





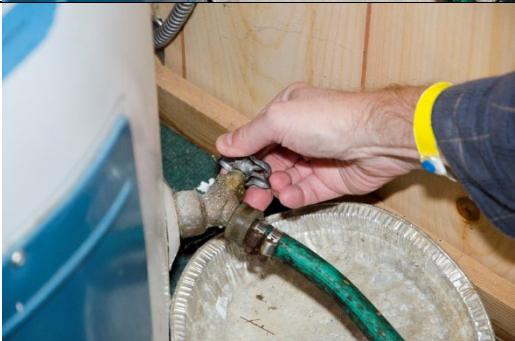















How to Turn OFF Water in the Fall (before the temperature drops below zero at night!)






TOOLS	 A collection of tools including a pair of vice grips, an adjustable wrench, and a flathead screwdriver, alongside six blue and red jugs of plumbing antifreeze.	<p>Here are the tools you will need:</p> <ul style="list-style-type: none">• Vice grips• Adjustable wrench• Flathead screwdriver• 6 x 3.78L jugs of plumbing antifreeze
Under the cottage:	 A person's hand is shown unplugging a power cord from a wall outlet above a white refrigerator. The refrigerator door is open, and the interior is illuminated.	<p>Unplug the fridge, to let it defrost (overnight if possible).</p> <p>If there is any stuff remaining in it, remove it.</p>
Under the cottage:	 A person's hand is shown turning a metal valve on a pipe. The pipe is part of a complex network of pipes and hoses in a dark, confined space.	<p>In the back left corner under the cottage, close the valve to the hose that goes to the sauna.</p> <p>This prevents cold water from going to the sauna and sauna hot water heater, so that we can empty the sauna hot water tank.</p>
Beside the sauna:	 A person's hand is shown turning a blue tap handle on a wall. A blue garden hose is connected to the tap.	<p>Open the top (blue) tap for the garden hose.</p> <p>This will prevent the tap from freezing over the winter.</p>
In the sauna:	 A person's hand is shown flipping a switch on a grey electrical control panel mounted on a wooden wall. The panel has a black switch and some text.	<p>Flip sauna hot water tank switch to "OFF".</p>






<p>In the sauna:</p>		<p>Attach a hose to the tap at the bottom of the sauna hot water tank.</p>
<p>In the sauna:</p>		<p>Open the tap to let the water drain from the sauna hot water tank.</p>
<p>Inside the sauna:</p>		<p>In the shower, open both taps all the way, to let air enter the sauna hot water tank. You should hear gurgling sounds.</p> <p>Leave both taps open over the winter.</p>
<p>Inside the sauna:</p>		<p>Beside the shower, open both taps all the way.</p>
<p>Outside the sauna:</p>		<p>You should see water running out of the other end of the hose.</p> <p>It could take up to 1 hour for the tank to drain.</p>



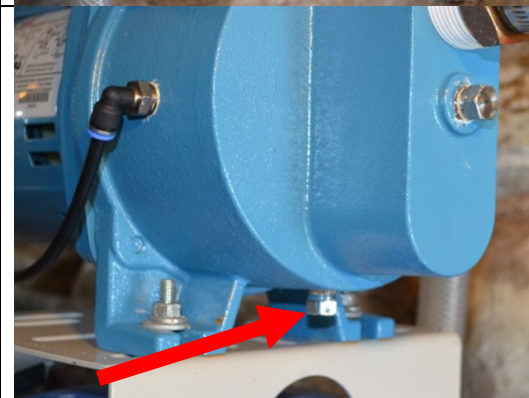
<p>In the sauna:</p>		<p>After the tank has drained, disconnect the hose from the bottom of the sauna hot water tank.</p> <p>Leave the tap open over the winter.</p>
<p>In the sauna:</p>		<p>Clean up any excess water that drips out of the bottom of the tank.</p>
<p>Outside the sauna:</p>		<p>Beside the stairs heading to the lake from the sauna, disconnect the two black hoses.</p> <p>Let any remaining water drain out of both hoses.</p>




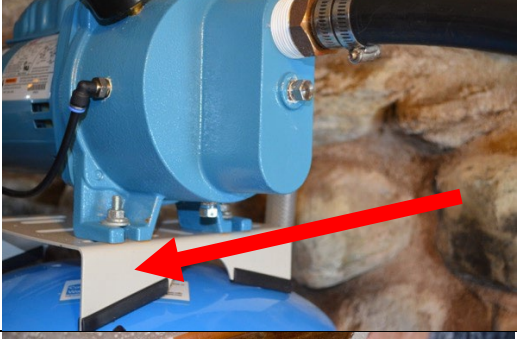

<p>In the cottage:</p>		<p>Before the main water pump is turned off, now is the time fill up some buckets with water, so you can do things like use the toilet and wash any remaining dishes.</p> <p>After this, the only “running” water will be you and a pail from the lake.</p>
<p>In the cottage:</p>	<p>PEE!</p>	<p>Get everyone to take their last pee, before the toilet is shut down.</p> <p>After this, the outhouse will be your only friend.</p>
<p>Under the cottage:</p> <p>HOT WATER</p>		<p>Flip the hot water tank switch to “OFF”.</p>
<p>In the cottage:</p>		<p>Open the hot water taps in the kitchen and bathroom.</p> <p>We need to empty the hot water tank so that we aren't dealing with scalding hot water in the hoses under the cottage.</p> <p>When there is only cold water coming out of the hot water taps, then close the taps.</p>
<p>Under the cottage:</p> <p>WATER PUMP</p>		<p>Flip the water pump switch to “OFF”.</p>





<p>In the cottage:</p>		<p>Open both the hot and cold water taps, in both the kitchen and the bathroom.</p> <p>This will make it easier for the water to drain when we disconnect the hoses under the cottage.</p>
<p>Under the cottage:</p> <p>COLD WATER</p>		<p>Open the valve to the garden hose, to let any remaining pressure from the water pump to drain.</p> <p>Wait for the water to finish draining from the garden hose.</p>
<p>Under the cottage:</p> <p>COLD WATER</p>		<p>Disconnect the hot water tank's cold water intake hose (silver hose with blue stripes) from the upper junction.</p> <p>Let any remaining water drain out of it, so that it does not freeze over winter.</p>
<p>Under the cottage:</p> <p>COLD WATER</p>		<p>Disconnect the long cold water hose from the lower junction.</p>






<p>Under the cottage: COLD WATER</p>		<p>Manipulate the disconnected hoses to allow any remaining cold water to drain out of them.</p>
<p>Under the cottage: COLD WATER</p>		<p>In the back left corner under the cottage, locate the hose that goes to the sauna and disconnect it from the junction.</p>
<p>Under the cottage: COLD WATER</p>		<p>From the same junction, disconnect the cold water hose that goes to the bathroom.</p>
<p>Under the cottage: HOT WATER</p>		<p>In the back left corner under the cottage, disconnect the quick-connect hot water hose from the copper pipe that goes to the bathroom.</p>
<p>Under the cottage: HOT WATER</p>		<p>Bend the copper pipe downwards a bit, so that any remaining hot water drains out of it.</p>





<p>Under the cottage: HOT WATER</p>		<p>Disconnect the hot water tank's hot water hose (silver hose with red stripes) from the junction.</p> <p>Let any remaining water drain out of it.</p>
<p>Under the cottage: HOT WATER</p>		<p>Disconnect the kitchen hot water hose from the same junction.</p> <p>Let any remaining water drain out of it.</p>
<p>Under the cottage: HOT WATER</p>		<p>Open the hot water tank drain valve, by using a ¼" flathead screwdriver and turning counter-clockwise.</p> <p>"Hot" water (which should actually be cold water if you did the above steps properly) will drain out of the hot water tank.</p> <p>Leave the valve open over the winter.</p>
<p>Under the cottage: WATER PUMP</p>		<p>The new pump does not require antifreeze or disassembly.</p> <p>Ensure that all hose connection points elsewhere in the cottage (beyond the pump) are disconnected according to the existing procedures before executing the pump ones. This is to allow air to enter the system and enable the pump to drain.</p>
<p>Under the cottage: WATER PUMP</p>		<p>Make sure the pump is off.</p>





<p>Under the cottage:</p> <p>WATER PUMP</p>		<p>Turn the red lever to the right so that it is parallel to the hose.</p> <p>The system will depressurize, and water will start to drain.</p>
<p>Under the cottage:</p> <p>WATER PUMP</p>		<p>Turn the yellow lever to the right so that it is parallel to the hose.</p> <p>This will allow air into the system.</p>
<p>Under the cottage:</p> <p>WATER PUMP</p>		<p>Unscrew the tap at the bottom of the pump.</p> <p>This will drain the pump housing.</p>

<p>Under the cottage: WATER PUMP</p>		<p>Lift the black hose from the distribution wye to the pump to ensure its properly drained through the red valve.</p>
<p>Under the cottage: WATER PUMP</p>		<p>Once all the water has drained out the bottom hose, close the red valve at right angle to the hose.</p>
<p>Under the cottage: WATER PUMP</p>		<p>Close the yellow valve to right angle to the hose. This is to keep critters out of the hose.</p>
<p>Under the cottage: WATER PUMP</p>		<p>Put the tap screw into a plastic bag and tape it to the pump platform for next year. Note: There is NO need to disconnect any hoses in the pump assembly itself. Those valves are in place to allow the system to be emptied and refilled without needing to remove/attach hose clamps.</p>
<p>In the bathroom: TOILET</p>		<p>Behind the toilet, use an adjustable wrench to disconnect the tube from the cold water source.</p>

<p>In the bathroom:</p> <p>TOILET</p>		<p>Let any remaining water drain out of the tube.</p>
<p>In the bathroom:</p> <p>TOILET</p>		<p>Flush the toilet a couple of times to get rid of excess water.</p> <p>There will still be water in the bowl, which is okay.</p>
<p>In the bathroom:</p> <p>TOILET</p>		<p>Remove the lid from the back of the toilet.</p> <p>There will still be some water in the bottom of the tank, which is okay.</p>
<p>Beside the cottage:</p>		<p>Pump the excess sewage from the sewage tank.</p> <p>Do this by bypassing the sewage pump float trigger and plugging in the sewage pump directly, as shown in the photos.</p> <p>Will hear a low hum as the pump is pumping sewage to the holding tank.</p> <p>Unplug it when you hear a louder rumbling sound, indicating that the pump has run out of liquid to pump.</p> <p>Leave it unplugged for now. We'll plug it back in again later.</p>

		
<p>In the bathroom:</p> <p>TOILET</p>	 	<p>Fill the toilet tank with plumbing antifreeze, until the overflow valve starts to drain the antifreeze into the toilet bowl. The tank will be almost full of antifreeze.</p> <p>This will require about 2 jugs of antifreeze.</p>
<p>In the bathroom:</p> <p>TOILET</p>		<p>Put the lid back onto the back of the toilet.</p> <p>Flush the toilet a couple of times to circulate the plumbing antifreeze and to drain most of it into the sewage tank outside.</p> <p>Pink antifreeze will remain in the toilet bowl, which is okay.</p>
<p>In the bathroom:</p> <p>SINK</p>		<p>You should have about 3 ½ out of the 6 jugs of plumbing antifreeze remaining. Pour 1 ½ jugs of plumbing antifreeze down the bathroom sink.</p> <p>After doing this, you will have 2 out of the 6 jugs of plumbing antifreeze remaining.</p>

<p>Beside the cottage:</p>		<p>As before, pump the sewage & antifreeze mixture from the sewage tank by bypassing the sewage pump float trigger and plugging in the sewage pump directly.</p> <p>Will hear a low hum as the pump is pumping the sewage & antifreeze mixture to the holding tank. Unplug it when you hear a louder rumbling sound, indicating that the pump has run out of liquid to pump.</p> <p>Leave it unplugged for now. We'll plug it back in again later.</p>
<p>In the bathroom:</p> <p>SINK</p>		<p>Pour your 2 remaining jugs of plumbing antifreeze down the bathroom sink.</p> <p>This is the easiest way to get a good amount of plumbing antifreeze into the sewage tank outside.</p>
<p>In the cottage:</p>	<p>TOILET AREA IS NOW OFF LIMITS!</p>	<p>No more using the toilet, and no more using the bathroom sink. Recommended: Put a sign in the bathroom sink to remind everyone not to use the drain.</p> <p>If you need to brush your teeth, use the kitchen sink. The kitchen sink does not need to be winterized, since it does not have a plumbing trap, so you can continue to use it to your heart's content until you leave the cottage.</p>
<p>Beside the cottage:</p>		<p>As before, pump the sewage & antifreeze mixture from the sewage tank by bypassing the sewage pump float trigger and plugging in the sewage pump directly.</p> <p>Only leave it plugged in for about 3 seconds, to circulate the mostly antifreeze solution through the pump, and to leave mostly antifreeze solution in the sewage tank.</p>
<p>Beside the cottage:</p>		<p>Plug the sewage pump plug back into the back of the sewage float trigger plug.</p>

		
<p>Under the cottage:</p>		<p>One of the first steps in closing the cottage was to unplug the fridge and empty it.</p> <p>Hopefully, it's defrosted by now.</p> <p>So find someone to clean up any excess water from the bottom of the fridge.</p>
<p>Under the cottage:</p>		<p>Prop open the door with a piece of wood.</p>
<p>Beside the cottage:</p>		<p>Cover the BBQ with the BBQ cover.</p> <p>It's a bit too small, so cover it as best you can.</p>
<p>In the cottage:</p>		<p>Empty the refrigerator and freezer.</p> <p>Prop open the freezer door with an ice cube tray.</p> <p>Prop open the fridge door with a piece of wood.</p>

In the cottage:



Empty any remaining water out of the Keurig coffee maker.

In the cottage:



Flip the main electrical power switch to "OFF".

DONE!