

**VILLAGE BOARD
OF THE
VILLAGE OF FONTANA-ON-GENEVA LAKE**

June 7, 2021

Resolution 060721-01

**A Compliance Maintenance
resolution required by the
Wisconsin Department of Natural
Resources**

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

WHEREAS, it is necessary to acknowledge that the governing body has reviewed the Compliance Maintenance Annual Report (CMAR);

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);

BE IT THEREFORE RESOLVED by the Board of Trustees for the Village of Fontana that there are no actions necessary, nor are there any deficiencies with wastewater collection system identified in the Compliance Maintenance Annual Report (CMAR)

Adopted this 7th day of June, 2021



Patrick Kenny, President



Theresa Loomer, Clerk

Compliance Maintenance Annual Report

Fontana Sewage Collection System

Last Updated: Reporting For:

6/4/2021

2020

Financial Management

1. Provider of Financial Information

Name:

Theresa Loomer

Telephone:

262-275-6136

(XXX) XXX-XXXX

E-Mail Address
(optional):

Theresa@villageoffontana.com

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:

2020

- 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:

2020

- 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

\$ 548,956.00

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

\$ 0.00

3.2.3 Adjusted January 1st Beginning Balance

\$ 548,956.00

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

+ \$ 0.00

0

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<p>3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -</p> <p style="text-align: right;">\$ 235,956.00</p> <p>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</p> <p style="text-align: right;">\$ 313,000.00</p> <p>All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.</p> <p>3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Purchase of Wachs Vacuum unit. Purchase of easement machine.</div> <p>3.3 What amount should be in your Replacement Fund? \$ 300,000.00</p> <p>Please note: If you had a CWFPP 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.</p> <p>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)?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>If No, please explain.</p> <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>	0												
<p>4. Future Planning</p> <p>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?</p> <p><input checked="" type="radio"/> Yes - If Yes, please provide major project information, if not already listed below. <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="radio"/> No</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 10%;">Project #</th> <th style="width: 60%;">Project Description</th> <th style="width: 15%;">Estimated Cost</th> <th style="width: 15%;">Approximate Construction Year</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Sanitary sewer lining on North Lakeshore Drive</td> <td style="text-align: center;">200000</td> <td style="text-align: center;">2022</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Planning on doing some flow monitoring in the collection system.</td> <td style="text-align: center;">12000</td> <td style="text-align: center;">2021</td> </tr> </tbody> </table>		Project #	Project Description	Estimated Cost	Approximate Construction Year	1	Sanitary sewer lining on North Lakeshore Drive	200000	2022	2	Planning on doing some flow monitoring in the collection system.	12000	2021
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<p>5. Financial Management General Comments</p> <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>													
<p>ENERGY EFFICIENCY AND USE</p>													
<p>6. Collection System</p> <p>6.1 Energy Usage</p> <p>6.1.1 Enter the monthly energy usage from the different energy sources:</p> <p>COLLECTION SYSTEM PUMPAGE: Total Power Consumed</p> <p>Number of Municipally Owned Pump/Lift Stations: 11</p>													

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	41,434	767
February	39,281	792
March	46,135	604
April	45,375	302
May	48,427	45
June	40,327	16
July	40,065	34
August	34,441	14
September	33,571	36
October	32,947	199
November	36,203	390
December	37,190	582
Total	475,396	3,781
Average	39,616	315

6.1.2 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):

- 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:

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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?

Updating our pumping systems so all the stations have VFDs or soft starts to save on electricity.

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

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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 and Clean sewer with Project on S. Shore Dr.
Clean 10% of collection system
inspect and repair manholes along collection system

Did you accomplish them?

- Yes
- No

If No, explain:

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?

Chapter 78 of Municipal Code Book

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2018-02-12

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

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- 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:

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:

0

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	<input style="width: 50px;" type="text" value="15"/>	% of system/year
Root removal	<input style="width: 50px;" type="text" value="15"/>	% of system/year
Flow monitoring	<input style="width: 50px;" type="text" value="3"/>	% of system/year
Smoke testing	<input style="width: 50px;" type="text" value="0"/>	% of system/year
Sewer line televising	<input style="width: 50px;" type="text" value="15"/>	% of system/year
Manhole inspections	<input style="width: 50px;" type="text" value="10"/>	% of system/year
Lift station O&M	<input style="width: 50px;" type="text" value="2"/>	# per L.S./year
Manhole rehabilitation	<input style="width: 50px;" type="text" value="6"/>	% of manholes rehabbed
Mainline rehabilitation	<input style="width: 50px;" type="text" value="1"/>	% of sewer lines rehabbed
Private sewer inspections	<input style="width: 50px;" type="text" value="0"/>	% of system/year

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Private sewer I/I removal	<input type="text" value="0"/>	% of private services
River or water crossings	<input type="text" value="0"/>	% of pipe crossings evaluated or maintained
Please include additional comments about your sanitary sewer collection system below:		
<input type="text"/>		

3. Performance Indicators

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

<input type="text" value="38"/>	Total actual amount of precipitation last year in inches
<input type="text" value="33.22"/>	Annual average precipitation (for your location)
<input type="text" value="28"/>	Miles of sanitary sewer
<input type="text" value="11"/>	Number of lift stations
<input type="text" value="0"/>	Number of lift station failures
<input type="text" value="0"/>	Number of sewer pipe failures
<input type="text" value="1"/>	Number of basement backup occurrences
<input type="text" value="1"/>	Number of complaints
<input type="text"/>	Average daily flow in MGD (if available)
<input type="text"/>	Peak monthly flow in MGD (if available)
<input type="text"/>	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

<input type="text" value="0.00"/>	Lift station failures (failures/year)
<input type="text" value="0.00"/>	Sewer pipe failures (pipe failures/sewer mile/yr)
<input type="text" value="0.00"/>	Sanitary sewer overflows (number/sewer mile/yr)
<input type="text" value="0.04"/>	Basement backups (number/sewer mile)
<input type="text" value="0.04"/>	Complaints (number/sewer mile)
<input type="text"/>	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
<input type="text"/>	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:

Heavy rains and run off from farm fields impacts our collection system
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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

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<p>o No</p> <p>If Yes, please describe:</p> <p>increased run times at specific lift stations and higher electric bills</p> <p>5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:</p> <p>We lined more of our collection systems and replaced some areas of aging pipe</p> <p>5.4 What is being done to address infiltration/inflow in your collection system?</p> <p>we are going to continue to inspect areas in greatest need and line more of our sewer in the future to limit the amount on inflow</p>
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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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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)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village Board of the Fontana-on-Geneva-Lake

Date of Resolution or
Action Taken:

2021-06-07

Resolution Number:

06-07-21-01

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