

## **AGENDA**

Board of Public Works Meeting  
Tuesday, May 31, 2016 – 7:00 P.M.  
Jackson Village Hall  
N168W20733 Main Street

1. Call to Order and Roll Call.
2. Approval of Minutes for April 26, 2016, meeting.
3. Review of Engineering Service for Industrial Drive Sidewalk Project.
4. Resolution 16-09 Adopting 2015 CMAR for Wastewater Treatment Facility.
5. Pay Request #1 – Wilshire Drive Reconstruction Project.
6. Director of Public Works Report.
7. Citizens/Village Staff to address the Board.
8. Adjourn.

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

**DRAFT MINUTES**  
**Board of Public Works Meeting**  
**Tuesday, April 26, 2016 – 7:00 P.M.**  
**Jackson Village Hall**  
**N168W20733 Main Street**

**1. Call to Order and Roll Call.**

Chairman Tr. Don Olson called the meeting to order at 7:00 p.m.

Members present: Brian Heckendorf, Scott Thielmann, Corinne Benson, Linda Granec, Tr. Kufahl, and Tr. Jack Lippold.

Members excused: All Present.

Staff present: Brian Kober.

**2. Approval of Minutes for March 29, 2016 meeting.**

Motion by Corinne Benson, second by Trustee Lippold to approve the minutes of the March 29, 2016, Board of Public Works meeting.

Vote: 7 ayes, 0 nays. Motion carried.

**3. Pay Request #8 – Digester Improvement Project – Final Payment.**

Brian Kober reported that this is the final payment and the project is completed. The Final Payment is for \$19,158.31. Brian reported that the project came in under budget. Motion by Brian Heckendorf, second by Linda Granec to approve the final payment not to exceed \$19,158.31 to Sabel Mechanical LLC.

Vote: 7 ayes, 0 nays. Motion carried.

**4. Discussion on Industrial Drive Sidewalk.**

Brian Kober reported that a resident commented he would like to see a sidewalk from Green Valley to Walgreens along Industrial Drive. There is sidewalk from Green Valley 3 to Green Valley 2. Brian recommended a sidewalk from Green Valley 2 to the corner on Industrial Drive and special assess back to Green Valley and Walgreens. The item will come back to a future agenda.

**5. Director of Public Works Report.**

Brian Kober reviewed the Public Works Report.

Motion by Linda Grance, second by Tr. Lippold to place the report on file.

Vote: 7 ayes, 0 nays. Motion carried.

**6. Citizens/Village Staff to address the Board.**

Brian Heckendorf questioned when the path will be done. Brian Kober reported June. Brian Kober recently received information from the DNR on the sidewalk.

Brian Heckendorf commented that there was an incident of equipment going through the floor at the DPW Barn. Brian commented that the Village is not parking equipment in there.

**7. Adjourn.**

Motion by Tr. Lippold, second by Corinne Benson to adjourn at 7:20 p.m.  
Vote: 7 ayes, 0 nays. Motion carried.

Respectfully submitted by: Deanna L. Boldrey, Village Clerk-Treasurer

DRAFT

May 10, 2016

Village of Jackson  
N168 W20733 Main Street  
Jackson, WI 53037

Attention: Brian W. Kober, P.E.  
Director of Public Works

Subject: Proposal for Engineering Services  
Industrial Drive sidewalk

Dear Mr. Kober:

Thank you for the opportunity to work with you in providing engineering services for the addition of sidewalk along the west side of Industrial Drive. We look forward to maintaining our good working relationship with you by providing quality and efficient service that the Village can expect when working with Gremmer & Associates. The following is Gremmer & Associates' proposal to provide engineering services for the proposed project. Hereinafter, the Village of Jackson will be referred to as the OWNER and Gremmer & Associates, Inc. as the CONSULTANT.

#### **SCOPE OF WORK**

Scope of the project consists of survey and design for the addition of new sidewalk along the west side of Industrial Drive from Main Street to the Green Valley #2 driveway. The ENGINEER will provide the following services. Items of work not specifically mentioned below shall be considered additional services.

1. Topographic and utility survey of the west side of Industrial Drive (from back of curb to approximately 10' beyond right-of-way) from Main Street to the Green Valley #2 driveway.
2. Assist the Village in conducting one public information meeting, including preparation of meeting exhibits and handouts and attendance at the meeting.
3. Preliminary and final design/plans for the new sidewalk.
4. Provide specifications and contract documents for the Village's use in bidding the project.
5. Meet with Village of Jackson engineering staff as necessary throughout the project.

#### **OWNER'S RESPONSIBILITY**

1. Review and approval of preliminary and final plans.
2. Payment of any governmental review fees.
3. Advertisement, bidding and contract document copying and distribution.

#### **ADDITIONAL SERVICES**

1. Wetland delineation.
2. DNR and/or US Army Corps of Engineers permitting/coordination.
3. Preparation of any easement or right-of-way documents/descriptions.

**COMPENSATION**

ENGINEER’S lump sum fee to complete the work, as listed in the Scope of Work section of this document, is \$14,888.

ENGINEER’S fee for the construction phase (all work after the bid opening) will be billed on a time and materials basis in accordance with the attached Professional Services Fee Schedule, dated May 1, 2016 and labeled Exhibit A.

The CONSULTANT shall prepare monthly invoices based upon services provided during the billing cycle. Invoices shall be paid by the OWNER within 30 days of OWNER’S receipt of said invoice.

Additional services, at the request of the OWNER, will be billed according to the attached Professional Services Fee Schedule, dated May 1, 2016, and labeled Exhibit A.

**GENERAL TERMS & CONDITIONS**

CONSULTANT services will be performed in accordance with the attached General Terms and Conditions, dated May 1, 2016, and labeled Exhibit B.

**AUTHORIZATION AND TIMING**

The receipt of a signed copy of the Agreement shall be considered as authorization to proceed with the services described.

Thank you again for the opportunity to propose on the subject project. If you have any questions or comments, please contact me at (920) 924-5720.

Sincerely,

Thomas L. Lanser  
President  
Gremmer & Associates, Inc.

If this proposal is acceptable, please sign below and return one copy to me for our files.

For the OWNER: Village of Jackson

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

Exhibit A



**PROFESSIONAL SERVICES FEE SCHEDULE**

**May 1, 2016 to April 30, 2017**

Project Manager.....	\$125.00/hour
Project Engineer.....	\$108.00/hour
Senior Designer / Civil Engineer IV.....	\$97.00/hour
Registered Land Surveyor / Survey Crew Chief.....	\$92.00/hour
One-man Survey Crew with GPS.....	\$120.00/hour
Civil Engineer III / Engineering Specialist IV.....	\$86.00/hour
Civil Engineer II / Engineering Specialist III.....	\$78.00/hour
Civil Engineer I / Engineering Specialist II.....	\$72.00/hour
Engineering Specialist I / Civil Engineering Technician III.....	\$65.00/hour
Civil Engineering Technician II.....	\$59.00/hour
Civil Engineering Technician I.....	\$52.00/hour
Office Services.....	\$50.00/hour
Mileage.....	Current IRS rate
Meals, lodging, air travel, telephone, supplies, postage.....	At Cost
Printing Services (In-house)	
Photocopies (black & white).....	\$0.10/impression
Photocopies (color).....	\$0.25/impression
Large Format Plots (black & white).....	\$1.00/S.F.
Large Format Plots (color).....	\$2.00/S.F.
Mylar.....	\$2.00/S.F.
Printing Services (Outside Service).....	At Cost
Expert Witness.....	\$200.00/hour

Note: Office Services, Civil Engineering Technician, and Engineering Specialist are paid time and one-half their actual wage for overtime. The respective billed rate will be approximately 19% higher than the published rate to account for the overtime rate.

Exhibit B



**GENERAL TERMS AND CONDITIONS**

**May 1, 2016 to April 30, 2017**

1. This agreement, upon execution by both parties hereto, can be amended only by written instrument signed by both parties. As the project progresses, facts uncovered may reveal a change in direction, which may alter the scope. Gremmier & Associates, Inc., will promptly inform the Owner in writing of such situations so that changes in this agreement can be negotiated as required. In the event the Owner orders additional work to be performed and a written instrument is not executed by both parties, the Owner shall be responsible for all costs associated with the additional work.
2. Costs and schedule commitments shall be subject to renegotiation for delays caused by the Owner's failure to provide specified facilities or information, or for delays caused by unpredictable occurrences, including without limitation, fires, floods, riots, strikes, unavailability of labor or materials, delays or defaults by suppliers of materials or services, shutdowns, acts of God or the public enemy, or acts or regulations of any governmental agency. Temporary delay of services caused by any of the above, which results in additional costs beyond those outlined, may require renegotiation of this agreement.
3. Payment is due to Gremmier & Associates, Inc., upon 30 days of receipt of the invoice for professional services rendered. Failure to make any payment when due is a breach of this Agreement and will entitle Gremmier & Associates, Inc., at its option, to suspend or terminate the Agreement and the provisions of the Scope of Work. Interest of 1.5 percent per month (18 percent per annum) will accrue on accounts overdue by 30 days.
4. The Owner shall make available to Gremmier & Associates, Inc., all relevant information or data pertaining to the project which is required to perform the Scope of Work.
5. Gremmier & Associates, Inc., will provide and exercise the standard of care, skill and diligence required by customarily accepted professional practices normally provided in the performance of the services at the time and the location in which the services were performed.
6. Gremmier & Associates, Inc., will maintain insurance coverage in the following amounts:

Worker's Compensation	Statutory
General Liability	
General Aggregate	\$2,000,000
Operations / Injury	\$1,000,000
Automobile Liability	
Liability / Injury	\$1,000,000
Property Damage	Value or Repair
Professional Liability Insurance	\$1,000,000
Umbrella Liability Insurance	\$2,000,000

7. Termination of the agreement by the Owner or Gremmer & Associates, Inc., shall be effective upon seven (7) days written notice to the other party. The written notice shall include the reasons and details for termination. Gremmer & Associates, Inc., will prepare a final invoice showing all charges incurred through the date of termination. The Owner agrees to pay Gremmer & Associates, Inc., for the services performed to the date of termination.
8. Gremmer & Associates, Inc., intends to serve as the Owner's professional representative for those services as defined in this agreement and to provide advice and consultation to the Owner as a professional. Any opinions of probable project costs, approvals, and other decisions made by Gremmer & Associates, Inc., for the owner are rendered on the basis of experience and qualifications and represent our professional judgment. The Owner recognizes that Gremmer & Associates, Inc., does not have control over the costs of labor, materials or equipment, or over competitive bidding methods. Accordingly, Gremmer & Associates, Inc., does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from any cost opinions prepared by Gremmer & Associates, Inc.
9. This agreement shall not be construed as giving Gremmer & Associates, Inc., the responsibility or authority to direct or supervise construction means, methods, techniques, sequence, or procedures of construction selected by contractor or subcontractors, or the safety precautions and programs incident to the work of the contractors or subcontractors.
10. The Owner releases Gremmer & Associates, Inc., from any liability and agrees to defend, indemnify and hold Gremmer & Associates, Inc., harmless from any and all claims, damages, losses, and/or expenses, direct or indirect, or consequential damages, including but not limited to attorney's fees and charges, and court and arbitration costs, arising out of, or claimed to arise out of, the performance of the services, except liability arising from the negligence of Gremmer & Associates, Inc.

**RESOLUTION #16-09**

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**A RESOLUTION ADOPTING THE 2015 COMPLIANCE  
MAINTENANCE ANNUAL REPORT FOR THE JACKSON  
WASTEWATER TREATMENT FACILITY**

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**WHEREAS**, the State of Wisconsin Department of Natural Resources requires a Compliance Maintenance Annual Report for the Village of Jackson Wastewater Treatment Plant; and

**WHEREAS**, the Village of Jackson Wastewater Treatment Plant Superintendent, the Village's Engineer, the Village Clerk and the Village Treasurer have completed the necessary information requested in the annual report; and

**NOW, THEREFORE, BE IT RESOLVED**, that the Village Board of the Village of Jackson, Washington County, Wisconsin, does hereby resolve that the Village Board has reviewed the Compliance Maintenance Annual Report, and has approved it for submission.

Introduced by: \_\_\_\_\_

Seconded by: \_\_\_\_\_

Vote: \_\_\_\_\_ Aye \_\_\_\_\_ Nay

Passed and Approved: \_\_\_\_\_

\_\_\_\_\_  
Michael E. Schwab – Village President

Attest: \_\_\_\_\_  
Deanna L. Boldrey – Village Clerk-Treasurer

Proof of Posting:

I the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office, and one other location in the Village.

\_\_\_\_\_  
Village Official

\_\_\_\_\_  
Date

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 **2015**

## Influent Flow and Loading

### 1. Monthly Average Flows and (C)BOD Loadings

1.1 Verify the following monthly flows and (C)BOD loadings to your facility.

Outfall No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average (C)BOD Concentration mg/L	x	8.34	=	Influent Monthly Average (C)BOD Loading, lbs/day
January	0.6678	x	300	x	8.34	=	1,668
February	0.6209	x	305	x	8.34	=	1,579
March	0.7535	x	272	x	8.34	=	1,711
April	1.2038	x	231	x	8.34	=	2,315
May	0.7753	x	324	x	8.34	=	2,093
June	0.9056	x	326	x	8.34	=	2,465
July	0.6963	x	328	x	8.34	=	1,904
August	0.7269	x	320	x	8.34	=	1,937
September	0.7824	x	248	x	8.34	=	1,616
October	0.5055	x	359	x	8.34	=	1,514
November	0.6968	x	237	x	8.34	=	1,378
December	0.8973	x	186	x	8.34	=	1,390

### 2. Maximum Month Design Flow and Design (C)BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	1.875	x	90	=	1.6875
		x	100	=	1.875
Design (C)BOD, lbs/day	2980	x	90	=	2682
		x	100	=	2980

2.2 Verify the number of times the flow and (C)BOD exceeded 90% or 100% of design, points earned, and score:

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times (C)BOD was greater than 90% of design	Number of times (C)BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	0	0
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	0	0
Points		0	0	0	0
<b>Total Number of Points</b>					<b>0</b>

0

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## 3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

- Yes Enter last calibration date (MM/DD/YYYY)
- No

If No, please explain:

## 4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from industries, commercial users, hauled waste, or residences?

- Yes
- No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

- Yes
- No

If Yes, please explain:

## 5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

- | Septic Tanks                         | Holding Tanks                        | Grease Traps                         |
|--------------------------------------|--------------------------------------|--------------------------------------|
| <input checked="" type="radio"/> Yes | <input checked="" type="radio"/> Yes | <input checked="" type="radio"/> Yes |
| <input type="radio"/> No             | <input type="radio"/> No             | <input type="radio"/> No             |

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

Septic Tanks  
 Yes  gallons

No

Holding Tanks  
 Yes  gallons

No

Grease Traps  
 Yes  gallons

No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

## 6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

- Yes
- No

If yes, describe the situation and your community's response.

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

<p>6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> <p>If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
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<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Effluent Quality and Plant Performance (BOD/CBOD)

### 1. Effluent (C)BOD Results

1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or CBOD

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	17	15.3	4	1	0	0
February	17	15.3	5	1	0	0
March	17	15.3	4	1	0	0
April	17	15.3	6	1	0	0
May	12	10.8	4	1	0	0
June	12	10.8	5	1	0	0
July	12	10.8	4	1	0	0
August	12	10.8	3	1	0	0
September	12	10.8	3	1	0	0
October	12	10.8	3	1	0	0
November	17	15.3	3	1	0	0
December	17	15.3	4	1	0	0
* Equals limit if limit is <= 10						
Months of discharge/yr				12		
Points per each exceedance with 12 months of discharge					7	3
Exceedances					0	0
Points					0	0
<b>Total number of points</b>						<b>0</b>

0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

### 2. Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

- Yes      Enter last calibration date (MM/DD/YYYY) 05/26/2015
- No

If No, please explain:

### 3. Treatment Problems

3.1 What problems, if any, were experienced over the last year that threatened treatment?

No issues

### 4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

- Yes
- No

If Yes, please explain:

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

5/25/2016

2015

<p>4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> <p>If Yes, please explain:</p> <p>_____</p> <p>4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>Please explain unless not applicable:</p> <p>_____</p>
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<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

5/25/2016

2015

## Effluent Quality and Plant Performance (Total Suspended Solids)

### 1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	12	10.8	1	1	0	0
February	12	10.8	1	1	0	0
March	12	10.8	1	1	0	0
April	12	10.8	3	1	0	0
May	12	10.8	2	1	0	0
June	12	10.8	2	1	0	0
July	12	10.8	3	1	0	0
August	12	10.8	2	1	0	0
September	12	10.8	1	1	0	0
October	12	10.8	1	1	0	0
November	12	10.8	2	1	0	0
December	12	10.8	3	1	0	0
* Equals limit if limit is <= 10						
Months of Discharge/yr				12		
<b>Points per each exceedance with 12 months of discharge:</b>					<b>7</b>	<b>3</b>
Exceedances					0	0
Points					0	0
<b>Total Number of Points</b>						<b>0</b>

0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is  $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Effluent Quality and Plant Performance (Ammonia - NH3)

### 1. Effluent Ammonia Results

1.1 Verify the following monthly and weekly average effluent values, exceedances and points for NH3

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceedance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceedance
January	7		.0935294	12 0					
February	7		.143125	0					
March	7		.14666666	67 0					
April	4.3		.365	0					
May	5.7		.21647058	8 0					
June	3.9		.12941176	5 0					
July	3.9		.31444444	4 0					
August	3.9		.27166666	67 0					
September	3.9		1.3870588	24 0					
October	4.3		.38647058	8 0					
November	7		.31777777	78 0					
December	7		.135	0					

0

Points per each exceedance of Monthly average:	10
Exceedances, Monthly:	0
Points:	0
Points per each exceedance of weekly average (when there is no monthly average):	2.5
Exceedances, Weekly:	0
Points:	0
<b>Total Number of Points</b>	<b>0</b>

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to detect exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to detect exceedances and generate points.

1.2 If any violations occurred, what action was taken to regain compliance?

<b>Total Points Generated</b>	<b>0</b>
<b>Score (100 - Total Points Generated)</b>	<b>100</b>
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Effluent Quality and Plant Performance (Phosphorus)

### 1. Effluent Phosphorus Results

#### 1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.6	1	0
February	1	0.7	1	0
March	1	0.6	1	0
April	1	0.6	1	0
May	1	0.7	1	0
June	1	0.6	1	0
July	1	0.8	1	0
August	1	0.7	1	0
September	1	0.7	1	0
October	1	0.6	1	0
November	1	0.5	1	0
December	1	0.6	1	0
Months of Discharge/yr			12	
<b>Points per each exceedance with 12 months of discharge:</b>				<b>10</b>
Exceedances				0
<b>Total Number of Points</b>				<b>0</b>

0

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is  $12/6 = 2.0$

#### 1.2 If any violations occurred, what action was taken to regain compliance?

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

5/25/2016

2015

## Biosolids Quality and Management

### 1. Biosolids Use/Disposal

1.1 How did you use or dispose of your biosolids? (Check all that apply)

- Land applied under your permit
- Publicly Distributed Exceptional Quality Biosolids
- Hauled to another permitted facility
- Landfilled
- Incinerated
- Other

NOTE: If you did not remove biosolids from your system, please describe your system type such as lagoons, reed beds, recirculating sand filters, etc.

1.1.1 If you checked Other, please describe:

### 2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

1293.30 acres

2.1.2 How many acres did you use?

147 acres

2.2 If you did not have enough acres for your land application needs, what action was taken?

2.3 Did you overapply nitrogen on any of your approved land application sites you used last year?

Yes (30 points)

No

2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years?

Yes

No (10 points)

N/A

### 3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

#### Outfall No. 002 - ANAEROBIC LIQUID

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75				6.91										0	0
Cadmium		39	85				3.6										0	0
Copper		1500	4300	1050			760			865			857				0	0
Lead		300	840	<17.4													0	0
Mercury		17	57	<.0014			1.02			1.42			.978				0	0
Molybdenum	60		75				<7.56									0		0
Nickel	336		420				34.2									0		0
Selenium	80		100				<7.56									0		0
Zinc		2800	7500				831										0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

Exceedence Points

0 (0 Points)

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- 1-2 (10 Points)
- > 2 (15 Points)
- 3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)
  - Yes
  - No (10 points)
    - N/A - Did not exceed limits or no HQ limit applies (0 points)
    - N/A - Did not land apply biosolids until limit was met (0 points)
- 3.1.3 Number of times any of the metals exceeded the ceiling limits = 0  
Exceedence Points
  - 0 (0 Points)
  - 1 (10 Points)
  - > 1 (15 Points)
- 3.1.4 Were biosolids land applied which exceeded the ceiling limit?
  - Yes (20 Points)
  - No (0 Points)
- 3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken? Has the source of the metals been identified?

0

## 4. Pathogen Control (per outfall):

4.1 Verify the following information. If any information is incorrect, Contact Us.

Outfall Number:	<b>002</b>
Biosolids Class:	B
Bacteria Type and Limit:	F
Sample Dates:	01/01/2015 - 12/31/2015
Density:	40,212
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	ANAER
Process Description:	Anaerobic Digestion

Outfall Number:	<b>002</b>
Biosolids Class:	B
Bacteria Type and Limit:	F
Sample Dates:	01/01/2015 - 12/31/2015
Density:	77,617
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	ANAER
Process Description:	Anaerobic Digestion

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Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	F
Sample Dates:	04/01/2015 - 06/30/2015
Density:	776,170
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	ANAER
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	F
Sample Dates:	10/01/2015 - 12/31/2015
Density:	40,212
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	ANAER
Process Description:	Anaerobic Digestion

0

4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.

4.2.1 Was the limit exceeded or the process criteria not met at the time of land application?

Yes (40 Points)

No

If yes, what action was taken?

## 5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, Contact Us.

Outfall Number:	002
Method Date:	12/31/2015
Option Used To Satisfy Requirement:	INJ
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	06/30/2015
Option Used To Satisfy Requirement:	INJ
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

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Outfall Number:	<b>002</b>	<b>0</b>
Method Date:	12/31/2015	
Option Used To Satisfy Requirement:	INJ	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):		
Results (if applicable):		
<p>5.2 Was the limit exceeded or the process criteria not met at the time of land application?</p> <p><input type="radio"/> Yes (40 Points)</p> <p><input checked="" type="radio"/> No</p> <p>If yes, what action was taken?</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
<p>6. Biosolids Storage</p> <p>6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?</p> <p><input checked="" type="radio"/> &gt;= 180 days (0 Points)</p> <p><input type="radio"/> 150 - 179 days (10 Points)</p> <p><input type="radio"/> 120 - 149 days (20 Points)</p> <p><input type="radio"/> 90 - 119 days (30 Points)</p> <p><input type="radio"/> &lt; 90 days (40 Points)</p> <p><input type="radio"/> N/A (0 Points)</p> <p>6.2 If you checked N/A above, explain why.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
<p>7. Issues</p> <p>7.1 Describe any outstanding biosolids issues with treatment, use or overall management:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Badger State Haulers do a great job managing the field sites.</p> </div>		

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

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## Staffing and Preventative Maintenance (All Treatment Plants)

<p>1. Plant Staffing</p> <p>1.1 Was your wastewater treatment plant adequately staffed last year?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No</li></ul> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Could use more help/staff for:</p> <div style="border: 1px solid black; padding: 2px;">no</div> <p>1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No</li></ul> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
<p>2. Preventative Maintenance</p> <p>2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes (Continue with question 2)</li><li><input type="radio"/> No (40 points)</li></ul> <p>If No, please explain, then go to question 3:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No (10 points)</li></ul> <p>2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes<ul style="list-style-type: none"><li><input type="radio"/> Paper file system</li><li><input type="radio"/> Computer system</li></ul></li><li><input type="radio"/> Both paper and computer system</li><li><input type="radio"/> No (10 points)</li></ul>	0
<p>3. O&amp;M Manual</p> <p>3.1 Does your plant have a detailed O&amp;M Manual that can be used as a reference when needed?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No</li></ul>	
<p>4. Overall Maintenance /Repairs</p> <p>4.1 Rate the overall maintenance of your wastewater plant.</p> <ul style="list-style-type: none"><li><input type="radio"/> Excellent</li><li><input checked="" type="radio"/> Very good</li><li><input type="radio"/> Good</li><li><input type="radio"/> Fair</li><li><input type="radio"/> Poor</li></ul> <p>Describe your rating:</p> <div style="border: 1px solid black; padding: 2px;">Through better training,communication, and experience the overall maintenance has improved.</div>	

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<b>Total Points Generated</b>	<b>0</b>
<b>Score (100 - Total Points Generated)</b>	<b>100</b>
<b>Section Grade</b>	<b>A</b>

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## Operator Certification and Education

### 1. Operator-In-Charge

1.1 Did you have a designated operator-in-charge during the report year?

● Yes (0 points)

○ No (20 points)

Name:

Certification No:

0

### 2. Certification Requirements

2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?

Sub Class	SubClass Description	WWTP	OIC		
		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	X			X
A2	Attached Growth Processes				X
A3	Recirculating Media Filters				
A4	Ponds, Lagoons and Natural				
A5	Anaerobic Treatment Of Liquid				
B	Solids Separation	X			X
C	Biological Solids/Sludges	X			X
P	Total Phosphorus	X			X
N	Total Nitrogen				
D	Disinfection	X			X
L	Laboratory	X			X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	NA	NA

0

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2015 - 2016; subclass SS is basic level only.)

● Yes (0 points)

○ No (20 points)

### 3. Succession Planning

3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?

One or more additional certified operators on staff

An arrangement with another certified operator

An arrangement with another community with a certified operator

An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year

A consultant to serve as your certified operator

None of the above (20 points)

If "None of the above" is selected, please explain:

0

### 4. Continuing Education Credits

4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?

OIT and Basic Certification:

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<ul style="list-style-type: none"><li>○ Averaging 6 or more CECs per year.</li><li>○ Averaging less than 6 CECs per year.</li></ul> Advanced Certification: <ul style="list-style-type: none"><li>● Averaging 8 or more CECs per year.</li><li>○ Averaging less than 8 CECs per year.</li></ul>	
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<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

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## Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Brian Kober"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="(262) 677-9001"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="dirpubwks@villageofjackson.com"/></p>																									
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&amp;M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> 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="2015"/></p> <p><input checked="" type="radio"/> 0-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> 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><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> No (40 points)</p>	0																								
<p><b>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</b></p>																									
<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="2015"/></p> <p><input checked="" type="radio"/> 1-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> 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%;"><b>3.2.1 Ending Balance Reported on Last Year's CMAR</b></td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: right;"><input style="width: 100%;" type="text" value="827,134.56"/></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></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="827,134.56"/></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;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="225,604.00"/></td> </tr> <tr> <td>3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)</td> <td style="text-align: center;">-</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="143,537.30"/></td> </tr> <tr> <td>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="909,201.26"/></td> </tr> </table>	<b>3.2.1 Ending Balance Reported on Last Year's CMAR</b>		\$	<input style="width: 100%;" type="text" value="827,134.56"/>	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="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 100%;" type="text" value="827,134.56"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 100%;" type="text" value="225,604.00"/>	3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 100%;" type="text" value="143,537.30"/>	3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 100%;" type="text" value="909,201.26"/>	
<b>3.2.1 Ending Balance Reported on Last Year's CMAR</b>		\$	<input style="width: 100%;" type="text" value="827,134.56"/>																						
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="0.00"/>																						
3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 100%;" type="text" value="827,134.56"/>																						
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 100%;" type="text" value="225,604.00"/>																						
3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 100%;" type="text" value="143,537.30"/>																						
3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 100%;" type="text" value="909,201.26"/>																						

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## Influent Flow and Loading

### 1. Monthly Average Flows and (C)BOD Loadings

1.1 Verify the following monthly flows and (C)BOD loadings to your facility.

Outfall No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average (C)BOD Concentration mg/L	x	8.34	=	Influent Monthly Average (C)BOD Loading, lbs/day
January	0.6678	x	300	x	8.34	=	1,668
February	0.6209	x	305	x	8.34	=	1,579
March	0.7535	x	272	x	8.34	=	1,711
April	1.2038	x	231	x	8.34	=	2,315
May	0.7753	x	324	x	8.34	=	2,093
June	0.9056	x	326	x	8.34	=	2,465
July	0.6963	x	328	x	8.34	=	1,904
August	0.7269	x	320	x	8.34	=	1,937
September	0.7824	x	248	x	8.34	=	1,616
October	0.5055	x	359	x	8.34	=	1,514
November	0.6968	x	237	x	8.34	=	1,378
December	0.8973	x	186	x	8.34	=	1,390

### 2. Maximum Month Design Flow and Design (C)BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	1.875	x	90	=	1.6875
		x	100	=	1.875
Design (C)BOD, lbs/day	2980	x	90	=	2682
		x	100	=	2980

2.2 Verify the number of times the flow and (C)BOD exceeded 90% or 100% of design, points earned, and score:

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times (C)BOD was greater than 90% of design	Number of times (C)BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	0	0
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	0	0
Points		0	0	0	0
<b>Total Number of Points</b>					<b>0</b>

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## 3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

Yes

Enter last calibration date (MM/DD/YYYY)

No

If No, please explain:

## 4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from industries, commercial users, hauled waste, or residences?

Yes

No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

Yes

No

If Yes, please explain:

## 5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

Septic Tanks

Holding Tanks

Grease Traps

Yes

Yes

Yes

No

No

No

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

Septic Tanks

Yes

gallons

No

Holding Tanks

Yes

gallons

No

Grease Traps

Yes

gallons

No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

## 6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

Yes

No

If yes, describe the situation and your community's response.

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6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?  
 Yes  
 No  
If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

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## Effluent Quality and Plant Performance (BOD/CBOD)

### 1. Effluent (C)BOD Results

1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or CBOD

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	17	15.3	4	1	0	0
February	17	15.3	5	1	0	0
March	17	15.3	4	1	0	0
April	17	15.3	6	1	0	0
May	12	10.8	4	1	0	0
June	12	10.8	5	1	0	0
July	12	10.8	4	1	0	0
August	12	10.8	3	1	0	0
September	12	10.8	3	1	0	0
October	12	10.8	3	1	0	0
November	17	15.3	3	1	0	0
December	17	15.3	4	1	0	0

\* Equals limit if limit is <= 10

Months of discharge/yr	12		
Points per each exceedance with 12 months of discharge		7	3
Exceedances		0	0
Points		0	0
<b>Total number of points</b>			<b>0</b>

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is 12/6 = 2.0

1.2 If any violations occurred, what action was taken to regain compliance?

### 2. Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

Yes

Enter last calibration date (MM/DD/YYYY)

05/26/2015

No

If No, please explain:

### 3. Treatment Problems

3.1 What problems, if any, were experienced over the last year that threatened treatment?

No issues

### 4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

Yes

No

If Yes, please explain:

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<p>4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p> <p>If Yes, please explain:</p> <p>_____</p> <p>4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?</p> <p><input type="radio"/> Yes</p> <p><input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>Please explain unless not applicable:</p> <p>_____</p>
---

<b>Total Points Generated</b>	<b>0</b>
<b>Score (100 - Total Points Generated)</b>	<b>100</b>
<b>Section Grade</b>	<b>A</b>

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## Effluent Quality and Plant Performance (Total Suspended Solids)

### 1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	12	10.8	1	1	0	0
February	12	10.8	1	1	0	0
March	12	10.8	1	1	0	0
April	12	10.8	3	1	0	0
May	12	10.8	2	1	0	0
June	12	10.8	2	1	0	0
July	12	10.8	3	1	0	0
August	12	10.8	2	1	0	0
September	12	10.8	1	1	0	0
October	12	10.8	1	1	0	0
November	12	10.8	2	1	0	0
December	12	10.8	3	1	0	0
* Equals limit if limit is <= 10						
Months of Discharge/yr				12		
<b>Points per each exceedance with 12 months of discharge:</b>					<b>7</b>	<b>3</b>
Exceedances					0	0
Points					0	0
<b>Total Number of Points</b>						<b>0</b>

0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is  $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Effluent Quality and Plant Performance (Ammonia - NH3)

### 1. Effluent Ammonia Results

1.1 Verify the following monthly and weekly average effluent values, exceedances and points for NH3

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceedance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceedance
January	7		.0935294	12 0					
February	7		.143125	0					
March	7		.1466666	67 0					
April	4.3		.365	0					
May	5.7		.2164705	88 0					
June	3.9		.1294117	65 0					
July	3.9		.3144444	44 0					
August	3.9		.2716666	67 0					
September	3.9		1.387058	824 0					
October	4.3		.3864705	88 0					
November	7		.3177777	78 0					
December	7		.135	0					

Points per each exceedance of Monthly average:	10
Exceedances, Monthly:	0
Points:	0
Points per each exceedance of weekly average (when there is no monthly average):	2.5
Exceedances, Weekly:	0
Points:	0
<b>Total Number of Points</b>	<b>0</b>

0

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to detect exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to detect exceedances and generate points.

1.2 If any violations occurred, what action was taken to regain compliance?

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Effluent Quality and Plant Performance (Phosphorus)

### 1. Effluent Phosphorus Results

1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.6	1	0
February	1	0.7	1	0
March	1	0.6	1	0
April	1	0.6	1	0
May	1	0.7	1	0
June	1	0.6	1	0
July	1	0.8	1	0
August	1	0.7	1	0
September	1	0.7	1	0
October	1	0.6	1	0
November	1	0.5	1	0
December	1	0.6	1	0
Months of Discharge/yr			12	
<b>Points per each exceedance with 12 months of discharge:</b>				<b>10</b>
Exceedances				0
<b>Total Number of Points</b>				<b>0</b>

0

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is  $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Biosolids Quality and Management

### 1. Biosolids Use/Disposal

1.1 How did you use or dispose of your biosolids? (Check all that apply)

- Land applied under your permit
- Publicly Distributed Exceptional Quality Biosolids
- Hauled to another permitted facility
- Landfilled
- Incinerated
- Other

NOTE: If you did not remove biosolids from your system, please describe your system type such as lagoons, reed beds, recirculating sand filters, etc.

1.1.1 If you checked Other, please describe:

### 2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

1293.30 acres

2.1.2 How many acres did you use?

147 acres

2.2 If you did not have enough acres for your land application needs, what action was taken?

2.3 Did you overapply nitrogen on any of your approved land application sites you used last year?

- Yes (30 points)
- No

2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years?

- Yes
- No (10 points)
- N/A

### 3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

#### Outfall No. 002 - ANAEROBIC LIQUID

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75				6.91										0	0
Cadmium		39	85				3.6										0	0
Copper		1500	4300	1050			760			865			857				0	0
Lead		300	840	<17.4													0	0
Mercury		17	57	<.0014			1.02			1.42			.978				0	0
Molybdenum	60		75				<7.56									0		0
Nickel	336		420				34.2									0		0
Selenium	80		100				<7.56									0		0
Zinc		2800	7500				831										0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

- Exceedence Points
- 0 (0 Points)

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	F
Sample Dates:	04/01/2015 - 06/30/2015
Density:	776,170
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	ANAER
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	F
Sample Dates:	10/01/2015 - 12/31/2015
Density:	40,212
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	ANAER
Process Description:	Anaerobic Digestion

0

4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.

4.2.1 Was the limit exceeded or the process criteria not met at the time of land application?

Yes (40 Points)

No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, Contact Us.

Outfall Number:	002
Method Date:	12/31/2015
Option Used To Satisfy Requirement:	INJ
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	06/30/2015
Option Used To Satisfy Requirement:	INJ
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

5/25/2016

2015

Outfall Number:	002	0
Method Date:	12/31/2015	
Option Used To Satisfy Requirement:	INJ	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):		
Results (if applicable):		
<p>5.2 Was the limit exceeded or the process criteria not met at the time of land application?</p> <p><input type="radio"/> Yes (40 Points)</p> <p><input checked="" type="radio"/> No</p> <p>If yes, what action was taken?</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
<p>6. Biosolids Storage</p> <p>6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?</p> <p><input checked="" type="radio"/> &gt;= 180 days (0 Points)</p> <p><input type="radio"/> 150 - 179 days (10 Points)</p> <p><input type="radio"/> 120 - 149 days (20 Points)</p> <p><input type="radio"/> 90 - 119 days (30 Points)</p> <p><input type="radio"/> &lt; 90 days (40 Points)</p> <p><input type="radio"/> N/A (0 Points)</p> <p>6.2 If you checked N/A above, explain why.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
<p>7. Issues</p> <p>7.1 Describe any outstanding biosolids issues with treatment, use or overall management:</p> <div style="border: 1px solid black; padding: 5px;"> <p>Badger State Haulers do a great job managing the field sites.</p> </div>		

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Staffing and Preventative Maintenance (All Treatment Plants)

<p>1. Plant Staffing</p> <p>1.1 Was your wastewater treatment plant adequately staffed last year?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No</li></ul> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Could use more help/staff for:</p> <div style="border: 1px solid black; padding: 2px;">no</div> <p>1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No</li></ul> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
<p>2. Preventative Maintenance</p> <p>2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes (Continue with question 2)</li><li><input type="radio"/> No (40 points)</li></ul> <p>If No, please explain, then go to question 3:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No (10 points)</li></ul> <p>2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes<ul style="list-style-type: none"><li><input type="radio"/> Paper file system</li><li><input type="radio"/> Computer system</li><li><input checked="" type="radio"/> Both paper and computer system</li></ul></li><li><input type="radio"/> No (10 points)</li></ul>	<b>0</b>
<p>3. O&amp;M Manual</p> <p>3.1 Does your plant have a detailed O&amp;M Manual that can be used as a reference when needed?</p> <ul style="list-style-type: none"><li><input checked="" type="radio"/> Yes</li><li><input type="radio"/> No</li></ul>	
<p>4. Overall Maintenance /Repairs</p> <p>4.1 Rate the overall maintenance of your wastewater plant.</p> <ul style="list-style-type: none"><li><input type="radio"/> Excellent</li><li><input checked="" type="radio"/> Very good</li><li><input type="radio"/> Good</li><li><input type="radio"/> Fair</li><li><input type="radio"/> Poor</li></ul> <p>Describe your rating:</p> <div style="border: 1px solid black; padding: 2px;">Through better training, communication, and experience the overall maintenance has improved.</div>	

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
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<b>Total Points Generated</b>	<b>0</b>
<b>Score (100 - Total Points Generated)</b>	<b>100</b>
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Operator Certification and Education

### 1. Operator-In-Charge

1.1 Did you have a designated operator-in-charge during the report year?

- Yes (0 points)
- No (20 points)

Name:

Certification No:

0

### 2. Certification Requirements

2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?

Sub Class	SubClass Description	WWTP	OIC		
		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	X			X
A2	Attached Growth Processes				X
A3	Recirculating Media Filters				
A4	Ponds, Lagoons and Natural				
A5	Anaerobic Treatment Of Liquid				
B	Solids Separation	X			X
C	Biological Solids/Sludges	X			X
P	Total Phosphorus	X			X
N	Total Nitrogen				
D	Disinfection	X			X
L	Laboratory	X			X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	NA	NA

0

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2015 - 2016; subclass SS is basic level only.)

- Yes (0 points)
- No (20 points)

### 3. Succession Planning

3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?

- One or more additional certified operators on staff
- An arrangement with another certified operator
- An arrangement with another community with a certified operator
- An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year
- A consultant to serve as your certified operator
- None of the above (20 points)

If "None of the above" is selected, please explain:

0

### 4. Continuing Education Credits

4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?

OIT and Basic Certification:

# Compliance Maintenance Annual Report

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<ul style="list-style-type: none"><li>○ Averaging 6 or more CECs per year.</li><li>○ Averaging less than 6 CECs per year.</li></ul> Advanced Certification: <ul style="list-style-type: none"><li>● Averaging 8 or more CECs per year.</li><li>○ Averaging less than 8 CECs per year.</li></ul>	
---	--

<b>Total Points Generated</b>	<b>0</b>
<b>Score (100 - Total Points Generated)</b>	<b>100</b>
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
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## Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 150px;" type="text" value="Brian Kober"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="(262) 677-9001"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="dirpubwks@villageofjackson.com"/></p>																									
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&amp;M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> 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: 50px;" type="text" value="2015"/></p> <p><input checked="" type="radio"/> 0-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> 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><input checked="" type="radio"/> Yes (0 points)</p> <p><input type="radio"/> No (40 points)</p>	0																								
<p><b>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</b></p>																									
<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: 50px;" type="text" value="2015"/></p> <p><input checked="" type="radio"/> 1-2 years ago (0 points)</p> <p><input type="radio"/> 3 or more years ago (20 points)</p> <p><input type="radio"/> 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%;"><b>3.2.1 Ending Balance Reported on Last Year's CMAR</b></td> <td style="width: 5%;"></td> <td style="width: 5%; text-align: right;">\$</td> <td style="width: 30%; text-align: right;"><input style="width: 100%;" type="text" value="827,134.56"/></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></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="827,134.56"/></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;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="225,604.00"/></td> </tr> <tr> <td>3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)</td> <td style="text-align: center;">-</td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="143,537.30"/></td> </tr> <tr> <td>3.2.6 Ending Balance as of December 31st for CMAR Reporting Year</td> <td></td> <td style="text-align: right;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="909,201.26"/></td> </tr> </table>	<b>3.2.1 Ending Balance Reported on Last Year's CMAR</b>		\$	<input style="width: 100%;" type="text" value="827,134.56"/>	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="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 100%;" type="text" value="827,134.56"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 100%;" type="text" value="225,604.00"/>	3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 100%;" type="text" value="143,537.30"/>	3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 100%;" type="text" value="909,201.26"/>	
<b>3.2.1 Ending Balance Reported on Last Year's CMAR</b>		\$	<input style="width: 100%;" type="text" value="827,134.56"/>																						
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="0.00"/>																						
3.2.3 Adjusted January 1st Beginning Balance		\$	<input style="width: 100%;" type="text" value="827,134.56"/>																						
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$	<input style="width: 100%;" type="text" value="225,604.00"/>																						
3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	\$	<input style="width: 100%;" type="text" value="143,537.30"/>																						
3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		\$	<input style="width: 100%;" type="text" value="909,201.26"/>																						

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Jackson (Village) Wastewater Treatment Plant

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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.

Digester mixing upgrade, 2 effluent blowers,

3.3 What amount should be in your Replacement Fund? \$ 225,604.00

Please note: If you had a CWFP 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 HELP link under Info 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	The plants SCADA System is being upgraded in a Two year program to allow for more effective Data collection and communication.	500,000.00	2016

## 5. Financial Management General Comments

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
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## Sanitary Sewer Collection Systems

### 1. CMOM Program

1.1 Do you have a Capacity, Management, Operation & Maintenance (CMOM) requirement in your WPDES permit?

- Yes
- No

1.2 Did you have a documented (written records/files, computer files, video tapes, etc.) sanitary sewer collection system operation & maintenance (O&M) or CMOM program last calendar year?

- Yes (Continue with question 1)
- No (30 points) (Go to question 2)

1.3 Check the elements listed below that are included in your O&M or CMOM program.

Goals

Describe the specific goals you have for your collection system:

Cleaning and televising as much main line sewer as possible within budget and manpower. Continue televising as many private laterals as we can.

Organization

Do you have the following written organizational elements (check only those that apply)?

- Ownership and governing body description
- Organizational chart
- Personnel and position descriptions
- Internal communication procedures
- Public information and education program

Legal Authority

Do you have the legal authority for the following (check only those that apply)?

- Sewer use ordinance Last Revised Date (MM/DD/YYYY)
- Pretreatment/industrial control Programs
- Fat, oil and grease control
- Illicit discharges (commercial, industrial)
- Private property clear water (sump pumps, roof or foundation drains, etc.)
- Private lateral inspections/repairs
- Service and management agreements

Maintenance Activities (provide details in question 2)

Design and Performance Provisions

How do you ensure that your sewer system is designed and constructed properly?

- State plumbing code
- DNR NR 110 standards
- Local municipal code requirements
- Construction, inspection, and testing
- Others:

Overflow Emergency Response Plan:

Does your emergency response capability include (check only those that apply)?

- Alarm system and routine testing
- Emergency equipment
- Emergency procedures
- Communications/notifications (DNR, internal, public, media, etc.)

Capacity Assurance:

How well do you know your sewer system? Do you have the following?

- Current and up-to-date sewer map

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
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- Sewer system plans and specifications
- Manhole location map
- Lift station pump and wet well capacity information
- Lift station O&M manuals

Within your sewer system have you identified the following?

- Areas with flat sewers
- Areas with surcharging
- Areas with bottlenecks or constrictions
- Areas with chronic basement backups or SSOs
- Areas with excess debris, solids, or grease accumulation
- Areas with heavy root growth
- Areas with excessive infiltration/inflow (I/I)
- Sewers with severe defects that affect flow capacity
- Adequacy of capacity for new connections
- Lift station capacity and/or pumping problems
- Annual Self-Auditing of your O&M/CMOM Program to ensure above components are being implemented, evaluated, and re-prioritized as needed
- 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="0.94"/>	% of system/year
Root removal	<input type="text" value="0"/>	% 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="3.4"/>	% of system/year
Manhole inspections	<input type="text" value="1.2"/>	% of system/year
Lift station O&M	<input type="text" value="2"/>	# per L.S./year
Manhole rehabilitation	<input type="text" value="0.5"/>	% of manholes rehabbed
Mainline rehabilitation	<input type="text" value="0.34"/>	% of sewer lines rehabbed
Private sewer inspections	<input type="text" value="2.0"/>	% of system/year
Private sewer I/I removal	<input type="text" value="0.2"/>	% of private services

Please include additional comments about your sanitary sewer collection system below:

## 3. Performance Indicators

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

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

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

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.00	Basement backups (number/sewer mile)
0.00	Complaints (number/sewer mile)
1.5	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
5.7	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:

Replaced a block of sewer line, manholes on georgetown drive. The village also TV All laterals to property line on Georgetown Drive. The village TV inspected 51 private laterals in 2015.

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

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

The village will continue to address I&I by replace old main line that is failing, mamhole repair or replacement as needed. Replaceing private laterals that are found to failing through lateral inspection.

<b>Total Points Generated</b>	0
<b>Score (100 - Total Points Generated)</b>	100
<b>Section Grade</b>	<b>A</b>

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Grading Summary

WPDES No: 0021806

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Ammonia	A	4	5	20
Phosphorus	A	4	3	12
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
<b>TOTALS</b>			<b>37</b>	<b>148</b>
<b>GRADE POINT AVERAGE (GPA) = 4.00</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)

# Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:  
5/25/2016 2015

## Resolution or Owner's Statement

Name of Governing  
Body or Owner:

Village of Jackson

Date of Resolution or  
Action Taken:

06/14/2016

Resolution Number:

16-09

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):

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

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**

May 27, 2016

Village of Jackson  
N168 W20733 Main Street  
Jackson, WI 53037

Attention: Brian Kober, P.E.  
Director of Public Works

Subject: Project I.D. 151021  
Wilshire Drive  
Utility Construction Project  
Estimate #1

Dear Mr. Kober:

Enclosed you will find pay estimate #1 for the Wilshire Drive project in the Village of Jackson. The total amount, due to the contractor, has been reduced by five percent (5%) for retainage. This is per Article 6.02.A.1 Progress Payments; Retainage, of Contract Document 00500, Agreement:

Work completed, Estimate # 1	= \$ 307,681.70
Retainage, Estimate #1 (10%)	= \$ 15,384.09
Amount due to Contractor, Estimate #1	= \$ 292,297.62

If you have any questions or comments, please contact me at (920) 924-5720 or cell (414) 397-8100.

Sincerely,

Kevin Schmidt  
Gremmer & Associates, Inc.

**Gremmer and Associates, Inc.**

93 S. Pioneer Road, Suite 300  
Fond du Lac, WI 54935  
(920) 924-5720  
fax (920)924-5725

**Buteyn-Peterson - Prime Contractor**  
**Village of Jackson - Wilshire Drive**

Item No.	Description	Units	TOTAL	Unit Price	Bid Total	Estimate #1		Estimate #2		Cumulative Totals		% Complete
						Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	
100.01	Removing Concrete	SY	1885	\$3.47	\$6,540.95		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.02	Removing Curb & Gutter	LF	2595	\$2.75	\$7,136.25	1000.00	\$2,750.00	0.00	\$0.00	1,000.00	\$2,750.00	39%
100.03	Excavation Common	CY	2535	\$13.00	\$32,955.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.04	Base Aggregate Dense 3/4-Inch	TON	830	\$17.43	\$14,466.90		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.05	Base Aggregate Dense 1 1/4-Inch	TON	3400	\$10.60	\$36,040.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.06	Breaker Run	TON	100	\$9.23	\$923.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.07	Concrete Driveway 7-Inch	SY	1310	\$43.00	\$56,330.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.08	HMA Pavement, Type E-0.3	TON	1520	\$49.20	\$74,784.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.09	Asphaltic Surface Driveway	TON	10	\$84.50	\$845.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.10	Concrete Curb & Gutter 30-Inch Type D	LF	2600	\$11.30	\$29,380.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.11	Concrete Sidewalk 4-Inch	SF	10300	\$3.51	\$36,153.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.12	Lawn Restoration	SY	4150	\$5.25	\$21,787.50		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
100.13	Erosion Control	LS	1	\$2,300.00	\$2,300.00	0.25	\$575.00	0.00	\$0.00	0.25	\$575.00	25%
100.14	Traffic Control	LS	1	\$1,800.00	\$1,800.00	0.50	\$900.00	0.00	\$0.00	0.50	\$900.00	50%
100.15	Sawing Asphalt	LF	365	\$2.00	\$730.00	326.50	\$653.00	0.00	\$0.00	326.50	\$653.00	89%
100.16	Sawing Concrete	LF	480	\$3.00	\$1,440.00	381.00	\$1,143.00	0.00	\$0.00	381.00	\$1,143.00	79%
200.01	Removing Manholes	EACH	5	\$350.00	\$1,750.00	4.00	\$1,400.00	0.00	\$0.00	4.00	\$1,400.00	80%
200.02	Removing Inlets	EACH	8	\$200.00	\$1,600.00	8.00	\$1,600.00	0.00	\$0.00	8.00	\$1,600.00	100%
200.03	Removing Storm Sewer	LF	1150	\$5.00	\$5,750.00	638.00	\$3,190.00	0.00	\$0.00	638.00	\$3,190.00	55%
200.04	Storm Sewer Pipe PVC SDR-35 4-Inch	LF	1671	\$18.00	\$30,078.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
200.05	Storm Sewer Pipe Reinforced Concrete 12-Inch	LF	167	\$60.00	\$10,020.00	132.50	\$7,950.00	0.00	\$0.00	132.50	\$7,950.00	79%
200.06	Storm Sewer Pipe Reinforced Concrete 15-Inch	LF	812	\$54.50	\$44,254.00	722.50	\$39,376.25	0.00	\$0.00	722.50	\$39,376.25	89%
200.07	Storm Sewer Pipe Reinforced Concrete 18-Inch	LF	54	\$70.50	\$3,807.00	26.50	\$1,868.25	0.00	\$0.00	26.50	\$1,868.25	49%
200.08	Storm Sewer Pipe Reinforced Concrete 24-Inch	LF	434	\$66.50	\$28,861.00	141.00	\$9,376.50	0.00	\$0.00	141.00	\$9,376.50	32%
200.09	Catch Basins 2.5x3-FT w/ Casting	EACH	7	\$1,157.00	\$8,099.00	6.00	\$6,942.00	0.00	\$0.00	6.00	\$6,942.00	86%
200.10	Manholes 4-FT Diameter w/ Casting	EACH	6	\$823.00	\$4,938.00	6.00	\$4,938.00	0.00	\$0.00	6.00	\$4,938.00	100%
200.11	Manholes 5-FT Diameter w/ Casting	EACH	3	\$1,220.00	\$3,660.00	2.00	\$2,440.00	0.00	\$0.00	2.00	\$2,440.00	67%
200.12	Manholes 6-FT Diameter Doghouse w/ Casting "	EACH	1	\$1,789.00	\$1,789.00	1.00	\$1,789.00	0.00	\$0.00	1.00	\$1,789.00	100%
200.13	Inlets 2.5x3-FT w/ Casting	EACH	3	\$1,058.00	\$3,174.00	3.00	\$3,174.00	0.00	\$0.00	3.00	\$3,174.00	100%
200.14	Concrete Collar	EACH	3	\$500.00	\$1,500.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
300.01	Removing Sanitary Sewer Manholes	EACH	1	\$1,388.30	\$1,388.30	1.00	\$1,388.30	0.00	\$0.00	1.00	\$1,388.30	100%
300.02	Abandoning Sanitary Sewer	LS	1	\$500.00	\$500.00	1.00	\$500.00	0.00	\$0.00	1.00	\$500.00	100%
300.03	Adjusting Sanitary Manhole	EACH	7	\$669.00	\$4,683.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
300.04	Connect to Existing Sanitary Sewer	EACH	2	\$500.00	\$1,000.00	2.00	\$1,000.00	0.00	\$0.00	2.00	\$1,000.00	100%
300.05	Sanitary Sewer PVC SDR-35 6-Inch	LF	165	\$93.00	\$15,345.00	90.50	\$8,416.50	0.00	\$0.00	90.50	\$8,416.50	55%
300.06	Sanitary Sewer PVC SDR-35 8-Inch	LF	400	\$93.87	\$37,548.00	397.00	\$37,266.39	0.00	\$0.00	397.00	\$37,266.39	99%
300.07	Sanitary Sewer Manhole w/ Casting	EACH	2	\$3,920.00	\$7,840.00	2.00	\$7,840.00	0.00	\$0.00	2.00	\$7,840.00	100%
400.01	Removing Hydrant	EACH	3	\$1,014.00	\$3,042.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
400.02	Abandoning Water Main	LS	1	\$600.00	\$600.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
400.03	Water Main Pipe HDPE 1 1/4-Inch	LF	855	\$74.00	\$63,270.00	155.00	\$11,470.00	0.00	\$0.00	155.00	\$11,470.00	18%
400.04	Water Main Pipe PVC C-900 6-Inch	LF	35	\$72.00	\$2,520.00	29.50	\$2,124.00	0.00	\$0.00	29.50	\$2,124.00	84%
400.05	Water Main Pipe PVC C-900 8-Inch	LF	1420	\$73.33	\$104,128.60	1347.00	\$98,775.51	0.00	\$0.00	1,347.00	\$98,775.51	95%
400.06	Gate Valve 6-Inch	EACH	3	\$1,800.00	\$5,400.00	3.00	\$5,400.00	0.00	\$0.00	3.00	\$5,400.00	100%
400.07	Gate Valve 8-Inch	EACH	5	\$2,240.00	\$11,200.00	5.00	\$11,200.00	0.00	\$0.00	5.00	\$11,200.00	100%
400.08	Reducer 8-Inch x 6-Inch	EACH	2	\$924.00	\$1,848.00		\$0.00	0.00	\$0.00	0.00	\$0.00	0%
400.09	Anchor Tee 8-Inch x 6-Inch	EACH	3	\$1,071.00	\$3,213.00	3.00	\$3,213.00	0.00	\$0.00	3.00	\$3,213.00	100%
400.10	Cross 8-Inch x 8-Inch	EACH	1	\$1,329.00	\$1,329.00	1.00	\$1,329.00	0.00	\$0.00	1.00	\$1,329.00	100%
400.11	Bend 11.25 Degree 8-Inch	EACH	8	\$950.00	\$7,600.00	8.00	\$7,600.00	0.00	\$0.00	8.00	\$7,600.00	100%
400.12	Bend 22.5 Degree 8-Inch	EACH	2	\$961.00	\$1,922.00	2.00	\$1,922.00	0.00	\$0.00	2.00	\$1,922.00	100%
400.13	Bend 45 Degree 8-Inch	EACH	6	\$965.00	\$5,790.00	2.00	\$1,930.00	0.00	\$0.00	2.00	\$1,930.00	33%
400.14	Connect to Existing Water Main	EACH	4	\$929.00	\$3,716.00	1.00	\$929.00	0.00	\$0.00	1.00	\$929.00	25%
400.15	Hydrant	EACH	3	\$4,076.00	\$12,228.00	3.00	\$12,228.00	0.00	\$0.00	3.00	\$12,228.00	100%
400.16	Temporary 6 Cap w/ 2" Blowoff "	EACH	1	\$2,221.00	\$2,221.00	1.00	\$2,221.00	0.00	\$0.00	1.00	\$2,221.00	100%
400.17	Polystyrene Insulation 4-Inch	SF	96	\$9.00	\$864.00	96.00	\$864.00	0.00	\$0.00	96.00	\$864.00	100%
					<b>SUBTOTAL</b>	<b>\$772,087.50</b>		<b>\$307,681.70</b>		<b>\$0.00</b>	<b>\$307,681.70</b>	<b>40%</b>

Work completed, previous estimates	\$0.00
Work completed, this estimate	\$307,681.70
<b>Total work completed</b>	<b>\$307,681.70</b>
Retainage, this estimate	\$15,384.09
<b>Total Retainage, previous estimates</b>	<b>\$0.00</b>
<b>Total Retainage, final</b>	<b>\$0.00</b>
<b>Amount due to contractor, this estimate</b>	<b>\$292,297.62</b>

# Public Works Report

May 31, 2016

**Treatment Plant -**     Designed Capacity – 1.67 million gallons per day  
   *Peak Flow Capacity – 6.0 million gallons per day*

## Year 2014

January	Avg. Flow 695,355 g.p.d.	Min. Flow 626,000 g.p.d.	Max. 822,000 g.p.d.
February	Avg. Flow 659,286 g.p.d.	Min. Flow 581,000 g.p.d.	Max. 874,000 g.p.d.
March	Avg. Flow 941,613 g.p.d.	Min. Flow 611,000 g.p.d.	Max. 1.285 MGD
April	Avg. Flow 1.172 MGD	Min. Flow 814,000 g.p.d.	Max. 3.188 MGD
May	Avg. Flow 947,322 g.p.d.	Min. Flow 688,000 g.p.d.	Max. 1.474 MGD
June	Avg. Flow 1.199 MGD	Min. Flow 732,000 g.p.d.	Max. 2.223 MGD
July	Avg. Flow 846,226 g.p.d.	Min. Flow 670,000 g.p.d.	Max. 1.646 MGD
August	Avg. Flow 743,322 g.p.d.	Min. Flow 603,000 g.p.d.	Max. 1.039 MGD
September	Avg. Flow 646,567 g.p.d.	Min. Flow 532,000 g.p.d.	Max. 759,000 g.p.d.
October	Avg. Flow 707,484 g.p.d.	Min. Flow 584,000 g.p.d.	Max. 898,000 g.p.d.
November	Avg. Flow 698,267 g.p.d.	Min. Flow 581,000 g.p.d.	Max. 1.086 MGD
December	Avg. Flow 788,065 g.p.d.	Min. Flow 658,000 g.p.d.	Max. 1.228 MGD

## Year 2015

January	Avg. Flow 667,774 g.p.d.	Min. Flow 617,000 g.p.d.	Max. 713,000 g.p.d.
February	Avg. Flow 620,893 g.p.d.	Min. Flow 591,000 g.p.d.	Max. 662,000 g.p.d.
March	Avg. Flow 753,484 g.p.d.	Min. Flow 597,000 g.p.d.	Max. 885,000 g.p.d.
April	Avg. Flow 1.203 MGD	Min. Flow 705,000 g.p.d.	Max. 3.759 MGD
May	Avg. Flow 775,323 g.p.d.	Min. Flow 584,000 g.p.d.	Max. 1.317 MGD
June	Avg. Flow 905,633 g.p.d.	Min. Flow 661,000 g.p.d.	Max. 1.409 MGD
July	Avg. Flow 696,290 g.p.d.	Min. Flow 571,000 g.p.d.	Max. 912,000 g.p.d.
August	Avg. Flow 726,935 g.p.d.	Min. Flow 558,000 g.p.d.	Max. 1.254 MGD
September	Avg. Flow 728,240 g.p.d.	Min. Flow 526,000 g.p.d.	Max. 1.364 MGD
October	Avg. Flow 505,516 g.p.d.	Min. Flow 409,000 g.p.d.	Max. 691,000 g.p.d.
November	Avg. Flow 696,800 g.p.d.	Min. Flow 494,000 g.p.d.	Max. 1.583 MGD
December	Avg. Flow 897,258 g.p.d.	Min. Flow 616,000 g.p.d.	Max. 1.799 MGD

## Year 2016

January	Avg. Flow 611,323 g.p.d.	Min. Flow 451,000 g.p.d.	Max. 924,000 g.p.d.
February	Avg. Flow 640,793 g.p.d.	Min. Flow 496,000 g.p.d.	Max. 851,000 g.p.d.
March	Avg. Flow 821,839 g.p.d.	Min. Flow 567,000 g.p.d.	Max. 1.463 MGD
April	Avg. Flow		

## Years Summary of Water Consumption

2004 Total Pumpage 216,055,000 gallons	2005 Total Pumpage 223,215,000 gallons
2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons

### Year 2014

Jan.	Avg.	620,550 g.p.d.	Highest Day 789,000 gals.	Total	19,237,000 gallons
Feb.	Avg.	612,390 g.p.d.	Highest Day 717,000 gals.	Total	17,147,000 gallons
March	Avg.	603,710 g.p.d.	Highest Day 678,000 gals.	Total	18,715,000 gallons
April	Avg.	602,600 g.p.d.	Highest Day 1.037 MGD	Total	18,078,000 gallons
May	Avg.	599,290 g.p.d.	Highest Day 729,000 gals.	Total	18,578,000 gallons
June	Avg.	658,000 g.p.d.	Highest Day 815,000 gals.	Total	19,740,000 gallons
July	Avg.	684,320 g.p.d.	Highest Day 881,000 gals.	Total	21,214,000 gallons
August	Avg.	703,320 g.p.d.	Highest Day 1.019 MGD	Total	21,803,000 gallons
Sept	Avg.	639,170 g.p.d.	Highest Day 747,000 gals.	Total	19,275,000 gallons
October	Avg.	658,940 g.p.d.	Highest Day 1.042 MGD	Total	20,427,000 gallons
Nov	Avg.	595,800 g.p.d.	Highest Day 733,000 gals.	Total	17,874,000 gallons
Dec	Avg.	610,970 g.p.d.	Highest Day 742,000 gals.	Total	18,940,000 gallons

### Year 2015

Jan.	Avg.	599,680 g.p.d.	Highest Day 719,000 gals.	Total	18,590,000 gallons
Feb	Avg.	587,040 g.p.d.	Highest Day 736,000 gals.	Total	16,437,000 gallons
March	Avg.	582,970 g.p.d.	Highest Day 698,000 gals.	Total	18,072,000 gallons
April	Avg.	601,370 g.p.d.	Highest Day 928,000 gals.	Total	18,041,000 gallons
May	Avg.	585,260 g.p.d.	Highest Day 698,000 gals.	Total	18,143,000 gallons
June	Avg.	640,430 g.p.d.	Highest Day 779,000 gals.	Total	19,213,000 gallons
July	Avg.	722,550 g.p.d.	Highest Day 989,000 gals.	Total	22,399,000 gallons
August	Avg.	733,420 g.p.d.	Highest Day 1.197 MGD	Total	22,736,000 gallons
Sept	Avg.	615,700 g.p.d.	Highest Day 753,000 gals.	Total	18,471,000 gallons
Oct	Avg.	594,840 g.p.d.	Highest Day 945,000 gals	Total	18,440,000 gallons
Nov	Avg.	492,630 g.p.d.	Highest Day 599,000 gals	Total	14,779,000 gallons
Dec	Avg.	555,480 g.p.d.	Highest Day 637,000 gals	Total	17,220,000 gallons

### Year 2016

Jan.	Avg.	580,680 g.p.d.	Highest Day 734,000 gals.	Total	18,001,000 gallons
Feb.	Avg.	603,930 g.p.d.	Highest Day 710,000 gals.	Total	17,514,000 gallons
March	Avg.	586,650 g.p.d.	Highest Day 693,000 gals.	Total	18,186,000 gallons
April	Avg.	660,200 g.p.d.	Highest Day 1.021 MGD	Total	19,806,000 gallons

**Pump Capacity** - Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

**WWTP – Holding & Septage Receiving**

<b>2005</b>	\$ 87,562.01	<b>2006</b>	\$101,115.11	<b>2007</b>	\$152,201.07	<b>2008</b>	\$210,441.47
<b>2009</b>	\$183,815.34	<b>2010</b>	\$197,653.66	<b>2011</b>	\$220,576.28	<b>2012</b>	\$236,224.70
<b>2013</b>	\$235,336.46	<b>2014</b>	\$203,938.32	<b>2015</b>	\$210,644.47		

<b>2014</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
Jan	1,298,100	26,700	8,000	2,000	40,000	\$12,377.30
Feb	1,214,100	42,400	8,000	9,450	16,250	\$12,181.61
March	1,411,000	43,200	5,000	10,300	57,200	\$14,633.31
April	1,634,000	21,800		39,350	191,100	\$19,620.21
May	1,451,750			63,500	199,450	\$18,414.39
June	1,553,200			30,900	253,600	\$19,225.00
July	1,474,650			40,400	205,450	\$17,812.13
August	1,344,650			35,250	187,250	\$16,176.13
September	1,308,700		3,500	54,650	246,050	\$18,292.51
October	1,431,150			89,350	351,950	\$23,106.38
November	1,078,600			66,100	251,214	\$17,013.86
December	1,400,900			12,650	162,910	\$15,085.50

<b>2015</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
Jan	1,326,850			10,250	52,100	\$11,663.89
Feb	1,191,500			2,500	45,400	\$10,171.26
March	1,507,900			16,150	85,900	\$14,102.76
April	1,668,450			35,250	398,200	\$23,878.38
May	1,190,850			31,100	148,600	\$13,890.38
June	1,407,600			37,750	349,100	\$20,794.50
July	1,485,950			33,830	243,660	\$18,589.33
August	1,255,600			28,050	290,860	\$17,810.50
September	1,459,400			15,500	333,350	\$19,899.26
October	1,273,400	7,200		37,150	369,300	\$20,603.82
November	1,336,300			36,200	343,035	\$20,046.14
December	1,610,500			31,200	234,700	\$19,194.26

<b>2016</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
Jan	1,359,400			3,500	47,700	\$11,528.02
Feb	1,443,000			1,500	31,350	\$11,666.26
March	1,515,950			5,600	102,900	\$14,166.14

#### **Cranberry Creek Phase 4**

The Developer has completed the landscaping along Jackson Drive associated with the sidewalk project. We are waiting for the spring season to discuss landscaping between the development and the existing single families along Jackson Drive. No Change.

#### **Final Lift for Developed Subdivisions**

Stonewall Ridge Development phase 2 will not be paved this year along with English Oaks Subdivision. The ownership of the various parcels in both areas needs to be worked out before paving is started. We are reviewing with legal counsel on how to proceed. We have met with BMO Harris the mortgage holder for English Oaks Lot 33 (second phase of English Oaks). BMO believes they are not responsible for the final lift of asphalt.

#### **Rosewood Drive/TIF #4 Expansion Project**

The property still has the potential of being developed. The Village is pursuing taking ownership of the property.

#### **Laurel Springs Subdivision**

The Developer (Bielinski Homes) is working on quotes to pave the final lift asphalt this year. No change.

#### **GIS Program**

Town and Country Engineering have started the process for the GIS system upgrade. We are trying out the new map. The plan will be to acquire the necessary licenses to operate the map. We are using a demo version right now.

#### **Storm Water Management Plan**

The ordinance is being finalized to be incorporated into the new Village Code.

#### **WWTP Boiler Project**

The installation of the grease receiving station to generate more methane gas is being planned, and will start sometime in June.

#### **Wilshire Drive Project LRIP**

The sanitary sewer has been replaced in Wilshire Drive from Georgetown Drive to Chateau Drive. The new water main has been installed, filled, safe sampled, and now the new water services are being tapped. The final connection will be done at Jackson Drive and Wilshire Drive before the replacement of water main in the Chateau Drive intersection. The process will lessen the time frame of customers of being out of water. The storm lateral installation will start next week. We need to complete six on-site inspections to verify sump pump lateral locations. There was a conflict between the electric (We-Energies) crossing and the storm Sewer Main. We-Energies are working on replacing the electric wire and keeping the project on schedule.

Respectfully submitted, Brian W. Kober, P.E.