# Compliance Maintenance Annual Report

**Lakeland Sanitary District**

Last Updated: 6/12/2025 Reporting For: **2024**

## 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. 702 | Influent Monthly Average Flow, MGD | x | Influent Monthly Average BOD Concentration mg/L | x | 8.34 | = | Influent Monthly Average BOD Loading, lbs/day |
|---|---|---|---|---|---|---|---|
| January | 0.2413 | x | 434 | x | 8.34 | = | 872 |
| February | 0.2542 | x | 442 | x | 8.34 | = | 938 |
| March | 0.2304 | x | 452 | x | 8.34 | = | 868 |
| April | 0.2331 | x | 533 | x | 8.34 | = | 1,036 |
| May | 0.2522 | x | 497 | x | 8.34 | = | 1,045 |
| June | 0.3095 | x | 399 | x | 8.34 | = | 1,031 |
| July | 0.3478 | x | 422 | x | 8.34 | = | 1,225 |
| August | 0.3153 | x | 329 | x | 8.34 | = | 864 |
| September | 0.2755 | x | 424 | x | 8.34 | = | 974 |
| October | 0.2542 | x | 378 | x | 8.34 | = | 801 |
| November | 0.2218 | x | 363 | x | 8.34 | = | 672 |
| December | 0.2336 | x | 331 | x | 8.34 | = | 645 |

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

| Design | Design Factor | x | % | = | % of Design |
|---|---|---|---|---|---|
| Max Month Design Flow, MGD | .75 | x | 90 | = | 0.675 |
| | | x | 100 | = | .75 |
| Design BOD, lbs/day | 2250 | x | 90 | = | 2025 |
| | | x | 100 | = | 2250 |

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

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

**0**

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3. Flow Meter

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

● Yes Enter last calibration date (MM/DD/YYYY): 2024-05-20

○ 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 314,400 gallons

○ No

Holding Tanks

● Yes 98,800 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.

The septic and holding creates a problem with suspended solids. We have reduced the amount that we accept at this point but are doing a plant upgrade for the future.

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.

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

○ 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** |

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## 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 | 30 | 27 | 5 | 1 | 0 | 0 |
| February | 30 | 27 | 3 | 1 | 0 | 0 |
| March | 30 | 27 | 2 | 1 | 0 | 0 |
| April | 30 | 27 | 4 | 1 | 0 | 0 |
| May | 30 | 27 | 4 | 1 | 0 | 0 |
| June | 30 | 27 | 5 | 1 | 0 | 0 |
| July | 30 | 27 | 18 | 1 | 0 | 0 |
| August | 30 | 27 | 7 | 1 | 0 | 0 |
| September | 30 | 27 | 7 | 1 | 0 | 0 |
| October | 30 | 27 | 11 | 1 | 0 | 0 |
| November | 30 | 27 | 8 | 1 | 0 | 0 |
| December | 30 | 27 | 4 | 1 | 0 | 0 |
| * Equals limit if limit is <= 10 | | | | | | |
| Months of discharge/yr | | | | 12 | | |
| Points per each exceedance with 12 months of discharge | | | | | 7 | 3 |
| Exceedances | | | | | 0 | 0 |
| Points | | | | | 0 | 0 |
| **Total number of points** | | | | | | **0** |

**0**

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

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

2. Flow Meter Calibration

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

● Yes Enter last calibration date (MM/DD/YYYY) 2024-05-20

○ No

If No, please explain:

3. Treatment Problems

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

none

4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

○ Yes

● No

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If Yes, please explain:

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

- ○ Yes
- ● No

If Yes, please explain:

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

- ○ Yes
- ○ No
- ● N/A

Please explain unless not applicable:

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

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## 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 | 30 | 27 | 10 | 1 | 0 | 0 | |
| February | 30 | 27 | 3 | 1 | 0 | 0 | |
| March | 30 | 27 | 2 | 1 | 0 | 0 | |
| April | 30 | 27 | 5 | 1 | 0 | 0 | |
| May | 30 | 27 | 4 | 1 | 0 | 0 | |
| June | 30 | 27 | 6 | 1 | 0 | 0 | |
| July | 30 | 27 | 19 | 1 | 0 | 0 | |
| August | 30 | 27 | 7 | 1 | 0 | 0 | |
| September | 30 | 27 | 9 | 1 | 0 | 0 | |
| October | 30 | 27 | 11 | 1 | 0 | 0 | |
| November | 30 | 27 | 7 | 1 | 0 | 0 | **0** |
| December | 30 | 27 | 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?

none

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

# Compliance Maintenance Annual Report

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## 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 | 15 | 29 | 1.091 | 0 | .213 | .187 | 1.593 | 2.947 | 0 |
| February | 15 | 29 | .882 | 0 | .457 | .493 | .81 | 1.767 | 0 |
| March | 15 | 29 | 1.152 | 0 | 1.467 | .937 | 1.22 | .983 | 0 |
| April | 15 | 29 | 1.212 | 0 | 1.35 | .83 | 1.753 | 1.02 | 0 |
| May | 16 | 27 | 1.951 | 0 | .753 | .563 | 2.203 | 4.403 | 0 |
| June | 16 | 27 | 2.697 | 0 | 3.653 | 2.417 | 1.833 | 2.07 | 0 |
| July | 16 | 27 | 13.945 | 0 | 2.425 | 13.087 | 23.297 | 14.927 | 0 |
| August | 16 | 27 | 7.958 | 0 | 7.837 | 10.967 | 7.03 | 6 | 0 |
| September | 16 | 27 | 16.625 | 1 | 7.433 | 9.32 | 21.787 | 23.223 | 0 |
| October | 16 | 27 | 14.316 | 0 | 16.37 | 18.763 | 14.71 | 11.217 | 0 |
| November | 25 | 47 | 2.141 | 0 | 4.36 | .877 | 2.34 | .987 | 0 |
| December | 25 | 47 | 1.306 | 0 | .19 | .237 | .18 | 3.82 | 0 |

| | |
|---|---|
| Points per each exceedance of Monthly average: | 10 |
| Exceedances, Monthly: | 1 |
| Points: | 10 |
| Points per each exceedance of weekly average (when there is no monthly average): | 2.5 |
| Exceedances, Weekly: | 0 |
| Points: | 0 |
| **Total Number of Points** | **10** |

**10**

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?

added lime to the oxidation ditch.

| | |
|---|---|
| **Total Points Generated** | 10 |
| **Score (100 - Total Points Generated)** | 90 |
| **Section Grade** | **B** |

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## Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

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

| Outfall No. 001 | Monthly Average phosphorus Limit (mg/L) | Effluent Monthly Average phosphorus (mg/L) | Months of Discharge with a Limit | Permit Limit Exceedance |
|---|---|---|---|---|
| January | 1 | 0.197 | 1 | 0 |
| February | 1 | 0.153 | 1 | 0 |
| March | 1 | 0.225 | 1 | 0 |
| April | 1 | 0.478 | 1 | 0 |
| May | 1 | 0.630 | 1 | 0 |
| June | 1 | 0.651 | 1 | 0 |
| July | 1 | 1.380 | 1 | 1 |
| August | 1 | 0.668 | 1 | 0 |
| September | 1 | 0.438 | 1 | 0 |
| October | 1 | 0.471 | 1 | 0 |
| November | 1 | 0.311 | 1 | 0 |
| December | 1 | 0.256 | 1 | 0 |
| Months of Discharge/yr | | | 12 | |
| **Points per each exceedance with 12 months of discharge:** | | | | **10** |
| Exceedances | | | | 1 |
| **Total Number of Points** | | | | **10** |

**10**

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?

we added more alum phosphate

| | |
|---|---|
| **Total Points Generated** | 10 |
| **Score (100 - Total Points Generated)** | 90 |
| **Section Grade** | **B** |

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## Biosolids Quality and Management

1. Biosolids Use/Disposal

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

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

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

1.1.1 If you checked Other, please describe:

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 003 - Municipal 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 | | | 7.64 | | | | | | | | | | | 0 | 0 |
| Cadmium | | 39 | 85 | | | 1.3 | | | | | | | | | | | 0 | 0 |
| Copper | | 1500 | 4300 | | | 62 | | | | | | | | | | | 0 | 0 |
| Lead | | 300 | 840 | | | 16 | | | | | | | | | | | 0 | 0 |
| Mercury | | 17 | 57 | | | 2.1 | | | | | | | | | | | 0 | 0 |
| Molybdenum | 60 | | 75 | | | 12 | | | | | | | | | | 0 | | 0 |
| Nickel | 336 | | 420 | | | 17 | | | | | | | | | | 0 | | 0 |
| Selenium | 80 | | 100 | | | <0 | | | | | | | | | | 0 | | 0 |
| Zinc | | 2800 | 7500 | | | 679 | | | | | | | | | | | 0 | 0 |

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

Exceedence Points

- ● 0 (0 Points)
- ○ 1-2 (10 Points)
- ○ > 2 (15 Points)

3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)

- ● Yes
- ○ No (10 points)
- ○ N/A - Did not exceed limits or no HQ limit applies (0 points)
- ○ N/A - Did not land apply biosolids until limit was met (0 points)

3.1.3 Number of times any of the metals exceeded the ceiling limits = 0

Exceedence Points

- ● 0 (0 Points)
- ○ 1 (10 Points)
- ○ > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

- ○ Yes (20 Points)
- ● No (0 Points)

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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: | **003** |
|---|---|
| Biosolids Class: | A |
| Bacteria Type and Limit: | Fecal Coliform |
| Sample Dates: | 01/01/2024 - 12/31/2024 |
| Density: | 0 |
| Sample Concentration Amount: | MPN/G TS |
| Requirement Met: | Yes |
| Land Applied: | No |
| Process: | Thermophilic Aerobic Digestion |
| Process Description: | 10 days retention time at 131 degrees f or longer |

| Outfall Number: | **005** |
|---|---|
| Biosolids Class: | A |
| Bacteria Type and Limit: | Fecal Coliform |
| Sample Dates: | 01/01/2024 - 03/31/2024 |
| Density: | 5 |
| Sample Concentration Amount: | MPN/G TS |
| Requirement Met: | Yes |
| Land Applied: | No |
| Process: | Thermophilic Aerobic Digestion |
| Process Description: | 10 day at 130 degrees F or more |

| Outfall Number: | **005** |
|---|---|
| Biosolids Class: | A |
| Bacteria Type and Limit: | Fecal Coliform |
| Sample Dates: | 04/01/2024 - 06/30/2024 |
| Density: | 1 |
| Sample Concentration Amount: | MPN/G TS |
| Requirement Met: | Yes |
| Land Applied: | No |
| Process: | Thermophilic Aerobic Digestion |
| Process Description: | 10 days retention time at 131 degrees f. or more |

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| Outfall Number: | **005** |
|---|---|
| Biosolids Class: | A |
| Bacteria Type and Limit: | Fecal Coliform |
| Sample Dates: | 07/01/2024 - 09/30/2024 |
| Density: | 6 |
| Sample Concentration Amount: | MPN/G TS |
| Requirement Met: | Yes |
| Land Applied: | Yes |
| Process: | Thermophilic Aerobic Digestion |
| Process Description: | 10 days or more retention time at 131 degrees F or more |

| Outfall Number: | **005** |
|---|---|
| Biosolids Class: | A |
| Bacteria Type and Limit: | Fecal Coliform |
| Sample Dates: | 10/01/2024 - 12/31/2024 |
| Density: | 3 |
| Sample Concentration Amount: | MPN/G TS |
| Requirement Met: | Yes |
| Land Applied: | No |
| Process: | Thermophilic Aerobic Digestion |
| Process Description: | 10 days retention time at 131 degrees f. |

**0**

4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.

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

○ Yes (40 Points)

● No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, use the Report Issue button under the Options header in the left-side menu.

| Outfall Number: | **003** |
|---|---|
| Method Date: | 03/22/2024 |
| Option Used To Satisfy Requirement: | Volatile Solids Reduction |
| Requirement Met: | Yes |
| Land Applied: | No |
| Limit (if applicable): | >=38 |
| Results (if applicable): | 72 |

| Outfall Number: | **005** |
|---|---|
| Method Date: | 01/12/2024 |
| Option Used To Satisfy Requirement: | Volatile Solids Reduction |
| Requirement Met: | Yes |
| Land Applied: | No |
| Limit (if applicable): | >=38 |
| Results (if applicable): | 56.6 |

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| Outfall Number: | **005** |
|---|---|
| Method Date: | 04/10/2024 |
| Option Used To Satisfy Requirement: | Volatile Solids Reduction |
| Requirement Met: | Yes |
| Land Applied: | No |
| Limit (if applicable): | >=38 |
| Results (if applicable): | 41.3 |

| Outfall Number: | **005** |
|---|---|
| Method Date: | 07/03/2024 |
| Option Used To Satisfy Requirement: | Volatile Solids Reduction |
| Requirement Met: | Yes |
| Land Applied: | Yes |
| Limit (if applicable): | >=38 |
| Results (if applicable): | 57.8 |

| Outfall Number: | **005** |
|---|---|
| Method Date: | 10/02/2024 |
| Option Used To Satisfy Requirement: | Volatile Solids Reduction |
| Requirement Met: | Yes |
| Land Applied: | No |
| Limit (if applicable): | >=38 |
| Results (if applicable): | 55.3 |

5.2 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**

6. Biosolids Storage

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

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

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

**0**

7. Issues

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

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

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## Staffing and Preventative Maintenance (All Treatment Plants)

| | |
|---|---|
| 1. Plant Staffing<br>1.1 Was your wastewater treatment plant adequately staffed last year?<br>● Yes<br>○ No<br>If No, please explain:<br><br>Could use more help/staff for:<br><br>1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?<br>● Yes<br>○ No<br>If No, please explain: | |
| 2. Preventative Maintenance<br>2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?<br>● Yes (Continue with question 2) ☐☐<br>○ No (40 points)☐☐<br>If No, please explain, then go to question 3:<br><br>2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?<br>● Yes<br>○ No (10 points)<br>2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?<br>● Yes<br>○ Paper file system<br>○ Computer system<br>● Both paper and computer system<br>○ No (10 points) | **0** |
| 3. O&M Manual<br>3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed?<br>● Yes<br>○ No | |
| 4. Overall Maintenance /Repairs<br>4.1 Rate the overall maintenance of your wastewater plant.<br>● Excellent<br>○ Very good<br>○ Good<br>○ Fair<br>○ Poor<br>Describe your rating: | |

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I feel we maintain our plant and wastewater line in a timely manner. We check our lift stations daily and perform weekly maintenance.

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

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## Operator Certification and Education

1. Operator-In-Charge

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

- ● Yes (0 points)
- ○ No (20 points)

Name: WILBUR W PETERS

Certification No: 33686

**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 | | | | X |
| A5 | Anaerobic Treatment Of Liquid | | | | |
| B | Solids Separation | X | | | X |
| C | Biological Solids/Sludges | X | | | X |
| P | Total Phosphorus | X | | | X |
| N | Total Nitrogen | | | | X |
| D | Disinfection | X | | | X |
| L | Laboratory | X | | | X |
| U | Unique Treatment Systems | | | | |
| SS | Sanitary Sewage Collection | X | NA | X | NA |

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

- ● Yes (0 points)
- ○ No (20 points)

2.3 For wastewater treatment facilities with a registered or certified laboratory, is at least one operator that works in the laboratory certified at the basic level in the laboratory (L) subclass?

- ● Yes
- ○ No
- ○ N/A – Wastewater treatment facility does not have a registered or certified laboratory

2.4 For wastewater treatment facilities that own and operate a sanitary sewage collection system, has at least one operator been designated the OIC for sanitary sewage collection system and certified at the basic level in the sanitary sewage collection system (SS) subclass?

- ● Yes
- ○ No
- ○ N/A – Owner of the Wastewater treatment facility does not own and operate a sanitary sewage collection system

**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

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| | |
|---|---|
| ☐ An arrangement with another certified operator<br>☐ An arrangement with another community with a certified operator<br>☐ An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year<br>☐ A consultant to serve as your certified operator<br>☐ None of the above (20 points)<br>If "None of the above" is selected, please explain: | **0** |
| 4. Continuing Education Credits<br>4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?<br>OIT and Basic Certification:<br>○ Averaging 6 or more CECs per year.<br>○ Averaging less than 6 CECs per year.<br>Advanced Certification:<br>● Averaging 8 or more CECs per year.<br>○ Averaging less than 8 CECs per year. | |

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

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## Financial Management

1. Provider of Financial Information

Name: Julie VanSkyhawk

Telephone: 715-356-4454 (XXX) XXX-XXXX

E-Mail Address (optional): jvanskyhawksandist@gmail.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: 2025

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

**0**

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

- ● Yes (0 points)
- ○ No (40 points)

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

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

Year: 2025

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

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

| | | |
|---|---|---|
| **3.2.1 Ending Balance Reported on Last Year's CMAR** | | $ 296,778.45 |
| 3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.) | + | $ 15,874.72 |
| 3.2.3 Adjusted January 1st Beginning Balance | | $ 312,653.17 |
| 3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.) | + | $ 0.00 |

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

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year $ 312,653.17

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? $ 317,192.27

**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.

Bank interest earned on account

4. Future Planning

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

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

○ No

| Project # | Project Description | Estimated Cost | Approximate Construction Year |
|---|---|---|---|
| 1 | Wastewater treatment plant facility upgrade. | $15,598,000 | 2024 |
| 2 | Wastewater treatment plant facility upgrade. | $15,598,000 | 2024 |
| 3 | Wastewater treatment plant facility upgrade. | $15,598,000 | 2024 |

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: 17

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| | Electricity Consumed (kWh) | Natural Gas Consumed (therms) |
|---|---|---|
| **January** | 75,792 | 4,645 |
| **February** | 75,205 | 3,766 |
| **March** | 84,537 | 3,967 |
| **April** | 81,725 | 2,938 |
| **May** | 72,319 | 2,104 |
| **June** | 49,179 | 1,202 |
| **July** | 81,759 | 985 |
| **August** | 69,624 | 930 |
| **September** | 64,938 | 234 |
| **October** | 63,100 | 1,684 |
| **November** | 60,116 | 2,550 |
| **December** | 64,664 | 5,210 |
| **Total** | **842,958** | **30,215** |
| **Average** | **70,247** | **2,518** |

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:

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** | 56,480 | 7.48 | 7,551 | 27.03 | 2,090 | 4,383 |
| **February** | 51,280 | 7.37 | 6,958 | 27.20 | 1,885 | 3,570 |
| **March** | 57,840 | 7.14 | 8,101 | 26.91 | 2,149 | 3,672 |
| **April** | 59,520 | 6.99 | 8,515 | 31.08 | 1,915 | 2,730 |
| **May** | 52,400 | 7.82 | 6,701 | 32.40 | 1,617 | 1,982 |
| **June** | 33,600 | 9.29 | 3,617 | 30.93 | 1,086 | 1,186 |
| **July** | 54,160 | 10.78 | 5,024 | 37.98 | 1,426 | 974 |
| **August** | 43,680 | 9.77 | 4,471 | 26.78 | 1,631 | 920 |
| **September** | 42,000 | 8.27 | 5,079 | 29.22 | 1,437 | 222 |
| **October** | 40,685 | 7.88 | 5,163 | 24.83 | 1,639 | 1,646 |
| **November** | 40,537 | 6.65 | 6,096 | 20.16 | 2,011 | 2,438 |
| **December** | 43,040 | 7.24 | 5,945 | 20.00 | 2,152 | 4,930 |
| **Total** | **575,222** | **96.68** | | **334.52** | | **28,653** |
| **Average** | **47,935** | **8.06** | **6,102** | **27.88** | **1,753** | **2,388** |

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:

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:

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

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## Sanitary Sewer Collection Systems

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

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

- ● Yes
- ○ No

If No, explain:

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

- ● Yes
- ○ No (30 points)
- ○ N/A

If No or N/A, explain:

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

☒ Goals [NR 210.23 (4)(a)]

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

The overall goal of the CMOM program is to prevent sanitary overflows and basement backups. The goals listed are setup in tow different categories. The first is ongoing. These goals are geared towards the long term to ensure continued operation of the collection system, prevent SSOs and basement backups. The yearly goals are established to handle replacement issues that are identified by yearly inspections or address individual sections of the system infrastructure will be determined by the as needed basis. The replacement of the collection system will be by the severity of the problem and the budgeted funds available. Ongoing cleaning, 1/3 of the collection system yearly. The most effective way to preventing backups is routine cleaning. Review sewer use and sewer chare ordinances yearly and make changes as needed. Inspect 1/3 manholes in the system yearly. This can be done in conjunction with the cleaning of the collection system. Contiue to use degreaser at the lift stations. Send out pamphlets about rags and wipes in the system.

Did you accomplish them?

- ● Yes
- ○ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)]☐☐

Does this chapter of your CMOM include:

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

☒ Legal Authority [NR 210.23 (4) (c)]

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

Sewer Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2024-06-06

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

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☒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
☒ 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:

**0**

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

2. Operation and Maintenance

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

| | | |
|---|---|---|
| Cleaning | 33.3 | % of system/year |
| Root removal | 10 | % of system/year |
| Flow monitoring | 100 | % of system/year |
| Smoke testing | 10 | % of system/year |
| Sewer line televising | 30 | % of system/year |
| Manhole inspections | 33.3 | % of system/year |

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| | | |
|---|---|---|
| Lift station O&M | 100 | # per L.S./year |
| Manhole rehabilitation | 10 | % of manholes rehabbed |
| Mainline rehabilitation | 10 | % of sewer lines rehabbed |
| Private sewer inspections | 10 | % of system/year |
| Private sewer I/I removal | 10 | % of private services |
| River or water crossings | 100 | % 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.

| | |
|---|---|
| 30.3 | Total actual amount of precipitation last year in inches |
| 32. | Annual average precipitation (for your location) |
| 19 | Miles of sanitary sewer |
| 17 | Number of lift stations |
| 0 | Number of lift station failures |
| 0 | Number of sewer pipe failures |
| 0 | Number of basement backup occurrences |
| 0 | Number of complaints |
| | 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) |
| 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)

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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:

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?

inspect lines manhole covers and replace as needed

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

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## Grading Summary

WPDES No: 0022837

| 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 | B | 3 | 5 | 15 |
| Phosphorus | B | 3 | 3 | 9 |
| 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** | **140** |
| **GRADE POINT AVERAGE (GPA) = 3.78** | | | | |

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

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Reporting For: **2024**

## Resolution or Owner's Statement

Name of Governing Body or Owner:

Date of Resolution or Action Taken:

Resolution Number:

Date of Submittal:

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

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = B

Effluent Quality: Phosphorus: Grade = B

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

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

**ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS**
(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)
**G.P.A. = 3.78**