

VILLAGE OF ALLOUEZ

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

2017 COMPLIANCE MAINTENANCE ANNUAL REPORT

The WDNR requires communities with WPDES Permits 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 2017 along with the report will be reviewed at the committee meeting.

RESOLUTION 2018-15

VILLAGE OF ALLOUEZ

BE IT RESOLVED by the VILLAGE BOARD of the VILLAGE OF ALLOUEZ, County of Brown, State of Wisconsin, that the ALLOUEZ VILLAGE BOARD has reviewed and approved the “**Compliance Maintenance Report**” which is specifically referred to as “**CMAR**” relative to the village’s sanitary sewer collection system.

PASSED AND ADOPTED by the Village Board on the 20th day November, 2018.

James F. Rafter, President

ATTEST:

Debra M. Baenen, Clerk-Treasurer

Compliance Maintenance Annual Report

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Last Updated: Reporting For:
11/13/2018 **2017**

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) 448-2800"/> (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> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes (0 points) <input type="radio"/> No (40 points) <p>If No, please explain:</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Revenues are adequate to cover operation, maintenance and debt service.</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="2017"/></p> <ul style="list-style-type: none"> <input checked="" type="radio"/> 0-2 years ago (0 points) <input type="radio"/> 3 or more years ago (20 points) <input type="radio"/> N/A (private facility) <p>2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Yes (0 points) <input type="radio"/> No (40 points) 	0												
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]													
<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="2017"/></p> <ul style="list-style-type: none"> <input checked="" type="radio"/> 1-2 years ago (0 points) <input type="radio"/> 3 or more years ago (20 points) <input type="radio"/> N/A <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; margin-bottom: 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: center;">\$</td> <td style="width: 35%; text-align: right;"><input style="width: 90%;" type="text" value="308,960.29"/></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: center;">+</td> <td style="text-align: right;">\$ <input style="width: 90%;" type="text" value="441.33"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$ <input style="width: 90%;" type="text" value="309,401.62"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;">\$ <input style="width: 90%;" type="text" value="15,000.00"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 90%;" type="text" value="308,960.29"/>	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="441.33"/>	3.2.3 Adjusted January 1st Beginning Balance		\$ <input style="width: 90%;" type="text" value="309,401.62"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$ <input style="width: 90%;" type="text" value="15,000.00"/>	
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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 \$ 324,401.62

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 this account in 2017. This fund is for the future maintenance and replacement of the 2-wastewater pumping stations.

3.3 What amount should be in your Replacement Fund? \$ 305,376.00

Please note: If you had a CFWP 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-Oakwood/Oakhill/Summit/Longview	750000	2019
2	Sanitary Relay-Beaumont/Kalb/St Mary's Blvd	750000	2021
3	Sanitary Relay-E.Green Ave/Karl/Brevort/Vista/Stambaugh Rd	750000	2023
4	Sanitary Relay-Delahaut/Briar Lane	350000	2025
5	Sanitary Relay-Ravine/Lola/Tower Dr/Fairview/Brenner	750000	2027
6	Sanitary Relay-Little Rd/Blackhawk/Bittersweet/Karen	750000	2029
7	The Marine Street Sanitary Sewer will be repaired from Marine to Monroe Street in 2018. The repair will consist of slip lining 218 feet of HDPE pipe.	60,000	2018
8	Sanitary Relay - Andalusia Court 400Lf	125,000	2019

5. Financial Management General Comments

Allouez intends to gradually increase its revenue for the sanitary sewer utility to improve the income and fund balance. With the completion of GBMSD plant improvements, GBMSD rates appear to have stabilized. This also should help improve the Allouez utility financial situation.

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:

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	4,733	8
February	4,262	10
March	4,894	9
April	4,784	9
May	4,157	12
June	3,117	7
July	3,210	11
August	2,817	8
September	2,897	9
October	2,810	10
November	3,447	9
December	3,166	6
Total	44,294	108
Average	3,691	9

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 installing 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.

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:

1. Continue to replace aging sanitary sewer. Replaced 6100 lf of Sanitary Sewer under the Village's Street and Utility Reconstruction Project in 2017.
2. Replace high priority sewers.
3. Annual televising/leak sealing. Televised 1600 lf in 2017.
4. Annual sewer cleaning program. Cleaned 33% of the sewer system.
5. Improve the sewer lateral ordinance. Continual efforts needed. Removed and replaced 2950 lf of sewer laterals in 2017.
6. New tv camera. Collaborate with neighboring communities on the purchase of camera.
7. Develop more extensive sewer tv program. To do in 2018.
8. Implement cross-connection inspection program.
9. Evaluate sewer bottlenecks. Study of the East River sewer to be completed in the future.

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 Ordinance 350

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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="40"/>	% of system/year
Root removal	<input type="text" value="2.5"/>	% 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="1"/>	% of system/year
Manhole inspections	<input type="text" value="40"/>	% of system/year
Lift station O&M	<input type="text" value="50"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="5"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="2"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="2"/>	% of system/year
Private sewer I/I removal	<input type="text" value="2"/>	% 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:

The Village's Street and Utility Reconstruction project included manhole, sewer and lateral replacement at a cost of approximately \$750,000.

A reconstruction project with sewer relay is planned for 2019/2021/2023/2025/2027.

The sewer system tv/leak sealing program also alternates years opposite the reconstruction projects. This is intended to repair sewers throughout the Village by area.

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="38.94"/>	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="0"/>	Number of basement backup occurrences
<input type="text" value="0"/>	Number of complaints
<input type="text" value="1.93"/>	Average daily flow in MGD (if available)
<input type="text" value="3.12"/>	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:

<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)

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0.00	Basement backups (number/sewer mile)
0.00	Complaints (number/sewer mile)
1.6	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) OFERFLOWS REPORTED **				
Date	Location	Cause	Estimated Volume (MG)	
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:

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:

Essentially no change since 2016. There is clearwater intrusion into the sewer system which has remained constant. Sewer and lateral replacements in 2017 under the 2017 Street and Utility Reconstruction Project removed and replaced sewer, manholes and laterals overall improving the clearwater intrusion.

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

Allouez continues its sewer area televising and leak sealing program. An area of the system is repaired alternate years.

New sanitary sewer is installed alternate years to replace old sanitary sewers that are in poor condition.

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:	<input type="text" value="Village of Allouez"/>
Date of Resolution or Action Taken:	<input type="text"/>
Resolution Number:	<input type="text"/>
Date of Submittal:	<input type="text"/>

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