

VILLAGE OF BLOOMFIELD
Utility Department

PO Box 388 N1100 Town Hall Rd Pell Lake, WI 53157 Phone:(262)279-6039 Ext 2 Fax:(262)279-3545

APPLICATION FOR WATER/SEWER SERVICE
INSTALLATION TO NEW CONSTRUCTION

The undersigned hereby applies for the connection of a water and sanitary sewer service from the mains to: _____, Pell Lake.
(MUST HAVE FIRE NUMBER TO INSTALL)

Lot numbers: _____ Tax Key #: _____
(THIS APPLICATION CANNOT BE PROCESSED WITHOUT A CORRECT TAX KEY # - ESPECIALLY SPLIT PARCELS).

Owner Information:

Name: _____ Daytime Phone: _____

Mailing Address: _____ Evening Phone: _____

Is this a new home? _____

Is this a new business? _____

Is this an additional service to a building? _____

Will this service be seasonal or year-round? Seasonal _____ Year-round _____

The applicant agrees to comply with the ordinances and the conditions of this permit; understands that the issuance of the permit creates no legal liability, express or implied, of the Village of Bloomfield Utility Department; and certifies that all the above information is accurate.

I do hereby certify that the above information is true and, under penalty of law, the undersigned agree NOT to connect to the sanitary sewer or water service until proper paperwork, signatures, connection fees (see Connection Fees) and a \$9,000 deposit for installation of laterals and road restoration. The above information must be filed at the Bloomfield Utility's office.

All fees must be paid in full before water and sewer connection is scheduled.

****However, because road restoration charges are estimated, I agree that I will be responsible for any additional charges that are incurred when the road is restored or that I will be reimbursed for any over payment.**

Signature of Owner

Date of Application

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The undersigned hereby certifies the below information is true and under penalty of law, the undersigned agrees NOT to connect to the sanitary sewer or water service until proper paperwork, signatures, any fees are paid and notification is given to the Bloomfield Utility Department. I also certify that the attached Connection Procedures will be followed properly.

In the performance of this work the undersigned owner (or authorized agent) of said premises and authorized plumber and utility contractor hereby agrees to be bound by and to submit to all statutes, Village Ordinances, and plumbing rules and regulations prescribed by the Bloomfield Utility Department, Walworth County and the State of Wisconsin.

The connection must have shut-off ball valves on both sides of the meter within 2 feet of the meter. If the meter is located more than 3 feet from where the water service first enters the building, a control valve must be located as per Comm 82.40 (4) (b) a. within 3 feet of the point where the line enters the building. No sewer connection can be made until the water meter is installed with consequences of \$250.00 a month fines possibly being imposed.

****Please contact Bloomfield Utility Department (BUD) regarding B-Box and Sanitary "Y" locations.****

Lateral Plumber Information: (Must Have WI Master Plumbers License – Current and available upon request):

Plumbing Company Name: _____

Plumbers Name: _____ WI Master Plumbers License #: _____

Mailing Address: _____

Phone #: _____ Signature of Plumber _____

Estimated Cost of Lateral Installation: \$ _____

Excavators or Utility Contractors Name and Address (if applicable):

Excavators/Utility Contractor Company Name: _____

Contractor Name: _____ WI Utility License #: _____

Mailing Address: _____

Phone #: _____ Signature of Contractor _____

Installation Plumber Information: (Must Have WI Master Plumbers License – Current and available upon request):

Plumbing Company Name: _____

Plumbers Name: _____ WI Master Plumbers License #: _____

Mailing Address: _____

Phone #: _____ Signature of Plumber _____

_____ Meter Horn - \$86.25

_____ \$600.00 Connection Fee

(for properties that currently have a service at the lot line)

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CONNECTION FEES

Fees will be charged as follows:

- ◆ **NEW SUBDIVISIONS** requiring new mains must enter into a **Developer's Agreement**. Each property will pay a connection fee of \$7,000.00.
- ◆ **NEW PARCELS** made from split properties require the installation of new water and sewer laterals to the lot line when building a new structure **and** must pay for time and materials charged by the Bloomfield Utility Department contractor. A \$9,000.00 deposit must be received at the time of application for laterals to the lot line and road restoration. A sewer connection fee in the amount of \$7,000 is also due at the time of application.
- ◆ **EXISTING PARCELS that are new construction** require the installation of new water and sewer laterals to the lot line **and** must pay for time and materials charged by the Bloomfield Utility Department contractor. A \$9,000.00 deposit must be received before construction begins for laterals to the lot line and road restoration. However, if the property already has services to the lot line, a \$600.00 connection fee will be due before any connection to the water and sewer system can begin.
- ◆ **Water and sewer services will not be installed under any of the following circumstances:** During the winter months, (acceptable weather conditions determined by contractor) non-issuance of fire number for the new home being built and/or non-completion of vacant service application on file in our office and/or any applicable fees not paid in full.

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CONNECTION PROCEDURES / METER DISPERSEMENT / INSPECTION REQUIREMENTS

NOTICE TO PLUMBERS AND NEW HOME BUILDERS

1. Bloomfield Utility Department (BUD) must be notified at least (3) months in advance for a requested vacant service to be installed. BUD WILL NOT begin the installation unless the ground is frost-free.

The following applications and fees shall be paid before installation of laterals will be scheduled:

- a. Application for Water/Sewer Service Installation to New Construction: \$9,000 Deposit (Payable to: Bloomfield Utility Department) with **Master Plumber and Utility Contractor signatures**.
 - b. Connection Fees, if applicable: \$7,000 (Payable to: Bloomfield Utility Department).
 - c. Impact Fees (Payable to: Bloomfield Treasurer)
 - d. Driveway Permit (Payable to: Bloomfield Treasurer)
 - e. Fire Address Number Permit (Payable to: Bloomfield Treasurer)
 - f. Stormwater Permit (Payable to: Bloomfield Treasurer)
 - g. Zoning Permit (Payable to: Bloomfield Treasurer)
 - h. Building Permit (Payable to: Bloomfield Treasurer)
- Fire Numbers and Tax Key Numbers (with proof) are **required**. All split parcels must have Walworth County designated tax key numbers noted (with proof of split).
 - BUD staff **MUST** be present when the sewer stub cap at the property line is severed.
 - Bloomfield's Building Inspector will inspect the water and sewer service from the lot line to the house.
2. Consult and contract with a Wisconsin Licensed Master Plumber (license must be current and available when requested). Wisconsin Statutes chapter 145.06 (2) states no person shall install plumbing unless a licensed Master plumber is in charge at all times, who shall be responsible for proper installation. A Wisconsin Licensed Utility Contractor can install outside piping, but he can only go to the immediate inside of the building per WI statute 145.06 (10).
 - If you hire a Utility contractor, you still have to hire a Wisconsin Licensed Master Plumber to install the interior piping and water meter.
 - The connection must have shut-off ball valves on both sides of the meter within 2 feet of the meter. If the meter is located more than 3 feet from where the water service first enters the building, a control valve must be located as per Comm 82.40 (4) (b) a. within 3 feet of the point where the line enters the building. No sewer connection can be made until the water meter is installed with consequences of \$250.00 a month fines possibly being imposed.
 - **Please contact BUD regarding B-Box and Sanitary "Y" locations.***

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3. Plumbers will schedule pick-up of meter horn at the Clerk/Treasurer/Utility Office (24 hour advance request required).
4. The following equipment will be installed by Bloomfield Utility:
 - **OSR and wire connection** – plan ahead for INSTALLATION OF WIRE and exterior OSR prior to the COMPLETION OF BASEMENT**
 - **Water meter** – the water service will be flushed by the plumber before the water meter is installed.

OSR and water meter will be delivered to the contracted plumber on site (24 hour advance request required) after all signatures, fees and paperwork are on file in our office and we are notified that all proper connections are completed up to the placement of the meter.

A service charge of \$25.00 will apply for any additional trips to the site due to non-completion of placement of these items. Bloomfield Utility shall install the meter while the plumber is present, and the water meter will be sealed by BUD after a reading is taken to insure the OSR is operating properly.

It is illegal to discharge any groundwater, runoff from a sump pump, etc... into any sanitary sewer of the District according to Chapter 31 Water & Sewer Utility Ordinance.

If you have further questions regarding these procedures, please call our office at the number provided.

Thank you.

Water Softeners and the Environment

Bureau of Wastewater Management Staff Wisconsin Department of Natural Resources

Do you use a water softener in your business or home? If your answer is "yes," this article contains information for you on how to optimize its usage, resulting in lower salt costs for you and benefits for the environment.

You can easily reduce high concentrations of salt which flow from your business or home to your septic system or your local wastewater treatment plant, and ultimately end up in neighboring lakes, streams, rivers, and groundwater. The cumulative effects of each homeowner's excess use of salt and resulting brine discharge can have toxic effects for aquatic plants and animals.

Why is Water Softener Salt a Problem?

Based on estimates from the Salt Institute of America, in 1994 Americans spent approximately \$240 million to purchase 2.6 million tons of salt for use in water softeners.

The primary salt utilized in home water softeners is sodium chloride (NaCl), a naturally occurring and commonly used substance. NaCl normally breaks down into sodium (Na⁺) and chloride (Cl⁻). These elements are discharged to septic systems or to your local wastewater treatment plant via sanitary sewers. It passes through these systems and is discharged to groundwater or surface water, where the chloride may impact freshwater organisms and plants, from plankton to fish, by altering reproduction rates, increasing species mortality and changing the characteristics of the entire local ecosystem. In addition, as chloride filters down to the water table, it can stress plant respiration and change the desirability of our drinking water.

How Does a Water Softener Work?

In many Wisconsin communities, people use water softeners to remove minerals from their water that cause hardness. An ion exchange process is the traditional method of removing hardness from water for household use. Hard water passes through a column of sodium charged resin, where hard water ions such as calcium and magnesium are removed from the water by exchanging places with the resin bound sodium ions. The water is then said to be "softened."

The resin is "exhausted" when it has given up all or most of its available sodium ions. The resin is then "recharged" with sodium ions during a process known as regeneration. During this process, the resin is washed with a concentrated brine solution (most often NaCl) that reverses the hardness removal process. The total regeneration cycle includes backwash, brine regeneration and final rinse. Of the three steps in the cycle, brine regeneration is the part over which a business or homeowner has the most control.

What Can I Do To Reduce Salt Usage?

Soften only the water that needs to be softened. If you are building a new house, remodeling bathrooms or kitchens, replacing old plumbing or installing a new water softener, consider where your water needs to be softened. Work with your plumber to connect your water softener to only those areas that need softened water.

Places to "feed" softened water are:

- hot water heater
- laundry facilities
- dishwashers
- toilets (consider low flush models)
- showers

Places to bypass using the water softener include:

- outside water spigots for yard use
- cold tap drinking water lines.

By softening more water than what is really needed, you increase the cost of operating your softener (in terms of increased payments for salt and energy), and ultimately, more salt will enter the environment as a result of increased softener regeneration.

Use Minimum Salt Dosages

Water softener regeneration is most efficient at the beginning of the brine cycle. The higher the salt dosage in the cycle, the lower the regeneration efficiency. By setting your water softener to regenerate more frequently and using less salt for each regeneration, you may be able to increase your softener's regeneration efficiency, which could result in significant salt savings for you.

Consult with a qualified water softener representative for details on how to adjust your water softener to minimize salt usage while retaining enough softened water for normal household use.

Switch Control Types

Many water softeners use a timer typically set to regenerate once every 2 or 3 days depending on expected water usage and water hardness. By measuring actual demand on the water softener, "demand initiated regeneration," or DIR controls are much more efficient. These controls use either a flow meter or a hardness sensor to determine when to begin the cycle. The "payback" period from reduced salt usage can be as little as three years.

Check with your local qualified water softening representative to see what works for you. Even if a newer, more efficient water softener is not in your immediate future, you can still optimize the efficiency of your unit, saving money and the environment.

Reducing or eliminating NaCl pollution, at its source of generation avoids creating a more serious environmental problem. Please do your part if you can.