

AGENDA
BOARD OF PUBLIC WORKS MEETING
Tuesday, June 25, 2019 at 7:00 p.m.
Jackson Village Hall
N168 W20733 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call.
2. Approval of the Board of Public Works Minutes of May 28, 2019.
3. Resolution 19-16 Adopting 2018 CMAR Jackson Sewer Utility
4. Review of REU Calculation for St. Joseph Hospital Ambulatory Surgery Center Addition
5. Review of US Cellular Antenna Reconfiguration – White Water Tower.
6. Discussion on Jackson Park Alley Reconstruction Project.
7. Review of Quotes on Creating a Yard Waste and Drop-Off Site.
8. Discussion of Village Informational Signs.
9. Director of Public Works Report.
10. Citizens/Village Staff to address the Board.
11. 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, May 28, 2019 at 7:00 p.m.
Jackson Village Hall
N168 W20733 Main Street

1. Call to Order and Roll Call.

Chair Olson called the meeting to order at 7:00 p.m.

Members present: Dan Leonard, Tr. Lippold, Sarah Malchow, Tr. Malcolm, and Gloria Teifke

Members excused: Brian Heckendorf

Others present: Tr. Kurtz

Staff present: Brian Kober, John Walther, and Jilline Dobratz

2. Approval of the Board of Public Works Minutes of April 30, 2019.

Motion by Tr. Lippold, second by Dan Leonard to approve the Board of Public Works minutes of April 30, 2019.

Vote: 6 ayes, 0 nays. Motion carried.

3. Review of US Cellular Antenna Reconfiguration – White Water Tower.

Brian Kober explained this is a major reconfiguration of the antennas. Edge Consulting has been hired by the Jackson Water Utility for review of the structural analysis. Chair Olson questioned if this would require the contract to be renegotiated. John Walther stated it certainly looks like it. Brian Kober commented there are a lot of structural changes being proposed. They are replacing at least three antennas. Dan Leonard commented that US cellular has been replacing their antennas through the whole State. Brian Kober recommended to refer this to the next meeting to gather more information. Chair Olson stated if it falls outside of the contract he would like to see a revised contract.

Motion by Chair Olson, second by Tr. Lippold to refer review of US Cellular Antenna Reconfiguration – White Water Tower to the next meeting while waiting for more information.

Vote: 6 ayes, 0 nays. Motion carried.

4. Review of Maplewood Subdivision Phase 1 – Utility Plans.

Brian Kober stated this is the first phase and staff is currently reviewing the plans. This is reconfirming what was done in the past to allow the sewer and water to be extended. It can be labeled Phase 1 instead of the entire 76 acres, 125 lots. The developer's agreement needs to be written, a letter of credit and finalizing the plans. They utilized the storm sewer in the street and provided a lateral. A storm lateral will be required for each lot, even if it's going to a ditch line. Kevin Dittmar was present and gave background information on the project.

Motion by Chair Olson, second by Dan Leonard to recommend to the Village Board approval of Maplewood Subdivision Phase 1 – Utility Plans, pending any other issues that would arise before the June Village Board.

Vote: 6 ayes, 0 nays. Motion carried.

5. Review of Quotes on Jackson Park Alley Reconstruction Project

Brian Kober has had discussions with property owners through the years. The alley serves properties along Main Street. Miller Monument and Jackson Truck Body uses the area for storage and deliveries. We have allowed them to go into the park and they would turn around in the parking lot. The parking lot is torn up because of the truck turning. Since only one lift of asphalt in on half the parking lot, the parking lot is not holding up. The proposal is to take the Scout building away and create a cal-de sac at the end of the alley for the trucks to turn around. Tr. Lippold inquired on what would be done with the Scout building. Brian Kober stated the troop that used it no longer exists. Kelly Valentino, Park & Recreation Director, reached out to the current troop and they are not interested in it. Tr. Lippold questioned if it has historical value, could it be moved. Brian Kober commented if it gets moved is it worth it if there isn't a use for it. Motion by Chair Olson, second by Tr. Lippold to direct staff to gather more information on the Jackson Park Alley Reconstruction Project and bring it back to the next Board of Public Works meeting.

Vote: 6 ayes, 0 nays. Motion carried.

6. Review of Quotes on Creating a Yard Waste and Drop-Off Site.

Brian Kober reported no additional quotes have been received. He will get a fence quote for next month. Chair Olson stated he wants multiple fence quotes.

Motion by Chair Olson, second by Tr. Lippold to refer review of quotes on creating a yard waste and drop-off site to the next meeting while waiting for more information.

Vote: 6 ayes, 0 nays. Motion carried.

7. Discussion of Village Informational Signs.

Brian Kober reported the signs will be 30" wide. Tr. Lippold clarified the signs with multiple listings will be on the edges of the Village. Brian Kober will contact another sign company for a quote. The sign materials will be equal to standard street signs. Gloria Teifke questioned what the weatherability is, will they fade. Brian Kober will ask the sign companies on the durability of the signs. Dan Leonard commented on other street signs in the Village that are weathered and no longer can be read. Brian Kober will speak to the Street Supervisor.

Motion by Chair Olson, second by Tr. Malcom to refer Village Informational signs to the next meeting.

Vote: 6 ayes, 0 nays. Motion carried.

8. Director of Public Works Report.

Brian Kober gave the report. The average flow is up over a million gallons, it has been very wet. Discussion on County P and Highway 60 intersection on what is the greatest land acquisition that would be needed for reconstruction of the intersection, and what can be used in the southwest corner, 1.39 acres of the old Park and Ride lot for development. A request has been made to the DOT for discussion to start. The weather hasn't cooperated for the Hickory Park playground rubber matting. The fence will stay up until it's completed. The Splash Pad will open this Friday.

Motion by Tr. Lippold, second by Chair Olson to place the Director of Public Works report on file.

Vote: 6 ayes, 0 nays. Motion carried.

9. Citizens/Village Staff to Address the Board.

Tr. Kurtz, N169 W20375 Wilshire Drive spoke on concerns of how Jackson Park looks. Brian Kober stated Jackson Park will be the focus in the next two weeks to get it ready for Action in Jackson and the Beer Garden events.

Gloria Teifke asked if they are working on pulling the pump on Jackson Drive well. Brian Kober commented they are waiting for it to dry out. The ground is saturated and bringing in the big equipment will cause more harm.

Tr. Malcolm stated he takes Tr. Kurtz's criticism to heart and specific improvements should be decided on. Brian Kober agreed, and they take it very seriously. The kitchen ceiling was improved with new milk board, and he spoke on future plans on remodeling the shelter next to the kitchen. A plan needs to be made.

10. Adjourn.

Motion by Chair Olson, second by Gloria Teifke to adjourn.
Vote: 6 ayes, 0 nays. Meeting was adjourned 7:40 p.m.

Respectfully submitted,

Jilline Dobratz, *CMC/WCMC*
Village Clerk

RESOLUTION #19-16

A RESOLUTION ADOPTING THE 2018 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: _____

Seconded by: _____

Vote: _____ Aye _____ Nay

Passed and Approved: _____

Michael E. Schwab – Village President

Attest: _____
Jilline Dobratz – 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

7/9/2019

Date

Compliance Maintenance Annual Report *for Board Approval*

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/19/2019

2018

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.

Influent 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	0.8933	x	318	x	8.34	=	2,369
February	1.0724	x	277	x	8.34	=	2,475
March	1.0113	x	297	x	8.34	=	2,508
April	1.3816	x	258	x	8.34	=	2,969
May	1.5771	x	216	x	8.34	=	2,836
June	1.0530	x	254	x	8.34	=	2,234
July	0.9429	x	298	x	8.34	=	2,341
August	1.3423	x	275	x	8.34	=	3,079
September	1.6080	x	201	x	8.34	=	2,698
October	1.5397	x	186	x	8.34	=	2,388
November	1.2677	x	253	x	8.34	=	2,670
December	1.2177	x	278	x	8.34	=	2,819

2. Maximum Monthly 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	1	0
May	1	0	0	1	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	1	1
September	1	0	0	1	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	1	0
Points per each		2	1	3	2
Exceedances		0	0	5	1
Points		0	0	15	2
Total Number of Points					17

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

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6/19/2019 2018

3. Flow Meter

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

- ☒ Yes Enter last calibration date (MM/DD/YYYY)

2018-08-19

☐ 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

3,443,800 gallons

☐ No

Holding Tanks

☒ Yes

19,412,850 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.

Septic flow is controlled at a rate that doesn't affect the performance of the plant.

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.

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

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☐ 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.

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Total Points Generated	17
Score (100 - Total Points Generated)	83
Section Grade	B

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/19/2019

2018

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	4	1	0	0
March	17	15.3	5	1	0	0
April	17	15.3	5	1	0	0
May	12	10.8	6	1	0	0
June	12	10.8	4	1	0	0
July	12	10.8	5	1	0	0
August	12	10.8	4	1	0	0
September	12	10.8	3	1	0	0
October	12	10.8	4	1	0	0
November	17	15.3	5	1	0	0
December	17	15.3	5	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?

2. Flow Meter Calibration

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

● Yes

Enter last calibration date (MM/DD/YYYY)

2018-08-19

○ No

If No, please explain:

3. Treatment Problems

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

None

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

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2018

If Yes, please explain:

09/28/2018 - High Cl2 residual result due to declor chemical line becoming dislodged and partially sucking air into line. Line was secured and two hours later retested with results less than 12ug/l.

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

☐ 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?

☐ Yes

☐ 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: Reporting For:

6/19/2019

2018

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	2	1	0	0
February	12	10.8	3	1	0	0
March	12	10.8	2	1	0	0
April	12	10.8	2	1	0	0
May	12	10.8	2	1	0	0
June	12	10.8	2	1	0	0
July	12	10.8	2	1	0	0
August	12	10.8	2	1	0	0
September	12	10.8	2	1	0	0
October	12	10.8	2	1	0	0
November	12	10.8	3	1	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: Reporting For:

6/19/2019

2018

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 ammonia

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceed ance	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 Exceed ance
January	7		.19777777	0					
February	7		.453125	0					
March	7		.16823529	0					
April	4.3		.48833333	0					
May	5.7		.49166666	0					
June	3.9		.171875	0					
July	3.9		1.11166666	0					
August	3.9		.25444444	0					
September	3.9		.18647058	0					
October	4.3		.19888888	0					
November	7		.20529411	0					
December	7		.17222222	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
Total Number of Points									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 determine 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 determine exceedances and generate 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: Reporting For:

6/19/2019

2018

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	.85	0.695	1	0
February	.85	0.775	1	0
March	.85	0.744	1	0
April	.85	0.800	1	0
May	.85	0.768	1	0
June	.85	0.644	1	0
July	.85	0.700	1	0
August	.85	0.661	1	0
September	.85	0.542	1	0
October	.85	0.636	1	0
November	.85	0.819	1	0
December	.85	0.575	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				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: Reporting For:

6/19/2019

2018

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:

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				6.29										0	0
Cadmium		39	85				<3.3										0	0
Copper		1500	4300		741		950			21.1				18.7			0	0
Lead		300	840				17.8										0	0
Mercury		17	57				.9										0	0
Molybdenum	60		75				17.2									0		0
Nickel	336		420				25.5									0		0
Selenium	80		100				<19.8									0		0
Zinc		2800	7500				930										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)
- 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)

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6/19/2019

2018

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, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2018 - 12/31/2018
Density:	23,183
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	04/01/2018 - 06/30/2018
Density:	23,183
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2018 - 09/30/2018
Density:	23,183
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/19/2019 2018

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2018 - 12/31/2018
Density:	23,183
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
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, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	002
Method Date:	12/31/2018
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	06/30/2018
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	09/30/2018
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Compliance Maintenance Annual Report

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2018

Outfall Number:	002	0
Method Date:	12/31/2018	
Option Used To Satisfy Requirement:	Injection when land apply	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):		
Results (if applicable):		
5.2 Was the limit exceeded or the process criteria not met at the time of land application?		0
☐ Yes (40 Points)		
☒ No		
If yes, what action was taken?		
6. Biosolids Storage		0
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)		
☐ 150 - 179 days (10 Points)		
☐ 120 - 149 days (20 Points)		
☐ 90 - 119 days (30 Points)		
☐ < 90 days (40 Points)		
☐ N/A (0 Points)		
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:		
No biosolids issues and overall management went well in 2018.		

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

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

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Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing 1.1 Was your wastewater treatment plant adequately staffed last year? ● Yes ○ No If No, please explain: Could use more help/staff for: 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 ○ 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) ☐☐ ○ 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 ○ 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 ○ Paper file system ○ Computer system ● Both paper and computer system ○ No (10 points)	0
3. O&M Manual 3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed? ● Yes ○ No	
4. Overall Maintenance /Repairs 4.1 Rate the overall maintenance of your wastewater plant. ○ Excellent ● Very good ○ Good ○ Fair ○ Poor Describe your rating: The WWTF Staff maintains the plant O&M in a efficient & timely Manner.	

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Jackson (Village) Wastewater Treatment Plant

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

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

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2018

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:

DANIEL J WAALA

Certification No:

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		X		
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		X		
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 2018; 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

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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:

- ☐ 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

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Financial Management

1. Provider of Financial Information	
Name:	Brian W. Kober
Telephone:	262-677-0707 (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) ☐	
○ 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:	2018
● 0-2 years ago (0 points) ☐	
○ 3 or more years ago (20 points) ☐	
○ N/A (private facility)	
2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?	
● Yes (0 points)	
○ No (40 points)	
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]	
3. Equipment Replacement Funds	
3.1 When was the Equipment Replacement Fund last reviewed and/or revised?	
Year:	2018
● 1-2 years ago (0 points) ☐	
○ 3 or more years ago (20 points) ☐	
○ N/A	
If N/A, please explain:	
3.2 Equipment Replacement Fund Activity	
3.2.1 Ending Balance Reported on Last Year's CMAR	\$ 736,978.48
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	\$ 736,978.48
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	\$ 235,533.00

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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) -

\$ 349,490.13

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

\$ 623,021.35

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.

SCADA System upgrade was a major expense.

3.3 What amount should be in your Replacement Fund? \$ 235,533.00

0

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 SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

● Yes

○ No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

● Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

○ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	The current discharge permit has a ten year compliance requirement for lower phosphorus limit. We are investigating a variety of option to meet the lower limit.	75000	2022

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 1

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	259	
February	278	
March	273	
April	273	
May	366	
June	334	
July	243	
August	204	
September	383	
October	344	
November	311	
December	388	
Total	3,656	0
Average	305	0

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- ☐ Comminution or Screening
- ☐ Extended Shaft Pumps
- ☐ Flow Metering and Recording
- ☐ Pneumatic Pumping
- ☒ SCADA System
- ☐ Self-Priming Pumps
- ☒ Submersible Pumps
- ☐ Variable Speed Drives
- ☐ Other:

6.2.2 Comments:

Pull pumps twice a year for preventative maintenance.

6.3 Has an Energy Study been performed for your pump/lift stations?

● No

○ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

none

7. Treatment Facility

7.1 Energy Usage

7.1.1 Enter the monthly energy usage from the different energy sources:

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	111,760	27.69	4,036	73.44	1,522	4,841
February	93,360	30.03	3,109	69.30	1,347	4,579
March	90,480	31.35	2,886	77.75	1,164	2,436
April	106,240	41.45	2,563	89.07	1,193	2,901
May	86,560	48.89	1,771	87.92	985	1,134
June	86,000	31.59	2,722	67.02	1,283	977
July	89,840	29.23	3,074	72.57	1,238	978
August	86,960	41.61	2,090	95.45	911	679
September	88,560	48.24	1,836	80.94	1,094	858
October	81,920	47.73	1,716	74.03	1,107	1,316
November	85,360	38.03	2,245	80.10	1,066	2,029
December	104,320	37.75	2,763	87.39	1,194	4,292
Total	1,111,360	453.59		954.98		27,020
Average	92,613	37.80	2,568	79.58	1,175	2,252

7.1.2 Comments:

Higher electric and gas usage because of Scada System upgrade

7.2 Energy Related Processes and Equipment

7.2.1 Indicate equipment and practices utilized at your treatment facility (Check all that apply):

- ☐ Aerobic Digestion
- ☒ Anaerobic Digestion
- ☐ Biological Phosphorus Removal
- ☐ Coarse Bubble Diffusers
- ☒ Dissolved O2 Monitoring and Aeration Control
- ☐ Effluent Pumping
- ☒ Fine Bubble Diffusers
- ☒ Influent Pumping
- ☐ Mechanical Sludge Processing
- ☒ Nitrification
- ☒ SCADA System
- ☐ UV Disinfection
- ☒ Variable Speed Drives
- ☐ Other:

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7.2.2 Comments:

7.3 Future Energy Related Equipment

7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?

Always looking to save on energy!

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

If Yes, how is the biogas used (Check all that apply):

☒ Flared Off

☒ Building Heat

☒ Process Heat

☐ Generate Electricity

☐ Other:

9. Energy Efficiency Study

9.1 Has an Energy Study been performed for your treatment facility?

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Year:

By Whom:

Describe and Comment:

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

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2018

Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

- ☒ Yes
- ☐ No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

- ☒ Yes
- ☐ No (30 points)
- ☐ N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

☒ Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Prevent Overflows, SSO's and basement backup. Rehabilitation and replacement of collection system components

Did you accomplish them?

- ☒ Yes
- ☐ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)] ☐ ☐

Does this chapter of your CMOM include:

- ☒ Organizational structure and positions (eg. organizational chart and position descriptions)
- ☒ Internal and external lines of communication responsibilities
- ☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

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

Sewer Use Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2017-05-09

Does your sewer use ordinance or other legally binding document address the following:

- ☒ Private property inflow and infiltration
- ☒ New sewer and building sewer design, construction, installation, testing and inspection
- ☒ Rehabilitated sewer and lift station installation, testing and inspection
- ☒ Sewage flows satellite system and large private users are monitored and controlled, as necessary
- ☒ Fat, oil and grease control
- ☒ Enforcement procedures for sewer use non-compliance

☒ Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

- ☒ Equipment and replacement part inventories
- ☒ Up-to-date sewer system map

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- ☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
- ☒ A description of routine operation and maintenance activities (see question 2 below)
- ☒ Capacity assessment program
- ☒ Basement back assessment and correction
- ☒ Regular O&M training

☒ Design and Performance Provisions [NR 210.23 (4) (e)] ☐ ☐

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

- ☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
- ☒ Construction, Inspection, and Testing
- ☐ Others:

☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)] ☐ ☐

Does your emergency response capability include:

- ☒ Responsible personnel communication procedures
- ☒ Response order, timing and clean-up
- ☒ Public notification protocols
- ☒ Training
- ☒ Emergency operation protocols and implementation procedures

☒ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)] ☐ ☐

☐ Special Studies Last Year (check only those that apply):

- ☐ Infiltration/Inflow (I/I) Analysis
- ☐ Sewer System Evaluation Survey (SSES)
- ☐ Sewer Evaluation and Capacity Management Plan (SECAP)
- ☐ Lift Station Evaluation Report
- ☐ Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	1.5	% of system/year
Root removal	0	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	5.3	% of system/year
Manhole inspections	2.3	% of system/year
Lift station O&M	2	# per L.S./year
Manhole rehabilitation	.5	% of manholes rehabbed
Mainline rehabilitation	.1	% of sewer lines rehabbed
Private sewer inspections	4.5	% of system/year

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Private sewer I/I removal % of private services

River or water crossings % of pipe crossings evaluated or maintained

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

3. Performance Indicators

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

Total actual amount of precipitation last year in inches

Annual average precipitation (for your location)

Miles of sanitary sewer

Number of lift stations

Number of lift station failures

Number of sewer pipe failures

Number of basement backup occurrences

Number of complaints

Average daily flow in MGD (if available)

Peak monthly flow in MGD (if available)

Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

Lift station failures (failures/year)

Sewer pipe failures (pipe failures/sewer mile/yr)

Sanitary sewer overflows (number/sewer mile/yr)

Basement backups (number/sewer mile)

Complaints (number/sewer mile)

Peaking factor ratio (Peak Monthly:Annual Daily Avg)

Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) 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

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- No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

Repaired 5 manholes, Replaced 21 laterals to property line, Replaced 3 lateral to home, Replaced 247 feet of mainline, Televised 206 private laterals

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

The utility will continue to address I&I by replacing old mainline when needed, manhole repair or replacement as needed, Replacing private laterals that are found to be failing through lateral inspection.

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

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Last Updated: Reporting For:

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Grading Summary

WPDES No: 0021806

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	B	3	3	9
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	145
GRADE POINT AVERAGE (GPA) = 3.92				

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Jackson

Date of Resolution or
Action Taken:

2019-07-09

Resolution Number:

19-16

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 = B

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. = 3.92



Taking the lead in Washington County.

June 21, 2019

Mr. Joe LaMonte, P.E.
Ring & DuChateau
10101 Innovation Drive Suite 200
Milwaukee, WI 53226

RE: St. Joseph's Community Hospital
Ambulatory Surgery Center – Estimated REUs

Dear Mr. LaMonte:

The Village of Jackson along with the Jackson Sewer and Water Utility has reviewed your determination of the new REUs created with the Ambulatory Surgery Center addition to the Hospital site. Your determination is as follows:

Per your email on June 7, 2019, the REU calculations for the proposed Ambulatory Surgery Center (ASC) addition at St. Joseph's Hospital:

The estimated water usage for the proposed ASC facility is based on the existing MOB water meter readings as previously submitted with the Kraemer Cancer Center (KCC) addition in 2010, plus the estimated water usage for the clinical sterilizer equipment. Since the proposed new building will have a similar outpatient occupancy to the MOB, using the existing MOB as a method for arriving at the estimated water/sewer usage appears to have merit. However, the ASC does have clinical sterilizer equipment that the MOB does not have, so that water usage is added separately to determine the total estimated daily water usage for the proposed ASC building addition. The proposed ASC also has a similar square footage of one MOB floor (approximately 18,000 SF), so the MOB water usage is adjusted accordingly.

From a plumbing design perspective, the proposed ASC is being supplied from the domestic cold-water distribution system internally from the hospital, while domestic hot water is being generated with new gas-fired water heaters located in the ASC. The ASC is fed from an existing 4" domestic cold-water line at the Garden level of the hospital, which has sufficient flow and pressure capacity to supply the proposed 1-story ASC building addition, without any impacts to the existing hospital.

REU calculations and methodology:

- Average existing MOB water usage (2 floors): 714 gallons per day (GPD) = 357 GPD/floor
- Average estimated Ambulatory Surgery Center water usage (1 floor): 357 GPD, plus 1000 GPD for sterilizer equipment (based on manufacturer's listed water consumption data) = 1,357 GPD total
- Estimated REUs for the Ambulatory Surgery Center = $1,357\text{GPD}/300\text{GPD} = 4.5 \text{ REU} = \underline{5 \text{ REU}}$ (rounded up)
- Estimated water impact fees: $5 \text{ REU} \times \$6,000/\text{REU} = \$30,000$

Estimated sewer impact fees: $5 \text{ REU} \times \$6,000/\text{REU} = \$30,000$

WI94N16660
Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

Mailing Address:
P.O. Box 637

www.villageofjackson.com

Upon review of the current REU total of annual water usage average, and the amount connection fee paid, the Hospital (using the worst-case scenario) has an average usage of hundred five (105) REU units compared to the hundred eight (108) REU paid in the year of 2007. The current usage is under the total REU payment that occurred in 2007, thus no payment is necessary at this time for the Ambulatory Surgery Center addition.

The Village of Jackson will continue to monitor the water usage for the Hospital site after the occupancy of the Ambulatory Surgery Center addition and determine if additional REUs will need to be charged. The Hospital authorities will be notified in advance if additional connection fees charges will be enforced.

The Board of Public Works Committee at the June 25, 2019 meeting will review the estimated REUs for the Ambulatory Surgery Center and will give a recommendation to the Village Board for the July 9, 2019 meeting.

If you have any questions, please do not hesitate to call me at 262-677-0707.

Sincerely,

A handwritten signature in black ink, appearing to read 'B. W. Kober', with a stylized flourish at the end.

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

C: John Walther, Village Administrator

From: Joe LaMonte <jlamonte@ringdu.com>
Sent: Friday, June 7, 2019 2:13 PM
To: Brian Kober (dirpubwks@villageofjackson.com)
Cc: dpufahl@froedterthealth.org
Subject: FH SJWB Surgery Center Addition - Water/Sewer Impact Fee Statement
Attachments: Kraemer Cancer Center REU calculation letter 2 2 2011.pdf

Flag Status: Flagged

Mr. Brian Kober,

Thank you for bringing this to the project team's attention, sorry we did not get this to you sooner. I understand that you spoke with Dean Pufahl at the hospital, and he has asked me to send you the requested information in regards to the estimated water usage to determine water/sewer impact fees.

Below are the REU calculations for the proposed Ambulatory Surgery Center (ASC) addition at St. Joseph's Hospital:

The estimated water usage for the proposed ASC facility is based on the existing MOB water meter readings as previously submitted with the Kraemer Cancer Center (KCC) addition in 2010, plus the estimated water usage for the clinical sterilizer equipment. Since the proposed new building will have a similar outpatient occupancy to the MOB, using the existing MOB as a method for arriving at the estimated water/sewer usage appears to have merit. However the ASC does have clinical sterilizer equipment that the MOB does not have, so that water usage is added separately to determine the total estimated daily water usage for the proposed ASC building addition. The proposed ASC also has a similar square footage of one MOB floor (approximately 18,000 SF), so the MOB water usage is adjusted accordingly.

From a plumbing design perspective, the proposed ASC is being supplied from the domestic cold water distribution system internally from the hospital, while domestic hot water is being generated with new gas-fired water heater's located in the ASC. The ASC is fed from an existing 4" domestic cold water line at the Garden level of the hospital, which has sufficient flow and pressure capacity to supply the proposed 1-story ASC building addition, without any impacts to the existing hospital.

REU calculations and methodology:

- Average existing MOB water usage (2 floors): 714 gallons per day (GPD) = 357 GPD/floor
- Average estimated Ambulatory Surgery Center water usage (1floor): 357 GPD, plus 1000 GPD for sterilizer equipment (based on manufacturer's listed water consumption data) = 1,357 GPD total
- Estimated REUs for the Ambulatory Surgery Center = $1,357\text{GPD}/300\text{GPD} = 4.5 \text{ REU} = \underline{\underline{5 \text{ REU}}}$ (rounded up)
- Estimated water impact fees: $5 \text{ REU} \times \$6,000/\text{REU} = \$30,000$
- Estimated sewer impact fees: $5 \text{ REU} \times \$6,000/\text{REU} = \$30,000$

I have attached the Village of Jackson determination letter from the KCC 2010 building addition for reference. Based on the statements in this letter, the updated REU total for the Hospital campus with the new ASC building addition is (103) REU. Since the hospital had previously paid for (108) REU in 2007, there should be no additional impact fees due at this time.

The above should satisfy your request. Please let me know if you have any questions.

Sincerely,

Joe LaMonte – PE, CPD
Partner, Plumbing Department Manager
ilamonte@ringdu.com

Ring & DuChateau, LLP
17400 W. Capitol Drive
Brookfield, WI 53045

Direct: 414.778.7440
Cell: 414.303.3174
Main: 414.778.1700
Fax: 414.778.2360



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Village of Jackson Water Usage
St. Joseph's Community Hospital
Account No. 000-8002-00
June 21, 2019
(4" Meter)

[illegible]

<u>Time Line for Construction</u>		Calculated REUs	<u>Using a 3 Year Average:</u>			
Jun-05	Occupancy of Hospital	90	Year 2012	11,689,000 Gal/Yr		
2006	Occupancy of MOB	18	Year 2013	11,366,000 Gal/Yr		
			Year 2014	11,210,000 Gal/Yr		
				Gal/Yr		
			Total	34,265,000 Gal/Yr		
			3 year avg.	11,421,667 Avg. Gal/yr		
				104.3 REU Units		
	Total	108				
			year	REU's Paid	Sewer/Water	Amount Paid
			2007	108	\$12,000.00	\$1,296,000.00

Note:

300 gallons per day is a REU (residential equivalent unit) for non-residential users or 109,500 gallons per year for residential users. As per Resolution 01-31, the water utility service fee and the sewer utility service fee for the connection to the Village's sewer and water infrastructure from land presently in the Town of Polk is \$6,000.00 each.

Adjusted Sewer Connection Fee
Adjusted Water Connection Fee

REU Units	Fees	Total Impact Fee
98	\$6,000.00	\$588,000.00
98	\$6,000.00	\$588,000.00

Total Impact Fees **\$1,176,000.00**

6/21/2019 2:07 PM

Meter Information

Page: 1
UTIL

Account Nbr: 000-8002-00

Customer Name: ST. JOSEPH'S COMMUNITY HOSPITAL

Service Address: 3200 PLEASANT VALLEY RD.

PSC Classification: Commercial

Meter Nbr: 64080325

Rate Type: 4" METER

Install Date: 4/05/2017

Route/Seq Nbr: 96-3730

Location: E

Pressure Zone Cd: 00

ROM Serial Nbr:

ROM Install Date:

Register ID: 56769276

MXU/MIU ID: 80422234

Utilities: SEWER

WATER

Memos: 1st:

2nd:

3rd:

<u>Read Date</u>	<u>Reading</u>	<u>Consumption</u>	<u>Comment</u>
3/29/2019	138788000	1664000	Remote Reading
12/31/2018	137124000	1732000	Remote Reading
9/30/2018	135392000	2902000	Remote Reading
6/30/2018	132490000	2224000	Remote Reading
3/31/2018	130266000	1983000	Remote Reading
1/02/2018	128283000	1816000	Remote Reading
9/30/2017	126467000	2777000	Remote Reading
6/30/2017	123690000	2047000	Remote Reading
4/03/2017	121643000	2000000	Remote Reading
12/31/2016	119643000	1629000	Remote Reading
10/09/2016	118014000	3279000	Remote Reading
6/30/2016	114735000	2163000	Remote Reading
3/30/2016	112572000	2140000	Remote Reading
12/31/2015	110432000	1857000	Remote Reading
9/30/2015	108575000	3047000	Remote Reading
6/30/2015	105528000	2113000	Remote Reading
4/07/2015	103415000	2691000	Remote Reading
12/29/2014	100724000	1963000	Remote Reading
9/29/2014	98761000	3105000	Remote Reading
7/01/2014	95656000	2671000	Remote Reading
3/31/2014	92985000	2941000	Remote Reading
12/30/2013	90044000	2493000	Remote Reading
9/26/2013	87551000	3390000	Remote Reading
6/27/2013	84161000	2696000	Remote Reading
3/25/2013	81465000	2942000	Remote Reading
12/26/2012	78523000	2338000	Remote Reading
9/28/2012	76185000	3582000	Remote Reading
7/02/2012	72603000	3070000	Remote Reading
3/30/2012	69533000	2715000	Remote Reading
12/27/2011	66818000	2322000	Remote Reading



June 3rd 2019

RE: US Cellular Antenna Project
US Cellular Site Name: Jackson WT
US Cellular Site Number: 784425

Brian W. Kober. P.E.
Director of Public Works/Village Engineer
W194 N16660 Eagle Drive
PO Box 637
Jackson, WI 53037

Brian,
US Cellular currently leases space for antennas and equipment at the Village water tower site on Sysco Drive in the Village of Jackson. US Cellular would like to move (6) small radio units from their shelter up to the top of the tower near their antennas. They would also like to remove (6) existing lines of coax and replace them with (1) hybrid line and a small Raycap Junction box to be mounted up top, near the antennas as well.
Thanks,

Todd Berlinski

Regional Project Manager
Faulk & Foster Real Estate, Inc
637 Virginia Avenue
East Lansing, MI 48823
(517) 974-2425



Taking the lead in Washington County.

**VILAGE OF JACKSON
REQUEST FOR QUOTES
Fencing and Gate for Yard Waste Site
W194 N16660 Eagle Drive, Jackson WI 53037**

The Village of Jackson is requesting quotes for fence and a slide gate for a proposed yard waste area located at W194 N16660 Eagle Drive, Jackson WI 53037. The completed quote shall be returned to the Engineering Department on or before **8:00 AM on Friday, June 21, 2019.**

Background Information

1. Furnish and install 200 ft of Chain Link Fence without barbed wire, including (1) sliding gate. Fence to be 6 ft high overall.
2. All terminal posts will be set in 36-inch-deep concrete for frost protection and all unbraced line posts will be driven 36-inch-deep for frost protection.
3. Slide gate posts will be set in 48-inch-deep concrete.
4. Fill all fabric with Privacy Decorative Slats. Color to match existing or similar.

Specifications of New Fence & Gate

1. All posts, rails, and applicable fittings above and below ground, will be zinc coated by the hot-dip process in accordance with ASTM F-1083 A-90, and A-626.
2. Fabric is 2-inch mesh #9-gauge aluminized steel.
3. Top Rail is 1-5/8-inch O.D. SS20 pipe weighing 1.431 lbs. per lineal foot.
4. Line posts are 2-1/2-inch O.D. SS20 pipe weighing 2.32 lbs. Posts will be spaced a maximum of 10 ft on center.
5. All terminal, end, & corner posts will be 3-inch O.D. SS20 pipe weighing 3.25 lbs. per lineal foot.
6. Slide gate will be 25 ft wide by 6 ft high. Gate will slide horizontally on external rollers with protective covers attached to the gate posts. Slide gate frames will be constructed of 2-1/2-inch O.D. SS40 pipe welded at all corners to form a rigid panel and filled with fabric to match the fence. Fabric to be filled with privacy decorative slats. Color to match fence.

W194N16660
Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

Mailing Address:
P.O. Box 637

www.villageofjackson.com



**VILAGE OF JACKSON
REQUEST FOR QUOTES**

Fencing and Gate for Yard Waste Site *Taking the lead in Washington County.*
W194 N16660 Eagle Drive, Jackson WI 53037

Page 2 of 2

Slide Gate Operator

1. The slide gate operator shall include the following:
 - A) 1 linear HSLG 1 HP slide gate operator
 - B) 1 photoelectric safety beam (gate opening)
 - C) 1 electronic safety edge system (gate tail)
 - D) 1 free exit loop
 - E) 1 safety loop
 - F) 1 gooseneck stand
 - G) 2 Standalone proximity card/fob reader (No pin codes just card scan)
2. Options on 10 pack of key Fobs, and 100 pack of cards.

Provide Labor & material cost for each section.

Total Amount \$

If you have any questions regarding this Request for Quote or if you would like to review the site, please give me a call at 677-0707.

Sincerely

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

Enclosures

W194N16660
Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

Mailing Address:
P.O. Box 637

www.villageofjackson.com

New 6ft chain link fence

31'-1"

60'-0"

Existing fence

Existing fence

10'-0"

1,991 sf

25'-0"

New 25' slide gate w/ card reader

11,250 sq.ft of 9" stone base and 2.5" asphalt binder and 1.5" asphalt surface.

New 6ft chain link fence

40'-0"

Existing Fence

75'-0"

New 6ft high chain link fence

150'-0"

Google Earth



SALES QUOTE

Customer Copy

Number	Q1910952
Date	6/17/2019
Page	1

5100 West Brown Deer Road • Brown Deer, WI 53223
Phone (800) 236-0112 • tapconet.com • Fax (800) 444-0331

Sell To Cust. C583	Village Of Jackson Brian Kober N168 W20733 Main Street Jackson, WI 53037-9414 USA			Ship To Cust.	Village Of Jackson Brian N168 W20733 Main Street Jackson, WI 53037-9414 USA	
Customer PO #		Expires	Slsp	Terms	Freight	Ship Via
WAYFINDING SIGNS		7/17/2019	Aaron Guilbault	Net 30 DAYS	QUOTED	BEST RATE

Item	Description	Quantity	UM	Price	Extension
SP SIGN	Sign,30"x24"x.125,HIP, Custom Cut w/(2) med extrusions, Digital Print with overlay Qty 1: Public Works -> Qty 1: Jackson Park -> Qty 1: Lodging ua, Business Park -> Qty 1: Lodging <-. Business Park ->	4	EA	127.60	\$510.40
SP SIGN	Sign,30"x30"x.125,HIP, Custom Cut w/(2) med extrusions, Digital Print with overlay Business Park ->, Lodging ua, Park N Ride Lot ->	1	EA	194.25	\$194.25
SP SIGN	Sign,30"x42"x.125,HIP, Custom Cut w/(3) med extrusions, Digital Print with overlay Jackson Park <- Hickory Park -> Community Center -> Jackson Elementary -> Splash Pad ->	1	EA	230.90	\$230.90
SP SIGN	Sign,30"x60"x.125,HIP, Custom Cut w/(4) med extrusions, Digital Print with overlay Qty 1: Parks-Hickory/Jackson ua, Community Center ua, Village Hall ua, Safety Building ua, Jackson Elementry ua, Lodging ua, Business Park us, Public Works <- Qty 1: Parks-Hickory/Jackson ua, Public Works ua, Community Center ua, Village Hall ua, Safety Building ua,	2	EA	256.45	\$512.90

Shipment within _____
Acceptance By _____
Date _____
By _____

Merchandise	Freight	Tax	Total
\$1,776.05	\$130.00	\$0.00	\$1,906.05

For terms and conditions, please visit: <http://www.tapconet.com/terms-and-conditions>



SALES QUOTE

Customer Copy

Number	Q1910952
Date	6/17/2019
Page	2

5100 West Brown Deer Road • Brown Deer, WI 53223
Phone (800) 236-0112 • tapconet.com • Fax (800) 444-0331

Sell To Cust. C583	Village Of Jackson Brian Kober N168 W20733 Main Street Jackson, WI 53037-9414 USA			Ship To Cust.	Village Of Jackson Brian N168 W20733 Main Street Jackson, WI 53037-9414 USA	
Customer PO #		Expires	Slsp	Terms	Freight	Ship Via
WAYFINDING SIGNS		7/17/2019	Aaron Guilbault	Net 30 DAYS	QUOTED	BEST RATE

Item	Description	Quantity	UM	Price	Extension
	Jackson Elementary ua, Lodging ua, Business Park <- Park and Ride Lot <-				
645-00034	Universal post channel clamp,Round Post,strapping is sold separately	21	EA	9.95	\$208.95
138775	Stainless Steel Strapping,.050"x.025"x30"Long,with built in ValuClip	21	EA	5.65	\$118.65
	Thank you- Aaron Guilbault #920-728-1792 aaron@tapconet.com #888-806-8885				

Shipment within _____
Acceptance By _____
Date _____
By _____

Merchandise	Freight	Tax	Total
\$1,776.05	\$130.00	\$0.00	\$1,906.05

For terms and conditions, please visit: <http://www.tapconet.com/terms-and-conditions>

Fully Custom Signage...TAPCO Has You Covered

TAPCO has the ability to make custom shaped signs with custom artwork and custom Pantone™ colors. Call us today to get started on your custom design.

Custom Wayfinding & Community Identification Signage



Custom Business Signage



Emotionally Intelligent Signage for Schools & Neighborhoods



Custom Parking Lot Signage



Contact Us for a Custom Sign Quote Today

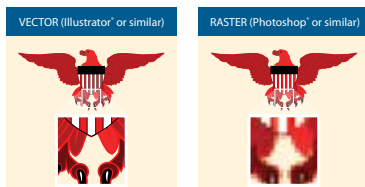
TAPCO takes pride in the professional production of custom signage! Send us your artwork or let us help you create your one-of-a-kind sign. If you submit artwork, we are happy to determine if your files are production ready, free of charge. If you require additional artwork to be created for production, we are able to create it with an additional fee.

1. Initial Quote

Simply supply us with the sign requirements (reflectivity, colors, quantities, etc.) and we can create your design for you, or send us the artwork you'd like to use, and we can determine the cost of production.

2. Artwork Submission

In order to ensure the highest quality, we require that art be sent to us in the following formats with native extensions: ".ai", ".eps" or a true-vector* ".pdf".



.ai

.eps

.pdf*

Why Vectors? Vectors can be scaled up or down without any loss of quality. Raster images are composed of connected dots (pixels) and vectors are images composed of connected lines. Each pixel is a tiny square, whereas vector images are defined by math, not pixels.

3. Optional Custom Design

If the original source file is unavailable, not production ready or you are starting with a concept/sketch, let our in-house design team design your custom sign for you. This service will incur a separate, custom design (or re-creation) charge: which will be quoted after the initial review of the project, but prior to production.

4. Custom Artwork Review

An art proof of your custom design will be ready for you to review and make any necessary changes as needed.

5. We Will Work With You to Get it Right

Once the majority of your design is finalized, TAPCO will offer complimentary minor edits as needed which may involve strokes (line widths), word changes and/or colors. Adding new graphics after initial approval may incur additional design fees.

6. Custom Final Art Proof

To ensure you are happy with the result, we will send you a proof to approve on before fabrication begins. Changes may be made at this time, but may also be subject to additional fees – as additional work may be needed.

Aluminum Sign Stiffeners

Manufactured with high quality stainless steel and aluminum. Sign stiffeners mount to flat sheet sign blanks or panels. Fasten with mechanical fasteners or 3M™ VHB (Very High Bond) tape for a clean, no bolt head, no hardware look (**sold below**). Sign stiffeners offer proper support of the sign blanks.

- Molded channels accept stainless steel clamps which fasten the sign to the post (**see Universal Post Channel Clamp below**).
- Designed to meet AASHTO Standard Specifications for highway signs, luminaries and traffic signs

Medium sign stiffener, 10'	645-05310	\$29²⁵
Medium sign stiffener, 12'	645-05312	\$38²⁰
Large sign stiffener, 16'	645-05516	\$83⁴⁰
Large sign stiffener, 20'	645-05520	\$104⁴⁰



Large sign stiffener

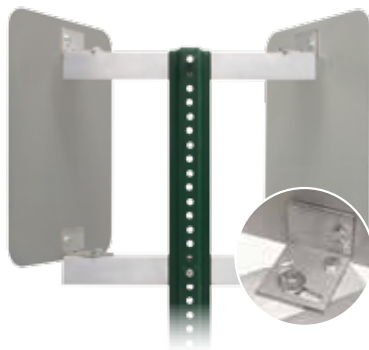
Medium sign stiffener

Please note: any product over 8' must ship via common carrier

Chevron Adjustable Bracket

- Attaches to U-Channel Posts
- Mounts 2 Signs to Post
- Adjusts to any sign angle after installation
- Hardware included

Bracket, Chevron, CAB-1 Holds 12"W x 18"H - 18"W x 24"H	037-00029	\$52⁰⁰
Bracket, Chevron, Cab-2 Holds 18"W x 24"H - 24"W x 30"H	037-00104	\$59⁹⁵
Bracket, Chevron, CAB-3 For 24"W x 30"H And 30"W x 36"H	106790	\$64⁹⁵



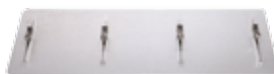
Overhead Mast Arm Frame Mounting Hardware Kits

- Aluminum stiffeners, stainless steel clamps and all necessary hardware for a maintenance-free installation
- Assembled kits allow clamp adjustment to match mast arm angle
- Kits can be mounted with pop rivets or with 3M™ VHB (Very High Bond) tape (**sold above**)

Frame mounting kits

CALL

Vertical frame mounting hardware kit



Medium frame mounting hardware kit



Large frame mounting hardware kit



Mast Arm Sign Bracket

- For oversized street name signs
- Available sizes:

Band length: 29", 36", 42", 48" and 56"

Tube length: 16", 22", 28", 34", 40", 46", 52", 58", 64", 70", 76", 82", 88", 94", 100", 106", 112" and 118"



Mast arm sign bracket

CALL

Please specify sign width and post diameter when ordering

Cable Mounting Bracket

- For overhead cables
- Heavy-duty aluminum with steel-plating
- Bracket swivels to any angle and adjusts to compensate for tilt
- For cables 1/4" to 3/8" and any size sign
- All hardware included

Cable mounting bracket	037-01177	\$35¹⁰
------------------------	---------------------------	--------------------------



3M VHB Tape



A permanent replacement for screws, rivets, welds, and other forms of mechanical fasteners.

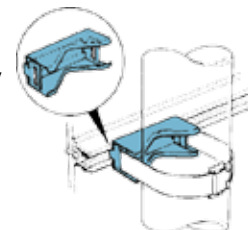
- Permanently adhere one substrate to another
- Spreads the stress load across the entire length of the joint
- Waterproof, creates a permanent seal against environmental elements
- 1" x 36 yards



VHB tape, 36 yard roll	645-00001	\$169⁹⁵
------------------------	---------------------------	---------------------------

Universal Post Channel Clamp

- Engineered to support and mount signs to any type of round post or pole
- Stiffening system allows for such unique mountings as offsetting signs to one side of a post, reducing number of posts needed
- Attaches to the post or pole with stainless steel band and buckle
- Other clamp types available



Universal post channel clamp	645-00034	\$13²⁵
------------------------------	---------------------------	--------------------------

More items available online!

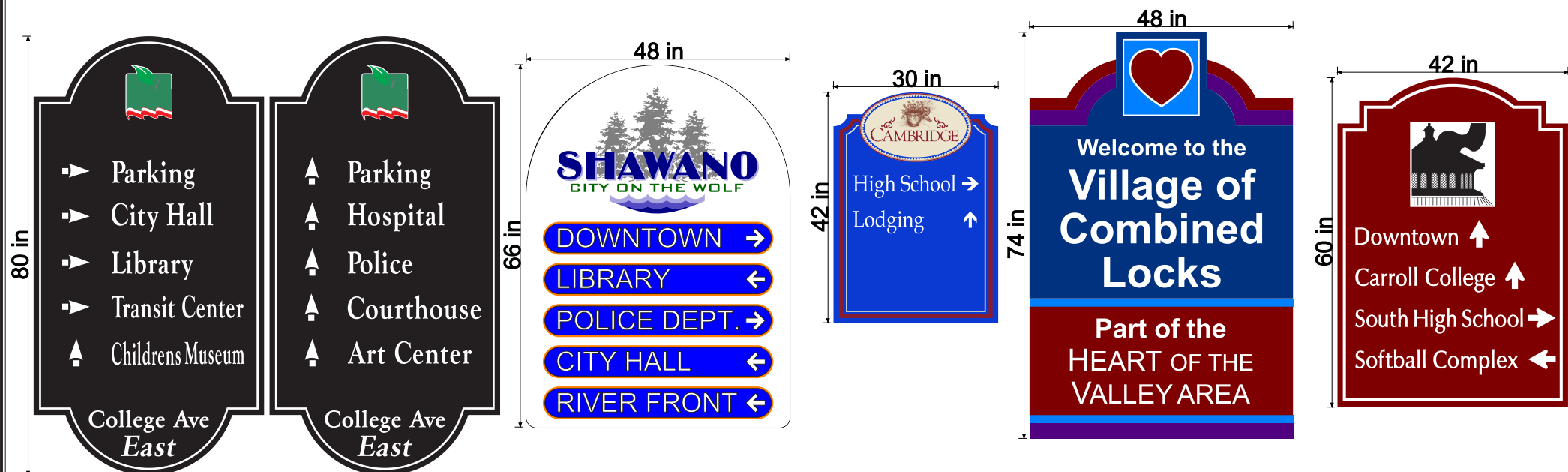
www.tapconet.com

Customer:
Customer Contact:
Customer ID #:
File Name:
Date:
Job #:
TAPCO Phone: 800-236-0112
Approved By:



- Black
- Rust Orange
- sp colo
- sp color 1
- Arial-Regular
- Arial-Bold

- Blue
- sp color2 1
- HWYB-Regular





*State of Wisconsin
Department of Transportation*

Traffic Guidelines Manual

ORIGINATOR Director, Bureau of Traffic Operations		2-15-6
CHAPTER 2	Signing	
SECTION 15	Comprehensive Guiding Policies	
SUBJECT 6	Community Wayfinding Signs	

A. Purpose

This policy sets the uniform, Wisconsin state standards for signs, which communities *may* install by permit on conventional State Trunk Highways under DOT jurisdiction to provide directional guidance to public facilities and traffic generators within the community.

The 2009 MUTCD, Section 2D.50 provides guidelines and standards for Community Wayfinding signing. Substantial conformance of these signs to the MUTCD and DOT policy is required by state law. Poorly designed and/or cluttered guide signs will not meet these requirements and could adversely impact safety.

On local streets and connecting highways, local agencies have the authority to install destination signs for local attractions and generators. If there is deviation from state and national standards to the extent that highway signing would adversely affect driving behavior, local agencies may face liability problems.

Therefore this policy establishes the following to be applied to Community Wayfinding Signing on State Highways under DOT jurisdiction:

1. the qualifying criteria for Community Wayfinding Signing;
2. guidance on qualifying destinations or facilities;
3. clarification of sign design and installation standards, applicable to WisDOT
4. the application and permit process for roadways under WisDOT jurisdiction.

B. Definitions

Community Wayfinding Signs

These are the signs, allowed by permit, which are owned and maintained by the community and direct to

1. municipal area destinations such as Downtown, or Historic District,
2. individual destinations that are publicly leased or owned and operated for public use, such as City Hall, Convention Center, and local parks, or
3. privately owned non-profit facilities open to the public, such as a local museum or ice center.

Trailblazing Signs

In this context, these are community destination signs that direct subsequent turns on local streets to reach the destination.

Trailblazing (directional route signing) to state routes is the responsibility of WisDOT and will not be permitted on Community Wayfinding Signs.

C. Policy for Installation on State Trunk Highways

The Department will allow the local agency, by permit, to install and maintain community wayfinding signs on the right-of-way of the conventional state trunk highway system, subject to the destinations, design, location, and maintenance of the signs being reviewed and found satisfactory by the Department. These signs **shall not** be permitted on freeways or expressways.

This policy does not apply to banners, which are addressed in TGM 13-12-1 or civic displays, which are addressed in TGM 13-12-5.

1. QUALIFYING CRITERIA FOR COMMUNITY WAYFINDING SIGNING PROGRAMS

Community wayfinding signs will not be permitted outside a readily apparent urban developed area, usually characterized by a reduced speed limit, nearby transition to curb and gutter, and dense residential and/or business development adjacent to the highway.

Geographical areas or districts within a community *may* be permitted Community Wayfinding Signing. Two or more adjacent communities in an urbanized area may coordinate a common signing program, but the department will issue separate permits to each individual municipality.

No countywide programs will be permitted.

The community must develop a Master Plan for Community Wayfinding Signing, which contains the following information:

1. A map of the community, including the city street/local road system, which clearly identifies:
 - Exact locations of destinations and attractions to be included in this signing program.
 - State trunk highway approaches to city street/local road intersections where

- signing is proposed.
 - Which destination(s) and attraction(s) are to be signed on each state trunk highway approach at each city street/local road intersection.
 - City street/local road intersections where trailblazing signing is required to direct motorists to each facility.
2. A concept design of a typical community wayfinding sign, which *may* include the city logo, a street name and up to a total of three destinations/attractions. A maximum of three destinations should be displayed on a sign.

The Master Plan **shall** be submitted to the WisDOT Regional Traffic Engineer for review. This submittal **shall** be initiated and coordinated by the community and **shall** identify one contact or lead person in the community, through which all Department correspondence and contact will be made.

If a community obtains DOT approval for Community Wayfinding Signing, no new requests for traffic generator signing, which would qualify for Community Destination Signs, will be approved within the community.

2. QUALIFYING DESTINATIONS OR FACILITIES

Destinations or attractions must be of general interest to the traveling public and **shall not** be a retail, business or manufacturing center. The individual destinations **shall** be publicly leased or owned and operated facilities for public use or privately owned non-profit facilities open to the public.

Destinations which qualify for either Supplemental Traffic Generator signing or Community Wayfinding Signing,

- *should* be included on the Community Wayfinding Signs,
- *may* be on permitted supplemental signing,
- but **shall not** be on both at the same intersection approach.

A specific destination **shall** only be displayed on one sign structure in each direction on a highway unless straight ahead signing is also approved by the Regional Traffic Engineer.

This type of signing **shall not** display advertising for a commercial product or service.

IH, USH or STH directional signage **shall not** be allowed on Community Wayfinding signs.

3. SIGN DESIGN STANDARDS

Shape

The shape of the signs **shall** be rectangular and *may* have rounded corners. A rounded or other regular geometric shape on the top will be allowed to accommodate a logo.

Pictograph

Only one community pictograph *may* be incorporated in the top of the sign subject to WISDOT approval. If used, it **shall** be simple and easily recognizable. The height of the pictograph shall not exceed two times the height of the upper-case letters of the principal legend on the sign. For coordinated programs, a unique pictograph for each municipality *may* be used.

If a community name is to be displayed at the top of the sign panel, instead of or in addition to a pictograph, the lettering **shall** be of a size, font style and high color contrast for motorists to read at the posted speed.

All signs in a Community Wayfinding Signing program **shall** have the same format. If a community pictograph, and/or name, and/or street name, is to be used on any sign, it **shall** be used on all signs in the community program.

Pictographs for destinations and attractions **shall not** be permitted, since the traveling public will not recognize pictographs of local destinations.

Facing

Sign panel legends and backgrounds **shall** be reflective to meet the minimum standards of High Intensity sheeting.

Fluorescent reflective sheeting of any color **shall not** be permitted on these signs.

The sign **shall not** contain any animated or moving parts, flashing or moving lights, or flashing disks.

Color

Colors **shall** meet the standards for highway colors specified by the Federal Highway Administration. Color combinations **shall** have high contrast. Two-color combinations which *may* be used are:

- a. White or yellow on blue, green or brown.
- b. Blue, green, black or brown on white.
- c. Red or orange on white, but not the reverse.
- d. A third color, if used, must provide suitable contrast (i.e., not red on blue).

The background colors of orange, red, yellow, purple, or the fluorescent versions thereof, fluorescent yellow-green and fluorescent pink **shall not** be permitted on Community Destination Signs. One background color is preferred. A third color for the logo area *may* be used, or that area *may* be reversed in color. Color plaques or accents **shall not** be used under arrows or destination names. Lettering, arrows, and border **shall** be the same color.

Border

Border is optional. If used, it **shall** be plain, retroreflective, not decorative, and the same color as the letters.

Lettering & Sign Size

A minimum Series B font as specified in the Standard Highway Signs manual is preferred. A similar font is allowable, unless the style detracts noticeably from legibility.

The preferred letter size is 6" Upper Case/ 4 ½" Lower Case. In areas, where the posted speed is less than 35 mph, a minimum 5" Upper Case/ 3 ¾" Lower Case or 5" Capital Letters will be allowed.

The resulting sign width **shall not** exceed five feet adjacent to a roadway posted at 35 MPH or above. The sign width **shall not** exceed four feet adjacent to a roadway posted at 30 MPH or below.

Arrows

Arrows **shall** be as big in dimension as the lettering, and the same color as the adjacent lettering. The arrows **shall not** have encircling accents, or contrasting mini-backgrounds.

Arrows **shall** be left of the message for left destinations, and right of the message for right destinations.

Ahead arrows **shall not** be used except in combination with left and/or right arrow(s) and destination(s) to pull through to one major area destination, such as DOWNTOWN, or direct ahead to one or more qualifying destinations where the through route turns. When used, ahead arrows **shall** be on the left side of the top line.

Destinations

Destinations/attractions on a community destination sign **shall** be displayed (from top to bottom of sign) in the following sequence:

- ahead destination (if used);
- left-oriented destinations/attractions (closest to furthest);
- right-oriented destinations/attractions (closest to furthest).

Community Wayfinding Signs should be limited to three destinations per sign.

4. SIGN INSTALLATION STANDARDS

Signs **shall** be installed by the community on separate supports furnished and typically used by the community. They **shall not** be combined with other signing by the community or the Department.

If signing is approved on the state trunk highway directing to a facility, any necessary trailblazing signing **shall** be installed on the city streets/local roads by the community before signing is installed on the state trunk highway.

The community **shall** affix an identification code number label to the back of each sign in accordance with State Statute Section 86.19(5) and Traffic Guidelines Manual Subject 2-1-30.

Sign supports **shall** meet the National Cooperative Highway Research Program 350 breakaway standards. (NCHRP 350)

Sign installation and placement **shall** be in accordance with WisDOT Standard Sign Details A4-3, A4-4, and A4-8, A4-9, A4-11, or A5-9, as applicable.

Signs **shall** be placed in advance of the intersection where a turn would be required. Only one sign **shall** be permitted in each direction approaching an intersection and it *should* be located on the right side of the roadway.

The preferred sign spacing is 200 feet from any other highway sign. The minimum spacing **shall** be 100 feet.

Signs erected on the state trunk highway system **shall** have their locations approved by the Regional Traffic Engineer. Signs at all locations *should* be installed with due care to be visible, and to not obscure other traffic control devices. Further guidance on location is contained in Section 2A.16 of the 2009 MUTCD.

5. APPLICATION AND PERMIT

Sign destinations, designs, and locations on State highways under DOT jurisdiction **shall** be approved by the WisDOT Regional Traffic Engineer. Installation of these signs **shall** be through this permit process.

Upon receipt of a master plan for Community Wayfinding Signing, including the typical standard sign design and the identification of the community contact person, the Regional Traffic Engineer will review the plan for

- appropriate qualifying destinations,
- direct and effective routing to the destinations, including trailblazing on local roadways,
- appropriate sign locations,
- individual sign designs, and
- roadside conditions and constraints.

In order to expedite the process, the community *should* prepare the master plan in compliance with the guidelines in this policy. Any necessary denials or revisions may cause a return of the plan to the community contact person, resulting in a delay of the permit.

The permit will consist of an approved master plan attached to a permit letter signed by the Regional Traffic Engineer, and may include the necessary standard sign installation details mentioned above.

All sign panel designs *should* be reviewed and approved by the Regional Traffic Engineer before fabrication.

The community **shall** be responsible for the construction, installation and maintenance of the community wayfinding sign structures and sign panels at its own expense.

If community wayfinding signs are not properly maintained, the community **shall**, upon request by WisDOT, replace or remove the signs at its own expense. If not replaced or removed within 30 days of notification, WisDOT will remove the community wayfinding signs at the expense of the community.

Roadway reconstruction and/or installation of new regulatory, warning or guide signs may necessitate relocation or removal of community wayfinding signs by the community at its own expense.

D. Grandfather Clause

Existing permitted Community Wayfinding Signs will be allowed to remain temporarily without modification or replacement until the end of their useful life, or December 31, 2015, whichever comes first. Unpermitted signs **shall** be removed as soon as possible, unless they meet the standards contained in this policy. In that case, the community may apply for a retroactive permit by submitting the required master plan.

SAMPLE PERMIT FORM LETTER

**Copy and paste to your Region letterhead.
Provide date, contact name, and address
Modify as needed.**

RE: Community Wayfinding Signing Permit

This letter **shall** serve as the Community Wayfinding Signing Permit for (city, village, town) of (name) to install and maintain guidance signing on STH (number) as contained and approved in the attached master plan.

No additions or changes will be allowed without a revised and approved master plan.

WisDOT Standard Sign Installation Details, A4-3, A4-4, and (others as needed), are attached. Adherence to these standards is required.

Sincerely,

(signature)

(name, P.E.)
(Region) Traffic Engineer

dirpubwks@villageofjackson.com

From: Mark Lange <mark@langeenterprises.com>
Sent: Friday, May 17, 2019 9:11 AM
To: Brian Kober
Subject: Wayfinding Signs
Attachments: SKM_C224e19051709420.pdf

Brian,

Here is what the 30" wide signs would look like (see attached).

4 – 30x24: \$98.60ea

1 – 30x30: \$158.00

1 – 30x42: \$178.50

2 – 30x60: \$235.10ea

*all signs plasma cut on .125 aluminum using 3M HIP sheeting

Colors to be determined

Thanks,

Mark Lange



Quality Products and Services Since 1953!

1131 W. Second St. • P.O. Box 4 • Oconomowoc, WI 53066 • 800-242-3126

www.911signs.com

Public Works Report

June 25, 2019

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

Year 2017

January	Avg. Flow 1.230 MGD	Min. Flow 979,000 g.p.d.	Max. 1.606 MGD
February	Avg. Flow 1.204 MGD	Min. Flow 926,000 g.p.d.	Max. 2.141 MGD
March	Avg. Flow 1.559 MGD	Min. Flow 1.09 MGD	Max. 2.398 MGD
April	Avg. Flow 1.552 MGD	Min. Flow 1.049 MGD	Max. 2.446 MGD
May	Avg. Flow 1.392 MGD	Min. Flow 666,000 g.p.d.	Max. 2.588 MGD
June	Avg. Flow 1.283 MGD	Min. Flow 763,000 g.p.d.	Max. 2.429 MGD
July	Avg. Flow 1.225 MGD	Min. Flow 879,000 g.p.d.	Max. 1.711 MGD
August	Avg. Flow 1.049 MGD	Min. Flow 750,000 g.p.d.	Max. 1.414 MGD
September	Avg. Flow 870,300 g.p.d.	Min Flow 714,000 g.p.d.	Max. 1.132 MGD
October	Avg. Flow 953,871 g.p.d.	Min. Flow 563,000 g.p.d.	Max. 1.257 MGD
November	Avg. Flow 886,967 g.p.d.	Min. Flow 729,000 g.p.d.	Max. 1,154 MGD
December	Avg. Flow 835,484 g.p.d.	Min. Flow 651,000 g.p.d.	Max. 1.074 MGD

Year 2018

January	Avg. Flow 893,258 g.p.d.	Min. Flow 693,000 g.p.d.	Max. 1.541 MGD
February	Avg. Flow 1.072 MGD	Min. Flow 651,000 g.p.d.	Max. 2.476 MGD
March	Avg. Flow 1.011 MGD	Min. Flow 702,000 g.p.d.	Max. 1.365 MGD
April	Avg. Flow		
May	Avg. Flow 1.577 MGD	Min. Flow 982,000 g.p.d.	Max. 2.807 MGD
June	Avg. Flow 1.053 MGD	Min. Flow 703,000 g.p.d.	Max. 1.422 MGD
July	Avg. Flow 942,871 g.p.d.	Min. Flow 699,000 g.p.d.	Max. 1.228 MGD
August	Avg. Flow 1.342 MGD	Min. Flow 700,000 g.p.d.	Max. 3.93 MGD
September	Avg. Flow 1.608 MGD	Min. Flow 1.07 MGD	Max. 3.47 MGD
October	Avg. Flow 1.540 MGD	Min. Flow 960,000 g.p.d.	Max. 2.67 MGD
November	Avg. Flow 1.268 MGD	Min. Flow 940,000 g.p.d.	Max. 2.12 MGD
December	Avg. Flow 1.218 MGD	Min. Flow 880,000 g.p.d.	Max. 1.82 MGD

Year 2019

January	Avg. Flow 1.270 MGD	Min. Flow 900,000 g.p.d.	Max. 2.660 MGD
February	Avg. Flow 1.229 MGD	Min. Flow 850,000 g.p.d.	Max. 1.980 MGD
March	Avg. Flow 1.379 MGD	Min. Flow 910,000 g.p.d.	Max. 2.790 MGD
April	Avg. Flow 1.483 MGD	Min. Flow 1.020 MGD	Max. 2.660 MGD
May	Avg. Flow 1.542 MGD	Min. Flow 1.320 MGD	Max 1.960 MGD

Years Summary of Water Consumption

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
2016 Total Pumpage 254,531,000 gallons	2017 Total Pumpage 251,387,000 gallons

Year 2017

Jan.	Avg.	630,710 g.p.d.	Highest Day 771,000 gals.	Total	19,552,000 gallons
Feb.	Avg.	640,790 g.p.d.	Highest Day 885,000 gals	Total	17,942,000 gallons
March	Avg.	611,520 g.p.d.	Highest Day 691,000 gals	Total	18,957,000 gallons
April	Avg.	703,070 g.p.d.	Highest Day 1.173 MGD	Total	21,092,000 gallons
May	Avg.	683,420 g.p.d.	Highest Day 988,000 gals	Total	21,186,000 gallons
June	Avg.	762,230 g.p.d.	Highest Day 1.044 MGD	Total	22,867,000 gallons
July	Avg.	730,580 g.p.d.	Highest Day 953,000 gals	Total	22,648,000 gallons
August	Avg.	745,900 g.p.d.	Highest Day 903,000 gals	Total	23,123,000 gallons
Sept	Avg.	738,170 g.p.d.	Highest Day 996,000 gals	Total	22,145,000 gallons
Oct	Avg.	716,100 g.p.d.	Highest Day 1.055 MGD	Total	22,199,000 gallons
Nov	Avg.	646,500 g.p.d.	Highest Day 783,000 gals	Total	19,395,000 gallons
Dec	Avg.	654,230 g.p.d.	Highest Day 754,000 gals.	Total	20,281,000 gallons

Year 2018

Jan.	Avg.	674,710 g.p.d.	Highest Day 831,000 gals.	Total	20,916,000 gallons
Feb.	Avg.	660,820 g.p.d.	Highest Day 762,000 gals.	Total	18,503,000 gallons
March	Avg.	646,810 g.p.d.	Highest Day 784,000 gals.	Total	20,051,000 gallons
April	Avg.	656,300 g.p.d.	Highest Day 1.122 MGD	Total	19,689,000 gallons
May	Avg.	682,065 g.p.d.	Highest Day 840,000 gals.	Total	21,144,000 gallons
June	Avg.	694,600 g.p.d.	Highest Day 891,000 gals.	Total	20,838,000 gallons
July	Avg.	759,160 g.p.d.	Highest Day 1.172 MGD	Total	23,534,000 gallons
August	Avg.	728,450 g.p.d.	Highest Day 963,000 gals.	Total	22,582,000 gallons
Sept	Avg.	605,200 g.p.d.	Highest Day 842,000 gals.	Total	18,156,000 gallons
Oct	Avg.	619,320 g.p.d.	Highest Day 896,000 gals.	Total	19,199,000 gallons

Year 2019

Jan.	Avg.	638,230 g.p.d.	Highest Day 791,000 gals.	Total	19,785,000 gallons
Feb.	Avg.	605,820 g.p.d.	Highest Day 758,000 gals.	Total	16,963,000 gallons
March	Avg.	616,230 g.p.d.	Highest Day 946,000 gals.	Total	19,103,000 gallons
April	Avg.	697,800 g.p.d.	Highest Day 1.112 MGD	Total	20,934,000 gallons
May	Avg.	707,810 g.p.d.	Highest Day 889,000 gals.	Total	21,942,000 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

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17
2017	\$232,358.23	2018	\$245,767.74				

2017	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,287,450			10,500	57,100	\$11,503.39
Feb	1,358,400		28,500	1,750	78,550	\$13,361.76
March	1,678,850		22,000	28,100	174,900	\$18,967.89
April	1,581,350			35,600	320,900	\$21,306.63
May	1,745,550			51,150	394,600	\$25,002.63
June	1,664,600			38,700	321,950	\$22,081.26
July	1,599,070			33,100	230,150	\$19,070.78
August	1,669,850			35,100	273,850	\$20,774.14
September	1,430,000			37,350	248,125	\$18,422.13
October	1,710,550			64,200	454,850	\$26,768.38
November	1,541,700			50,150	353,050	\$22,395.00
December	1,174,400			13,700	127,250	\$12,539.26

2018	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,627,400			2,250	70,400	\$14,055.51
Feb	1,632,750			1,750	69,850	\$14,061.88
March	1,589,150			6,450	197,600	\$17,943.45
April	1,451,750			16,750	234,400	\$18,227.75
May	1,849,700			21,050	354,100	\$24,597.35
June	1,636,850			38,900	351,450	\$23,631.55
July	1,662,650			37,150	230,750	\$20,741.70
August	1,861,850			58,650	315,400	\$25,419.05
September	1,510,000			37,000	249,500	\$19,982.50
October	1,676,000			38,000	462,900	\$26,690.50
November	1,433,250			29,500	397,100	\$22,721.00
December	1,481,500			13,550	209,350	\$17,695.50

2019	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,230,000			2,000	77,700	\$11,872.50
Feb	1,432,250			1,000	70,100	\$13,255.50
March	1,614,450			11,750	161,800	\$17,489.35
April	1,485,950			48,700	335,350	\$22,462.85
May						

Rosewood Drive/TIF Expansion Project

The Rosewood Lane Project has landscaping being the last items to complete for the south side of the road. The northside of Rosewood Lane has a concept plan approved for a 72-unit apartment development. The Village is working with We-Energies on the electric system to be placed underground. Once, the location of electric transforms are determined a streetlight layout will be design, and bid out for installation. No change.

Cedar Creek Farmers Group

The Jackson Sewer Utility has been partnering with the Cedar Creek Farmers Group to achieve better water quality in the Cedar Creek Watershed. Plans are being made to have an urban/rural outreach field Day in September 2019. Healthy soils, cover crops, no-till, nutrient management, water test kits, and yard waste bags to Village residents will be some the events. The safety building property has been planted with cover crop for the event.

CTH P and STH 60 Intersection Project and old Park-n-Lot Property

Discussion continues with Washington County and WisDOT on ownership. WisDOT has been contacted and a new WisDOT representative will be assigned to the project for completion.

Ridgeway Drive Reconstruction Project

Landscaping retainage to complete the project. The landscaper has made attempted to re-seed the area defined by the punch list. Weather is the only thing holding the project back for completion.

Maplewood Farms

The Development is proceeding with a Pre-Construction Meeting scheduled for Wednesday, June 26th.

Cobblestone Meadows Development

The Village has approved the final plat for the development. Erosion control will need to be revisited. We should start to see single family homes being constructed in the next month. Weather is not helping the start of home construction.

Laurel Springs Addition No. 1

Construction is scheduled to start Monday, June 24th.

Yard Waste Drop-off Site

Fence quote is being requested. A second asphalt has been received. Waiting for site to dry out so grading can start.

Hickory Park New Playground Project

Landscaping and getting the grass to grow is the remaining item. The playground has been open and well received by the public.

Safety Building/Village Hall Project

TIF District is being created along with utility and building plans being completed.

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