N64W23760 Main Street
Sussex, Wisconsin 53089
Phone (262) 246-5200
FAX (262) 246-5222
Email: info@villagesussex.org
Website: www.villagesussex.org

AGENDA
PUBLIC WORKS COMMITTEE
VILLAGE OF SUSSEX
6:00 P.M. TUESDAY, JUNE 1, 2021
SUSSEX CIVIC CENTER- VILLAGE BOARD ROOM 2nd FLOOR
N64W23760 MAIN STREET

Pursuant to Section 19.84, Wis. Stats., notice is hereby given of a meeting of the Sussex Public Works Committee, at which a quorum of the Village Board may attend in order to gather information about a subject which they have decision making responsibility. The meeting will be held at the above noted date, time and location. Notice of Village Board Quorum: (Chairperson to announce the following if a quorum of the Village Board is in attendance at the meeting: Please let the minutes reflect that a quorum of the Village Board is present and that the Village Board members may be making comments if the rules are suspended to allow them to do so.)

1. Roll call.
2. Consideration and possible action on minutes of the May 4, 2021 Public Works meeting.
3. Comments from Citizens
4. Consideration and possible action on bills for payment.
5. Consideration and possible action on Utility Items:
   A. Resolution 21-09 accepting the Compliance Maintenance Annual Report.
   B. Silver Spring Lateral Update
6. Consideration and possible action on Sidewalk and Street Items:
7. Consideration and possible action on Other Public Works Items:
8. Staff report, update and issues, and possible action regarding subdivision, developments, and projects:
   A. Engineer's Report
9. Other discussions for future agenda topics
   1. No July Meeting
10. Adjournment.

Scott Adkins
Chairperson

Jeremy Smith
Village Administrator

Please note that, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact the Village Clerk at 246-5200.

DISCLAIMER- THE FOLLOWING ARE DRAFT MINUTES FROM THE PUBLIC WORKS COMMITTEE AND ARE SUBJECT TO CHANGE UPON APPROVAL OF THE VILLAGE BOARD

VILLAGE OF SUSSEX
SUSSEX, WISCONSIN

Minutes of the Public Works Committee of
May 4, 2021

1. Roll Call:
The meeting was called to order by Chairman Adkins at 6:00 p.m.

Members present: Trustee Scott Adkins, Trustee Lee Uecker, Trustee Benjamin Jarvis, and Member Keith Markano.

Also present: Village Administrator Jeremy Smith, Assistant Village Administrator Kelsey McElroy-Anderson, Village Engineer/Public Works Director Judith Neu, President Anthony LeDonne, and members of the Public.

A quorum of the Village Board was present at the meeting.

2. Consideration and possible action on minutes:
A motion by Markano, seconded by Uecker to approve the April 6, 2021 meeting minutes as presented.
Motion carried 4-0.

3. Comments from Citizens:
There was no one present who wished to be heard.

4. Consideration and possible action on bills for payment:
A motion by Uecker, seconded by Markano to recommend to the Village Board approval of bills for payment in the amount of $142,154.91. Motion carried 4-0.

5. Consideration and possible action on Utility Items:
A. Main Street Water Main Extension (Looping) Design Bids
Ms. Neu explained that this water loop is necessary to provide a second water source (i.e. loop) for the businesses along Highway 164 and for the Vista Run Subdivision.

A motion by Adkins, seconded by Markano to recommend to the Village Board to award the design contract for the Main Street water main extension to The Sigma Group for a total cost of $36,597 which includes a 10% contingency.
Motion carried 4-0.

6. Consideration and possible action on Sidewalk and Street Items:
None

7. Consideration and possible action on Other Public Works Items:
None

8. Staff Reports, update and issues, and possible action regarding subdivision, developments, and projects:
A. Engineer's Report
Mrs. Neu summarized the Engineer's Report included in the meeting packet.

9. Other discussion for future agenda topics
None

10. Adjournment
A motion by Adkins, seconded by Markano to adjourn the meeting at 6:30 p.m. Motion carried 4-0.

Respectfully submitted,

Kelsey McElroy-Anderson
Assistant Village Administrator

Agenda

VILLAGE OF SUSSEX				
PUBLIC WORKS COMMITTEE				
BILLS FOR PAYMENT				
6/1/2021				
VENDOR	AMOUNT		%COMPLETED	NOTES
ECS MIDWEST, LLC	$ 1,553.00	2021 ROAD RECON - WEEKS OF 4/17 - 5/1/2021	6.50%	
LELONDE CONTRACTORS, INC.	$ 396,963.64	2021 ROAD PROGRAM - APRIL 14 THRU MAY 14, 2021	27.30%	
R A SMITH	$ 3,852.50	GOOD HOPE ROAD RECON - PROF. SERV. 2/1-28/2021	100.00%	Record Drawings
R A SMITH	$ 3,873.00	MAPLE AVE RECON - PROF. SERV. 2/1-28/2021	72.00%	
R A SMITH	$ 1,237.50	MAIN STREET RECON - PROF. SERV. 3/1-4/30/2021	100.00%	Record Drawings
R A SMITH	$ 3,488.30	GOOD HOPE ROAD RECON - PROF. SERV. 3/1-4/30/2021	100.00%	Record Drawings
R A SMITH	$ 321.60	MAIN STREET RECON - PROF. SERV. 4/1-4/30/2021	100.00%	Record Drawings
R A SMITH	$ 1,291.81	WOODLAND TRAILS WATER MAIN WEST-PROF. SERV. 4/1-30/21	4.00%	
SIGMA GROUP, INC.	$ 15,410.08	SUSSEX PRESERVE 3 - PROF. SERV. THRU 4/30/2021	ONGOING	
TOTAL	$ 427,991.43			

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M E M O R A N D U M

To: Public Works Committee
From: Dennis Wolf, Assistant Public Works Director Operations
Date: May 25, 2021
Re: Compliance Maintenance Annual Report

Each year, staff prepares the Compliance Maintenance Annual Report for the Sussex Regional Wastewater Treatment Facility, as required by the Department of Natural Resources. This report must be reviewed and accepted by the Village Board by a Resolution. The facility received an "A" rating for 2020. A few highlights from the report include:

- There were no exceedances in effluent parameters in 2020, compared to one chloride exceedance in 2019. Staff continually works on monitoring and improving operations to meet, or exceed, our DNR WPDES Permit.
- All biosolids field application rates, metal quality limits, and field soil tests, met required DNR criteria.
- In the financial future planning section, there is a CIP listed to take place in 2025 for roof and equipment replacement and upgrades. The two roofs that are scheduled to be replaced have deteriorated more significantly than anticipated, and will need to be budgeted for and replaced in 2022.
- While we have not had issues with infiltration and inflow over the last several years, a rate study that was performed in 2020 indicated that the treatment plant receives approximately 55% of non-billable flow, meaning, that this water is leaking into cracked pipes and manholes. During the spring of 2021, we televised the northwest interceptor, and found several areas in need of maintenance. Staff will budget for these repairs in the next budget cycle. We also plan on performing televising on the remaining interceptors over the next several years, and conducting required maintenance.

Agenda

STATE OF WISCONSIN **VILLAGE OF SUSSEX** **COUNTY OF WAUKESHA**

RESOLUTION No. 21-09

A Resolution to Accept the Compliance Maintenance Annual Report

WHEREAS: The Department of Natural Resources requires a Compliance Maintenance Annual Report for the Sussex Regional Wastewater Treatment Facility; and

WHEREAS: The Assistant Director of Public Works has prepared said report; and

WHEREAS: The Public Works Committee and the Village Board have reviewed and discussed said report.

NOW THEREFORE, BE IT RESOLVED by the Village Board of the Village of Sussex, Waukesha County, Wisconsin, that:

SECTION 1: The Village Board has reviewed the Compliance Maintenance Annual Report which is attached to this resolution.

SECTION 2: The Village Clerk and Assistant Director of Public Works are hereby authorized and directed to forward a copy of this resolution to the Department of Natural Resources.

Adopted this _____ day of _____, 2021

VILLAGE OF SUSSEX

_____

Anthony LeDonne
Village President

ATTEST

_____

Samuel Liebert
Village Clerk

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

Influent Flow and Loading

1. Monthly Average Flows and BOD Loadings

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

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	2.7952	x	123	x	8.34	=	2,869
February	2.5711	x	150	x	8.34	=	3,207
March	3.2219	x	170	x	8.34	=	4,580
April	3.3737	x	140	x	8.34	=	3,934
May	3.6454	x	146	x	8.34	=	4,437
June	2.9739	x	229	x	8.34	=	5,690
July	2.5672	x	187	x	8.34	=	4,012
August	2.3260	x	227	x	8.34	=	4,407
September	2.3484	x	212	x	8.34	=	4,145
October	2.4881	x	226	x	8.34	=	4,697
November	2.5222	x	222	x	8.34	=	4,679
December	2.5345	x	236	x	8.34	=	4,979

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	5.1	x	90	=	4.59
		x	100	=	5.1
Design BOD, lbs/day	6790	x	90	=	6111
		x	100	=	6790

2.2 Verify the number of times the flow and 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 BOD was greater than 90% of design	Number of times BOD was greater than 100% of design
January	1	0	0	0	0
February	1	0	0	0	0
March	1	0	0	0	0
April	1	0	0	0	0
May	1	0	0	0	0
June	1	0	0	0	0
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	0	0
October	1	0	0	0	0
November	1	0	0	0	0
December	1	0	0	0	0
Points per each		2	1	3	2
Exceedances		0	0	0	0
Points		0	0	0	0
Total Number of Points					**0**

0

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

3. Flow Meter

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

● Yes Enter last calibration date (MM/DD/YYYY) 06/09/2020

○ 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 faclity? If yes, indicate volume in gallons.

Septic Tanks

○ Yes gallons

● No

Holding Tanks

● Yes 9,283,304 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.

Plant performance was not affected due to receiving holding tank waste.

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.?

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021

Reporting For: **2020**

○ Yes

● No

If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.

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

Agenda

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

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	10	10	0	1	0	0
February	10	10	2	1	0	0
March	10	10	1	1	0	0
April	10	10	1	1	0	0
May	5	5	0	1	0	0
June	5	5	0	1	0	0
July	5	5	0	1	0	0
August	5	5	0	1	0	0
September	5	5	0	1	0	0
October	5	5	0	1	0	0
November	10	10	0	1	0	0
December	10	10	0	1	0	0
* Equals limit if limit is <= 10						
Months of discharge/yr				12		
Points per each exceedance with 12 months of discharge					7	3
Exceedances					0	0
Points					0	0
Total number of points						**0**

0

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

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

2. Flow Meter Calibration

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

● Yes Enter last calibration date (MM/DD/YYYY)
06/09/2020

○ 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

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021

Reporting For: **2020**

If Yes, please explain:

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

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

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	10	10	2	1	0	0	
February	10	10	3	1	0	0	
March	10	10	2	1	0	0	
April	10	10	1	1	0	0	
May	10	10	0	1	0	0	
June	10	10	0	1	0	0	
July	10	10	0	1	0	0	
August	10	10	0	1	0	0	
September	10	10	0	1	0	0	
October	10	10	0	1	0	0	
November	10	10	0	1	0	0	**0**
December	10	10	0	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

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021

Reporting For: **2020**

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 Exceedance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceedance
January	5		0	0					
February	5		0	0					
March	5		0	0					
April	3.2		0	0					
May	1.9		.011764706	0					
June	1.9		0	0					
July	1.9		.155555556	0					
August	1.9		0	0					
September	1.9		0	0					
October	3.8		0	0					
November	5		0	0					
December	5		0	0					

Points per each exceedance of Monthly average:	10
Exceedances, Monthly:	0
Points:	0
Points per each exceedance of weekly average (when there is no monthly average):	2.5
Exceedances, Weekly:	0
Points:	0
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?

0

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

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021

Reporting For: **2020**

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	0.313	1	0	
February	.6	0.135	1	0	
March	.6	0.122	1	0	
April	.6	0.140	1	0	
May	.6	0.209	1	0	
June	.6	0.084	1	0	
July	.6	0.016	1	0	
August	.6	0.169	1	0	
September	.6	0.271	1	0	
October	.6	0.073	1	0	**0**
November	.6	0.077	1	0	
December	.6	0.063	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

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

Biosolids Quality and Management

1. Biosolids Use/Disposal

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

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

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

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

1056.90 acres

2.1.2 How many acres did you use?

130.9 acres

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

2.3 Did you overapply nitrogen on any of your approved land application sites you used last year? **0**

- ○ Yes (30 points)
- ● No

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

- ● Yes
- ○ No (10 points)
- ○ N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 002 - Liquid Sludge

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				<22			<11.4			<15				0	0
Cadmium		39	85				<27.5			<5.7			<7.5				0	0
Copper		1500	4300				418			382			763				0	0
Lead		300	840				<33			13.9			<9				0	0
Mercury		17	57				<.0497			<.0377			<.0384				0	0
Molybdenum	60		75				13.3			9.47			10.7			0		0
Nickel	336		420				<22			18.2			19.6			0		0
Selenium	80		100				<87.9			<45.6			<60.2			0		0
Zinc		2800	7500				586			491			621				0	0

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

Exceedence Points

- ● 0 (0 Points)

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

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

4. Pathogen Control (per outfall):

4.1 Verify the following information. If any information is incorrect, 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:	04/01/2020 - 06/30/2020
Density:	4,117
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	
Process Description:	

Outfall Number:	**002**
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2020 - 09/30/2020
Density:	195,838
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	
Process Description:	

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

Outfall Number:	**002**
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2020 - 12/31/2020
Density:	7,208
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	
Process Description:	

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:	06/30/2020
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:	09/30/2020
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:	12/31/2020
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?

○ Yes (40 Points)

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021 Reporting For: **2020**

● No If yes, what action was taken?	**0**
6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? ● >= 180 days (0 Points) ○ 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.	**0**
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: No issues occurred in 2020. Our contracted hauler properly keeps site management and nutrient application records.	

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

Compliance Maintenance Annual Report

Sussex Wastewater Treatment Facility

Last Updated: 5/20/2021

Reporting For: **2020**

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:

Preventative maintenance is performed at manufacture recommended intervals.

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

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Operator Certification and Education

1. Operator-In-Charge

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

- ● Yes (0 points)
- ○ No (20 points)

Name: DENNIS T WOLF

Certification No: 12156

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				
SS	Sanitary Sewage Collection	X	NA	X	NA

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS is required 5 years after permit reissuance and is basic level only.)

- ● Yes (0 points)
- ○ No (20 points)

0

3. Succession Planning

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

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

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

0

4. Continuing Education Credits

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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: Nancy Whalen

Telephone: (262)-246-5225 (XXX) XXX-XXXX

E-Mail Address (optional): nwhalen@villagesussex.org

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: 2020

- ● 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., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

- ● Yes (0 points)
- ○ No (40 points)

0

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

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

Year: 2020

- ● 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		$ 856,465.78
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		$ 856,465.78
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	$ 66,000.00

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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) - $ 71,507.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year $ 850,958.78

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.

Raw sewage pump repair

3.3 What amount should be in your Replacement Fund? $ 808,482.02

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	Inspect - Repair or replace Sanitary Sewer Main on Silver Spring	150000	2021
2	CIP - Roof replacement, valve replacement, aeration equipment upgrades, gravity thickener rebuild, sprinkler system upgrades, parking lot re-pavement.	1,125,000	2025

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: 2

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	5,065	13
February	5,079	6
March	4,108	7
April	3,411	8
May	3,356	6
June	2,648	7
July	3,209	31
August	2,196	8
September	2,068	7
October	3,292	7
November	4,373	7
December	5,396	8
Total	**44,201**	**115**
Average	**3,683**	**10**

6.1.2 Comments:

All natural gas use is from the Johannsen Farms lift station. In July 2020, there was a power failure, resulting in the natural gas generator to run for an extended period, resulting in higher gas usage.

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:

Electric Heaters.

6.2.2 Comments:

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

- ● No
- ○ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

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

Nothing at this time.

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	144,900	86.65	1,672	88.94	1,629	4,548
February	110,100	74.56	1,477	93.00	1,184	4,180
March	112,800	99.88	1,129	141.98	794	3,814
April	132,200	101.21	1,306	118.02	1,120	3,081
May	127,200	113.01	1,126	137.55	925	2,280
June	132,900	89.22	1,490	170.70	779	374
July	142,200	79.58	1,787	124.37	1,143	96
August	136,200	72.11	1,889	136.62	997	198
September	148,800	70.45	2,112	124.35	1,197	188
October	139,500	77.13	1,809	145.61	958	493
November	138,900	75.67	1,836	140.37	990	1,463
December	131,100	78.57	1,669	154.35	849	3,074
Total	**1,596,800**	**1,018.04**		**1,575.86**		**23,789**
Average	**133,067**	**84.84**	**1,609**	**131.32**	**1,047**	**1,982**

7.1.2 Comments:

Electrical use increased 1% compared to the previous year, while gas use decreased 10%.

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

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☒ UV Disinfection
☒ Variable Speed Drives
☒ Other:

Phosphorus chemical pumping
Secondary Filtration Pumping
Sludge Storage Tank Mixing/Truck Filling

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?

Nothing at this time.

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:

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Describe and Comment:

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

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Sanitary Sewer Collection Systems

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

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

- ● Yes
- ○ No

If No, explain:

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

- ● Yes
- ○ No (30 points)
- ○ N/A

If No or N/A, explain:

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

☒ Goals [NR 210.23 (4)(a)]

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

1. Clean 25% of sewer collection system.
2. Identify area of inflow and infiltration.
3. Update GIS mapping and data base for new construction.
4. Complete CMAR, update CMOM.

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) 10/08/2019

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

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

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

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

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

☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)]☐☐ **0**

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 Managment Plan (SECAP)
☐ Lift Station Evaluation Report
☐ Others:

2. Operation and Maintenance

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

Cleaning	25	% of system/year
Root removal	0	% of system/year
Flow monitoring	10	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	1	% of system/year
Manhole inspections	30	% of system/year
Lift station O&M	4	# per L.S./year
Manhole rehabilitation	1	% of manholes rehabbed
Mainline rehabilitation	1	% of sewer lines rehabbed
Private sewer inspections		

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	0	% of system/year
Private sewer I/I removal	0	% of private services
River or water crossings	0	% of pipe crossings evaluated or maintained

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

1,789 feet of 8" clay sewer pipe was relined or replaced with plastic pipe during the 2020 road program. 21 manholes were also rebuilt.

3. Performance Indicators

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

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

3.2 Performance ratios for the past year:

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

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **			
Date	Location	Cause	Estimated Volume
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:

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5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

- ○ Yes
- ● No

If Yes, please describe:

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

No significant changes were noticed.

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

During road reconstruction projects, we have relayed or relined old clay sewer pipe in the system, as well as replaced sewer laterals in the right of way. We have also repaired manholes, installed solid manhole covers, and grouted leaks in both pipes and manholes.

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

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Grading Summary

WPDES No: 0020559

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

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

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Resolution or Owner's Statement

Name of Governing Body or Owner:

Date of Resolution or Action Taken:

Resolution Number:

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A
(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS
(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)
G.P.A. = 4.00

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Website: www.villagesussex.org

M E M O R A N D U M

To: Public Works Committee
From: Judith A. Neu, Village Engineer
Date: May 26, 2021
Re: Silver Spring Lateral Extensions Update

Since the April 2021 Public Works Committee meeting we have received prices for the lateral installations from the 2021 Road Program contractor and met with the 4 owners of the 3 buildings.

Costs to install these laterals through the 2021 Road Program were nearly double what was estimated, and much higher than we believe is reasonable. Therefore, Staff is recommending that we postpone the work for a year or two, assuming that that the property owners would like us to pursue the individual lateral installation. We would bid the work with another project, rather than trying to have the work done as a change order, which will provide additional competition and should result in more reasonable prices. It will be less expensive to replace a few slabs of the new sidewalk that is being installed along these properties than to install the laterals through the current contract.

The initial conversations with the property owners were good. They were unaware that they were served by a private sanitary sewer and that they were responsible for maintaining said sewer. The first they knew of the situation was when it was explained to them at the meeting. Understandably, most of the owners wanted some time to digest this new information and think about their options before deciding how to proceed. Staff recommended that if they decide to keep the private system, they should enter into a cost share agreement with their neighbors for this private sanitary system. Based on conversations with the last group that we met with, we think that as a group they will want the individual laterals installed. If that is the case, then we will prepare an agreement for each to sign that will include cost sharing for the abandonment of the existing private main and include a hold harmless clause as directed by the Committee and Board. Once the agreements are in place, we can incorporate the lateral work into another project.

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M E M O R A N D U M

To: Public Works Committee
From: Judith A. Neu, Village Engineer
Date: May 26, 2021
Re: Engineering Monthly Report – June 2021

2021 Road Program

- The contractor continues to make good progress. We are still hopeful that all road work will be finished by the end of July.
- Construction on Sussex Road and Village Drive is nearing completion. Most pavement patches on Village Drive and Sussex Road are done except for a few gaps that were left open to allow driveway access. The curb in the reconstruction section is done and the pavement will be poured this week.
- The intersection of Village Drive and Sussex Road will need to be closed for a few weeks in June while we complete work in the intersection. Village Drive will be open to 2 way traffic before we close the intersection. Sussex Road will remain one way southbound.
- Miller Way work is essentially complete. The only work left is some of the joint sealing.
- Pavement replacement work on Waukesha Avenue is done. The temporary signals have been removed.
- The contractor expects to start work on Silver Spring Drive in June on June 1st. Utility work will be first. Grading for sidewalk will likely start in early June.
- Work has started on Good Hope Road and is expected to take about 1 month. Two Way traffic will be maintained during the majority of the work. The exceptions will be during concrete pours when flaggers will be used, and during the planned week long closure of Good Hope Road currently scheduled for the week of June 21st. This closure will take place after the Main Street closure at the railroad tracks.

Maple Avenue:

- Lawn restoration continues, which is being done at the contractor's expense.
- We are still waiting for paperwork from We Energies for street light removals on Maple Avenue from Champeny to Good Hope Road and from the Bugline to Main Street. We are told by We Energies that their design work is in progress. The removal of the old street lights on Main Street from Maple to Locust will take place in the coming weeks.

Miscellaneous:

- The water tower along Executive Drive will be out of service for part of next week for routing interior cleaning and inspection. This is done every 2 years.
- The water utility recently purchased some leak detection equipment that will be used twice per year throughout the Village to help pinpoint previously unknown water losses in the system. To date, we have discovered and repaired 12 leaking hydrants.
- Valve turning / exercising work in the south half of the Village will begin after leak detection is done.

Developments:

- Woodland Trails: Rough grading is nearly done and utility work has started. We are still waiting for updated pricing from the contractor for open cut installation of the Plainview Water Main. Plainview will need to be closed during working hours while the water main is being installed.
- Sussex Preserve: Phase 3 utility work continues. Sanitary sewer, water and storm sewer installation is complete. Final grading in preparation for gravel installation is underway. The hope is to be paving in late-June or early July.
- Vista Run: All plans have been approved. Rough grading of phase 1 should be done by mid-June, after which the utility installation will begin.
- Lisbon TIF (Lieds) Water Main: Revised plans have again been submitted and are under review. Easement discussions with school district officials for the Village to take over ownership of part of their water system are nearing completion.