

STATE OF WISCONSIN

VILLAGE OF PEWAUKEE WAUKESHA COUNTY

RESOLUTION NO. 2023-08

**RESOLUTION REGARDING THE WISCONSIN DEPARTMENT OF  
NATURAL RESOURCES REPORTING YEAR 2022 COMPLIANCE  
MAINTENANCE ANNUAL REPORT**

**WHEREAS**, it is a requirement under a Wisconsin Pollutant Discharge Elimination system (WPDES) permit issued by the Wisconsin Department of Natural Resources to file a Compliance Maintenance Annual Report (CMAR) for its wastewater treatment/wastewater collection system under Wisconsin Administrative Code NR208, and

**WHEREAS**, it is necessary to acknowledge that the governing body has reviewed the Compliance Maintenance Annual Report; and

**WHEREAS**, it is necessary to provide recommendations or an action response plan for all individual CMAR section grades (of "C" or less) and/or an overall grade point average (<3.00);


**NOW, THEREFORE, BE IT RESOLVED** by the Village Board of the Village of Pewaukee that the following actions will be taken to address or correct problems/deficiencies of the collection system as identified in the Compliance Maintenance Annual Report;

Recommended Actions:           None required, grade of "A"

ADOPTED June 20, 2023

  
\_\_\_\_\_  
Jeff Knutson, Village President

ATTEST:

  
\_\_\_\_\_  
Casandra Smith, Village Clerk

### Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023

Reporting For: 2022

#### Financial Management

1. Provider of Financial Information  
 Name: Shawn Tremaine  
 Telephone: (262) 613-5835  
 E-Mail Address (optional): stremaine@villageofpewaukee.wi.gov

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., CWFP 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**  
 \$ 469,048.63 + \$ 35,595.43  
 3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)  
 3.2.3 Adjusted January 1st Beginning Balance \$ 504,644.06  
 3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.) \$ 0.00

### Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023

Reporting For: 2022

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box  
 3.2.6.1 below\*) \$ 0.00  
 3.2.6 Ending Balance as of December 31st for CMAR Reporting Year \$ 504,644.06  
 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.  
 N/A

3.3 What amount should be in your Replacement Fund? \$ 340,659.52  
 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	Replacement of Koppmeier lift station.	\$650,000	2024
2	Savoy Ct Relay	\$90,000	2023
3	Prospect Ave sanitary sewer relay	\$125,000	2023
4	Glacier and W. Wisconsin rehab and replacement	\$420,000	2024

5. Financial Management General Comments

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: 5

### Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023 Reporting For: 2022

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	40,511	1,184
February	32,741	1,439
March	34,253	1,102
April	47,828	883
May	36,784	408
June	33,294	169
July	30,367	75
August	25,506	37
September	34,139	102
October	30,285	498
November	33,850	656
December	42,254	1,192
<b>Total</b>	<b>421,812</b>	<b>7,745</b>
<b>Average</b>	<b>35,151</b>	<b>645</b>

6.1.1.2 Comments:

#### 6.2 Energy Related Processes and Equipment

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

- Commutation 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

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023 Reporting For: 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?  
Kopmeier will be replaced in it's entirety will all new pumps and facilities.

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023

Reporting For: 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:

Televise 15%, Yes, 16%

Jetting 15%, Yes, 18%

MH Inspections 15%, No, 11%

Rehab based on inspections, Yes

Optimized use of GIS, Yes

Evaluate Safety Program, Yes

Evaluate Customer Service and Education, Yes

Integrate CMOM into budget, Yes

Did you accomplish them?

Yes

No

If No, explain:

MH inspection goal was not met as a result of being understaffed

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?

Ch 90B, Village Ord.

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

2013-12-17

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

# Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023

Reporting For: 2022

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

Basemnt 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

% of system/year

Root removal

% of system/year

Flow monitoring

% of system/year

Smoke testing

% of system/year

Sewer line televising

% of system/year

Manhole inspections

% of system/year

Lift station O&M

# per L.S./year

Manhole rehabilitation

% of manholes rehabbed

Mainline rehabilitation

### Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: Reporting For:  
6/15/2023 2022

Private sewer inspections  % of sewer lines rehabbed

Private sewer I/I removal  % of system/year

River or water crossings  % of private services

% 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.

38.8 Total actual amount of precipitation last year in inches

34.6 Annual average precipitation (for your location)

35.64 Miles of sanitary sewer

5 Number of lift stations

0 Number of lift station failures

0 Number of sewer pipe failures

1 Number of basement backup occurrences

1 Number of complaints

1.34 Average daily flow in MGD (if available)

1.72 Peak monthly flow in MGD (if available)

Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.09 Lift station failures (failures/year)

0.00 Sewer pipe failures (pipe failures/sewer mile/yr)

0.00 Sanitary sewer overflows (number/sewer mile/yr)

0.03 Basement backups (number/sewer mile)

0.03 Complaints (number/sewer mile)

1.3 Peaking factor ratio (Peak Monthly:Annual Daily Avg)

0.0 Peaking factor ratio (Peak Hourly:Annual Daily Avg)

#### 4. Overflows

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:

### Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: Reporting For:  
6/15/2023 2022

Increase LS1 discharge flows are observed during large rain events

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:  
None

5.4 What is being done to address infiltration/inflow in your collection system?  
CIP replacements and MH rehabs performed, 2022 5th year of televising program. Chimney rebuilds and internal seals added in repaving areas

Total Points Generated

0

Score (100 - Total Points Generated)

100

Section Grade

A

### Compliance Maintenance Annual Report

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023 Reporting For: 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
<b>TOTALS</b>			<b>4</b>	<b>16</b>
<b>GRADE POINT AVERAGE (GPA) = 4.00</b>				

**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

Pewaukee Village Sewage Collection System

Last Updated: 6/15/2023 Reporting For: 2022

#### Resolution or Owner's Statement

Name of Governing Body or Owner:

Date of Resolution or Action Taken:

Resolution Number:

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**