

Town of **Winchester** New Hampshire



Water & Wastewater Treatment

Facility Operators

Rick M. Meleski
 NH#2764 NH#1337
 Superintendent & Primary Operator
 Grade II Wastewater Operator
 Grade II Water Distribution
 Grade III Water Treatment

Fran Dominick NH#1001
 Wastewater Operator Grade I

Ricky K. Meleski
 Water Operator's Assistant

Winchester's Clean Water Project 2012

Well rehabilitation is periodically required during the life of a well, as groundwater may contain bacteria, iron, high mineral content, or other contaminants and screen openings may become blocked, reducing the capacity and productivity.

The one certainty for water wells is that at some time within their useful lifetimes most of them will need some type of rehabilitation to improve their performance. The frequency of rehabilitation is something that is unique to each facility. Some wells have been known to operate well beyond 10 years before needing attention, while others require rehabilitation at intervals as short as 2 to 3 years. Many variables are known to contribute to reduced performance including well screen and casing corrosion, incrustation, wear due to sanding, and, in some cases, structural failure.

In April 2012 the Town of Winchester contracted the **Layne Christensen Company** to rehabilitate both Well #1 and #2. With a submersible video camera each well had a thorough inspection performed. Once assured of the structural integrity the crew removed, disassembled, inspected and cleaned the pumping equipment. To clean the encrusted encasing of the wells Muriatic Acid was added, then surged and backwashed for at least 24 hours. Before the wells were put back into service they were disinfected and tested for bacteria. **Layne Christensen** reports that Winchester's wells are structurally sound, provided

each well with minor replacement parts as a preventative measure and Well #2 was outfitted with a new 5 stage bowl assembly.

In September 2012, the Town of Winchester contracted **Underwater Solutions** to thoroughly inspect and clean the municipal water storage tank. Originally constructed of concrete in 1947 it has the capacity of reserving 550,000 gallons of potable water. Periodically the tank requires inspection. Trained underwater divers provide a means of observing the tanks structure without taking the tank out of service. The diver is outfitted with real time communication equipment that allows both visual and audible contact between the diver and the inspector. The diver reports no obvious signs of concrete fatigue and cracking that may expose our potable water to bacteria and other harmful contaminants. After a thorough inspection and photo diary of Winchester's tank the diver vacuumed and pumped out trace amounts of sediment (natural deposits found in Winchester's drinking water) from the tank floor.

Seasonal Reminder...

It is the responsibility of Winchester's Water Department to keep every fire hydrant free and clear of snow and other obstructions. Fire hydrants are an integral part of Winchester's emergency fire system and must be made available and completely accessible at all times. Thank you for your cooperation.

stay. leave. connect.

Go to <http://www.nh.gov/readynh> for resources on keeping children, families, our elderly and our businesses safe during winter weather emergencies.

How to cure your bathtub, sinks and toilets of the blue- green stains

You may think that the grayish-green stain on copper is a form of rust; however, since there is no iron in this metal, it does not rust. Copper is in a family of metals known to produce its own protective coating when exposed to corrosive elements such as oxygen and moisture. If you have brass or copper fittings, you may end up with blue or green stains on fixtures.

If copper is rust-proof, then what's that green stuff? The ancient Latin's called this coating "patina;" it is also referred to as verdigris. While the greenish coating on copper is not harmful to the metal, it can be easily removed if you don't like it and want to keep the metal shiny and bright.

To remove any of these metallic stains, use an acidic cleaner or an all-purpose cleaner.

Acid Cleaners

Acids help remove hard water deposits. Some acid cleaners help remove discoloration from aluminum, brass, bronze, and copper. Other acids remove iron rust stains. Acids are typically found in toilet bowl cleaners, rust removers, metal cleaners, and kitchen and bath cleaners that remove mineral products. For fixtures that are not acid resistant, clean with trisodium phosphate to remove the rust. Cream of tartar, a mild acid, may be mixed with water to form a paste rust remover.

White vinegar may remove hard water deposits from glass, rust stains from sinks, and tarnish from brass and copper. Another mild acid is **lemon juice**. White vinegar as a cleaning solution usually is a milder acid than commercial cleaning products that are labeled as acids. To solve this problem of finding an acid cleaner that contains a milder acid than most commercial acid cleaners, make your own milder acid by using white vinegar. It's about 5 percent acetic acid. Or use lemon juice and salt to clean stains from fixtures that are acid-resistant.

Use caution with Abrasive Cleaners

Abrasive cleaners like scouring powder may remove or lighten stains. Regular use of harsh abrasives scratches the finish of sinks, bathtubs, or other fixtures. Once the surface is dull and rough, it will get dirty faster and stain more deeply. Even mild or fine abrasive cleaners may eventually scratch or dull surfaces. Do not use abrasive cleaners on fiberglass, ceramic tile or glass.

Department

Hours and Contact Information

Rick Meleski, Superintendent

M-F, 7a-3:30p

Operations Office, located at 64 Duso Rd.

phone #239.4132

sewerdept@winchester.nh.gov

Danielle Borges, W&WWT Administrative

Assistant

M-Th., 7a-3:30 pm

1 Richmond Rd.

phone # 239.4951 x105

dborges@winchester.nh.gov

Karey Miner, Tax Collector

M-Th., 7a-5:30p

1 Richmond Rd.

Please send your water and sewer payment to the Tax Collector at PO Box 512. Checks payable to the Town of Winchester.

phone #239.4951 x104

kminer@winchester.nh.gov

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WINCHESTER WASTEWATER TREATMENT FACILITY IS NOW RECEIVING SEPTAGE

Located at 64 Duso Rd., the Winchester Wastewater Treatment, is now accepting domestic septage Monday through Friday, 7 am to 3 pm. Holding tanks dumps are charged at \$25.00 per thousand gallon and loads pumped from septic tanks are charged at \$75.00 per thousand gallon.

To view Winchester's septage hauling policy please visit the sewer department web page at WWW.WINCHESTER-NH.GOV