Wingecarribee
SHIRE COUNCIL

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The following information is provided to assist designers of pressure sewer systems for residential use. This standard should be read in conjunction with Council's Pressure Sewer System Policy.

Designs must be submitted and approved by Council. Systems for commercial or industrial developments will be reviewed on a case-by-case basis.

The minimum required specifications for Residential PSS are outlined below. Please note this may not be an exhaustive list, and Council reserves the right to approve or disapprove applications based on their merit.

- Minimum 1 L/s discharge flow.

- Rated for operation for the required application (sufficient head and pressure).

- All pumps fitted with inbuilt non-return valve and anti-syphon valve.

- Fitted with cutters and shredders – hardened to give durable asset life.

- Motors rated for application (air cooled not recommended) - pumps to be IP68 fully submersible.

- Pipework and fittings rated for corrosive environment (example 316 stainless steel).

- Pipework and fittings rated PN16 (16 bar operating pressure).

- Tanks need to be sealed against infiltration from groundwater.

- Minimum 1,100 litres storage capacity and sized appropriate for property.

- No air-based level sensors with equalizer bladders (creates blockages).

- Fully programmable to pump out at a set time, with a storage mode for flushing daily. Must be based on a real time clock to allow council to program multiple systems to synchronize without physical interlock (reducing septicity in the network).

- Audible alarm 90 dB with manual mute button for high level and faults.

- Low voltage visual alarm light for high level alarm and/or faults.

- Automatic mute for audible alarms for high level alarm and/or faults.

- Indications for breakdown errors so owner can diagnose issue (examples include run hours, voltage & amp display, pump starts, level indication, pump running indication, fault indication, pump stop indication, high level indication etc.)

- Controller panels to be key lockable with a generic key made available to Council (for programming). Control panels shall be accessible at all times.

- Selector switch with Auto/Off/Manual positions.

- Over pressure protection.

- Meet Australian Standards for plumbing and electrical installations.

- Appropriate markings shall be applied to the control box for Privately managed assets.