Village of North Freedom Resolution 2021-005 - CMAR Report to DNR

Compliance Maintenance Annual Report

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021 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	×	Influent Monthly Average BOD Concentration mg/L	×	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	0.0457	Х	185	X	8.34	=	71
February	0.0411	Х	335	Х	8.34	=	115
March	0.0565	X	305	X	8.34	=	144
April	0.0505	X	165	Х	8.34	=	69
May	0.0446	Х	155	X	8.34	=	58
June	0.0488	Х	160	Х	8.34	=	65
July	0.0809	Х	145	Х	8.34	=	98
August	0.0439	Х	155	Х	8.34	=	57
September	0.0439	X	315	Х	8.34	=	115
October	0.0433	Х	260	Х	8.34	=	94
November	0.0489	Х	255	X	8.34	=	104
December	0.0403	Х	235	Х	8.34	=	79

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	Х	%	=	% of Design
Max Month Design Flow, MGD	.07	X	90	=	0.063
		X	100	=	.07
Design BOD, lbs/day	133	х	90	=	119.7
		X	100	=	133

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

Total Numb	er of Po	oints			8
Points		2	1	3	2
Exceedances	5	1	1	1	1
Points per e	ach	2	1	3	2
December	1	0	0	0	0
November	1	0	0	0	0
October	1	0	0	0	0
September	1	0	0	0	0
August	1	0	0	0	0
July	1	1	1	0	0
June	1	0	0	0	0
May	1	0	0	0	0
April	1	0	0	0	0
March	1	0	0	1	1
February	1	0	0	0	0
January	1	0	0	0	0
	of Influent		flow was greater than 100% of	BOD was greater than 90% of design	BOD was greater than 100% of design
	The state of the s	A STATE OF THE PARTY OF THE PAR	Number of times	Number of times	Number of times

8

North Freedom Wastewater Treatment Facility

	5/5/2021	2020
3. Flow Meter 3.1 Was the influent flow meter calibrated in the last year? ● Yes Enter last calibration date (MM/DD/YYYY) 2020-10-05		
O No If No, please explain:		
 4. Sewer Use Ordinance 4.1 Did your community have a sewer use ordinance that limited or prohib excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances industries, commercial users, hauled waste, or residences? Yes No If No, please explain: 4.2 Was it necessary to enforce the ordinance? 	ted the discharge of to the sewer from	f
• Yes • No If Yes, please explain:		
5. Septage Receiving5.1 Did you have requests to receive septage at your facility?Septic Tanks Holding Tanks Grease Traps		
o Yes o Yes		
● No ● No		
5.2 Did you receive septage at your faclity? If yes, indicate volume in gallo Septic Tanks o Yes gallons	ns.	
● No Holding Tanks ○ Yes gallons		
No Grease Traps Yes gallons		
No	ected when receiving	g
 6. Pretreatment 6.1 Did your facility experience operational problems, permit violations, bio or hazardous situations in the sewer system or treatment plant that were a commercial or industrial discharges in the last year? Yes No 	solids quality concer ttributable to	rns,
If yes, describe the situation and your community's response.		
6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?		

Last Updated: Reporting For:

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

o Yes

No

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

Total Points Generated	8
Score (100 - Total Points Generated)	92
Section Grade	A

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

33

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.	Monthly	90% of	Effluent Monthly	Months of	Permit Limit	90% Permit
001	Average Limit (mg/L)	Permit Limit > 10 (mg/L)	Average (mg/L)	Discharge with a Limit	Exceedance	Limit Exceedance
January	30	27	26	1	0	0
February	30	27	30	1	0	1
March	30	27	32	1	1	1
April	30	27	21	1	0	0
May	30	27	32	1	1	1
June	30	27	26	1	0	0
July	30	27	18	1	0	0
August	30	27	16	1	0	0
September	30	27	23	1	0	0
October	30	27	42	1	1	1
November	30	27	14	1	0	0
December	30	27	15	1	0	0
		* Eq	uals limit if limit is	<= 10		
Months of d	ischarge/yr			12		
Points per e	Points per each exceedance with 12 months of discharge					3
Exceedance	• Committee of the comm					4
Points					21	12
Total numb	per of points		-			33

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?

Continue to do general maintenance. Some of the results are due to seasonal change. Village is installing/constructing a Wastewater Treatment Facility that should help address these elevated levels. Village may consider pursuing CBOD variance in the future.

Flow Meter Calibrati	01	1
--	----	---

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

Yes

Enter last calibration date (MM/DD/YYYY)

2020-10-05

O No

If No, please explain:

- 3. Treatment Problems
- 3.1 What problems, if any, were experienced over the last year that threatened treatment?

Weather/Precipitation

- 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?

North Freedom Wastewater Treatment Facility

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

_	11	
-	VΔ	c
	1 0	c

o No

If Yes, please explain:

The Village is currently in the process of upgrading the pH and phosphorus removal chemical system and there were a couple of weeks in the Spring, due to the seasonal change, that increased the pH levels in North Freedom and the surrounding areas.

- 4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?
- o Yes
- No

If Yes, please explain:

- 4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?
- o Yes
- O No
- N/A

Please explain unless not applicable:

Total Points Generated	33
Score (100 - Total Points Generated)	67
Section Grade	D

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

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:

Total Num	ber of Points					0
Points					0	0
Exceedance	S		0	0		
Points per	each exceed	7	3			
Months of D	ischarge/yr			12		
		* Eq	uals limit if limit is	<= 10		
December	60	54	11	1	0	0
November	60	54	15	1	0	0
October	60	54	46	1	0	0
September	60	54	44	1	0	0
August	60	54	40	1	0	0
July	60	54	50	1	0	0
June	60	54	39	1	0	0
May	60	54	35	1	0	0
April	60	54	28	1	0	0
March	60	54	36	1	0	0
February	60	54	32	11	0	0
January	60	54	28	1	0	0
001	Average Limit (mg/L)	Permit Limit >10 (mg/L)	Average (mg/L)	Discharge with a Limit	Exceedance	Limit Exceedance
Outfall No.	Monthly	90% of	Effluent Monthly	Months of	Permit Limit	90% Permit

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?

General Maintenance - Pond Mowing

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

0

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

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.	Monthly	Weekly	Effluent	Monthly	Effluent	Effluent	Effluent	Effluent	Weekly
001	Average	Average	Monthly	Permit	Weekly	Weekly	Weekly	Weekly	Permit
	NH3	NH3	Average	Limit	Average	Average	Average	Average	Limit
	Limit	Limit	NH3	Exceed	for Week	for Week	for Week	for Week	Exceed
	(mg/L)	(mg/L)	(mg/L)	ance	1	2	3	4	ance
January	108		13.5	0					
February	108		20	0					
March	108		19.25	0					
April	108		10.25	0					
May	108		1.8225	0					
June	108		6.275	0					
July	108		7.725	0					
August	108		9.25	0					
September	108		7.3	0					
October	108		5.9	0					
November	108		5.875	0					
December	108		7.8	0					
Points per e	ach excee	dance of N	onthly av	erage:					10
Exceedance	s, Monthly	/ :							0
Points:									0
Points per e	ach excee	dance of w	veekly ave	erage (who	en there is	no month	nly averag	e):	2.5
Exceedance	s, Weekly	:							0
Points:									0
Total Numi	ber of Po	ints							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

0

A

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

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	Effluent Monthly	Months of	Permit Limit
	phosphorus Limit (mg/L)	Average phosphorus (mg/L)	Discharge with a Limit	Exceedance
January	4.5	3.650	1	0
February	4.5	3.825	1	0
March	4.5	3.675	1	0
April	4.5	2.625	1	0
May	4.5	2.150	1	0
June	4.5	3.050	1	0
July	4.5	3.025	1	0
August	4.5	3.375	1	0
September	4.5	2.675	1	0
October	4.5	2.425	1	0
November	4.5	2.725	1	0
December	4.5	2.800	1	0
Months of Dischar	ge/yr		12	
Points per each exceedance with 12 months of discharge:			ge:	10
Exceedances				0
Total Number of	Points	Total Number of Points		

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

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

Ponds And Lagoon Leakage

1	Dond	Lining
1.	FULL	Lilling

1.1 What material was used to line your ponds?

Bentonite, Clay in primary, PVC in secondary pond

- 2. Flow Measurements
- 2.1 Did you measure influent flow to your wastewater ponds or lagoons?
- Yes (0 points)□□
- O No (40 points) (Go to question 6)□□
- 2.1.1 Method of influent flow measurement:

Pump time x GPM

- 2.2 Did you measure effluent flow discharged from your wastewater system either to the land disposal system or to the receiving stream?
- Yes (0 points) □□
- No (40 points) (Go to question 6)□□
- O No Discharge (0 points)
- 2.2.1 Method of effluent flow measurement:

Parshall Flume, Ultrasonic

- 3. Total Flow Volumes
- 3.1 Total monthly influent and effluent flow volumes from the pond/lagoon system during the last calendar year.

17.9661	YEARLY TOTAL	15.8490
1.2478	DECEMBER	.892
1.4676	NOVEMBER	1.456
1.3431	OCTOBER	1.539
1.3174	SEPTEMBER	1.259
1.36	AUGUST	.647
2.5089	JULY	3.165
1.463	JUNE	.421
1.3822	MAY	1.259
1.5139	APRIL	1.029
1.7523	MARCH	1.832
1.1929	FEBRUARY	.965
1.417	JANUARY	1.385
Total Monthly Influent Volume		Total Monthly Effluent Volume

3.2 From the Yearly Total influent and effluent volumes above, total effluent is divided by total influent and converted to a percent of volume loss.

Total effluent, MG => 15.8490

0.882 <= effl / infl ratio

Total influent, MG =>

17.9661

Conversion to a percent of volume loss:

 $(1-effl/infl\ ratio) * 100 =$

11.8

% of influent lost and not discharged with effluent

4,001 - 7,000

> 7,000

North Freedom Wastewater Treatment Facility Last Updated: Reporting For: 5/5/2021 2020 4. Surface Area 4.1 What was the total wastewater surface area of the ponds/lagoons at operating level (do not include seepage cells)? 9 Acres 5. Leakage Rate Estimation 5.1 Total influent volume (in MG) minus total effluent volume (in MG) plus or minus the change in pond/lagoon storage (in MG) is the net wastewater loss. The net loss divided by 0.000365 equals the estimated leakage amount in gpd. Total Annual Influent (MG) 17.9661 Total Annual Effluent (MG) 15.8490 Estimated Net Loss (MG) 2.1171 Estimated Leakage Amount (gpd) 5800 If you have a *Department approved* method for determining a change in storage volume, enter the storage change last year in MG below. O Storage Increase: Enter amount in MG -> O Storage Decrease: Enter amount in MG -> 5.2 CMAR Estimated Leakage Rate in gallons per acre per day (gpad): The CMAR Estimated Leakage Rate in gpad is the leakage amount in gpd (from part 5.1) divided by the total pond surface area (from question 4). Leakage Amount Acres CMAR Estimated (gpd) Leakage Rate 5800 divided 9 644 by 6. On Site Leakage Testing 6.1 Did you conduct and on-site, field water balance/leakage test on your ponds or lagoons that was approved by the Department and is still valid? o Yes Year No If yes, what was the field Test Calculated Leakage Rate for your ponds/lagoons? gpad NOTE: if 6.1 is answered Yes, the value entered above in gpad will be used in 7.1 to compute points generated. 6.2 Leakage Rate Comments: 7. Estimated Leakage Rate and Points 7.1 The CMAR Estimated Leakage Rate (from 5) is used to determine the points generated in the table below. If an approved field test was conducted and the results are still valid and accepted by the Department, the Field Calculated Leakage rate (from 5.2) is used to determine the points earned from the table below gpad points 0 - 1,000 0 1,001 - 2,000 10 2,001 - 4,000 20

30

40

North Freedom Wastewater Treatment Facility	Last Updated: 5/5/2021	Reporting For: 2020
Based on the leakage rate in gpad, the points earned are:		0

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

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For: 5/5/2021

2020

Riccolide Quality and Management

• 0 (0 Points)

 Biosolids Use/Disposal 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: Lagoon System - Did not remove any biosolids	
2. Land Application Site 2.1 Last Year's Approved and Active Land Application Sites 2.1.1 How many acres did you have? 560.50 acres 2.1.2 How many acres did you use? acres 2.2 If you did not have enough acres for your land application needs, what action was taken? 2.3 Did you overapply nitrogen on any of your approved land application sites you used last year? Yes (30 points) No 2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years? Yes No (10 points) N/A	
 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 - LAGOON SLUDGE 	
Parameter 80% H.Q. Ceiling Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 80% High Ceili	ıg
Arsenic Salar Sala	4
Cadmium	_
Conner	
Copper 0 0	
Lead 0 0	
Mercury 0 0	
Molybdenum 0 0	
Nickel 0 0	
	71
Selenium 0 0	

North Freedom Wastewater Treat	ment Facility	Last Updated: 5/5/2021	Reporting Fo
 0 1-2 (10 Points) 0 > 2 (15 Points) 3.1.2 If you exceeded the high qualeach land application site? (check to Yes 0 No (10 points) 	ality limits, did you cumulatively tra applicable box)	ck the metals loadin	g at
Exceedence Points 0 (0 Points) 1 (10 Points) 1 (15 Points) 1.1.4 Were biosolids land applied vo Yes (20 Points) No (0 Points)	ds until limit was met (0 points) metals exceeded the ceiling limits = which exceeded the ceiling limit? ty or ceiling) was exceeded at any t		s taken?
 Pathogen Control (per outfall): Verify the following information under the Options header in the left 		e the Report Issue b	utton
Outfall Number:			7
Biosolids Class:			
Bacteria Type and Limit:			
Sample Dates:	-		-
Density:			- 1
Sample Concentration Amount:			
Requirement Met:	No		
Land Applied:	No		0
Process:			
Process Description:			
4.2 If exceeded Class B limit or did 4.2.1 Was the limit exceeded or th • Yes (40 Points)	not meet the process criteria at the e process criteria not met at the time	time of land applica ne of land application	tion. n?

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.

North Freedom Wastewater Treatment Facility

5/5/2021 2020 Outfall Number: Method Date: Option Used To Satisfy Requirement: Requirement Met: No Land Applied: No Limit (if applicable): Results (if applicable): 5.2 Was the limit exceeded or the process criteria not met at the time of land application? o Yes (40 Points) No If yes, what action was taken? 6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? >= 180 days (0 Points) 0 150 - 179 days (10 Points) o 120 - 149 days (20 Points) 0 90 - 119 days (30 Points) 0 0 < 90 days (40 Points)</p> O N/A (O 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: None

Last Updated: Reporting For:

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

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

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) 	0
 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) 	
 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 system in maintained adequately 	

North Freedom Wastewater Treatment Facility	Last Updated:	Reporting For:
	5/5/2021	2020

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

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

4. Continuing Education Credits

Operator	Certification and Educa	tion				
1.1 Did you o Yes (0 o No (2 Name:	0 points) hn Anstett	n-charge during the	report year?			0
2.1 In accand subcl	ation Requirements cordance with Chapter NR 114.56 ass(es) were required for the op t plant and what level and subcla	erator-in-charge (Cass(es) were held b	IC) to operat	e the wastew r-in-charge?		
Sub	SubClass Description	WWTP		OIC		
Class		Basic	OIT	Basic	Advanced	
A1	Suspended Growth Processes				X	
A2	Attached Growth Processes				X	
A3	Recirculating Media Filters					
A4	Ponds, Lagoons and Natural	X			X	
A5	Anaerobic Treatment Of Liquid					
В	Solids Separation				X	
С	Biological Solids/Sludges				X	0
Р	Total Phosphorus				X	
N	Total Nitrogen					
D	Disinfection				Х	
L	Laboratory				X	
U	Unique Treatment Systems					
SS	Sanitary Sewage Collection	X	X	NA	NA	
plant? (N level only • Yes (0 • No (2	points) 0 points)					
3.1 In the to ensure of the foll One o An arr An ope be cer A con	sion Planning e event of the loss of your design the continued proper operation lowing options (check all that app or more additional certified opera rangement with another certified rangement with another communerator on staff who has an operatified within one year sultant to serve as your certified of the above (20 points) of the above" is selected, please	and maintenance oply)? tors on staff operator hity with a certified tor-in-training certified	f the plant the	at includes o	ne or more	0

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

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.
- O Averaging less than 6 CECs per year.

Advanced Certification:

- O 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

North Freedom Wastewater Treatment Facility

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

Financial M	lanagement
-------------	------------

1. Provider of Financial Information	
Name:	
Nicki Breunig	
Telephone: (808) 522-4550 (XXX) XXX-XXXX	
E-Mail Address	
(optional): villageofnorthfreedom@gmail.com	
villageomorum eedom@gman.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:	
2020	
● 0-2 years ago (0 points) □□	
o 3 or more years ago (20 points)□□	
o N/A (private facility)	
 2.3 Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system? Yes (0 points) 	
O No (40 points)	
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]	
 Equipment Replacement Funds When was the Equipment Replacement Fund last reviewed and/or revised? Year: 	
2020	
• 1-2 years ago (0 points)	
o 3 or more years ago (20 points)□□ o N/A	
If N/A, please explain:	
3.2 Equipment Replacement Fund Activity	
3.2.1 Ending Balance Reported on Last Year's CMAR \$ 86,104.22	
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	
3.2.3 Adjusted January 1st Beginning Balance \$ 86,104.22	
3.2.4 Additions to Fund (e.g. portion of User Fee,	
earned interest, etc.) + \$ 126.68	

Compliance Maintenance Annual Report

North Freedom Wastewater Treatment Facility

North Freedom Wastewater Treatment Facility	5/5/2021	a: Reporting For 2020
3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)	32,451.	40
3.2.6 Ending Balance as of December 31st for CMAR Reporting Year \$	53,779.	.50
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 repa	irs from 3.2.5 a	above.
Village currently in process of upgrading their wastewater treatment for phosphorus levels to be compliant with DNR permit. Working with MS Clean Water Fund.	acility - for their A and the DNR	for the
3.3 What amount should be in your Replacement Fund? \$ 53	3,779.50	0
Please note: If you had a CWFP loan, this amount was originally based Assistance Agreement (FAA) and should be regularly updated as neede instructions and an example can be found by clicking the SectionInstru header in the left-side menu. 3.3.1 Is the December 31 Ending Balance in your Replacement Fund abgreater than the amount that should be in it (#3.3)? • Yes • No If No, please explain.	d. Further calcu ctions link unde	ulation er Info
 4. Future Planning 4.1 During the next ten years, will you be involved in formal planning fo or new construction of your treatment facility or collection system? Yes - If Yes, please provide major project information, if not already No 		
Project Project Description #		Approximate Construction Year
1 Sewer line rehab. Ongoing	30000	2021
Phosphorous rule project construction as required	250000	2021
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	::	
Number of Municipally Owned Pump/Lift Stations: 2		

North Freedom Wastewater Treatment Facility

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

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)		
January	3,774	392		
February	3,972	406		
March	4,374	541		
April	4,102	320		
May	4,191	208		
June	3,402	54		
July	3,390	11		
August	3,531	11		
September	3,648	5		
October	3,156	2		
November	2,974	17		
December	4,165	147		
Total	44,679	2,114		
Average	3,723	176		
	tion or Screening	oment s utilized at your pump/lift stat	ions (Check all that ap	oply):
☑ Extended☑ Flow Mete☑ Pneumati☑ SCADA Sy☑ Self-Primi☑ Submersi	tion or Screening Shaft Pumps ering and Recording c Pumping ystem ing Pumps ble Pumps		ions (Check all that ag	oply):
☑ Extended☑ Flow Mete☑ Pneumati☑ SCADA Sy☑ Self-Primi☑ Submersi	tion or Screening Shaft Pumps ering and Recording c Pumping ystem ing Pumps		ions (Check all that ag	oply):
⊠ Extended ⊠ Flow Mete □ Pneumati □ SCADA Sy ⊠ Self-Primi □ Submersi □ Variable St □ Other:	tion or Screening Shaft Pumps ering and Recording c Pumping ystem ing Pumps ble Pumps Speed Drives		ions (Check all that ag	oply):
□ Extended □ Flow Mete □ Pneumati □ SCADA Sy □ Self-Primi □ Submersi □ Variable S	tion or Screening Shaft Pumps ering and Recording c Pumping ystem ing Pumps ble Pumps Speed Drives		ions (Check all that ag	oply):
⊠ Extended ⊠ Flow Mete □ Pneumati □ SCADA Sy ⊠ Self-Primi □ Submersi □ Variable St □ Other: 6.2.2 Comme	tion or Screening Shaft Pumps ering and Recording c Pumping ystem ing Pumps ble Pumps Speed Drives		ions (Check all that a	oply):

North Freedom Wastewater Treatment Facility

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

6.4 Fut	ture E	nergy R	elated E	quipment
---------	--------	---------	----------	----------

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

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	3,774	1.42	2,658	2.20	1,715	392
February	3,972	1.19	3,338	3.34	1,189	406
March	4,374	1.75	2,499	4.46	981	541
April	4,102	1.52	2,699	2.07	1,982	320
May	4,191	1.38	3,037	1.80	2,328	208
June	3,402	1.46	2,330	1.95	1,745	54
July	3,390	2.51	1,351	3.04	1,115	11
August	3,531	1.36	2,596	1.77	1,995	11
September	3,648	1.32	2,764	3.45	1,057	5
October	3,156	1.34	2,355	2.91	1,085	2
November	2,974	1.47	2,023	3.12	953	17
December	4,165	1.25	3,332	2.45	1,700	147
Total	44,679	17.97		32.56		2,114
Average	3,723	1.50	2,582	2.71	1,487	176

7.1.2 Comments:

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:

North Freedom Wastewater Treatment Facility

5/5/2021 2020 Lagoon System 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? 8. Biogas Generation 8.1 Do you generate/produce biogas at your facility? No o 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 o Yes ☐ Entire facility Year: By Whom: Describe and Comment: ☐ Part of the facility Year: By Whom: Describe and Comment:

Last Updated: Reporting For:

North Freedom Wastewater Treatment Facility	Last Updated:	Reporting For:
	5/5/2021	2020

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

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

Sanitary Sewer Collection Systems

 Capacity, Management, Operation, and Maintenance (CMOM) Program Do you have a CMOM program that is being implemented?
• Yes
o 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
o No (30 points) o N/A
If No or N/A, explain:
THO OF NYA, EXPLAIN.
1.3. Does your CMOM program contain the following components and items? (check the
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:
Cleaned 5000 feet of sewer
Did you accomplish them? • Yes
o 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?
p.o.t.w. collection system codes
If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2017-10-29
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
☐A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

North Freedom Wastewater Treatment Facility

5/5/2021 2020 ☐ 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: 0 ☑ 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. % of system/year 25 Cleaning 25 % of system/year Root removal 0 % of system/year Flow monitoring Smoke testing % of system/year Sewer line televising % of system/year Manhole 25 % of system/year inspections 25 # per L.S./year Lift station O&M Manhole rehabilitation 0 % of manholes rehabbed Mainline rehabilitation % of sewer lines rehabbed Private sewer inspections % of system/year Private sewer I/I % of private services removal

Last Updated: Reporting For:

North Freedom Wastewater Treatment Facility

River or water crossings 0 % of pipe crossings evaluated or maintained please include additional comments about your sanitary sewer collection system below: 3.1 Provide the following collection system and flow information for the past year.		5/5/202	1 2020			
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. 41.57 Total actual amount of precipitation last year in inches 39.1 Annual average precipitation (for your location) 9.9 Miles of sanitary sewer Number of lift stations 0 Number of lift stations 0 Number of lift stations 1 Number of basement backup occurrences 0 Number of ocomplaints Average daily flow in MGD (if available) Peak monthly flow in MGD (if available) Peak monthly flow in MGD (if available) Peak hourly flow in MGD (if available) Peak hourly flow in MGD (if available) Peak nountly flow in MGD (if available) Peak nou						
3.1 Provide the following collection system and flow information for the past year. 41.57 Total actual amount of precipitation last year in inches 39.1 Annual average precipitation (for your location) 9.9 Miles of sanitary sewer 2 Number of lift stations 0 Number of lift stations 0 Number of sewer pipe failures 0 Number of sewer pipe failures 0 Number of of basement backup occurrences 0 Number of complaints 0 Average daily flow in MGD (if available) 0 Peak monthly flow in MGD (if available) 0 Peak hourly flow in MGD (if available) 0 Peak hourly flow in MGD (if available) 0 Peak hourly flow in MGD (if available) 0 Peak peak pear (saliures (failures/year) 0 0.00 Sanitary sewer overflows (number/sewer mile/yr) 0 0.00 Sanitary sewer overflows (number/sewer mile/yr) 0 0.00 Basement backups (number/sewer mile) 0 0.00 Complaints (number/sewer mile) 0 0.00 Complaints (number/sewer mile) 0 0.00 Peaking factor ratio (Peak Monthly:Annual Daily Avg) 0 Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1 Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1 Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1 None reported 2 None reported 3 None reported 3 Number of lift stations and tisted above, please contact the DNR and stop work on this section until corrected. 3 Number of lift stations 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? 9 Yes 10 Yes 10 Yes	Please include addit	tional comments about your sanitary sewer collection system be	low:			
3.1 Provide the following collection system and flow information for the past year. 41.57 Total actual amount of precipitation last year in inches 39.1 Annual average precipitation (for your location) 9.9 Miles of sanitary sewer 2 Number of lift stations 0 Number of lift stations 0 Number of sewer pipe failures 0 Number of sewer pipe failures 0 Number of of basement backup occurrences 0 Number of complaints 0 Average daily flow in MGD (if available) 0 Peak monthly flow in MGD (if available) 0 Peak hourly flow in MGD (if available) 0 Peak hourly flow in MGD (if available) 0 Peak hourly flow in MGD (if available) 0 Peak peak pear (saliures (failures/year) 0 0.00 Sanitary sewer overflows (number/sewer mile/yr) 0 0.00 Sanitary sewer overflows (number/sewer mile/yr) 0 0.00 Basement backups (number/sewer mile) 0 0.00 Complaints (number/sewer mile) 0 0.00 Complaints (number/sewer mile) 0 0.00 Peaking factor ratio (Peak Monthly:Annual Daily Avg) 0 Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1 Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1 Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1 None reported 2 None reported 3 None reported 3 Number of lift stations and tisted above, please contact the DNR and stop work on this section until corrected. 3 Number of lift stations 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? 9 Yes 10 Yes 10 Yes						
41.57 Total actual amount of precipitation last year in inches 39.1 Annual average precipitation (for your location) 9.9 Miles of sanitary sewer 2 Number of lift stations 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) 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) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 1. 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 Mas infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No						
39.1 Annual average precipitation (for your location) 9.9 Miles of sanitary sewer Number of lift stations Number of lift stations Number of lift station failures Number of sewer pipe failures Number of sewer pipe failures Number of complaints Average daily flow in MGD (if available) Peak monthly flow in MGD (if available) Peak hourly 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 Complaints (number/sewer mile) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location Cause Estimated Volume None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No						
9.9 Miles of sanitary sewer		4				
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) Peak hourly flow in MGD (if available) 3.2 Performance ratios for the past year: 0.00 Lift station failures (failures/year) Sanitary sewer overflows (number/sewer mile/yr) Sanitary sewer overflows (number/sewer mile/yr) 0.00 Basement backups (number/sewer mile) Complaints (number/sewer mile) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No		Number of lift stations				
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: 0.00 Lift station failures (failures/year) 5.2 Sewer pipe failures (pipe failures/sewer mile/yr) 0.00 Sanitary sewer overflows (number/sewer mile/yr) 0.00 Sanitary sewer overflows (number/sewer mile) 0.00 Complaints (number/sewer mile) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location Cause Estimated Volume ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? o Yes No If Yes, please describe: 1. Average daily flow in MGD (if available) Peak monthly flow in MGD (if available) Average daily flow in MGD (if available) Average daily flow in MGD (if available) Sewer pipe failures (pipe failures/year) None peaking favor mile/yr) Sanitary sewer overflows (number/sewer mile/yr) Basement backups (number/sewer mile/yr) Sewer pipe failures (pipe failures/year) Cool of available) Sewer pipe failures (pipe failures/year) Cool of available) Sewer pipe failures (pipe failures/year) Cool of available Sewer pipe failures (pipe failures/year) Cool of available) Sewer		Number of lift station failures				
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: 0.00 iff 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) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No		Number of sewer pipe failures				
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: 0.00		Number of basement backup occurrences				
Peak monthly flow in MGD (if available) Peak hourly flow in MGD (if available) 3.2 Performance ratios for the past year:		Number of complaints				
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) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No		Average daily flow in MGD (if available)				
3.2 Performance ratios for the past year: 0.00		Peak monthly flow in MGD (if available)				
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) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location Cause Estimated Volume ** 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. Las 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		Peak hourly flow in MGD (if available)				
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) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location Cause Estimated Volume None reported *** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No						
0.00 Sanitary sewer overflows (number/sewer mile/yr) 0.00 Basement backups (number/sewer mile) 0.00 Complaints (number/sewer mile) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No						
O.00 Basement backups (number/sewer mile) O.00 Complaints (number/sewer mile) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) Peaking factor ratio (Peak Monthly:Annual Dai						
O.00 Complaints (number/sewer mile) Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location Cause Estimated Volume None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No						
Peaking factor ratio (Peak Monthly:Annual Daily Avg) Peaking factor ratio (Peak Hourly:Annual Daily Avg) 4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location Cause Estimated Volume None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No						
4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No	0.00					
4. Overflows LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? Yes No						
LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No		Peaking factor ratio (Peak Hourly: Annual Daily Avg)				
LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED ** Date Location None reported ** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? O Yes No	4. Overflows					
Date Location Cause Estimated Volume		SEWER (SSO) AND TREATMENT FACILITY (TEO) OVERELOWS R	PEPORTED **			
** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No						
** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No						
on this section until corrected. 5. Infiltration / Inflow (I/I) 5.1 Was infiltration/inflow (I/I) significant in your community last year? • Yes • No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No		None reported				
 5.1 Was infiltration/inflow (I/I) significant in your community last year? Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? Yes No 	** If there were any on this section until c	SSOs or TFOs that are not listed above, please contact the DNR orrected.	and stop work			
 O Yes No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? ○ Yes No 						
 No If Yes, please describe: 5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year? Yes No 		nflow (I/I) significant in your community last year?				
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						
your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No		ibe:				
your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No						
your collection system, lift stations, or treatment plant at any time in the past year? • Yes • No	5.2 Has infiltration/ir	nflow and resultant high flows affected performance or created p	roblems in			
• No	your collection systen	n, lift stations, or treatment plant at any time in the past year?				
If Yes, please describe:	If Yes, please descr	ibe:				

Last Updated: Reporting For:

North Freedom Wastewater Treatment Facility Last Updated: Reporting For: 5/5/2021 2020 5.3 Explain any infiltration/inflow (I/I) changes this year from previous years: None 5.4 What is being done to address infiltration/inflow in your collection system? Sealing manhole lids - to prevent ground water from entering system

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

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

Grading Summary

WPDES No: 0028011

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	D	1	10	10
TSS	Α	4	5	20
Ammonia	Α	4	5	20
Phosphorus	Α	4	3	12
Ponds	Α	4	7	28
Biosolids	Α	4	5	20
Staffing/PM	Α	4	1	4
OpCert	Α	4	1	4
Financial	Α	4	1	4
Collection	Α	4	3	12
TOTALS			44	146
GRADE POINT AVER	RAGE (GPA) = 3.32			

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)

North Freedom Wastewater Treatment Facility

Last Updated: Reporting For:

5/5/2021

2020

Resolution or Owner's Statement

Name of Governing	
Body or Owner:	
	Village of North Freedom
Date of Resolution or	
Action Taken:	2024 25 42
	2021-05-10
Resolution Number:	2021-005
Date of Calmilla	2021-005
Date of Submittal:	
ACTIONS SET FORTH BY TH	HE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR
	ade A or B. Required for grade C, D, or F):
Influent Flow and Loadings:	
Effluent Quality: BOD: Grade	2 = D
	ore monitored at lagoon location. As explained on the previous bly be looking into CBOD variances and with the new Wastewater
	ald address some of the elevated levels.
Effluent Quality: TSS: Grade	= Δ
Emache Quality: 155: Grade	<u> </u>
Effluent Quality: Ammonia: 0	Grade = A
Effluent Quality: Phosphorus	: Grade = A
Ponds: Grade = A	
rollus. Grade = A	
Biosolids Quality and Manage	ement: Grade = A
Staffing: Grade = A	
Operator Certification: Grade	n = A
Operator Certification, Grade	: - A
Financial Management: Grad	e = A
Collection Systems: Grade =	A
	se required for Collection Systems if SSOs were reported)
ACTIONS SET FORTH BY TH	HE GOVERNING BODY OR OWNER RELATING TO THE OVERALL
	ND 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. = 3.32

North Freedom Wastewater Treatment Facility	Last Updated: 5/5/2021	Reporting For: 2020

So passed on this 10th day of May 2021 on a motion presented by Trustee B. Schwarz and seconded by Trustee T. Fuller.

President Andrew Dear

Nicki Breunig, Clerk/Treasurer