

## APPLICATION FOR PERMISSION TO INSTALL / ALTER A SEPTIC TANK SYSTEM

Septic system is defined under Section 53, Environment Protection Act 1970.

(please use BLOCK LETTERS).

I,  (the owner) hereby apply for a permit to  install /  alter

a septic tank system in accordance with Section 53M of the Environmental Protection Act 1970 and supply the following information:

### ADDRESS OF PROPOSED INSTALLATION / ALTERATION

  

### PARTICULARS OF PERSONS TO BE CONTACTED REGARDING SYSTEM INSTALLATION:

Name of Applicant (Plumber / Drainer / Installer):  Phone No. (Mobile preferred)

Postal address:

  

PIC Licence Number

Name of Building Surveyor (if applicable)

Phone No. / Fax No.

Postal Address

Has Yarra Valley Water informed you that there is no sewer available for this property? Yes  No

### PARTICULARS OF PREMISES AND PROPOSED WORK REGARDING THE SYSTEM

No. of persons expected to use system daily: Maximum  Average

Type of premises? (house, factory, office, shop etc.):

Description of Septic Tank System to be installed including type, capacity, size and method of disposal / Description of proposed alterations

  
  

### PLANS AND SPECIFICATIONS

I submit a copy of the proposed installation to a scale of 1:500 or 1:200, indicating:

- (i) The location of the premises including the street number.
- (ii) The dimensions of all boundaries and the location of all other streets and laneways which abut the property.
- (iii) The locations and dimensions of all buildings or proposed buildings, water tanks, tennis courts, swimming pools, driveways, excavations, streams, stormwater drains and existing septic tank systems (where applicable).
- (iv) The location of the proposed septic tank system including dispersal area, sewer drains, house connection drain and all plumbing fixtures labelled.
- (v) Specifications and plan of all parts including grades and dimensions.

**FEES:** New Installation: \$430.00 Sand Analysis: \$145.00  
(19/20) Minor Alteration: \$240.00

### DECLARATION

I  (the owner), understand that if Council grants a permit that the installation is at my risk and responsibility. I will maintain the system in accordance with the all the Permit conditions and the requirements of section 53 of the Environment Protection Act 1970. I understand that no work will commence until a *Permit to Install* has been granted. The septic system has been pegged out as indicated in the plan on the proposed site. All work must be carried out by licensed plumber. (PIC)

SIGNATURE OF OWNER

DATE



## DESIGN OPTIONS FOR THE INSTALLATION OF SEPTIC TANK SYSTEMS\*

\*To be read in conjunction with the current version of the Septic Tank Code of Practice

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### PRIMARY TREATMENT

#### SEPTIC TANKS

All Septic Tanks for all waste installations shall be a minimum of 3000 litres, with a full size baffle and shall conform to Australian standards.

### SECONDARY TREATMENT (minimum treatment requirement for all new installations)

#### TREATMENT PLANTS

Approved all waste sewerage treatment plants may be installed in accordance with the Environment Protection Authority (EPA) Certificate of approval.

#### SAND FILTERS

All waste sand filters may be installed in accordance with the current edition of the Septic Tank Code of Practice. For most dwellings, they shall have a surface area of 24 metres squared (8m X 3m). The sand medium in the filter shall comprise of clean *silica* or a *granatic sand*. Council is required to analyse the sand to ensure the sand has an effective size of between 0.25cm – 0.60cm, with a uniformity coefficient of less than 4. A sample of the sand will be taken from the installation site. The sand must not be placed into the excavation until approval for use is granted by Council's authorised officer.

### TERTIARY TREATMENT (EFFLUENT DISPOSAL AREA)

#### SUB SOIL ABSORPTION OR EVAPOTRANSPIRATION TRENCHES

The total average length of the trenches required is required to be 240 metres. The total average length of the trenches may be *halved*, if the effluent is treated via a sand filter or approved sewage treatment plant. Each trench is to be a maximum of 30 metres long, 450mm wide and 380mm deep.

#### SUB SURFACE IRRIGATION

The total area of sub surface irrigation must be a minimum of 600 metres squared. All irrigation pipe work and fittings must comply with AS2698, and AS1477, AS4130 and AS4129 *Plastics Pipes and Fittings for Irrigation and Rural Applications*. The irrigation system must be permanently fixed with distribution pipes buried below the natural ground surface or a 150mm cover of mulch.

#### SURFACE IRRIGATION (DRIP FEED IRRIGATION)

The total area for surface irrigation must be a minimum of 600 metres squared. All irrigation pipe work and fittings must comply with Australian Standards 2698, and AS1477 *Plastics Pipes and Fittings for Irrigation and Rural Applications*. The irrigation system must be permanently fixed with pipe laid in trenches below the ground surface. 150mm of mulch must be laid over the irrigation area with the drip feed pipes protruding above mulch level. No spray irrigation is permitted.

**All irrigation systems installed must fitted with a minimum 50mm screen filter or equivalent, flush valves, and vacuum breakers, and all components must be marked or coloured purple/lilac to indicate the use of wastewater.**

**An Overflow Relief Gully (ORG) is required to be fitted on all septic systems installed.**

### MINIMUM SET BACK DISTANCES

The effluent disposal area must be at least:

- (i) 2 metres on the low side of any building or the high side of any boundary allotment.
- (ii) 2 metres from any water supply pipe, gas pipe, stormwater drain or other similar service line which is not part of the system or from tree canopies.
- (iii) 4 metres on the high side of any building or the low side of the boundary of any allotment.
- (iv) 6 metres from the high side of a swimming pool.
- (v) 15 metres from any cutting or escarpment at which the effluent is likely to emerge.
- (vi) 15 metres from any underground water tank, bore or well which is less than 20 metres deep and used for domestic supply.
- (vii) 60 metres to any surface waters
- (viii) 100m to any surface waters within special water supply catchment areas declared under the Catchment and Land Protection Act 1994.
- (ix) 200 metres upslope from a domestic water supply channel
- (x) 300 metres down slope from a domestic water supply reservoir.

Surface and ground water shall be prevented from effluent absorption areas by use of cut off drains where required.

*Manningham City Council is committed to ensuring that our customers - you - receive quality services in a timely way. The performance standard we undertake to deliver this service is within 15 working days upon receiving all required information. If you believe this standard has not been achieved, please tell us. You can advise the officer you are directly dealing with and /or telephone 9840 9450 and/or complete a Customer Opinion Card (available from the customer service desk at the Council Offices and/or access the Council website, click on the contact button and complete a feedback form.*