

**PUBLIC WORKS COMMITTEE AGENDA
VILLAGE OF DEERFIELD**

**FOR A MEETING OF THE PUBLIC WORKS COMMITTEE OF THE VILLAGE OF DEERFIELD TO BE
HELD AT THE DEERFIELD VILLAGE HALL, 4 N. MAIN STREET, DEERFIELD, WISCONSIN ON
MONDAY, MAY 13, 2019 AT 5:45 P.M.**

I. CALL TO ORDER – NOTING OF ROLL BY CLERK

II. CONSENT AGENDA

A. APPROVAL OF MINUTES FROM APRIL 8, 2019

III. PUBLIC APPEARANCES

A. PUBLIC COMMENTS

IV. UNFINISHED BUSINESS, REVIEW & ACTION THERE ON

V. NEW BUSINESS

A. RESOLUTIONS

- 1. RESOLUTION R2019-08 AUTHORIZING SPECIAL ASSESSMENTS FOR CURB & GUTTER, SIDEWALK AND DRIVEWAY APRON REPAIR AND/OR REPLACEMENT AND INSTALLMENT ASSESSMENT NOTICE FOR S. WASHINGTON STREET AND ALLEY STREET AND UTILITY PROJECT**

B. LICENSES & PERMITS

C. REVIEW & ACTION

- 1. DISCUSS/CONSIDER SEWER FORGIVENESS REQUEST – ERIC SAEMANN/617 TERRACE RD**
- 2. DISCUSS/CONSIDER 2018 CCR AND CMAR**
- 3. DISCUSS/CONSIDER STREET CLOSURE REQUEST FROM THE DEERFIELD FIRE DEPARTMENT DURING THE FIREMEN'S FESTIVAL**
- 4. DISCUSS/CONSIDER REQUEST TO REPAIR NORTH NELSON ROAD**

VI. ORDINANCES

VII. COMMUNICATIONS

VIII. STAFF REPORTS

Update on N Industrial park road prices

IX. ADJOURN

Notice is hereby given that it is possible that a majority of the Village Board or other governmental body may be present at the above meeting of the PUBLIC WORKS COMMITTEE to gather information about a subject over which they have ultimate decision making responsibility. If such a majority is present, it will constitute a meeting of the Village Board or other governmental body under Wisconsin's Open Meeting Laws and is hereby being noticed as such, although only the PUBLIC WORKS COMMITTEE will take formal action at the above meeting.

If you require an interpreter, materials in alternate formats, or other accommodations to access this meeting, please contact the Village Clerk at 764-5404 at least 24 hours prior to the meeting.

Elizabeth McCredie, Clerk
Village of Deerfield

Posted 5/10/2019

**PUBLIC WORKS COMMITTEE MINUTES
VILLAGE OF DEERFIELD**

**FOR A MEETING OF THE PUBLIC WORKS COMMITTEE OF THE VILLAGE OF DEERFIELD HELD
AT THE DEERFIELD VILLAGE HALL, 4 N. MAIN STREET, DEERFIELD, WISCONSIN
APRIL 8, 2019 AT 6:00 P.M.**

CALL TO ORDER – NOTING OF ROLL BY CLERK

The meeting was called to order at 6:00 pm by President Frutiger. Roll call: Wilkinson and Frutiger present, Tebon absent. Also present: John Doyle and Jason Price

CONSENT AGENDA

Motion by Wilkinson and seconded by Frutiger to approve the April 8, 2019 agenda as posted. All ayes, motion carried.

A. APPROVAL OF MINUTES FROM MARCH 11, 2019

Motion by Wilkinson and seconded by Frutiger to approve the minutes from March 11, 2019 as written. All ayes, motion carried.

PUBLIC APPEARANCES

1. JASON PRICE/ALLIANT ENERGY – EXPLANATION OF ALLIANT BILL FOR THE WWTP RELATING TO THE SOLAR ENERGY CONVERSION

Jason Price from Alliant Energy explained to the committee the structure of the WWTP's bill now that the solar energy conversion was done. Price stated that the amount of solar energy generated during the winter months is reduced due to the shorter days and snow obstruction but affirmed that the solar conversion is working the way it is supposed to.

B. PUBLIC COMMENTS - none

**UNFINISHED BUSINESS, REVIEW & ACTION THERE ON
NEW BUSINESS**

A. RESOLUTIONS

B. LICENSES & PERMITS

C. REVIEW & ACTION

1. DISCUSS/CONSIDER AWARDED CONTRACT FOR DEMOLITION OF 23 W NELSON STREET HOUSE

Two (2) bids for the demolition of the house at 23 W Nelson Street were received, one from All Metals Recycling for \$17,500 and one from Snyder's Excavating for \$7,200. Doyle stated that Snyder's quote will be the same amount if we seed the area instead of topping off the area with gravel.

Motion by Wilkinson and seconded by Frutiger to approve and recommend to the Village Board awarding the contract for the demolition of 23 W Nelson Street to Snyder's Excavating for \$7,200.00 with grass instead of gravel. All ayes, motion carried.

2. DISCUSS/CONSIDER NOTICE OF NONCOMPLIANCE INSPECTION AT COMPOST SITE

Doyle explained that the DNR performed an inspection of the Village's compost site which showed some non-compliances. The letter stated that composts pile temperature readings were not being taken or recorded plus storm water discharge inspections were not being conducted. Doyle stated that a probe will be purchased for approximately \$250 to \$350 and temperature readings which will be recorded. Doyle stated he did not know how to address the storm water requirement but will inform the DNR that the storm water does not leave the site.

3. DISCUSS/CONSIDER USE OF TID #2 CLOSURE FUNDS FOR MILL & OVERLAY ON N. INDUSTRIAL PARK ROAD

Doyle received an estimate for a mill & overlay on N Industrial Park Rd. in the amount of \$67,000.00. The road will have a 2% pitch to shed the water plus a mill of 2.75".

Motion by Wilkinson and seconded by Frutiger to approve and recommend to the Village Board to go out for bid for a mill & overlay on N. Industrial Park Road from N. Main Street to the crosswalk by Enterprise Drive. All ayes, motion carried.

4. DISCUSS/CONSIDER PATCH & OVERLAY ON E. QUARRY STREET AND CENTER STREET ALLEY

Doyle informed the committee that E Quarry Street is shot and that it will cost approximately \$26,754.00 to have the overlay done which will be paid for out of the 2019 budget. Doyle is not recommending the contractor's option to form and pour concrete for 60' of ribbon curb along south side of road put to instead just blend back the section on the south side of the road where the existing parking pad is. Doyle also stated he would like to have the Center Street alley repaired which a quote of \$14,250.00 was received. The amount in the 2019 budget is

\$36,906.00 and these projects total \$41,004.00 so the overage will have to be covered with the use of the TID #2 closure funds.

Motion by Frutiger and seconded by Wilkinson to approve and recommend to the Village Board to begin the process of having E. Quarry Street and the Center Street alley repaired in 2019. All ayes, motion carried.

ORDINANCES

COMMUNICATIONS

STAFF REPORTS

Doyle reported that Public Works is working in the Community Park and that it's big diamond is closed, the parks will be open starting May 1st and the street tree program has started.

ADJOURN

Motion by Wilkinson and seconded by Frutiger to adjourn at 6:50 pm. All ayes, motion carried.

/S/ Elizabeth McCredie
Village Administrator/Clerk/Treasurer

**FINAL RESOLUTION
AUTHORIZING SPECIAL ASSESSMENTS
FOR CURB & GUTTER, SIDEWALK AND
DRIVEWAY APRON REPAIR AND/OR REPLACEMENT
AND
INSTALLMENT ASSESSMENT NOTICE
FOR
S. WASHINGTON STREET AND ALLEY STREET & UTILITY PROJECT**

VILLAGE OF DEERFIELD RESOLUTION R2019-08

WHEREAS, The Village Board of the Village of Deerfield, Wisconsin, held a public hearing at the Deerfield Fire Station, 205 N Industrial Park Rd., on or about 7:00 p.m. on May 30, 2018 for the purposes of hearing all interested persons concerning regarding levying special assessments for the repair and/or replacement of sidewalk, curb and gutter and driveway aprons in the following locations:

S. Washington Street from Legreid Street to E. Deerfield Street,
N. Washington Street from E. Deerfield Street to N. High Street
East Alley from N. High Street to E. Nelson Street and
The south side of E. Nelson Street from East Alley to N. Washington Street

WHEREAS, the Village Board heard all interested parties at such hearing and considered the Village engineer's report,

WHEREAS, the Village Board found that the proposed improvements and/or repairs benefit the health, safety, and public welfare and determined that levying special assessments for the same is an appropriate exercise of the Village's police powers,

WHEREAS, the Village engineer had prepared preliminary specifications for said improvements and/or repairs as well as a schedule of estimated assessments, and

WHEREAS, said specifications and schedule have been filed with and examined by the Village Board,

NOW THEREFORE, IT IS HEREBY RESOLVED by the Village Board that:

1. The final assessment report and specifications prepared or approved by the Village engineer are hereby adopted and confirmed or as amended by the Village Board.
2. The cost assessments shown on the schedule of final assessments have been determined on a reasonable basis and are hereby confirmed by specifications prepared and approved by the Village engineer.
3. Said improvements and repairs have been executed in accordance with the Village engineer's report and specifications.

4. Copies of the engineer's report and specifications as well as the schedule of final assessments shall be on file with the Village clerk and shall be available for inspection at the Village Hall during regular business hours.
5. Payment for said improvements and/or repairs shall be made by assessing the actual costs of same against the property abutting said improvements and repairs.
6. Said assessments shall be paid for and collected in accordance with Village Ordinance Section 28-1(d)(1) and (2), as amended and Wis. Stats. §66.0703 and 66.0715. That is, the property owner shall pay any assessment levied either in full in accordance with general real estate tax payments or in installments as described in paragraph 7 below.
7. **Installment Assessment Provision.** Notice is hereby given that there is an option for a property owner to pay for the special assessment in installments. If the property owner notifies the Village Clerk on or before September 30, 2019 of the year in which assessments are levied, the property owner may elect to pay assessments in 8 equal annual installments. Interest on installment payments shall accrue at the annual rate of 3.85%. The first installment payments shall be due on or before January 31, 2020 of the year following levy of the assessment.
8. The Village Board is authorized to award bids for said improvements and/or repairs.
9. The Village Clerk is hereby directed to publish this Resolution and Installment Assessment Notice as a Class 1 notice, pursuant to Chapter 985, Stats.
10. The Village Clerk is further directed to mail a copy of this Resolution and Installment Assessment Notice and, upon completion of said improvements and/or repairs, a statement of the final assessment against each parcel of property, to the property owner whose name appears on the assessment roll and whose post office address is known or with reasonable diligence can be ascertained.

Adopted this 13th day of May, 2019

Scott Tebon, Acting Village President

Elizabeth McCredie, Village Clerk



VILLAGE OF DEERFIELD

4 North Main St., P.O. Box 66, Deerfield, WI. 53531

TELEPHONE: 608-764-5404

FAX: 608-764-5807

Village President: Greg Frutiger

Village Administrator / Clerk-Treasurer: Elizabeth McCredie

www.deerfieldwi.com

May 7, 2019

Dear Resident,

Enclosed please find the final statement of assessment attached to your parcel for the costs of sidewalk, driveway apron and/or curb and gutter for the 2018 Village Street & Utility Project. On May 30, 2018, a public hearing was held on the preliminary assessment where property owners were told about the project and the accompanying assessment procedure. Now that the project is complete, our engineers were able to calculate the actual costs for new infrastructure connected to your property. On May 13th at 5:45 pm the Public Works Committee will be discussing the final calculation amounts and the Village Engineer will be present at this meeting to answer any questions if you wish to attend.

The Village offers affected property owner's three options for repayment. The options are listed below.

1. You can repay the entire assessment all at once. If you choose this option, the entire amount is due to the Village by Friday, November 1, 2019. (There will be no interest due with this option)
2. You can opt to have the entire assessment placed on first installment of your 2019 property tax bill, which is due on or before January 31, 2020. (There will be no interest due with this option)
3. You can opt to repay the assessment in 8 annual installments (shown as a "special assessment" on your property tax bill). This option will include an added interest rate of 3.85%, which by Village ordinance is 1% over the rate attached to the Village bonding for the project this year.

Please see the attached sheet and indicate which option you choose, and send/return it to the Village of Deerfield no later than Friday, November 1, 2019. As the information indicates, failure to choose an option results in the entire amount of your assessment placed upon your 2019 tax bill – which is the same as option #2 above.

Thank you for your attention to this matter. The Village appreciates your patience and cooperation during the project this past year. The new infrastructure is an important public investment in keeping the community running effectively.

If you have any questions, feel free to contact Village Hall at 764-5404, or via email at mccredie@deerfieldwi.com

Sincerely,

Elizabeth McCredie

Village Administrator

Deerfield, WI

Cc Greg Frutiger, Village President

Sec. 28-1. - Assessment for improvements.

- (a) *Assessments.* The cost or benefit of any public improvements shall be assessed upon the property or properties in accordance with Wis. Stats. ch. 66 and resolutions by the village board establishing policies regarding assessments. Such public improvements include, but are not limited to laying, repairing, improving, and extending any sidewalk, street, curb, gutter, driveway aprons, water mains and sewer mains.
- (b) *Who may petition for improvements.* The village board, on petition of one or more property owners or on its own motion, may adopt a preliminary resolution declaring its intent to exercise its special assessments powers and a final resolution imposing special assessments. All such resolutions shall be in accordance with Wis. Stats. ch. 66.
- (c) *Policies determined by resolution of the village board.* Policies regarding special assessments for public improvements shall be determined by resolution of the village board, as needed, following consultation with the public works committee, finance committee and plan commission, as appropriate.
- (d) *Payment and collection of special assessments.*
 - (1) Unless otherwise provided, all special assessments levied shall be paid in full in the year levied in accordance with the payment and collection requirements for general real estate taxes. For example, if special assessments are levied in 1990 and a property owner pays his estate taxes in a single payment, the full amount of the 1990 special assessment is due on or before January 31, 1991. Overdue or delinquent special assessments shall be placed on the tax roll and subject to section 30-1.
 - (2) The village board, by resolution and pursuant to, Wis. Stats. § 66.0705 or 66.0715(2) or Wis. Stats. ch. 74 may provide that special assessments may be paid in installments. The property owner is nevertheless entitled to pay the assessment in full, as described in subsection (1) of this section. When the village board provides for installment payments, the final resolution authorizing special assessments shall specify the number of installments, when each installment is due, the annual interest accruing on the unpaid balance, and how the property owner must indicate his intent to pay in installments. The resolution shall incorporate the notice of installment assessments as required by Wis. Stats. § 66.0715. If the property owner fails to make any installment payment when due, the entire assessment amount shall be placed on the tax roll and subject to section 30-1.

(Prior Code, § 5.01)

Eric Saemann
617 Terrace Rd
Deerfield, WI 53531

RECEIVED
APR 08 2019
VILLAGE OF DEERFIELD

April 5, 2019

I'm writing to request an adjustment to my sewer bill due to water usage circumstances out of my control.

I received a call from the Village office in the last week of March that our water usage was 29,000 gallons for the most recent monthly water reading. Our typical usage is 2500 – 3000 gallons per month. I immediately checked water sources in our house for any leaks, and could not identify any leaks. Derek from the water utility came to investigate Monday April 1 and confirmed there was a leak in the toilet. I had not been aware, because I did not hear the toilet running when not in use. I was surprised to hear that even a small leak from the seal at the bottom of the tank could result in such an increase (10 X). I have since fixed the seal, and used the leak tablet provided by Derek and checked the water meter to ensure this fixed the issue.

Please consider these circumstances in your review of this case.

Sincerely,



Eric Saemann

**VILLAGE OF DEERFIELD
POLICY #2006-2 A-1**

ADJUSTMENT TO SEWER BILLING DUE TO EXCEPTIONAL CIRCUMSTANCES

From time to time the Village of Deerfield Sewer Utility receives request for adjustments to a property's sewer bill due to water usage circumstances out of their control.

The following criteria must be met to allow the Village Board to adjust the sewer bill for any property.

1. A signed letter must be received from the property owner requesting an adjustment of sewer charges which describes the circumstances that caused the increased water usage and certifying that the water didn't enter the sewer collection system.
2. Only one adjustment will be allowed in any five year period.
3. **The Public Works Director must investigate all requests and report his findings to the Public Works Committee prior to approval.**
4. Water usage must be over three times the previous three quarter average usage.

John Mathews, Village President

Dean A. Otte, Village Clerk

Board Approval Dated this _____ day of

_____, 2007

Account Nbr: 000-0139-00 Customer Name: SAEMANN, ERIC
 Service Address: 617 TERRACE RD
 PSC Classification: Residential

Meter Nbr: 51239374 Rate Type: 5/8" & 3/4" Install Date:
 Route/Seq Nbr: 00-0315 Location: Pressure Zone Cd: 00
 ROM Serial Nbr: ROM Install Date:
 Register ID: 51239374 MXU/MIU ID: 2432323
 Utilities: SEWER WATER

Memos: 1st:
 2nd:
 3rd:

Handwritten:

$$\begin{array}{r} 26900 \\ - 13,866 \\ \hline 13,034 \end{array}$$

<u>Read Date</u>	<u>Reading</u>	<u>Consumption</u>	<u>Comment</u>
4/23/2019	316900	11600	Remote Reading
3/20/2019	305300	26900	Remote Reading
2/20/2019	278400	2900	Remote Reading
1/21/2019	275500	2900	Remote Reading
12/20/2018	272600	3200	Remote Reading
11/26/2018	269400	3100	Remote Reading
10/22/2018	266300	3100	Remote Reading
9/24/2018	263200	6700	Remote Reading
8/22/2018	256500	5400	Remote Reading
7/25/2018	251100	6000	Remote Reading
6/19/2018	245100	8300	Remote Reading
5/21/2018	236800	6200	Remote Reading
4/23/2018	230600	7100	Remote Reading
3/21/2018	223500	17700	Remote Reading
2/21/2018	205800	2700	Remote Reading
1/24/2018	203100	3300	Remote Reading
12/20/2017	199800	2200	Remote Reading
11/20/2017	197600	6200	Remote Reading
10/23/2017	191400	6700	Remote Reading
9/25/2017	184700	5800	Remote Reading
8/28/2017	178900	6600	Remote Reading
7/20/2017	172300	6700	Remote Reading
6/22/2017	165600	8400	Remote Reading
5/22/2017	157200	5100	Remote Reading
4/25/2017	152100	7500	Remote Reading
3/22/2017	144600	5200	Remote Reading
2/22/2017	139400	4600	Remote Reading
1/24/2017	134800	7300	Remote Reading
12/19/2016	127500	6600	Remote Reading
11/17/2016	120900	4500	Remote Reading

Handwritten:

$$41,600 \div 9 = 4622 \times 3 = 13,866$$

2018 Consumer Confidence Report Data DEERFIELD WATERWORKS, PWS ID: 11302236

Water System Information

If you would like to know more about the information contained in this report, please contact Derek Anderson at (608) 764-5497.

Opportunity for input on decisions affecting your water quality

Board meetings are held at 7PM on the 2nd and 4th Mondays of the month. Meetings are held at the Village Hall 4 N Main st.

Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's safe drinking water hotline (800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Environmental Protection Agency's safe drinking water hotline (800-426-4791).

Source(s) of Water

Source ID	Source	Depth (in feet)	Status
3	Groundwater	865	Active
4	Groundwater	775	Active

To obtain a summary of the source water assessment please contact, Derek Anderson at (608) 764-5497.

Educational Information

The sources of drinking water, both tap water and bottled water, include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally- occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which shall provide the same protection for public health.

Definitions

Term	Definition
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Level 1 Assessment	A Level 1 assessment is a study of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in our water system.
Level 2 Assessment	A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine, if possible, why an E. coli MCL violation has occurred or why total coliform bacteria have been found in our water system, or both, on multiple occasions.
MCL	Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best

Term	Definition
	available treatment technology.
MCLG	Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MFL	million fibers per liter
MRDL	Maximum residual disinfectant level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MRDLG	Maximum residual disinfectant level goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
mrem/year	millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric Turbidity Units
pCi/l	picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter (mg/l)
ppb	parts per billion, or micrograms per liter (ug/l)
ppt	parts per trillion, or nanograms per liter
ppq	parts per quadrillion, or picograms per liter
TCR	Total Coliform Rule
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

Detected Contaminants

Your water was tested for many contaminants last year. We are allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not monitored last year, but was detected within the last 5 years, it will appear in the tables below along with the sample date.

Disinfection Byproducts

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
HAA5 (ppb)	205 TAP	60	60	0	0		No	By-product of drinking water chlorination

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
TTHM (ppb)	205 TAP	80	0	1.8	1.8		No	By-product of drinking water chlorination

Inorganic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
BARIUM (ppm)		2	2	0.019	0.007 - 0.019	7/5/2017	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE (ppm)		4	4	1.0	0.8 - 1.0	7/5/2017	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
SODIUM (ppm)		n/a	n/a	4.24	2.98 - 4.24	7/5/2017	No	n/a

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.6060	0 of 10 results were above the action level.		No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	2.17	0 of 10 results		No	Corrosion of household

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
				were above the action level.			plumbing systems; Erosion of natural deposits

Radioactive Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2018)	Violation	Typical Source of Contaminant
GROSS BETA PARTICLE ACTIVITY (pCi/l)		n/a	n/a	3.2	3.2	7/5/2017	No	Decay of natural and man-made deposits. MCL units are in millirem/year. Calculation for compliance with MCL is not possible unless level found is greater than 50 pCi/l.
GROSS ALPHA, EXCL. R & U (pCi/l)		15	0	7.0	7.0	7/5/2017	No	Erosion of natural deposits
RADIUM, (226 + 228) (pCi/l)		5	0	2.3	2.3	7/5/2017	No	Erosion of natural deposits
GROSS ALPHA, INCL. R & U (n/a)		n/a	n/a	7.0	7.0	7/5/2017	No	Erosion of natural deposits

Additional Health Information

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Deerfield Waterworks is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the

potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

Influent Flow and Loading

1. Monthly Average Flows and (C)BOD Loadings

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

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average (C)BOD Concentration mg/L	x	8.34	=	Influent Monthly Average (C)BOD Loading, lbs/day
January	0.1680	x	354	x	8.34	=	495
February	0.1829	x	352	x	8.34	=	537
March	0.1733	x	338	x	8.34	=	489
April	0.1686	x	372	x	8.34	=	523
May	0.2107	x	350	x	8.34	=	615
June	0.2107	x	365	x	8.34	=	641
July	0.1996	x	330	x	8.34	=	550
August	0.2612	x	334	x	8.34	=	729
September	0.3149	x	325	x	8.34	=	855
October	0.3049	x	316	x	8.34	=	803
November	0.2472	x	348	x	8.34	=	717
December	0.2366	x	353	x	8.34	=	696

2. Maximum Monthly Design Flow and Design (C)BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	.393	x	90	=	0.3537
		x	100	=	.393
Design (C)BOD, lbs/day	1060	x	90	=	954
		x	100	=	1060

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

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

0

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

3. Flow Meter

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

- Yes

Enter last calibration date (MM/DD/YYYY)

2018-03-05

- No

If No, please explain:

4. Sewer Use Ordinance

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

- Yes

- No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

- Yes

- No

If Yes, please explain:

5. Septage Receiving

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

Septic Tanks Holding Tanks Grease Traps

- Yes

- Yes

- Yes

- No

- No

- No

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

Septic Tanks

- Yes

gallons

- No

Holding Tanks

- Yes

gallons

- No

Grease Traps

- Yes

gallons

- No

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

6. Pretreatment

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

- Yes

- No

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

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:

5/9/2019

2018

Yes

No

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

--

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	20	18	3	1	0	0
February	20	18	3	1	0	0
March	20	18	4	1	0	0
April	20	18	6	1	0	0
May	20	18	4	1	0	0
June	20	18	4	1	0	0
July	20	18	3	1	0	0
August	20	18	4	1	0	0
September	20	18	3	1	0	0
October	20	18	4	1	0	0
November	20	18	4	1	0	0
December	20	18	4	1	0	0

* Equals limit if limit is <= 10

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

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

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

2. Flow Meter Calibration

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

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

2018-03-05

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

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

If Yes, please explain:

Chlorides were over limits.

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

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	20	18	5	1	0	0
February	20	18	4	1	0	0
March	20	18	4	1	0	0
April	20	18	7	1	0	0
May	20	18	5	1	0	0
June	20	18	5	1	0	0
July	20	18	5	1	0	0
August	20	18	4	1	0	0
September	20	18	4	1	0	0
October	20	18	4	1	0	0
November	20	18	4	1	0	0
December	20	18	4	1	0	0

* Equals limit if limit is <= 10

Months of Discharge/yr	12		
Points per each exceedance with 12 months of discharge:	7	3	
Exceedances	0	0	
Points	0	0	
Total Number of Points		0	

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

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

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

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit 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	23		.3225	0					
February	23		3.777777	0					
March	23		1.0775	0					
April	23		.96375	0					
May	9.5		.115	0					
June	9.5		.11875	0					
July	9.5		.10125	0					
August	9.5		.1	0					
September	9.5		.1	0					
October	23		.1	0					
November	23		.1	0					
December	23		9.4625	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

0

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

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

--

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

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

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1.5	0.077	1	0
February	1.5	0.110	1	0
March	1.5	0.102	1	0
April	1.5	0.117	1	0
May	1.5	0.284	1	0
June	1.5	0.366	1	0
July	1.5	0.079	1	0
August	1.5	0.097	1	0
September	1.5	0.233	1	0
October	1.5	0.053	1	0
November	1.5	0.114	1	0
December	1.5	0.362	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

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Biosolids Quality and Management

1. Biosolids Use/Disposal

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

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

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

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

430.50 acres

2.1.2 How many acres did you use?

28 acres

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

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

Yes (30 points)

No

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

Yes

No (10 points)

N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 002 - 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	7.5													0	0
Cadmium		39	85	.29													0	0
Copper		1500	4300	858													0	0
Lead		300	840	20.6													0	0
Mercury		17	57	.021													0	0
Molybdenum	60		75	9.3												0		0
Nickel	336		420	16.5												0		0
Selenium	80		100	11.6												0		0
Zinc		2800	7500	746													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

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

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:	01/01/2018 - 12/31/2018
Density:	4,820
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Aerobic Digestion
Process Description:	Sludge is aerobically digested and run through gravity belt thickener.

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?

0

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.

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

Outfall Number:	002	0
Method Date:	12/31/2018	
Option Used To Satisfy Requirement:	Injection when land apply	
Requirement Met:	Yes	
Land Applied:	Yes	
Limit (if applicable):		
Results (if applicable):		
<p>5.2 Was the limit exceeded or the process criteria not met at the time of land application?</p> <p><input type="radio"/> Yes (40 Points)</p> <p><input checked="" type="radio"/> No</p> <p>If yes, what action was taken?</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
<p>6. Biosolids Storage</p> <p>6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?</p> <p><input checked="" type="radio"/> >= 180 days (0 Points)</p> <p><input type="radio"/> 150 - 179 days (10 Points)</p> <p><input type="radio"/> 120 - 149 days (20 Points)</p> <p><input type="radio"/> 90 - 119 days (30 Points)</p> <p><input type="radio"/> < 90 days (40 Points)</p> <p><input type="radio"/> N/A (0 Points)</p> <p>6.2 If you checked N/A above, explain why.</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		
<p>7. Issues</p> <p>7.1 Describe any outstanding biosolids issues with treatment, use or overall management:</p> <div style="border: 1px solid black; padding: 2px;">none</div>		

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Staffing and Preventative Maintenance (All Treatment Plants)

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

Operator Certification and Education

1. Operator-In-Charge

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

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

Name:

Certification No:

0

2. Certification Requirements

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

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

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2018; subclass SS is basic level only.)

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

0

3. Succession Planning

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

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

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

0

4. Continuing Education Credits

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Financial Management

<p>1. Provider of Financial Information</p> <p>Name: <input style="width: 300px;" type="text" value="Elizabeth Mccredie"/></p> <p>Telephone: <input style="width: 150px;" type="text" value="608-764-5404"/> (XXX) XXX-XXXX</p> <p>E-Mail Address (optional): <input style="width: 300px;" type="text" value="mccredie@deerfieldwi.com"/></p>													
<p>2. Treatment Works Operating Revenues</p> <p>2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?</p> <p>● Yes (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ No (40 points)</p> <p>If No, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised? Year: <input style="width: 100px;" type="text" value="2017"/></p> <p>● 0-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A (private facility)</p> <p>2.3 Did you have a special account (e.g., CWFPP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?</p> <p>● Yes (0 points)</p> <p>○ No (40 points)</p>	0												
<p>REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]</p>													
<p>3. Equipment Replacement Funds</p> <p>3.1 When was the Equipment Replacement Fund last reviewed and/or revised? Year: <input style="width: 100px;" type="text" value="2017"/></p> <p>● 1-2 years ago (0 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ 3 or more years ago (20 points) <input type="checkbox"/><input type="checkbox"/></p> <p>○ N/A</p> <p>If N/A, please explain:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>													
<p>3.2 Equipment Replacement Fund Activity</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">3.2.1 Ending Balance Reported on Last Year's CMAR</td> <td style="width: 5%; text-align: center;">\$</td> <td style="width: 35%; text-align: right;"><input style="width: 100%;" type="text" value="711,624.35"/></td> </tr> <tr> <td>3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)</td> <td style="text-align: center;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> <tr> <td>3.2.3 Adjusted January 1st Beginning Balance</td> <td style="text-align: center;">\$</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="711,624.35"/></td> </tr> <tr> <td>3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)</td> <td style="text-align: center;">+</td> <td style="text-align: right;"><input style="width: 100%;" type="text" value="0.00"/></td> </tr> </table>	3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 100%;" type="text" value="711,624.35"/>	3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	<input style="width: 100%;" type="text" value="0.00"/>	3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 100%;" type="text" value="711,624.35"/>	3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input style="width: 100%;" type="text" value="0.00"/>	
3.2.1 Ending Balance Reported on Last Year's CMAR	\$	<input style="width: 100%;" type="text" value="711,624.35"/>											
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	<input style="width: 100%;" type="text" value="0.00"/>											
3.2.3 Adjusted January 1st Beginning Balance	\$	<input style="width: 100%;" type="text" value="711,624.35"/>											
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	<input style="width: 100%;" type="text" value="0.00"/>											

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*) - \$ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year \$ 711,624.35

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

3.3 What amount should be in your Replacement Fund? \$ 412,200.00 **0**

Please note: If you had a CWFP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

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

- Yes
- No

If No, please explain.

4. Future Planning

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

- Yes - If Yes, please provide major project information, if not already listed below.
- No

Project #	Project Description	Estimated Cost	Approximate Construction Year
None reported			

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:

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	781	
February	642	
March	622	
April	622	
May	670	
June	572	
July	542	
August	706	
September	683	
October	685	
November	825	
December	871	
Total	8,221	0
Average	685	0

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

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

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

6.2.2 Comments:

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

No

Yes

Year:

By Whom:

Describe and Comment:

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

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?

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	36,800	5.21	7,063	15.35	2,397	233
February	42,000	5.12	8,203	15.04	2,793	211
March	30,400	5.37	5,661	15.16	2,005	155
April	33,200	5.06	6,561	15.69	2,116	148
May	29,600	6.53	4,533	19.07	1,552	39
June	32,800	6.32	5,190	19.23	1,706	6
July	31,600	6.19	5,105	17.05	1,853	1
August	34,800	8.10	4,296	22.60	1,540	0
September	34,000	9.45	3,598	25.65	1,326	1
October	31,200	9.45	3,302	24.89	1,254	17
November	35,600	7.42	4,798	21.51	1,655	119
December	34,400	7.33	4,693	21.58	1,594	186
Total	406,400	81.55		232.82		1,116
Average	33,867	6.80	5,250	19.40	1,816	101

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:

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

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
- Yes

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

- Flared Off
- Building Heat
- Process Heat
- Generate Electricity
- Other:

9. Energy Efficiency Study

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

- No
- Yes

Entire facility

Year:

By Whom:

Describe and Comment:

Part of the facility

Year:

By Whom:

Describe and Comment:

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 **2018**

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Sanitary Sewer Collection Systems

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

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

Yes

No

If No, explain:

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

Yes

No (30 points)

N/A

If No or N/A, explain:

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

Goals [NR 210.23 (4)(a)]

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

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?

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

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:

5/9/2019

2018

- A description of routine operation and maintenance activities (see question 2 below)
 - Capacity assessment program
 - Basement back assessment and correction
 - Regular O&M training
 - Design and Performance Provisions [NR 210.23 (4) (e)]
- What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?
- State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
 - Construction, Inspection, and Testing
 - Others:

- Overflow Emergency Response Plan [NR 210.23 (4) (f)]
- Does your emergency response capability include:
- Responsible personnel communication procedures
 - Response order, timing and clean-up
 - Public notification protocols
 - Training
 - Emergency operation protocols and implementation procedures
- Annual Self-Auditing of your CMOM Program [NR 210.23 (5)]
 - Special Studies Last Year (check only those that apply):
 - Infiltration/Inflow (I/I) Analysis
 - Sewer System Evaluation Survey (SSES)
 - Sewer Evaluation and Capacity Management Plan (SECAP)
 - Lift Station Evaluation Report
 - Others:

2. Operation and Maintenance

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

Cleaning	<input style="width: 50px;" type="text" value="5"/>	% of system/year
Root removal	<input style="width: 50px;" type="text" value="5"/>	% of system/year
Flow monitoring	<input style="width: 50px;" type="text" value="0"/>	% of system/year
Smoke testing	<input style="width: 50px;" type="text" value="0"/>	% of system/year
Sewer line televising	<input style="width: 50px;" type="text" value="50"/>	% of system/year
Manhole inspections	<input style="width: 50px;" type="text" value="5"/>	% of system/year
Lift station O&M	<input style="width: 50px;" type="text" value="3"/>	# per L.S./year
Manhole rehabilitation	<input style="width: 50px;" type="text" value="1"/>	% of manholes rehabbed
Mainline rehabilitation	<input style="width: 50px;" type="text" value=".5"/>	% of sewer lines rehabbed
Private sewer inspections	<input style="width: 50px;" type="text" value="0"/>	% of system/year
Private sewer I/I removal	<input style="width: 50px;" type="text" value="0"/>	% of private services

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

River or water crossings % of pipe crossings evaluated or maintained

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

3. Performance Indicators

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

<input type="text" value="50.22"/>	Total actual amount of precipitation last year in inches
<input type="text" value="36.1"/>	Annual average precipitation (for your location)
<input type="text" value="12"/>	Miles of sanitary sewer
<input type="text" value="4"/>	Number of lift stations
<input type="text" value="0"/>	Number of lift station failures
<input type="text" value="0"/>	Number of sewer pipe failures
<input type="text" value="0"/>	Number of basement backup occurrences
<input type="text" value="0"/>	Number of complaints
<input type="text" value="0"/>	Average daily flow in MGD (if available)
<input type="text" value="0"/>	Peak monthly flow in MGD (if available)
<input type="text" value="0"/>	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

<input type="text" value="0.00"/>	Lift station failures (failures/year)
<input type="text" value="0.00"/>	Sewer pipe failures (pipe failures/sewer mile/yr)
<input type="text" value="0.00"/>	Sanitary sewer overflows (number/sewer mile/yr)
<input type="text" value="0.00"/>	Basement backups (number/sewer mile)
<input type="text" value="0.00"/>	Complaints (number/sewer mile)
<input type="text" value="NaN"/>	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
<input type="text" value="NaN"/>	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OFERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume (MG)
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

Yes

No

If Yes, please describe:

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

Yes

No

If Yes, please describe:

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

<p>5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:</p> <p>None</p> <p>5.4 What is being done to address infiltration/inflow in your collection system?</p> <p>Manhole rehab, including inner and outer seals, new manhole covers and castings.</p>

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

Compliance Maintenance Annual Report

Deerfield Wastewater Treatment Facility

Last Updated: Reporting For:
5/9/2019 2018

Grading Summary

WPDES No: 0023744

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)

TO: Deerfield Public Works Committee

FR: Elizabeth McCredie

Public Works Meeting Date: May 13, 2019

AGENDA ITEM: STREET CLOSURE REQUEST – FIREMEN’S FESTIVAL

It's that time of year again!! The Deerfield Firemen's festival will be held May 31, June 1 & 2 and they're requesting that the following streets be closed during this time frame:

- ½ of Grand Avenue from W. Nelson Street to W. Deerfield Street
- ½ of Park Drive from W. Nelson Street to W. Deerfield Street
- W. Deerfield Street from S. Main Street to Park Drive
- The south side of W. Nelson from Park Drive to Grand Ave.

April 10, 2019

RECEIVED

APR 15 2019

VILLAGE OF DEERFIELD

Elizabeth McCredie
Village of Deerfield
4 N Main St.

Dear Ms. McCredie,

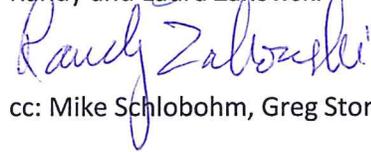
We are writing this letter to address the condition of North Nelson Road. Enclosed is the previous letter sent in September of 2015. At that time, we discussed the issues of the road and it was understood that the due to the 10-year TIF given to the Savannah Park development nothing would be done to improve North Nelson road until the TIF ended in 2018.

We would like to know if the Village has plans to make repairs or any improvements to the road this year.

Thank you for your consideration.



Randy and Laura Zakowski



cc: Mike Schlobohm, Greg Storlie, Owen Storlie, Jason Storlie

September 24, 2015

RECEIVED

APR 15 2019

VILLAGE OF DEERFIELD

Elizabeth Mc Credie
Village of Deerfield

Dear Liz,

I would like to address the condition of North Nelson Road. Most of the road is paved, but there is an unpaved section about 200 feet long by 50 feet wide. This area is graveled and riddled with potholes. When conditions are dry a lot of dust comes off this area when driven through, which covers parked cars or drifts into MPI.

Part of the original paved road, before the Savannah Park development, still exists north and east of the open graveled area. This part is used heavily by semi-trucks since this is where MPI has it's loading docks. Because of this the asphalt has greatly deteriorated over the years. Add to that snow removal efforts every year and the problem of potholes grows exponentially.

We are aware of the reason why this part of the road was left unpaved, but would like the Village board to discuss this situation considering the length of time the road has been left in this current state.

Mr. John Doyle and I have discussed this this problem for many years and have made many temporary fixes but now we believe that a more permitted solution is needed.

I have also studied the traffic pattern on this road and around the MPI factory. The bottom line is semi-trucks, mostly from MPI are traveling this road. Mr. Owen Storlie's Ag Spraying business also contributes to the problem but is only a small part of the current issue. In addition, there are other heavy vehicles like garbage trucks and school buses traveling this road.

Thank you for your time, I look forward to hearing from you on this matter.

Sincerely,

Randy Zakowski



cc: Mike Schlobohm

PUBLIC WORKS MINUTES VILLAGE OF DEERFIELD

**FOR A MEETING OF THE PUBLIC WORKS COMMITTEE OF THE VILLAGE OF DEERFIELD
HELD AT THE DEERFIELD VILLAGE HALL, 4 N. MAIN STREET, DEERFIELD, WISCONSIN ON
OCTOBER 19, 2015 AT 6:00 P.M.**

CALL TO ORDER – NOTING OF ROLL BY CLERK

The meeting was called to order at 6:00 pm by President Frutiger. Roll call: Schreiber, Tebon and Frutiger present. Also present: Public Works Director, John Doyle.

CONSENT AGENDA

Motion by Tebon and seconded by Frutiger to approve the October 19, 2015 agenda as presented. All ayes, motion carried.

A. APPROVAL OF MINUTES FROM SEPTEMBER 14, 2015

Motion by Tebon and seconded by Frutiger to approve the minutes from September 14, 2015 as written. All ayes, motion carried.

PUBLIC APPEARANCES

A. PUBLIC COMMENTS

UNFINISHED BUSINESS, REVIEW & ACTION THERE ON

NEW BUSINESS

A. RESOLUTIONS

B. LICENSES & PERMITS

C. REVIEW & ACTION

1. REQUEST FROM UTICA/NORA TRAILBLAZERS TO ESTABLISH SNOWMOBILE ROUTES WITHIN THE VILLAGE

The Utica/Nora Trailblazers submitted their annual request to establish snowmobile routes, within the Village limits, with the routes remaining the same as in previous years. There were no complaints received for the 2014/2015 season.

Motion by Tebon and seconded by Frutiger to approve and recommend to the Village board the request from the Utica/Nora Trailblazers to establish snowmobile routes within the Village for the 2015/2016 season with the routes remaining the same as in previous years. All ayes, motion carried.

2. HIRING OF NEW FULL TIME PUBLIC WORKS EMPLOYEE

Doyle stated that 15 applications were received and recommended that the Bryon Schumacher be offered the position. Schumacher has worked at the Cambridge NAPA for around 20 years so everyone in Public Works knows and likes him. He comes with a CDL license and good customer skills.

Motion by Tebon and seconded by Frutiger to approve and recommend to the Village Board hiring Bryon Schumacher to fill the full-time Public Works position. All ayes, motion carried.

3. REQUEST TO PAVE N NELSON ROAD

A request was received from Randy Zakowski to address the condition of North Nelson St. In particular an unpaved section about 200 ft. long and 50 ft. wide. The committee recommended that the holes be filled in for now and to look into sharing the cost of repairing the section with businesses that travel that section.

4. DISCUSS BILLING FOR STREET CLEAN-UP – SAGER STREET

On September 15th the Village received a call regarding a tree in the road on Sager Street. Upon investigation it was determined that a tree located on the property of 507 Sager Street had fallen and was blocking the road. The Public Works Department cleaned up the debris at a cost of \$384.23. McCredie questioned if this was a Village expense or if an invoice needed to be sent to the property owner. The committee instructed McCredie to send it to the property owner.

ORDINANCES

COMMUNICATIONS