RESOLUTION #16-09

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

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: Ts. Oberg

Seconded by: Ts. Emmrich

Vote: 6 Aye 0 Nay

Passed and Approved: June 14, 2016

Michael E. Schwab – Village President

Attest: Deanna L Boldrey

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.

Deanna L Boldrey
Village Official

June 14, 2016
Date

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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
Total Number of Points					**0**

0

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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

3. Flow Meter

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

● Yes Enter last calibration date (MM/DD/YYYY) 05/26/2015

o 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

o No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

o 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
o No	o No	o No

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

Septic Tanks

● Yes 3,209,135 gallons

o No

Holding Tanks

● Yes 16,714,300 gallons

o No

Grease Traps

● Yes 7,200 gallons

o No

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

Holding, Septage, and Septage Decant is offloaded into two holding Tanks (aprox 126,000 gals) then metered into the Influent stream eliminating slug loading. Grease is directly offloaded to the Primary Digester. Because of Digester rehab project the plant did't take grease traps.

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?

o Yes

● No

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

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016

Reporting For: **2015**

6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?

o 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.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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
Total number of points						**0**

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

o 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?

o Yes

● No

If Yes, please explain:

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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

4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?

- o Yes
- ● No

If Yes, please explain:

4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?

- o Yes
- o No
- ● N/A

Please explain unless not applicable:

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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	**0**
December	12	10.8	3	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	
Total Number of Points						**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?

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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		.09352941	2 0					
February	7		.143125	0					
March	7		.14666667	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		.27166667	0					
September	3.9		1.3870588	24 0					
October	4.3		.38647058	8 0					
November	7		.31777778	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 averge):	2.5
Exceedances, Weekly:	0
Points:	0
Total Number of Points	**0**

0

NOTE: Limit exceedances are considered for mothly 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 gernate points.

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

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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	
Points per each exceedance with 12 months of discharge:				**10**
Exceedances				0
Total Number of Points				**0**

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?

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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? **0**

- o 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
- o No (10 points)
- o 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: 5/25/2016 Reporting For: **2015**

o 1-2 (10 Points)
o > 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)
o Yes
o No (10 points)
● N/A - Did not exceed limits or no HQ limit applies (0 points)
o 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)
o 1 (10 Points)
o > 1 (15 Points)

0

3.1.4 Were biosolids land applied which exceeded the ceiling limit?
o 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?

4. Pathogen Control (per outfall):
4.1 Verify the following information. If any information is incorrect, Contact Us.

Outfall Number:	**002**
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:	**002**
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

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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

o 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: 5/25/2016 Reporting For: **2015**

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):	

0

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

- o Yes (40 Points)
- ● No

If yes, what action was taken?

6. Biosolids Storage

6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?

- ● >= 180 days (0 Points)
- o 150 - 179 days (10 Points)
- o 120 - 149 days (20 Points)
- o 90 - 119 days (30 Points)
- o < 90 days (40 Points)
- o N/A (0 Points)

0

6.2 If you checked N/A above, explain why.

7. Issues

7.1 Describe any outstanding biosolids issues with treatment, use or overall management:

Badger State Haulers do a great job managing the field sites.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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

Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing

1.1 Was your wastewater treatment plant adequately staffed last year?

- ● Yes
- o No

If No, please explain:

Could use more help/staff for:

no

1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?

- ● Yes
- o No

If No, please explain:

2. Preventative Maintenance

2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?

- ● Yes (Continue with question 2)
- o No (40 points)

If No, please explain, then go to question 3:

2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?

- ● Yes
- o No (10 points)

2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?

- ● Yes
  - o Paper file system
  - o Computer system
  - ● Both paper and computer system
- o No (10 points)

0

3. O&M Manual

3.1 Does your plant have a detailed O&M Manual that can be used as a reference when needed?

- ● Yes
- o No

4. Overall Maintenance /Repairs

4.1 Rate the overall maintenance of your wastewater plant.

- o Excellent
- ● Very good
- o Good
- o Fair
- o Poor

Describe your rating:

Through better training,communication, and experience the overall maintenance has improved.

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016

Reporting For: **2015**

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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: Jeff L. Deitsch / Dan Waala

Certification No: 12234 / 19632

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

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)

0

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

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016

Reporting For: **2015**

○ Averaging 6 or more CECs per year. ○ Averaging less than 6 CECs per year. Advanced Certification: ● Averaging 8 or more CECs per year. ○ Averaging less than 8 CECs per year.	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant | Last Updated: 5/25/2016 | Reporting For: **2015**

Financial Management

1. Provider of Financial Information

Name: Brian Kober

Telephone: (262) 677-9001 (XXX) XXX-XXXX

E-Mail Address (optional): dirpubwks@villageofjackson.com

2. Treatment Works Operating Revenues

2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?

- ● Yes (0 points)
- o No (40 points)

If No, please explain:

2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?

Year: 2015

- ● 0-2 years ago (0 points)
- o 3 or more years ago (20 points)
- o N/A (private facility)

2.3 Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

- ● Yes (0 points)
- o No (40 points)

0

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

3.1 When was the Equipment Replacement Fund last reviewed and/or revised?

Year: 2015

- ● 1-2 years ago (0 points)
- o 3 or more years ago (20 points)
- o N/A

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

3.2.1 Ending Balance Reported on Last Year's CMAR		$	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.)		$	0.00
3.2.3 Adjusted January 1st Beginning Balance		$	827,134.56
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	$	225,604.00
3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	-	$	143,537.30
3.2.6 Ending Balance as of December 31st for CMAR Reporting Year		$	909,201.26

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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

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.

0

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
- o 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.
- o 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

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant | Last Updated: 5/25/2016 | Reporting For: **2015**

Sanitary Sewer Collection Systems

1. CMOM Program

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

- o 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)
- o 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 possibile 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: 5/25/2016 | Reporting For: **2015**

- ☒ 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

0

☒ 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 Managment 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	.94	% of system/year
Root removal	0	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	3.4	% of system/year
Manhole inspections	1.2	% of system/year
Lift station O&M	2	# per L.S./year
Manhole rehabilitation	.5	% of manholes rehabbed
Mainline rehabilitation	.34	% of sewer lines rehabbed
Private sewer inspections	2.0	% of system/year
Private sewer I/I removal	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: 5/25/2016 Reporting For: **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?

o 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?

o 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: 5/25/2016

Reporting For: **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.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	**A**

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: 5/25/2016 Reporting For: **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
TOTALS			**37**	**148**
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:
A = Voluntary Range (Response Optional)
B = Voluntary Range (Response Optional)
C = Recommendation Range (Response Required)
D = Action Range (Response Required)
F = Action Range (Response Required)

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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