|----------------|--------|
| 676 | 73 | 19 | 3 | 581 | 535 | 92.08% |

| | Quantity | Amount | Total |
|-----------------------------|------------|-----------|---------------------|
| Paid Citations 10-14 MPH | 474 | \$ 100.00 | \$ 47,400.00 |
| Paid Citations 15-20 MPH | 52 | \$ 200.00 | \$ 10,400.00 |
| Paid Citations 21+ MPH | 9 | \$ 400.00 | \$ 3,600.00 |
| Partial Payments | 1 | \$ 50.00 | \$ 50.00 |
| Credit Card Fee Payments | 273 | \$ 5.90 | \$ 1,610.70 |
| Refunds/Chargebacks | 0 | \$ - | \$ - |
| Total Collections | 535 | | \$ 63,060.70 |
| Credit Card Processing Fees | | | \$ (1,610.70) |
| | | | \$ 61,450.00 |

| | | |
|-----------------------------|---------|------|
| Processing Fees | \$ 4.50 | \$ - |
| Violation Information Sheet | \$ 2.00 | \$ - |
| | | \$ - |

Total Collections Subject to Revenue Share **\$ 61,450.00**

60%

| | |
|------------------------------------------|---------------------|
| Agency Revenue Share (Per Contract) | \$ 36,870.00 |
| Officer Reimbursement | \$ 4,316.65 |
| Total Revenue Due to Prairie City | \$ 41,186.65 |

BLUE LINE SOLUTIONS STATEMENT

FY 2021-2022

For the Month Ending May 31, 2022

| Incidents | Exceptions | Spoiled | Admin Void | Valid Citations | Paid Citations | |
|-----------|------------|---------|------------|-----------------|----------------|--------|
| 10,893 | 1,791 | 105 | 69 | 8,928 | 7,372 | 82.57% |

| | Quantity | Amount | Total |
|--------------------------|--------------|------------------|----------------------|
| Paid Citations 10-14 MPH | 6586 | \$ 100.00 | \$ 658,600.00 |
| Paid Citations 15-20 MPH | 720 | \$ 200.00 | \$ 144,000.00 |
| Paid Citations 21+ MPH | 66 | \$ 400.00 | \$ 26,400.00 |
| Partial Payments | 8 | \$ 203.90 | \$ 353.90 |
| Credit Card Fee Payments | 4251 | \$ 5.90 | \$ 25,080.90 |
| Refunds/Chargebacks | 2 | \$ (200.00) | \$ (200.00) |
| Total Collections | 7,372 | \$ 709.80 | \$ 854,234.80 |

Credit Card Processing Fees \$ (25,080.90)
\$ 829,153.90

Processing Fees 0 \$ 4.50 \$ -
 Violation Information Sheet 0 \$ 2.00 \$ -
\$ -

Total Collections Subject to Revenue Share \$ 829,153.90

60%

Agency Revenue Share (Per Contract) \$ 497,492.34

Officer Reimbursement \$ 53,877.15

Total Revenue Due to Prairie City \$ 551,369.49

BLUE LINE SOLUTIONS STATEMENT

Cumulative Total (2020-2022)

For the Month Ending May 31, 2022

| Incidents | Exceptions | Spoiled | Admin Void | Valid Citations | Paid Citations | |
|-----------|------------|---------|---------------|--------------------|----------------|--------|
| 13,053 | 2,043 | 131 | 89 | 10,790 | 8,171 | 75.73% |

| | Quantity | Amount | Total |
|--------------------------|--------------|------------------|----------------------|
| Paid Citations 10-14 MPH | 7316 | \$ 100.00 | \$ 731,600.00 |
| Paid Citations 15-20 MPH | 783 | \$ 200.00 | \$ 156,600.00 |
| Paid Citations 21+ MPH | 72 | \$ 400.00 | \$ 28,800.00 |
| Partial Payments | 11 | \$ 186.00 | \$ 539.90 |
| Credit Card Fee Payments | 4659 | \$ 5.90 | \$ 27,488.10 |
| Refunds/Chargebacks | 2 | \$ - | \$ (3,500.00) |
| Total Collections | 12843 | \$ 891.90 | \$ 941,528.00 |

Credit Card Processing Fees \$ (27,488.10)
\$ 914,039.90

Processing Fees 799 \$ 4.50 \$ 3,595.50
 Violation Information Sheet 799 \$ 2.00 \$ 1,598.00
\$ 5,193.50

Total Collections Subject to Revenue Share \$ 908,846.40

60%

Agency Revenue Share (Per Contract) \$ 545,307.84

Officer Reimbursement \$ 72,744.90

| | |
|------------------------------------------|----------------------|
| Total Revenue Due to Prairie City | \$ 618,052.74 |
|------------------------------------------|----------------------|

CAPITAL IMPROVEMENT PROGRAM, FY22/23 to 26/27
CITY OF PRAIRIE CITY, IOWA

7/8/2022

| Building Improvements | Funding Source | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2026/27 | FUTURE | TOTALS |
|----------------------------------------------|-------------------|------------------|--------------------|--------------------|------------|------------|------------|--------------------|
| Fire/EMS Building Schematic | Speed Camera | \$16,000 | | | | | | \$16,000 |
| Fire/EMS Building Design (estimate) | Speed Camera | \$262,500 | | | | | | \$262,500 |
| Fire/EMS Construction (~\$190/SF) (estimate) | Speed Camera | | \$1,750,000 | | | | | \$1,750,000 |
| Public Works Building Schematic | Sewer/Water Funds | \$14,000 | | | | | | \$14,000 |
| Public Works Building Design (estimate) | Speed Camera | \$270,000 | | | | | | \$270,000 |
| Public Works Construction (estimate) | Speed Camera | | | \$1,800,000 | | | | \$1,800,000 |
| | | | | | | | | \$0 |
| Total Building Improvements | | \$546,500 | \$1,750,000 | \$1,800,000 | \$0 | \$0 | \$0 | \$4,096,500 |

| Street Improvements | Funding Source | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2026/27 | FUTURE | TOTALS |
|--------------------------------------------|----------------|-----------------|------------------|------------------|------------------|------------------|------------|--------------------|
| Alley behind City Hall | | \$20,000 | \$250,000 | | | | | \$270,000 |
| Jefferson St - Main to Marshall (Square) | | | \$60,000 | \$690,000 | | | | \$750,000 |
| (\$70K in water improvements) | | | | | | | | |
| Main St - Washington to Jefferson (Square) | | | | \$55,000 | \$650,000 | | | \$705,000 |
| (\$65K in water improvements) | | | | | | | | |
| Washington St - Main to Marshall (Square) | | | | | \$45,000 | \$520,000 | | \$565,000 |
| (\$60K in water improvements) | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| Annual Road Maintenance??? | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| Total Street Improvements | | \$20,000 | \$310,000 | \$745,000 | \$695,000 | \$520,000 | \$0 | \$2,290,000 |

| Water Improvements | Funding Source | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2026/27 | FUTURE | TOTALS |
|--------------------------------------|----------------|-----------|-------------|-----------|-----------|-----------|--------|-------------|
| Phase 2 Water System Improvements | SRF/LMI | \$118,000 | \$1,175,000 | | | | | \$1,293,000 |
| Phase 3 Water System Improvements | SRF/LMI | | \$100,000 | \$945,000 | | | | \$1,045,000 |
| Phase 4 Water System Improvements | SRF/LMI | | | \$80,000 | \$730,000 | | | \$810,000 |
| Water Tower Painting | IPAIT | | | | | | | \$0 |
| New Well in Colfax | | | | | \$50,000 | \$550,000 | | \$600,000 |
| Land Purchase in Colfax for New Well | | \$255,000 | | | | | | \$255,000 |

| | | | | | | | | | |
|--------------------------------------------------------------------------------------------------|--|-----------|-------------|-------------|-----------|-----------|-----|--|-------------|
| Move Water Line in Colfax due to Development (Along western & southern property line) (estimate) | | \$20,000 | \$380,000 | | | | | | \$400,000 |
| | | | | | | | | | \$0 |
| | | | | | | | | | \$0 |
| | | | | | | | | | \$0 |
| Water Treatment Plant Improvements??? | | | | | | | | | \$0 |
| | | | | | | | | | \$0 |
| <i>Total Water Fund</i> | | \$393,000 | \$1,655,000 | \$1,025,000 | \$780,000 | \$550,000 | \$0 | | \$4,403,000 |

| Storm Water Improvements | Funding Source | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2026/27 | FUTURE | TOTALS |
|----------------------------------------------------------------------------------------------------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|
| ??? | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| Total Storm Water Improvements | | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Sanitary Sewer Improvements | Funding Source | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2026/27 | FUTURE | TOTALS |
| Lift Station Improvements, Pump upsizing (Currently designing recommendation, will know more information soon) | | | | | | | | \$0 |
| Ongoing Sewer Cleaning/Maintenance | | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$120,000 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| Sanitary Treatment Plant Improvements??? | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| Total Sanitary Sewer Fund | | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$20,000 | \$120,000 |
| Parks Improvements | Funding Source | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2026/27 | FUTURE | TOTALS |
| Tennis Court Rebuild, Concrete | Wellmark/ City Match | | \$100,000 | | | | | \$100,000 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| | | | | | | | | \$0 |
| Total Parks Fund | | \$0 | \$100,000 | \$0 | \$0 | \$0 | \$0 | \$100,000 |

Speed Camera each year - approx \$900,000/yr (~\$75,000/mo)
Streets Revenues each year - \$X debt service levy = approx \$251,432.56 RUT - GO/X yrs
Sanitary Revenues each year - approximately \$XXXXXX/yr
Water Revenues each year - approximately \$XXXXXX/yr
Storm Revenues each year - approximately \$XXXXX/yr

Total \$11,009,500

RESOLUTION 7-13-22-2
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 August 2022, Prairie City Council Meeting will be August 10, 2022, at 6:00 p.m., at Prairie City Council Chambers at City Hall and via Zoom.

Approved and adopted this 13th Day of July, 2022.

Eric Imerman, Mayor

ATTEST

Jodie Wyman, City Administrator/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.***

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, 1st day of June, 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. 7-13-22-3

RESOLUTION WAIVING THE THIRD READING 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 third reading of Ordinance 389.

This resolution has been approved and adopted this 13th Day of July, 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

Page 1

FACILITY INFORMATION

| | | |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Facility: | Name: <u>City of Prairie City Wastewater Treatment Plant</u> | Plant Grade: <u>WW3</u> |
| | Responsible Authority/Owner: <u>City of Prairie City</u> | |
| | Address: <u>PO Box 607</u> | Phone: <u>515-994-2649</u> |
| Responsible Operator: | City: <u>Prairie City</u> | State: <u>Iowa</u> Zip: <u>50228</u> |
| | Name: <u>Carl Van Der Kamp</u> | Grade: <u>WW3</u> Certification Number: <u>5587</u> |
| | | |
| General Description: | <p>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.</p> | |
| Design Capacity: | Average MGD: <u>0.7800 (AWW)</u> Maximum MGD: <u>1.19</u> Pounds BOD/Day: <u>539</u> PE (BOD): <u>3228</u> | |
| Now Treating: | Average MGD: <u>0.38778</u> Maximum MGD: <u>1.35 (May 2019)</u> Pounds BOD/Day: <u>203</u> PE (BOD): <u>1216</u> Period Reviewed: <u>6/2017-3/2022</u> Population Served: <u>1700</u> | |
| Receiving Stream: | <u>Calhoun Creek, tributary to Des Moines River</u> | |

INSPECTION INFORMATION

| | | |
|-----------------------------|-----------------------------------------------------|-----------------------------------------|
| Inspection: | Date and Time of Inspection: <u>4/15/2022 @1230</u> | Purpose: <u>Routine Compliance</u> |
| Persons Interviewed: | Date of Last Inspection: <u>6/21/2017</u> | |
| | Name: <u>Carl Van Der Kamp</u> | Title: <u>Wastewater Superintendent</u> |
| | Name: <u>Jake Nolin</u> | Title: <u>Operator-in-training</u> |

NPDES PERMIT COMPLIANCE SUMMARY

| | | | |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Self-Monitoring: Effluent Limitations: Samples this Inspection: | Operation Reports Submitted: | Required Data on Reports: | Testing Adequacy: |
| | <input checked="" type="checkbox"/> Sat. <input type="checkbox"/> Marg.* <input type="checkbox"/> Unsat.* | <input checked="" type="checkbox"/> Sat. <input type="checkbox"/> Marg.* <input type="checkbox"/> Unsat.* | <input checked="" type="checkbox"/> Sat. <input type="checkbox"/> Marg.* <input type="checkbox"/> Unsat.* |
| | Self-Monitoring Results: | | |
| | <input checked="" type="checkbox"/> Compliance <input type="checkbox"/> Infrequent Non-Compliance* <input type="checkbox"/> Significant Non Compliance* | | |
| | Type: <u>None</u> | Lab Data Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Results: <input type="checkbox"/> Sat. <input type="checkbox"/> Marg.* <input type="checkbox"/> Unsat.* |
| Visual Appearance of Effluent & Receiving Stream: <u>No discharge occurring during this insp.</u> | | | |
| Visual Appearance of Receiving Stream: <u>No visual impacts observed</u> | | | |

* Additional details in the narrative report

AUTHENTICATION

| | | | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|
| Inspector: | Janet Gastineau, Environmental Specialist Senior Janet A. Gastineau <small>Digitally signed by Janet A. Gastineau Date: 2022.05.06 10:03:16 -0500</small> | | Date: <u>4/29/2022</u> |
| | Name & Title: <u>Gastineau</u> | | |
| Reviewer: | Name & Title: <u>Tom Atkinson, Environmental Specialist Senior</u> | | Date: <u>5/2/2022</u> |

**Iowa Department of Natural Resources
Wastewater Treatment Facility Inspection Form**

NPDES Permit #: 5064001

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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 | Item | Yes | No |
|----------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|
| 1. Collection System | | | 9. Sludge Handling and Disposal | | |
| a. Operation and Maintenance | <input checked="" type="checkbox"/> | <input type="checkbox"/> | a. Operation and Maintenance | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Dry Weather Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Infiltration/Inflow | <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e. Bypass(es) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | e. Final Disposal, Solids | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Lift Station(s) (Collection System) | | | f. Final Disposal, Liquids | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a. Operation and Maintenance | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Lagoon Structures | | |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Maintenance | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Reliability/Emergency Operation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Industrial Waste Pre-Treatment | | | d. Cell Configuration | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a. Significant Industrial Users | <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Storage/Drawdown Management | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Waste Toxicity/ Compatibility | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11. Flow Measurement | | |
| c. Strength Reduction | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Operation and Maintenance | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d. Effect on Treatment Plant | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Preliminary Treatment | | | c. Continuity | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a. Operation and Maintenance | <input checked="" type="checkbox"/> | <input type="checkbox"/> | d. Location, Method/ Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 12. Pumping | | |
| c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Operation and Maintenance | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Primary Treatment | | | c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a. Operation and Maintenance | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | d. Reliability/ Emergency Operation | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 13. Miscellaneous | | |
| c. Capacity | <input type="checkbox"/> | <input type="checkbox"/> | a. Location | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Sludge/Scum Removal | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Odors | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e. Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Emergency Operation | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Secondary Treatment | | | d. Bypass(es) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a. Operation and Maintenance | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | e. Equipment | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Buildings & Grounds | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | g. Laboratory | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Recirculation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | h. Other | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e. Freezing | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 14. Staffing, Operator Certification | | |
| f. Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Operator, Direct Responsibility | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Final Settling | | | b. Shift Operator(s) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| a. Operation and Maintenance | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | c. General Staffing | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 15. Supplementary | | |
| c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Permit Availability | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Operation Reports Availability | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Supplementary Treatment | | | c. Equipment Records Maintenance | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| a. Operation and Maintenance | <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. Previously Noted Deficiencies | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. Physical Condition | <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Improvements | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c. Capacity | <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Domestic/Industrial Growth | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d. Effectiveness | <input type="checkbox"/> | <input checked="" type="checkbox"/> | g. Recommendations | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | | | h. Required Actions | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Iowa Department of Natural Resources
Wastewater Treatment Facility Inspection Form

Facility Name: Prairie City
NPDES Permit #: 5064001

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Inspection Date: 6/21/2017

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 is 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 or 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 STRUCTURES: 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

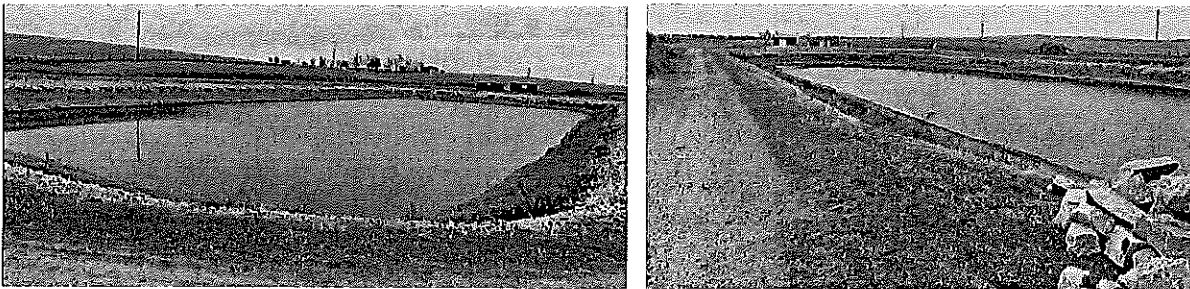
1. Comply with effluent permit limitations at all times. [567 IAC 64.3(1)]
2. Stabilize grease skimmings, screenings, and grit with hydrated lime prior to disposal. [567 IAC 109.11(3)]
3. Update the land application plan when sludge disposal becomes necessary. [567 IAC 67.4]

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 #1A0033073 | | Outfall: 001 | | DAILY MINIMUM - Limit | | DAILY MINIMUM - DMR | | DAILY MINIMUM - Limit | | DAILY MINIMUM - DMR | | Parameter Monthly Total | |
|--------------|--------|----------------|---|--------------|--|-----------------------|--|---------------------|--|-----------------------|--|---------------------|--|-------------------------|---|
| 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 |
| 12/2017 | DO MIN | | 5 | 4.93 | | | | | | | | | | | 1 |
| 1/2018 | DO MIN | | 5 | 4.4 | | | | | | | | | | | 1 |
| 2/2018 | DO MIN | | 5 | 4.54 | | | | | | | | | | | 1 |
| 3/2018 | DO MIN | | 5 | 4.63 | | | | | | | | | | | 1 |
| 4/2018 | DO MIN | | 5 | 4.45 | | | | | | | | | | | 1 |
| 5/2018 | DO MIN | | 5 | 4.17 | | | | | | | | | | | 1 |
| 6/2018 | DO MIN | | 5 | 4.76 | | | | | | | | | | | 1 |
| 7/2018 | DO MIN | | 5 | 4.52 | | | | | | | | | | | 1 |
| 8/2018 | DO MIN | | 5 | 4.19 | | | | | | | | | | | 1 |
| 9/2018 | DO MIN | | 5 | 4.28 | | | | | | | | | | | 1 |
| 10/2018 | DO MIN | | 5 | 6.5 | | | | | | | | | | | 1 |
| 11/2018 | DO MIN | | 5 | 4.98 | | | | | | | | | | | 1 |
| 12/2018 | DO MIN | | 5 | 4.87 | | | | | | | | | | | 1 |
| 1/2019 | DO MIN | | 5 | 4.2 | | | | | | | | | | | 1 |
| 2/2019 | DO MIN | | 5 | 4.31 | | | | | | | | | | | 1 |
| 3/2019 | DO MIN | | 5 | 4.47 | | | | | | | | | | | 1 |
| 4/2019 | DO MIN | | 5 | 4.69 | | | | | | | | | | | 1 |
| 5/2019 | DO MIN | | 5 | 4.83 | | | | | | | | | | | 1 |
| 6/2019 | DO MIN | | 5 | 4.65 | | | | | | | | | | | 1 |
| 7/2019 | DO MIN | | 5 | 4.34 | | | | | | | | | | | 1 |
| 8/2019 | DO MIN | | 5 | 4.15 | | | | | | | | | | | 1 |
| 9/2019 | DO MIN | | 5 | 4.74 | | | | | | | | | | | 1 |
| 10/2019 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 11/2019 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 12/2019 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 1/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 2/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 3/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 4/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 5/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 6/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 7/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 8/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 9/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 10/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 11/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 12/2020 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 1/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 2/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 3/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 4/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 5/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 6/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 7/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 8/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 9/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |
| 10/2021 | DO MIN | | 5 | | | | | | | | | | | | 1 |

Total: 28

Total Violations: 28