

Compliance Maintenance Annual Report

Allouez Sewage Collection System

Last Updated: Reporting For:
6/9/2021 **2020**

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 80%;" type="text" value="Sean J. Gehin, P.E."/></p> <p>Telephone: <input style="width: 30%;" type="text" value="920-448-2802"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 80%;" type="text" value="seang@villageofallouez.com"/></p>														
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>Revenues were adequate in 2020 to cover operation, maintenance and debt service. A rate case is expected to be completed in 2021 to ensure that adequate funds are available for the sanitary sewer utility.</p> </div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: <input style="width: 150px;" type="text" value="2020"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>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?</p> <p>● Yes (0 points)</p> <p>○ No (40 points)</p>	0													
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>														
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: <input style="width: 150px;" type="text" value="2020"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div> <p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 35%; text-align: right;"><input style="width: 90%;" type="text" value="376,107.08"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 90%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 90%;" type="text" value="376,107.08"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: right;">+</td> <td style="text-align: right;"><input style="width: 90%;" type="text" value="1,733.92"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 90%;" type="text" value="376,107.08"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	<input style="width: 90%;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 90%;" type="text" value="376,107.08"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input style="width: 90%;" type="text" value="1,733.92"/>		
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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;">\$ 0.00</p> <p>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</p> <p style="text-align: right;">\$ 377,841.00</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: 5px; margin: 5px 0;"> <p>No expenses charged to this account in 2020. This fund is for the future replacement of the 2-wastewater pumping stations, portable generator and Vacuum Truck. In 2021 a portion of the Equipment fund balance will be used for the purchase of a new vacuum truck.</p> </div> <p>3.3 What amount should be in your Replacement Fund? \$ 304,998.00</p> <p>Please note: If you had a CWWP 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> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes <input type="radio"/> No <p>If No, please explain.</p> <div style="border: 1px solid black; height: 20px; 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> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes - If Yes, please provide major project information, if not already listed below. <input type="checkbox"/> <input type="checkbox"/> <input type="radio"/> No <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>St.Mary's Sanitary Sewer Lining and Lateral Replacement (1500 ft East Half)</td> <td style="text-align: right;">120,000</td> <td style="text-align: center;">2021</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Sanitary Sewer Improvements (Relay, Lining and Bursting)-Beaumont/Kalb/Roselawn Blvd</td> <td style="text-align: right;">725,000</td> <td style="text-align: center;">2021</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Sanitary Relay-E.Greene Ave/Karen Lane/Roselawn Blvd</td> <td style="text-align: right;">800000</td> <td style="text-align: center;">2023</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Sanitary Relay-Delahaut St/Karl St/Brevoort Ln/Stambaugh Rd/Vista Rd</td> <td style="text-align: right;">800000</td> <td style="text-align: center;">2025</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Sioux Lane Sanitary Sewer Lining (393 lf East Half)</td> <td style="text-align: right;">12,500</td> <td style="text-align: center;">2021</td> </tr> <tr> <td style="text-align: center;">6</td> <td>Replacement of the Riverside Dr. manhole at Marine St.</td> <td style="text-align: right;">10000</td> <td style="text-align: center;">2021</td> </tr> </tbody> </table>		Project #	Project Description	Estimated Cost	Approximate Construction Year	1	St.Mary's Sanitary Sewer Lining and Lateral Replacement (1500 ft East Half)	120,000	2021	2	Sanitary Sewer Improvements (Relay, Lining and Bursting)-Beaumont/Kalb/Roselawn Blvd	725,000	2021	3	Sanitary Relay-E.Greene Ave/Karen Lane/Roselawn Blvd	800000	2023	4	Sanitary Relay-Delahaut St/Karl St/Brevoort Ln/Stambaugh Rd/Vista Rd	800000	2025	5	Sioux Lane Sanitary Sewer Lining (393 lf East Half)	12,500	2021	6	Replacement of the Riverside Dr. manhole at Marine St.	10000	2021
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<p>5. Financial Management General Comments</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>A rate case is expected to be completed in 2021 to ensure that adequate funds are available to cover the operation, maintenance and debt service of the Village's collection system.</p> </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: 2</p>																													

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	4,493	7
February	3,951	8
March	5,093	3
April	4,677	7
May	3,719	13
June	4,244	9
July	3,951	9
August	3,390	8
September	3,489	8
October	2,817	9
November	3,974	9
December	3,400	9
Total	47,198	99
Average	3,933	8

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?	
None.	

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

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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:

1. Continue to replace aging sanitary sewer. Lined the St. Mary's sewer (1634 ft) and pipe burst the Andalusia Ct. (310 ft) sewer for a total of 1944 feet in 2020.
2. Annual televising (8000 ft).
3. Annual sewer cleaning program. Cleaned over 33% of the sewer system.
4. Replace aging and failing sanitary sewer laterals. Replaced approximately 27 sewer laterals located on the west half of St. Mary's Blvd by the method of pipe bursting in 2020.
5. Explore the joint purchase of a commercial grade tv camera with neighboring communities.
6. Develop a more extensive sewer tv program.
7. Identify and minimize I & I.
8. Improve accuracy of sewer mapping. Hired consultant to renovate Village GIS platform and mapping 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)]

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

Village Code 350

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2016-11-01

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:

- 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 33 % of system/year

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Root removal	<input type="text" value="1"/>	% of system/year
Flow monitoring	<input type="text" value="0"/>	% of system/year
Smoke testing	<input type="text" value="0"/>	% of system/year
Sewer line televising	<input type="text" value="2"/>	% of system/year
Manhole inspections	<input type="text" value="33"/>	% of system/year
Lift station O&M	<input type="text" value="50"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="<1"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="<1"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="<1"/>	% of system/year
Private sewer I/I removal	<input type="text" value="<1"/>	% 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:

Lined (1634 ft) and pipe burst (310 ft) aging and failing sanitary sewer for a total of 1944 feet in 2020.

Replaced approximately 27 sewer laterals located on the west half of St. Mary's Blvd in 2020.

The Village televised 8,000 feet of sanitary sewer in 2020.

Began the design of the Village's 2021 Street and Utility Reconstruction project (Roselawn Blvd., Beaumont St. and Kalb Ave.) that includes manhole, sewer and lateral replacement at a cost of approximately \$725,000.

A Street and Utility Reconstruction Project with sewer relay is planned for 2021/2023/2025.

There are no river or water crossings.

3. Performance Indicators

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

<input type="text" value="34.01"/>	Total actual amount of precipitation last year in inches
<input type="text" value="29.19"/>	Annual average precipitation (for your location)
<input type="text" value="61.35"/>	Miles of sanitary sewer
<input type="text" value="2"/>	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="2"/>	Number of basement backup occurrences
<input type="text" value="0"/>	Number of complaints
<input type="text" value="2.3"/>	Average daily flow in MGD (if available)
<input type="text" value="3.9"/>	Peak monthly flow in MGD (if available)
<input type="text" value=""/>	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

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0.00	Lift station failures (failures/year)
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)
0.02	Sanitary sewer overflows (number/sewer mile/yr)
0.03	Basement backups (number/sewer mile)
0.00	Complaints (number/sewer mile)
1.7	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
0	3/2/2020 2:00:00 PM - 3/4/2020 2:00:00 PM	1224 S. Monroe Ave. Near the intersection of Marine St and the Fox River Trail. [44.49763, -88.02158]	Other causes	60,000

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

What actions were taken, or are underway, to reduce or eliminate SSO or TFO occurrences in the future?

In 2020 the annular space created by the disconnected pipe at the Riverside Dr. and Marine St. manhole was plugged with Oakum and watertight pipe connection was reestablished with hydro cement. In 2021 existing manhole was removed and replaced with new a pre-cast manhole with factory installed pipe to manhole connections providing flexible water tight seals.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

- Yes
- No

If Yes, please describe:

Above normal levels of precipitation in 2020 led to an increased amount of I & I in the Village's sanitary sewer collection system.

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:

Precipitation received in 2020 was above normal but far less than precipitation received in 2019 resulting in reduced I & I flow into collection system.

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

The Village is proactively relaying and lining aging/failing sanitary sewer.

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

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Grading Summary

WPDES No: 0047341

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Financial	-			
Collection				
TOTALS			0	0
GRADE POINT AVERAGE (GPA) =				

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:	<input type="text" value="Village of Allouez"/>
Date of Resolution or Action Taken:	<input type="text" value="2021-06-15"/>
Resolution Number:	<input type="text" value="2021-21"/>
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 = -	<input type="text"/>
Collection Systems: Grade = (Regardless of grade, response required for Collection Systems if SSOs were reported)	<input type="text"/>
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. =	<input type="text"/>