



# CITY OF JANESVILLE

*Wisconsin's Park Place*

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August 3, 2021

Attn: Mr. Nathan Wells  
Wastewater Engineer  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, WI 53711-5367  
[nathan.wells@wisconsin.gov](mailto:nathan.wells@wisconsin.gov)

RE: City of Janesville, Wisconsin  
CMOM Program Annual Report

Dear Mr. Meronek:

The following is the City of Janesville's Annual CMOM report:

## 2021 CMOM Report

### **Operational update**

In 2020/2021 we continue to evaluate the health and operational aspects of the collection system.

There are areas of concern that will be the focus of our efforts as it relates our Capital Improvement Program.

We continue to evaluate our cleaning, televising, lining and replacement program to make sure that we are addressing the needs of the system as well as developing a plan for the future to maximize our available resources on a year-to-year basis.

### **Mechanical components (lift stations)**

We have developed a maintenance schedule with the assistance of our pump manufacturer to ensure the continued efficient and operational status of all the pumps in our system. We will continue to evaluate mechanical components that would be areas of concern and put them in the budget for upgrades or replacements.

## Inspections and Cleaning

In 2020-2021 we have continued our comprehensive FOG program that had an emphasis on our commercial account base. Since we have enhanced our program with a more comprehensive City Ordinance, we are finding more compliance within our commercial customer base on the cleaning and maintenance of their grease interceptors.

We have also continued our residential grease program in 2021 titled "Cease the Grease." We have created a city webpage for homeowners to identify what FOG is and in the proper disposal of FOG. To assist homeowners in the disposal, we have purchased reusable lids that we provide free of charge. These lids are placed on a can for storage until the can is full and can be discarded.

The webpage can be viewed at:

<http://www.ci.janesville.wi.us/government/departments/public-works/water-utility/cease-the-grease>

The Wastewater Utility has undergone a significant investment in equipment and personnel which has allowed us to bring all of our cleaning and televising in house. By making such a large investment we are now able to clean and televise our sanitary mains more effectively and on a prescribed schedule.

Our Engineering Division manages our yearly contracts to replace, repair or line our sanitary mains and structure rehabilitation as needed for our annual street program or by the need of repair due to age or distress.

Within the contracts from Engineering we also target areas of possible infiltration from ground water and roots. We continue to be very proactive on attempting to locate and minimize any and all root intrusion and groundwater infiltration as it is recognized by lining and/or grouting those sewer segments or replacing those areas if lining is not an option.

We have 352.12 miles of sewer mains in our system in sizes ranging from 4"-72".

To date for the time period of August 1, 2020 to August 1, 2021 our numbers for these activities are as follows:

	<u>Water Utility Staff</u>	<u>Engineering Contract</u>
<u>Cleaning:</u>	*530,968.70 lf	
<u>Televised:</u>	192,470.90 lf	
<u>Manholes Rehabbed:</u>		190
<u>Sewers Lined:</u>		6,649 lf
<u>Sanitary Spot Repairs</u>		8
<u>Manholes added:</u>		15
<u>Manhole inspections:</u>		165

\*This number includes 15,182 lf of sewer segments that have been cleaned more than one time.

## SSO's

No SSO's for this reporting cycle.

## Sanitary Basement Backups:

There have been 77 back-ups reported in this time period versus 64 back-ups reported for this time period in 2019-2020. The back-ups were investigated and they were categorized as follows:

Private lateral backups due to roots, grease, other: 73

Public main back-ups: 4

The 4 public back-ups drained back into the main once cleared. The contributing factors in the 4 back-ups were identified grease, rags and roots from private laterals extending into the City main to be the contributing factor.

## Public Education:

In 2020-2021 we continued our customer education information and brochures intended to educate our customers in regards to our collection system.

We distributed the grease brochure to all accounts by direct mail in the utility bill and posted information on the City website as well to inform customer of the problems that are created with the "flushable wipes" throughout the collection system as well as the treatment plant. We also targeted specific homeowners in areas of concern by the following:

- Handed them out when a problem was identified.
- Distributed them when the home owner's property was part of an engineering project.
- Ran a public education ad on our website and local newspaper.

The "Cease the Grease" campaign was created in 2017 to educate homeowners in proper FOG identification and disposal. Can lids are free of charge to assist homeowners with the program.

We believe this is a very effective way to educate the public in how these problems can affect our system as well as their own laterals and what steps to take to try and prevent a costly repair.

We have included photos of the lid that we have provided to homeowners for the "Cease the Grease" campaign and the grease brochure that is provided to homeowners.



**SANITARY SEWER BACK-UPS: FATS, OILS AND GREASE**

**What causes grease back-ups?**

If not disposed properly, grease is washed into the plumbing system, usually from the kitchen sink. The grease ends up in the line of the sanitary sewer line - the internal pipes of your residence or business and the City's sewer main. The grease continues to collect and accumulate over time in the pipe where it is usually trapped or even completely blocked. Fat, oil and grease blockages are costly and unpleasant to clean. Sources of fats, oils and grease in the sewer system are:

- Meat fats;
- Cooking oils including hot, draining, burnt or rancid fat;
- Dairy products; and
- Food scraps.



**Never pour grease, oil or fat down your drain.**

**What can I do to prevent this?**

- **Never pour fat, oil or grease down your drain.** - including car, boat, five drain and toilet.
- **Pour cooled grease in a hard plastic container and dispose of in the garbage.**
- **Drainage deposits do not trap grease out of the plumbing system.** Drainage deposits are designed only to guard soil material into smaller pieces, not grease.
- **Drainage that can't do the job means only allow it to pass from the sanitary line.** The grease will eventually gradually and clog a blockage further down the main. The blockage may still affect your life.
- **Grease that seeps and seeps from pipes, pipes and drains before working.** Grease from a dishwasher also enters the sewer system. You can use paper towels to dry a spot from food. Dispose of the scraps and paper towels in the garbage.



**Pour cooled grease in a can and place in your garbage.**

**For Businesses: Grease Interceptors are Regulated**

Grease interceptors are generally not required for residential dwellings. Contact the planning department at 735-3000 to see if your business requires a grease interceptor.

**11.16.05, Permitted - When Required:**

- Existing Installation:** The Director of Planning Department may require the installation of a grease or intercepter grease intercepter for existing building installation where the installation of a drain system or sewer system is required or shall be required to comply with the requirements of this ordinance requiring the proper functioning of the sewer system.
- Grease Interceptors:** Existing grease interceptors shall receive the entire water discharge from kitchen or food processing areas. All interceptors shall be designed, constructed, and installed in accordance with the standards contained in the City and State plumbing codes.
- Maintenance and Record Keeping:** The Owner shall maintain a written record of inspection and maintenance for every year. All records shall be made available for review in person by representatives of the City during all inspections.



**Grease interceptors prevent grease from entering the sewer main.**



**What does the City ordinance say about grease in the sewer?**

**The City of Janesville Ordinance Chapter 12.16 regulates use of the City's sewer system. Part of it says:**

**11.16.05 Grease discharge prohibitions**

The discharge, directly or indirectly, into any public sewer or connection to the junction of the public sewer for the purpose of land disposal or otherwise, or for any discharge, if any of the following provisions is so prohibited:

1. Acid or waste containing acid or grease of such character or quantity that such acid or grease is corrosive or harmful to the sewer.
2. Field or leachate sludge or slurry that will or may cause obstruction to the sewer or other interference with the operation of the sewerage system.

To report a sewer back-up, call the Water Utility at 735-3115. Monitor Public Works at 735-3115. (If you're in a hurry, call the emergency number 735-3115.)

**Need More Information?**

The Janesville Water Utility offers high quality and reliable service. For more information, contact the Water Utility at 735-3115.

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If you have a question about the City's sewer system, call the Water Utility at 735-3115.

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**GREASE-BASED SANITARY SEWER BACK-UPS**



**A guide for preventing sewer back-ups caused by grease build-up in the sewer main.**



Please contact me if you have questions concerning the information that has been prepared and submitted in this report.

Sincerely,

*David M. Botts*

David M. Botts, P.E.  
Utility Director  
City of Janesville  
Water and Wastewater Utilities

cc: Paul Q. Woodard, P.E., Director of Public Works