

STATE OF WISCONSIN: VILLAGE OF RIVER HILLS: MILWAUKEE COUNTY

**RESOLUTION CONCERNING THE
2018 COMPLIANCE MAINTENANCE
ANNUAL REPORT**

Resolution No. 2019-17

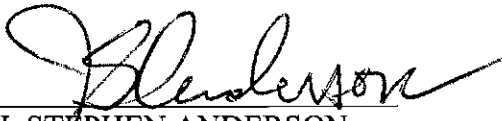
WHEREAS, it is a requirement under the Wisconsin Pollutant Discharge Elimination System (WPDES) permit issued by the Wisconsin Department of Natural Resources to file a Compliance Maintenance Annual Report (CMAR) for its wastewater collection system under Wisconsin Administrative Code NR 208; and,

WHEREAS, it is necessary to acknowledge that the governing body has reviewed the 2018 Compliance Maintenance Annual Report (CMAR);

WHEREAS, it is necessary to provide recommendations for an action response plan for all CMAR section grades of "C" or less and/or an overall grade point average at the same level;

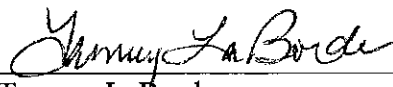
NOW THEREFORE BE IT RESOLVED, by the Village Board of the Village of River Hills, that it has reviewed the 2018 River Hills Compliance Maintenance Annual Report (CMAR) and found no deficiencies;

PASSED AND ADOPTED by the Village Board of the Village of River Hills this 15TH day of May 2019.



J. STEPHEN ANDERSON
Village President

Attest:



Tammy LaBorde
Village Manager/Clerk/Treasurer

Compliance Maintenance Annual Report

River Hills Village

Last Updated: Reporting For:
5/6/2019 2018

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 300px;" type="text" value="Kurt Fredrickson"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="414-352-0080"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="kfredrickson@vll.river-hills.wi.us"/></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; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?</p> <p>Year: <input style="width: 80px;" type="text" value="2018"/></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., CWFP 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												
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?</p> <p>Year: <input style="width: 80px;" type="text" value="2018"/></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; width: 100%;"></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: 100%;" type="text" value="142,851.33"/></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: 100%;" type="text" value="39,076.67"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td style="text-align: center;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="181,928.00"/></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: 100%;" type="text" value="521,515.76"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 100%;" type="text" value="142,851.33"/>	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: 100%;" type="text" value="39,076.67"/>	3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 100%;" type="text" value="181,928.00"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$ <input style="width: 100%;" type="text" value="521,515.76"/>	
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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 564,840.21

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 138,603.55

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.

3.2.5 represents all sewer related costs. Labor, benefits, capital improvements, contracted services, equipment purchases and maintenance.

3.3 What amount should be in your Replacement Fund? \$ 1,000.00

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	upgrading /replacement of sewer lift station	225000	2018
2	Yearly lining of sewer lines that were found during routine cleaning to be in need of repair. Rebuilding of manholes prior to road construction projects.	70,000.00	2019

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:

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	941	0
February	1,688	1
March	1,798	1
April	1,720	2
May	1,656	0
June	985	1
July	875	1
August	962	1
September	1,049	1
October	1,183	1
November	695	1
December	684	1
Total	14,236	11
Average	1,186	1

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?
<input type="text"/>

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:

Continue to maintain entire system without failures. Educate entire crew of procedures and bmps.

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 13 River Hills Municiple Code

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 06/15/2017

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 type="text" value="40"/>	% of system/year
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="40"/>	% of system/year
Manhole inspections	<input type="text" value="26"/>	% of system/year
Lift station O&M	<input type="text" value="52"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="5"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="1"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="0"/>	% of system/year

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Private sewer I/I removal % of private services
 River or water crossings % 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.

Total actual amount of precipitation last year in inches
 Annual average precipitation (for your location)
 Miles of sanitary sewer
 Number of lift stations
 Number of lift station failures
 Number of sewer pipe failures
 Number of basement backup occurrences
 Number of complaints
 Average daily flow in MGD (if available)
 Peak monthly flow in MGD (if available)
 Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

Lift station failures (failures/year)
 Sewer pipe failures (pipe failures/sewer mile/yr)
 Sanitary sewer overflows (number/sewer mile/yr)
 Basement backups (number/sewer mile)
 Complaints (number/sewer mile)
 Peaking factor ratio (Peak Monthly:Annual Daily Avg)
 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 (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

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<ul style="list-style-type: none"> ● No <p>If Yes, please describe:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:</p> <div style="border: 1px solid black; padding: 2px;">Any reduction in Infiltration was due to PPI&I program.</div> <p>5.4 What is being done to address infiltration/inflow in your collection system?</p> <div style="border: 1px solid black; padding: 2px;">Lining main line pipe as needed. Annual PPI&I program to continue as funding becomes available.</div>
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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 of River Hills

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