

# VILLAGE OF ALLOUEZ

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Allouez Village Hall • 1900 Libal Street • Green Bay, Wisconsin 54301-2453  
Phone No.: (920) 448-2800 • Fax No.: (920) 448-2850

## Department of Public Works

### 2021 COMPLIANCE MAINTENANCE ANNUAL REPORT

The WDNR requires communities with wastewater collection systems to submit an annual report summarizing their sanitary sewer inspection and maintenance activities. The completed CMAR report is attached for your review. A resolution from the Village Board indicating that the report has been reviewed and approved by the Board is needed.

A summary of the maintenance activities completed in 2021 along with the report will be reviewed at the committee meeting.

# Compliance Maintenance Annual Report

Allouez Sewage Collection System

Last Updated: Reporting For:  
6/10/2022 2021

## Financial Management

1. Provider of Financial Information		
Name:	<input type="text" value="Sean J. Gehin, P.E."/>	
Telephone:	<input type="text" value="1-920-448-2802"/>	(XXX) XXX-XXXX
E-Mail Address (optional):	<input type="text" value="sean.gehin@villageofallouezwi.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) <input type="checkbox"/>		
○ No (40 points)		
If No, please explain:		
<input type="text" value="Revenues are adequate to cover operation, maintenance and debt service. A rate case was completed in 2021 to ensure that adequate funds are available for the sanitary sewer utility."/>		
2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?		
Year: <input type="text" value="2021"/>		0
● 0-2 years ago (0 points) <input type="checkbox"/>		
○ 3 or more years ago (20 points) <input type="checkbox"/>		
○ 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: <input type="text" value="2021"/>		
● 1-2 years ago (0 points) <input type="checkbox"/>		
○ 3 or more years ago (20 points) <input type="checkbox"/>		
○ N/A		
If N/A, please explain:		
<input type="text"/>		
3.2 Equipment Replacement Fund Activity		
3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input type="text" value="377,841.00"/>
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	<input type="text" value="0.00"/>
3.2.3 Adjusted January 1st Beginning Balance	\$	<input type="text" value="377,841.00"/>
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input type="text" value="\$ 15,226.22"/>

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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

\$ 393,067.22

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.

No expenses charged to the account in 2021. This fund is for the future replacement of the 2-wastewater pumping stations, portable generator and Vacuum Truck. In 2022 a portion of the equipment fund balance will be used for the purchase of a new vacuum truck.

0

3.3 What amount should be in your Replacement Fund? \$ 316,747.00

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.

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	Sanitary Relay and Lining of the -Karen Lane/Roselawn Blvd/Allouez Ter/Jackson St Sewers	800000	2023
2	Repair of Sanitary Sewer and Laterals-Libal St (Hwy 172 to Kalb Ave)	200000	2024
3	Sanitary Relay and Lining of the-Delahut St/Karl St/Brevoort Ln/Stambaugh Rd/Vista Rd Sewers	800000	2025
4	Sanitary Relay-E.Greene Ave (Libal St to East River Dr)	350000	2025

## 5. Financial Management General Comments

A rate case was completed in 2021 to ensure that adequate funds are available to cover the operation, maintenance and debt service of the Village's collection system.

## 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: 2



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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	3,749	9
February	3,583	7
March	3,361	9
April	3,681	8
May	3,162	7
June	3,388	10
July	3,652	8
August	3,443	45
September	3,386	10
October	3,015	8
November	3,175	12
December	3,978	11
Total	41,573	144
Average	3,464	12

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:

2010

By Whom:

Allouez Staff

Describe and Comment:

Resulted in the installing of variable speed drives on the pumps.

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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.

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

# Compliance Maintenance Annual Report

Allouez Sewage Collection System

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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. Relayed, lined and pipe burst 6570 ft of Sanitary Sewer under Village Projects in 2021.

2. Annual Televising. Televised 12,250 ft of Sanitary Sewer and camera launched 240 laterals.

3. Annual sewer cleaning program. Cleaned over 33% of the sewer system.

4. Replace aging and failing sanitary sewer laterals. Replaced approximately 3470 ft of sewer laterals in 2021. Offered a voluntary private lateral replacement program under the 2021 Street and Utility Reconstruction Project.

5. Develop a more extensive sewer tv program. Purchased a new Sewer Jetting Truck in 2022 equipped with jetscan camera.

6. Identify and minimize I & I.

7. 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)]

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

Village Code 350



# Compliance Maintenance Annual Report

## Allouez Sewage Collection System

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6/10/2022 **2021**

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

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	<input type="text" value="33"/>	% of system/year
Root removal	<input type="text" value="1"/>	% of system/year
Flow monitoring	<input type="text" value="0"/>	% of system/year

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Smoke testing	<input type="text" value="0"/>	% of system/year
Sewer line televising	<input type="text" value="4"/>	% 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="2"/>	% 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:

Replaced (2975 ft), lined (2945 ft), and pipe burst (651 ft) aging and failing sanitary sewer for a total of 6571 ft in 2021.

Replaced 3472 ft of sanitary sewer laterals in 2021.

The Village televised 12,250 ft of sanitary sewer in 2021.

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="29.56"/>	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="1.9"/>	Average daily flow in MGD (if available)
<input type="text" value="2.7"/>	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="0.03"/>	Basement backups (number/sewer mile)
<input type="text" value="0.00"/>	Complaints (number/sewer mile)
<input type="text" value="1.4"/>	Peaking factor ratio (Peak Monthly:Annual Daily Avg)



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<input type="text" value="0.0"/> Peaking factor ratio (Peak Hourly:Annual Daily Avg)									
4. Overflows									
LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **									
<table border="1"><thead><tr><th>Date</th><th>Location</th><th>Cause</th><th>Estimated Volume</th></tr></thead><tbody><tr><td colspan="4">None reported</td></tr></tbody></table>	Date	Location	Cause	Estimated Volume	None 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?									
<input type="radio"/> Yes									
<input checked="" type="radio"/> No									
If Yes, please describe:									
<input type="text"/>									
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?									
<input type="radio"/> Yes									
<input checked="" type="radio"/> No									
If Yes, please describe:									
<input type="text"/>									
5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:									
<input type="text" value="Precipitation level of 29.56 inches closely resembled annual average resulting in less I &amp; I."/>									
<input type="text" value="Sewer and lateral replacements in 2021 is overall improving the clearwater intrusion."/>									
5.4 What is being done to address infiltration/inflow in your collection system?									
<input type="text" value="The Village is proactively televising, relaying, lining and pipe bursting 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				
<b>TOTALS</b>			<b>0</b>	<b>0</b>
<b>GRADE POINT AVERAGE (GPA) =</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)

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## Resolution or Owner's Statement

Name of Governing

Body or Owner:

Village of Allouez

Date of Resolution or

Action Taken:

2022-06-21

Resolution Number:

2022-15

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 = -

Collection Systems: Grade =

(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. =