

Clearwater Sustainability Program

2022 Annual Report to HOVMSD

October 16, 2023



Submitted By:
Jeffrey Bodoh
City of Kaukauna Engineering

Clearwater Sustainability Program 2022 Annual Report

CONTENTS

- 1) CMAR
- 2) WDNR Response
- 3) Construction and Non-Construction I&I Reduction Projects
- 4) Local Ordinance Changes
- 5) CMOM Updates and Changes

Section 1: 2022 CMAR

The City of Kaukauna submits a Compliance Maintenance Annual Report to Wisconsin DNR. Per Wisconsin DNR: Chapter NR 208, Wis. Adm. Code is more commonly known as the Compliance Maintenance Annual Report (CMAR) rule for publicly and privately owned domestic wastewater treatment works. The CMAR is a self-evaluation tool that promotes the owner's awareness and responsibility for wastewater collection and treatment needs, measures the performance of a wastewater treatment works during a calendar year, and assesses its level of compliance with permit requirements.

This report provides the following information to help:

- Describes the management and physical condition of the wastewater treatment works during the previous calendar year.
- Assesses system performance and wastewater maintenance activities.
- Evaluates compliance with WPDES permit requirements
- Provides an objective analysis to determine whether a more detailed evaluation of the wastewater facility is needed.
- Identifies proposed actions necessary to maintain regulatory compliance.

City of Kaukauna has achieved an overall grade of "A" in 2022, which requires no formal corrective actions. A Resolution acknowledging that the report is complete and reviewed is required and was adopted by the Common Council. Recommended collection system response and an overall comment/action items from the Council acknowledging the need to continue improvements to City sanitary sewer collection system was approved. A copy of the 2022 CMAR is attached to this section.

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

 Last Updated: Reporting For:
 5/30/2023 **2022**

Financial Management

1. Provider of Financial Information

Name:

William Van Rossum

Telephone:

(920) 766-6312

(XXX) XXX-XXXX

E-Mail Address
(optional):

wvanrossum@kaukauna-wi.org

2. Treatment Works Operating Revenues

2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?

- ☒ Yes (0 points) ☐
☐ No (40 points)

If No, please explain:

 2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?
 Year:

2022

- ☒ 0-2 years ago (0 points) ☐
☐ 3 or more years ago (20 points) ☐
☐ N/A (private facility)

2.3 Did you have a special account (e.g., CWF required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

- ☒ Yes (0 points)
☐ No (40 points)

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

3.1 When was the Equipment Replacement Fund last reviewed and/or revised?

Year:

2022

- ☒ 1-2 years ago (0 points) ☐
☐ 3 or more years ago (20 points) ☐
☐ N/A

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

3.2.1 Ending Balance Reported on Last Year's CMAR

\$ 6,192,743.00

3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)

\$ 2,170,202.00

3.2.3 Adjusted January 1st Beginning Balance

\$ 4,022,541.00

3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)

\$ 3,702,029.00

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

 Last Updated: Reporting For:
 5/30/2023 **2022**

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 3,693,697.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 4,030,873.00

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

2022 Sanitary Sewer Budget, shows 2022 expenses. Detailed ledger is available upon request.

3.3 What amount should be in your Replacement Fund? \$ 1.00

0

Please note: If you had a CWFP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

● Yes

○ No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

● Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

○ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	Desnoyer Street Area Utility Relay	\$1,250,000	2025
2	Kenneth Ave/3rd Street Area	\$600,000	2024
3	Manhole Lining/Repair Project	\$50,000	2023
4	Reaume Ave Area	\$950,000	2023
5	Presidential Streets Phase 1 of 2	\$700,000	2025
6	Presidential Streets Phase 2 of 2	\$800,000	2026
7	Lift Station Force Main Upgrades	\$200,000	2023
8	River Street Sanitary Sewer and Easement CIPP	\$150,000	2024
9	Thilmany Interceptor	\$90,000	2024
10	CE Lift Station Interceptor to KHS	\$400,000	2023

5. Financial Management General Comments

None

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 7

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:
5/30/2023 2022

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	10,093	
February	10,178	
March	9,632	
April	12,020	
May	11,536	
June	11,548	
July	12,979	
August	12,372	
September	12,543	
October	12,369	
November	12,242	
December	12,376	
Total	139,888	0
Average	11,657	0

6.1.2 Comments:

The electric usage was higher than 2021 due to a change of electric meters.
2021 had 119,227 total and 11,657 average.

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- ☐ Comminution or Screening
- ☐ Extended Shaft Pumps
- ☒ Flow Metering and Recording
- ☐ Pneumatic Pumping
- ☐ SCADA System
- ☒ Self-Priming Pumps
- ☒ Submersible Pumps
- ☐ Variable Speed Drives
- ☐ Other:

6.2.2 Comments:

6.3 Has an Energy Study been performed for your pump/lift stations?

● No

○ Yes

Year:

By Whom:

Describe and Comment:

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:
5/30/2023 2022

6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

During systematic upgrades to lift stations, energy efficiency will be a determining factor for equipment.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:
5/30/2023 2022

Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- ☒ Yes
- ☐ No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- ☒ Yes
- ☐ No (30 points)
- ☐ N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

- ☒ Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Specific 2022 Numerical Goals and Results are found in Appendix IV of the city CMOM. A summary is attached.
Overall System goals:

- 1) No sanitary sewer overflows
- 2) No basement backups due to lack of mainline maintenance
- 3) No infrastructure failure (street or sewer collapse) due to lack of maintenance
- 4) Maintain capacity for community and industrial growth within the City and HOVMSD interceptor
- 5) Review and update City Sewer Use Ordinance and maintain compliance with WIDNR and HOVMSD ordinances
- 6) Assist HOVMSD in implementation of a FOG control program.
- 7) Continue to identify and eliminate illegal sump discharges, cross connections, and other illicit connections
- 8) Design and implement an on going sewer condition evaluation program
- 9) Maintain an adequate budget to perform necessary maintenance of sewer system
- 10) Maintain and update records to ensure accurate and efficient data management

Did you accomplish them?

- ☐ Yes
- ☒ No

If No, explain:

Experienced 1 basement backup in 2022 - related to system maintenance. We believe the change in maintenance schedule for this area will prevent future backups.

- ☒ Organization [NR 210.23 (4) (b)] ☐

Does this chapter of your CMOM include:

- ☒ Organizational structure and positions (eg. organizational chart and position descriptions)
- ☒ Internal and external lines of communication responsibilities
- ☒ Person(s) responsible for reporting overflow events to the department and the public

- ☒ Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Municipal Ordinance-Sewer Use Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2022-12-06

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

 Last Updated: Reporting For:
 5/30/2023 **2022**

Does your sewer use ordinance or other legally binding document address the following:

- ☒ Private property inflow and infiltration
- ☒ New sewer and building sewer design, construction, installation, testing and inspection
- ☒ Rehabilitated sewer and lift station installation, testing and inspection
- ☒ Sewage flows satellite system and large private users are monitored and controlled, as necessary
- ☒ Fat, oil and grease control
- ☒ Enforcement procedures for sewer use non-compliance
- ☒ Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- ☒ Equipment and replacement part inventories
 - ☒ Up-to-date sewer system map
 - ☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
 - ☒ A description of routine operation and maintenance activities (see question 2 below)
 - ☐ Capacity assessment program
 - ☒ Basement back assessment and correction
 - ☒ Regular O&M training
 - ☒ Design and Performance Provisions [NR 210.23 (4) (e)] ☐ ☐
- What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?
- ☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
 - ☒ Construction, Inspection, and Testing
 - ☐ Others:

0

- ☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)] ☐ ☐

Does your emergency response capability include:

- ☒ Responsible personnel communication procedures
- ☒ Response order, timing and clean-up
- ☒ Public notification protocols
- ☐ Training
- ☐ Emergency operation protocols and implementation procedures
- ☒ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)] ☐ ☐
- ☐ Special Studies Last Year (check only those that apply):
- ☐ Infiltration/Inflow (I/I) Analysis
- ☐ Sewer System Evaluation Survey (SSES)
- ☐ Sewer Evaluation and Capacity Management Plan (SECAP)
- ☐ Lift Station Evaluation Report
- ☐ Others:

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	13.58	% of system/year
Root removal	0	% of system/year
Flow monitoring	100	% of system/year
Smoke testing	0	% of system/year

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

 Last Updated: Reporting For:
 5/30/2023 **2022**

Sewer line televising	4.91	% of system/year
Manhole inspections	14.96	% of system/year
Lift station O&M	2	# per L.S./year
Manhole rehabilitation	1.0	% of manholes rehabbed
Mainline rehabilitation	1.2	% of sewer lines rehabbed
Private sewer inspections	1.61	% of system/year
Private sewer I/I removal	2.43	% of private services
River or water crossings	100	% of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

28.66	Total actual amount of precipitation last year in inches
31.08	Annual average precipitation (for your location)
86	Miles of sanitary sewer
7	Number of lift stations
0	Number of lift station failures
0	Number of sewer pipe failures
1	Number of basement backup occurrences
32	Number of complaints
2.78	Average daily flow in MGD (if available)
4.16	Peak monthly flow in MGD (if available)
11.66	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.01	Basement backups (number/sewer mile)
0.37	Complaints (number/sewer mile)
1.5	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
4.2	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:

5/30/2023

2022
LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)
5.1 Was infiltration/inflow (I/I) significant in your community last year?
☒ Yes

☐ No

If Yes, please describe:

I&I could be detected at metering stations, specifically after rain events and changes in river level.

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?
☐ Yes

☒ No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

Approximately 5,900 feet of deteriorated clay, concrete, and truss main and approximately 158 service laterals were replaced or rehabilitated as part of the City's rehabilitation projects in 2022. In addition, some temporary manhole improvements were made in the river to reduce inflow.

5.4 What is being done to address infiltration/inflow in your collection system?

The City has systematically replacing the collection system, including main and laterals to the home. Televising and flow monitoring continue to identify priority areas for rehabilitation. Clearwater inspections are performed on a 10 year cycle in all homes and businesses; and also, at time reconstruction projects in each neighborhood. Mini-Storm and storm sewer lateral installations, along with mandatory sump pump connections have also helped decrease I&I cross connections. Additional work on river manholes is scheduled for 2023.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:
5/30/2023 2022

Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			4	16
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

- A = Voluntary Range (Response Optional)
- B = Voluntary Range (Response Optional)
- C = Recommendation Range (Response Required)
- D = Action Range (Response Required)
- F = Action Range (Response Required)

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:
5/31/2023 2022

Resolution or Owner's Statement

Name of Governing
Body or Owner:

City of Kaukauna

Date of Resolution or
Action Taken:

2023-06-06

Resolution Number:

2023-5389

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4.00

Compliance Maintenance Annual Report

Kaukauna Sewage Collection System

Last Updated: Reporting For:

6/14/2023

2022

DNR Response to Resolution or Owner's Statement

Name of Governing
Body or Owner:

City of Kaukauna

Date of Resolution or
Action Taken:

2023-06-06

Resolution Number:

2023-5389

Date of Submittal:

6/14/2023

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

Permittee Response:

DNR Response:

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

Permittee Response:

Continued systematic inspection, rehabilitation and replacement of sanitary sewer collection system to achieve zero sanitary sewer overflows and assure capacity of the system for future growth.

DNR Response:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4

Permittee Response:

DNR G.P.A. Response:

DNR CMAR Overall Response:

Thank you for submitting the 2022 CMAR on time. The Department is appreciative of all of your efforts to implement your CMOM.

DNR Reviewer: Oumarou, Barti

Phone: (920) 424-4013

Address: 625 E County Road Y Ste 700, Oshkosh, WI 54901-9731

Date: 8/8/2023

RESOLUTION NO. 2023-5389

2022 COMPLIANCE MAINTENANCE ANNUAL REPORT (CMAR) RESOLUTION

WHEREAS, it is a requirement under a Wisconsin Pollutant Discharge Elimination System (WPDES) permit issued by the Department of Natural Resources for the governing body to file a Compliance Maintenance Annual Report (CMAR) for its wastewater collection system under Wisconsin Administrative Code NR 208:

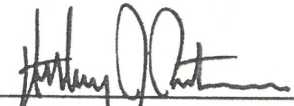
WHEREAS, the governing body has reviewed the Compliance Maintenance Annual Report (CMAR);

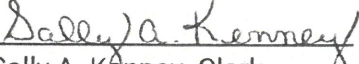
WHEREAS, it is necessary to provide recommendations or an action response plan for the Collection Systems CMAR section grades of "C" or less and/or an overall grade point average <3.00, or if a Sanitary Sewer Overflow was reported;

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Kaukauna that the following recommendations or actions will be taken to address or correct problems/deficiencies of the wastewater treatment or collection system as identified in the Compliance Maintenance Annual Report (CMAR):

- 1) Continue systematic inspection, rehabilitation, and replacement of sanitary sewer collection system to achieve zero sanitary sewer overflows and assure capacity of the system for future growth.

Introduced and adopted this 6th day of June 2023.

APPROVED: 
Anthony J. Penterman, Mayor

ATTEST: 
Sally A. Kenney, Clerk

Section 3: Construction and Non-Construction I&I Reduction Projects

2022 Construction Projects

Project 1-22 Concrete Street Paving

This project incorporated the installation of 12 internal manhole chimney seals in newly paved areas, including White Wolf Lane, Gray Squirrel Lane, Red Fox Lane, White Birch Lane and Island Street.

There were also 67 storm sewer laterals installed as part of the paving project.

Project 2-22 Kenneth Avenue Area Utility Relay

This project included a sanitary sewer main and lateral relay on Sullivan Avenue, Hendricks Avenue, Main Avenue, Whitney Street, Sixth Street, Seventh Street, and Eighth Street as well as replacement of sewer in adjacent easements. Approximately 1,076 lineal feet of 12" sanitary sewer, 444 lineal feet of 10" sanitary sewer, 3,928 lineal feet of 8" sanitary sewer, 9,467 lineal feet of private lateral pipe (121 homes) and 194 vertical feet of sanitary manholes replaced the existing deteriorated clay pipe sanitary sewer system. A map of the project area is attached to this section.

Project 12-22 Grignon Stream Restoration Project

This project included replacing the sanitary sewer that runs through Grignon Park, along and crossing under a stream corridor. Approximately 1,310 feet of 12" sanitary sewer and 82 vertical feet of sanitary manholes replaced the existing deteriorated pipes and manholes.

2022 Non-Construction Projects

On-going Clearwater (Illicit Cross Connection) Inspections

In addition to inspection of private laterals by City staff in reconstruction project limits, the City contracts with Kaukauna Utilities (KU) to perform Clearwater inspections while they are in a property for Cross Connection Control and Backflow Prevention inspections.

In 2022, the City inspected 134 homes and businesses for illicit connections; we found and issued orders repairs for 3 violations. Violations included a variety of issues including, non-compliant private sewer lateral and sump to floor drain connections.

Sewer Cleaning and Inspections

The one of major areas of sewer main cleaning in 2022 was between Brothers Street on the south, Walnut Street on the north, Lawe Street on the east and George Street to the west. The other area was between Marie on the north, Joyce Street/Gertrude Street to the south, Alyssa Street to the east and Harrison Street to the west. The last area is between Loderbauer Road to the west, Haas Road to the east, CTH CE to the north and Bear Paw Trail to the south. CCTV inspections include annual televising contract in various areas (see CCTV map), post televising for the sewer rehab areas and some miscellaneous lines that were suspect of having issues. 23,174 lineal feet of sewer main and 139 laterals were televised in 2022. See maps at the end of this section.

2022 Project Area

NEW CONSTRUCTION:

RED FOX LANE, GREY SQUIRREL LANE, WHITE BIRCH STREET



2022 Project Area

NEW CONSTRUCTION:

WHITE WOLF LANE



2022 Project Area

RE-CONSTRUCTION:

ISLAND STREET



2022 Project Area

NEW CONSTRUCTION:

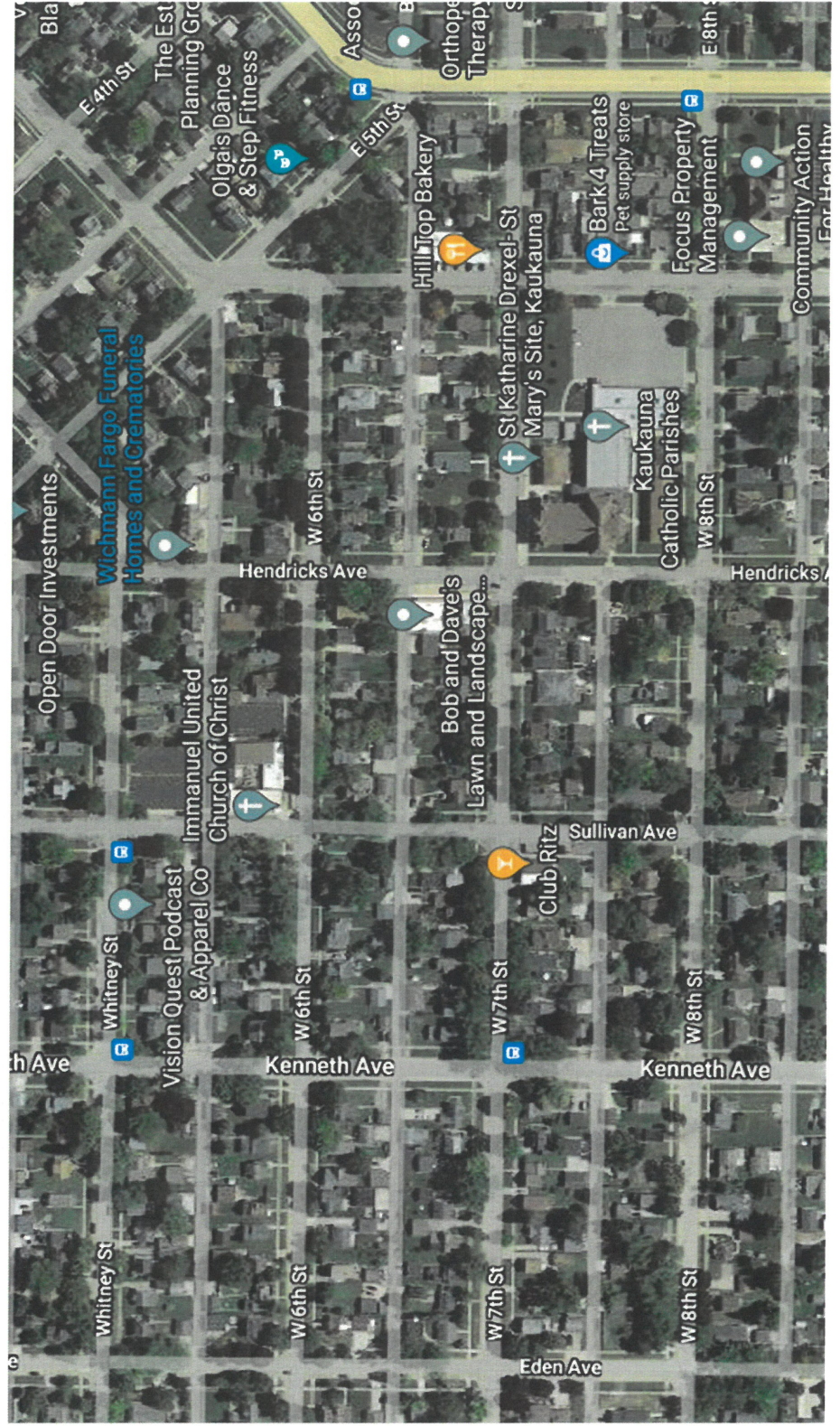
Wellhouse Drive



2022 Project Area

UTILITY RELAY:

EIGHTH STREET, SEVENTH STREET, SIXTH STREET, WHITNEY STREET, WHITNEY STREET AND MAIN AVENUE



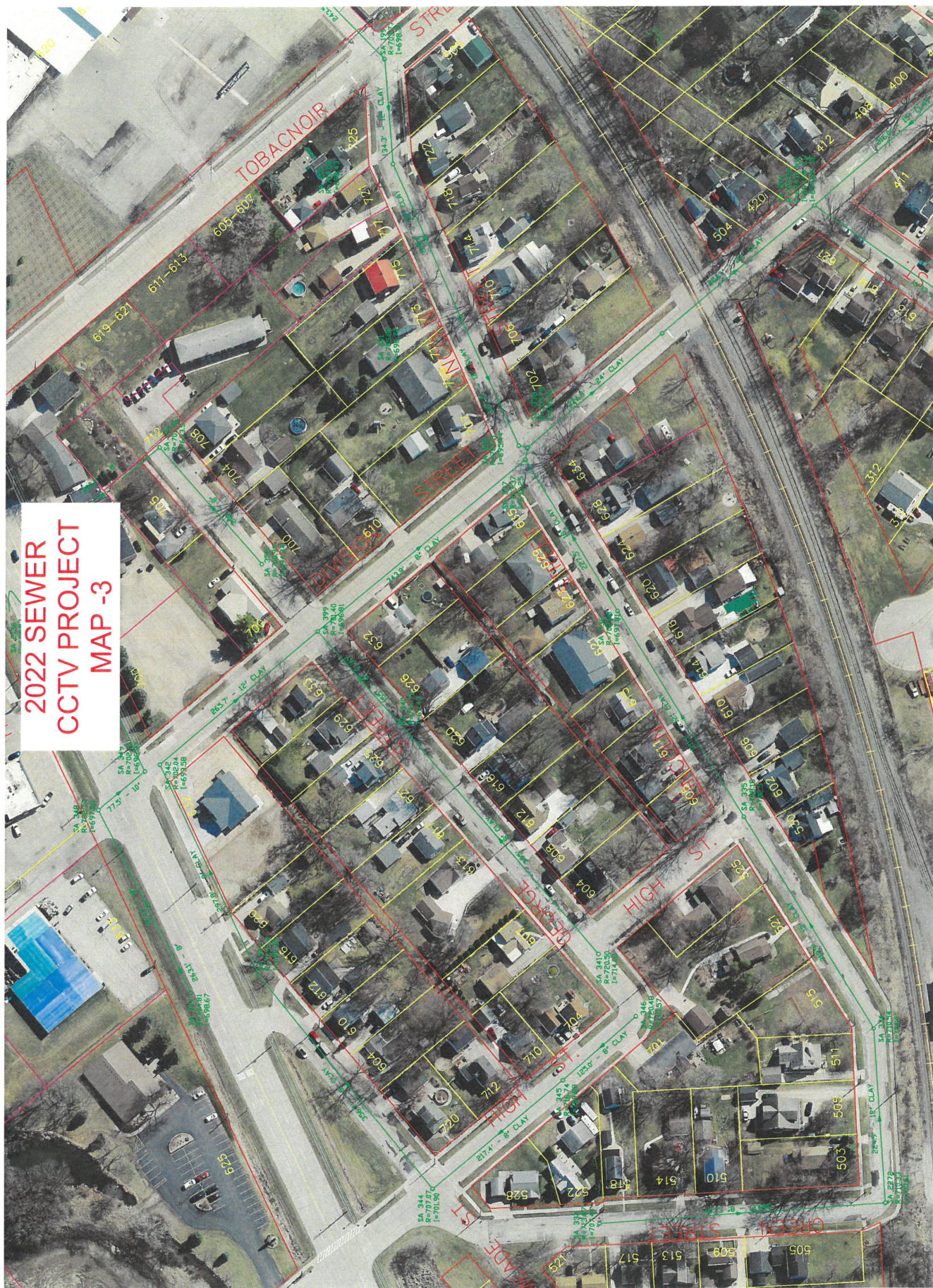
2022 SEWER
CCTV PROJECT
MAP -1



2022 SEWER
CCTV PROJECT
Map -2



2022 SEWER
CCTV PROJECT
MAP -3



Section 4: Local Ordinance Changes

Ordinance number 1873, amending Section 13.05(5)(A) and Section 13.05(5)(B) of the Kaukauna Municipal Code changed the user charge from \$7.00 per 100 cubic feet to \$8.00 per 100 cubic feet.

Section 5: CMOM Updates and Changes

The CMOM Plan is a working document that will require updates based upon annual reviews and performance of the system. The annual audit of the CMOM plan will be an important part of maintaining a high level of sewer service and sewer capacity. Reviews will occur in December of each calendar year.

There were no major updates/changes to the CMOM program in 2022. The City did update the appendix for annual maintenance goals and performance measures for 2022. An updated table is attached to the end of this section.

ANNUAL MAINTENANCE GOALS AND PERFORMANCE MEASURES						
2022						
Sewer Mainline O&M						
MAINTENANCE ITEM						
GOAL	% of System	2020	2021	2022	Comments	
4-mile-per-year- 5% of system per year	5.0%	22,650 ft (5%)	25,239 ft (5.6%)	17,250 ft(4.9%)	Project Areas, Subd., CCTV	
Main Line Rehabilitation and Replacement	1.2%	7,200 ft (1.6%)	6,468 ft (1.4%)	5,910 ft (1.2%)	Utility Relays on8th, 7th, 6th, Whitney, Sullivan, Hendricks & Main	
Clean Main Line Sewers	12%	139,100ft (31%)	82,075 ft (18%)	61,682 ft (12.5%)	Approx. 25% of Branch lines per year	
Root Cutting	TBD	5%	0%	0%		
Flow Monitoring	TBD	0%	0%	0%	100% metered at meter stations and lift stations -Discuss future metering options for project areas	
Dye Test /Smoke Test	TBD	0 ft	0 ft	0 ft		
Manholes O&M						
MAINTENANCE ITEM						
GOAL	% of System	2020	2021	2022	Comments	
Visual Inspection of Critical and Easement MHs	100%	100%	100%	100%		
Visual Inspection of standard MHs	25%	660 (35%)	465 (25%)	300 (15%)	Sewer Crew + CCTV + Project Areas	
Manhole Rehabilitation/Replacement	2%	26 (1.3%)	41 (2.1%)	16 (1%)	Paving and Lining	
Lift Station O&M						
MAINTENANCE ITEM						
GOAL	# Per Year	2020	2021	2022	Comments	
Lift Station Inspections	104 per lift station	104	104	104		
Lift Station O&M Check	52 per lift station	52	52	52		
Clean and Degrease Lift Stations	2 per lift station	3	2	2		
Easement O&M						
MAINTENANCE ITEM						
GOAL	% of System	2020	2021	2022	Comments	
Visual Inspection of Easements	100%	100%	100%	100%		
Easement Maintenance	As needed	NA	NA	NA		
Private Lateral O&M						
MAINTENANCE ITEM						
GOAL	#	2020	2021	2022	Comments	
Visual Inspection of Laterals	Varies	100%(14)	100% (109)	100%(139)		
Replace Private Laterals	Varies	100% (14 of 14)	85% (64 of 75)	88%(139 of 158)		
Inspect Private Properties for Illicit Connections	Inspect all properties within a 10 year cycle	10%	2%	2.3%	Mostly performed by Building Insp. & ENG - KU also performed 29.	

RESOLUTION NO. ____

**Resolution Accepting the City of Kaukauna
2022 Annual Clearwater Sustainability Program Report to the
Heart of the Valley Metropolitan Sewerage District (HOVMSD)**

WHEREAS, it is a requirement of the HOVMSD that member communities file an annual report as part of its Clearwater Sustainability Program; and

WHEREAS, the governing body of the City of Kaukauna has reviewed the annual report to the HOVMSD; and

WHEREAS, the annual report contains the following components as required by the HOVMSD:

1. CMAR as submitted to the WDNR
2. WDNR response to CMAR
3. Summary of construction and non-construction inflow/infiltration reduction projects
4. Local ordinance changes related to inflow/infiltration
5. CMOM updates or changes

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Kaukauna that the report prepared by the City of Kaukauna Engineering Department has been accepted and shall be forwarded to the HOVMSD as per HOVMSD requirements.

Introduced and adopted this 17th day of October, 2023.

APPROVED: _____
Anthony J. Penterman, Mayor

ATTEST: _____
Sally Kenney, Clerk