



Summer Village of Norris Beach

Grinder Pump Operation and Maintenance

Grinder Pump Operation

In order to provide you with suitable wastewater disposal, your property is serviced by a low-pressure sewer system. The key element in this system is a Liberty Omnivore Grinder Pump. This grinder pump is located in the first (or only) chamber of your holding tank. This compartment collects all effluent from the house. The solid materials are then ground to a small size suitable for pumping as liquid slurry with the effluent water. When the wastewater in the tank reaches a preset level, the grinder pump automatically turns on, grinds the waste and pumps it out of the tank via a pressure discharge line into the public sewer system. The grinder pump generates sufficient pressure to pump the slurry from your tank to the wastewater treatment municipal line and on to the Regional System pump station. The pump is powered through your electrical panel.

Grinder Pump Maintenance and Care

If you follow a few simple rules your pump will continue to work well for many years to come. The only materials permitted to be discharged into the wastewater system are: human waste and toilet paper; greywater from showers, sinks, tubs and dishwashers; conventional food wastes as processed through an in-sink garbage disposal unit and laundry machine washing discharge.

Many items are **not** allowed to enter toilets or drains. Prohibited items include:

| | | | |
|------------------------|-----------------------|--------|------------------------|
| “flushable” baby wipes | dental floss | gravel | socks, rags or cloth |
| feminine products | pantyhose | bones | paint or paint thinner |
| diapers | plastics / latex | glass | metal |
| condoms | grease or cooking oil | sand | cat litter |
| egg shells | seafood shells | grout | cleaning wipes |

Sump pump discharge, rainwater and other surface water are not permitted to enter the wastewater system. In addition, Schedule D and D-1 in the Wastewater Utility Bylaw #146 set out chemical, oil, flammable materials and other restrictions.

Please note the following:

- 1. The cost of repair to the grinder pump caused by prohibited materials in the tank will be the responsibility of the property owner.***
- 2. The cost of repair to the grinder pump caused by freezing in the tank where the property owner has not insulated the tank and riser to installation specifications, will be the responsibility of the property owner.***
- 3. The cost of a service call related to problems that are the property owners responsibility will be charged to the property owner.***

Power Outages

Please remember that when the power is off, the pump cannot run. You may want to restrict water usage during power outages.

Extended Absence

If your home or building is to be left unoccupied for longer than two weeks, run clean water into the unit until the pump activates. Immediately turn off the water and allow the grinder pump to run until it shuts off automatically. Do not disconnect the electrical supply to the grinder pump.

On-going In-tank Maintenance

The Summer Village will provide on-going in-tank maintenance activities including:
Inspection of the tank sludge and scum accumulation in the holding tank.
Inspection of the floats, pump and high level alarm.

High Level Alarms / System Issues

In case of a Grinder pump system failure, please contact the System Operator to attend the property and resolve the issue. In Norris Beach, the only indicator you will have about a system failure is the activation of the high level alarm. During an alarm condition, please limit your water usage until repairs are completed. Schedule the repair immediately by contacting the System Operator to avoid a sewer spill.

Your System Operator is:

THS Septic and Civil Solutions
PO Box 850
Rocky Mountain House, AB T4T 1A6

403-844-2559 Office
403-844-9233 After Hours
thsseptic@gmail.com