

DELAWARE WATER GAP MUNICIPAL AUTHORITY

Information on Grinder Pumps
For Single Family Residential Installation

For commercial or multi-family uses contact the Municipal Authority for requirements.

The following is required:

Each home must have its own pump, tank and controls.

Pump must be located outside the building in the yard to avoid odors and gases in the buildings.
Minimum net storage capacity of the grinder pump unit shall be 50(fifty) gallons.

Wetwell must be precast concrete, fiberglass or metal but a metal wetwell needs to be cathodically protected and should be in conformance with PADEP standards for metal sewage tanks.

Pump must be submersible type with rail supports for easy removal during maintenance. The pump must be capable of being removed without dewatering the collection tank.

The system supplied by the pump manufacturer must include the pump, rail supports, lifting chains, valves, pump controls, electric control panel, mount for control, discharge pipe, automatic level controls and other necessary appurtenances and shall be a pre-packaged, vended installation. Anti-Flotation collars shall be provided.

The pump must be capable of handling and grinding solids. Garbage disposals are NOT permitted on a grinder installation.

The grinder pump shall have characteristics which will continue to produce flows of at least eight gpm under all conditions.

The discharge piping must include a ball check valve and full-port shutoff valve as well as a concentric coupling.

The pump must operate on a completely automatic control system using preset levels. The controls must include a high and low level alarm. Grinder pump panel shall contain separate control circuit and breaker for alarms.

The control panel must be placed outside using a maximum NEMA rated weatherproof enclosure.

The Authority must review and approve use of all grinder pumps prior to installation.

A sketch of the discharge line plan and profile must be provided to the Authority for review and approval by the Engineer before installation. Lateral must be minimum 1 1/4" diameter SDR26 PUC. Fittings shall be brass ford or muller.

We recommend that the grinder pumps used be Meyers WGL 20 or Environment One of Schenectady, NY or an equal pump.

REVISED: 4/24/06

ADOPTED: 5/22/06