

## ATTACHMENT A

# POLICY

### LOW PRESSURE SEWERAGE DISPOSAL SYSTEMS


1. **This policy pertains to low pressure sewerage disposal systems ( a/k/a grinder pump systems) constructed by the Town of Hinsdale which serve areas containing existing structures, as well as to pumped connections installed by individual property owners to facilitate new construction on a parcel of land.**
2. **In the case of new construction, the responsibility for the purchase and installation of the low pressure sewerage system will accrue to the property owner. Should the property owner purchase equipment identical to that used by the Town and install said equipment in accordance with Town specifications, the property owner may elect to petition the Town to accept the new installation as part of the Town's overall sewer system. When accepted, the Town will be responsible for the maintenance of the system from the date of acceptance.**
3. **Whenever the Town of Hinsdale elects to construct a low pressure sewerage system to serve structures in the Phase III service area, which were in existence prior to construction of the Phase III Sewer System, in locations where gravity sewer service is not feasible, the Town will install the system and maintain the system . The installation will include the pump, discharge piping from the pump station to the main, wiring internal to the pump, controls and miscellaneous items to make available a complete low pressure system to the property owner at time of initial construction. Property owners who do not allow installation of the system at the time offered to them by the Town during the construction project, will be responsible for purchase and all installation costs of the grinder pump system should they choose or are required by the Board of Health to connect to the sewerage system at a later date.**

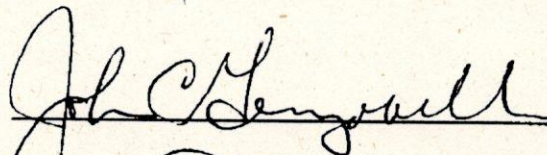
4. **The Town of Hinsdale will own and maintain all low pressure sewerage systems and grinder pumps either installed by the Town or subsequently accepted by the Town. Each property owner served by the low pressure system will be responsible to insure that there is adequate electric service to the property to operate the grinder pump. The property owner will be responsible to consult with a licensed electrical contractor to determine if the electric service to the property has sufficient capacity to operate the grinder pump system. If the service is inadequate, the property owner will be responsible to upgrade the electrical system in accordance with current Electrical Code. All costs associated with the electrical upgrade, electrical connection and energy related costs associated with the operation of the pump serving that property will accrue to the property owner.**
  
5. **The Town will provide routine maintenance to the pump system at no cost to the property owner, except in cases where there is negligence on the part of the property owner. In the case of negligence ( e.g., improper connection of the waste disposal system to the pump facility, improper connection of electric power to the controls, inappropriate objects and debris being discharged to the system through the sanitary waste disposal system of the property, inadequate preparation for long periods of nonuse, physical damage to the pump facility or controls, unauthorized tampering or repairs to the installation etc.), the entire cost of the service provided by the Town shall be charged to the property owner.**
  
6. **The replacement of any Town owned pump facility will be the responsibility of the Town, except if the replacement is due to negligence or improper use on the part of the property owner.**
  
7. **All existing private pump stations currently owned and maintained by individual property owners will remain the property and responsibility of the property owner unless accepted by the Town as part of the overall sewer system.**
  
8. **All materials and equipment used to connect to a low pressure sewer system shall meet the Town's specifications and requirements. All work shall be performed in accordance with Town codes by licensed installers.**


9. **Property owners will be responsible for the following:**
- a) **Provide a 220V/20A dedicated circuit and insure that the electrical service has sufficient capacity to operate the grinder pump in addition to the normal load.**
  - b) **Connect the electrical service from the building to the pump.**
  - c) **Connect the building sewerage pipe from the building to the pump housing.**
  - d) **Pay for the energy costs associated with the operation of the pump.**
  - e) **Execute a written agreement with the Town regarding the acceptance of this policy and the providing of an easement to the Town to install and maintain the low pressure system and the grinder pump on the owner's property.**
10. **Property owners with grinder pumps installed by the Town on their property will be required to connect to the system within six (6) months of the sewer system becoming fully operational.**
11. **Once connected, all property owners will be responsible for applicable sewer user charges.**

**This policy becomes effective June 3, 1998.**

**TOWN OF HINSDALE SEWER COMMISSIONERS:**

  
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## **Grinder Pump Units**

The grinder pump unit will be installed at a location outside of your home. The location will most likely be adjacent to your existing septic tank, unless features of your property will not allow it. The grinder pump unit will be installed such that the existing septic system will remain operational until the change over to the pump system can be made. Attached are figures indicating what the grinder pump unit will look like and how it will be installed on your property.

### **Grinder Pump Operation**

Once installed and connected to your plumbing the grinder pump unit will operate as follows. The house plumbing discharge flows by gravity to the grinder pump unit, where it is ground into a fine slurry and pumped through small diameter piping to the pipe in the street, which may be either a pressurized pipe or a gravity sewer. In a completely pressurized system, all piping downstream of the grinder pump will normally be under low pressure. Pipe sizes will range from 1-1/2 to 3 inches in diameter as compared to 4 to 8 inch sizes required with gravity sewers.

The grinder pump is activated when the depth of sewage in the tank reaches a pre-determined "turn on" level, and pumping continues until the pre-determined "turn off" level is reached. The pump run time is short and power consumption is low. The unit is protected with double check valves from backflow from the discharge lines.

### **Power Requirements**

The grinder pump is powered by a 1 HP motor available for either 230 or 115 volt, single phase, 60 Hz service. The pump can be considered as a residential appliance, with power consumption substantially less than that of other major household appliances, such as a refrigerator.

### **Town/Homeowner responsibility**

The Town of Hinsdale will install the grinder pump unit with an alarm/disconnect panel, suitable for wall or pole mounting and all discharge piping to the street. You, the homeowner, will be responsible for connecting existing plumbing exiting the building to the grinder pump, connecting power from the supply panel in your home to the alarm/disconnect panel, and properly abandoning your existing septic system. A 4-inch diameter PVC pipe, three (3) feet long with a cap will be provided on the inlet to the grinder pump unit for making this connection.

### **Septic Tank Abandonment**

Properly abandoning your existing system will require that you have your septic tank pumped out, the top section removed, a hole punched in the bottom so that it will not hold water, and then filled with a suitable backfill material.