

APPLICATION TO INSTALL A SEPTIC TANK SYSTEM

To obtain the necessary information to complete this application form, you will need to refer to the South Australian Health Commission Code **WASTE CONTROL SYSTEMS – STANDARD FOR THE CONSTRUCTION, INSTALLATION AND OPERATION OF SEPTIC TANK SYSTEMS IN SOUTH AUSTRALIA**.



If you intend to use an aerobic sand filter or aerobic wastewater treatment system as an alternative for treating and disposing of septic tank effluent you will also need to refer to **SUPPLEMENTS A or B** and obtain the relevant application form.

The **STANDARD and SUPPLEMENTS** can be purchased from any council office or SA Health Commission Public & Environmental Health Service Office.

Failure to provide the correct information, which must include a detailed assessment of the land capability of the site (ie suitability of the site for treatment/disposal of septic tank effluent) will result in approval delays.

A fee (as determined by the relevant authority) and **two copies** of the detailed building plan and site plan (refer to Chapter 3 of the STANDARD) must accompany the application for **each** septic tank.

Please contact the relevant authority for details regarding the fee and method of payment. The relevant authority is:

- The local council for the area where the system is to be installed; or
- The South Australian Health Commission for areas of the State not under local government control.

PLEASE PRINT CLEARLY

OFFICE USE ONLY
Septic Number _____
DA 571/ /
Receipt Number _____
Fees Paid \$ _____
Date Fees Paid _____

1. LOCATION OF INSTALLATION

Refer to Chapter 3 of the STANDARD for further information.

Street _____ Township or Suburb _____

Street Number _____ Lot or Pt Lot Number _____

Where the installation is not located in a defined township, please provide a location plan with clear directions and the following information:

Hundred of _____ Section or Pt Section _____

2. OWNER / APPLICANT DETAILS

Refer to Chapter 3 of the STANDARD for further information.

Owner's Name _____

Owner's Address _____

Township or Suburb _____ Postcode _____ Telephone _____

Where the person completing this application is not the owner, please provide applicant details.

Applicant's Name _____

Applicant's Address _____

Township or Suburb _____ Postcode _____ Telephone _____

Tick as appropriate Builder Plumber Other (please specify) _____

6. LAND CAPACITY ASSESSMENT DETAILS

Refer to Chapter 7 of the STANDARD for further information.

SITE DETAILS

Land Slope (percentage gradient) _____ Flooding frequency (eg once in 7 years) _____

Depth to permanent/seasonal or tidal water table (mm) _____ Depth in bedrock (mm) _____

SOIL CLASSIFICATION

Attach details of soil classification assessment, providing a description of the soil at each horizon taken to a depth of three (3) metres, or 500mm beyond the intended level of the base of the selected soil horizon for the subsurface disposal system – whichever is the greater. The description should include an indication of the likely permeability of each soil horizon and its suitability for the proposed disposal system. Several test boreholes should be taken within the area of the proposed soakage system. The test holes shall be identified and their location indicated on a site plan.

SOIL PERMEABILITY (percolation)

Where the soil assessment indicates a soil type such as clay or where it is known that the soil type is unlikely to be suitable for long term effluent disposal, recognised percolation tests (eg **Static** or **Falling Head Tests** using 100mm diameter bore holes) should be carried out in the area and within the selected soil horizon where the disposal system is to be located. The test holes shall be identified and their location indicated on a site plan.

Attach results of percolation tests carried out using a recognised test method, or show results below

Test Method (*tick as appropriate*) Static Head Test or Falling Head Test

Duration of pre-soaking (*hours*) _____ Depth of water used to conduct test (*mm*) _____

Diameter of test hole (*mm*) _____

Test hole number	1	2	3	4	5
Depth test taken (<i>mm</i>)					
Results (<i>mm/hr</i>) see NOTE					

NOTE: Only record results when fall rate is constant

Please provide certification from a geotechnical engineer that the installation and operation of the subsurface disposal system will not have any impact on the structural integrity of the building(s) on the site or adjoining sites.

CALCULATION OF REQUIRED CONTACT AREA FOR SUB-SURFACE DISPOSAL

Refer to Chapter 7 of the STANDARD for information on calculating required contact area

Effluent percolation rate as calculated (*in litres/square metre/day*) _____

Required contact area for sub-surface disposal as calculated (*in square metres*) _____

PROXIMITY TO A WATER SOURCE

Is the proposed effluent disposal system to be installed in any of the following locations? (*tick as appropriate*)

- ◆ Within 50m of a well, bore, dam used or likely to be used for human or domestic purposes? Yes No
- ◆ Within 50m of a watercourse as identified in a 1:50,000 Department of Environment and Natural Resources topographic map and used or likely to be used for human or domestic purposes. Yes No
- ◆ Within 100m of the pool level of the River Murray and Lakes. Yes No
- ◆ Within the 1956 River Murray and Lakes flood zone. Yes No
- ◆ Above shallow underground water supplies used for human or domestic purposes. Yes No
- ◆ Within 100m of the mean high water mark along coastal foreshore areas. Yes No
- ◆ Within 50m of a water source used for agricultural, aquacultural or stock purposes. Yes No
- ◆ In an area likely to be subject to flooding or inundation in a 1:10 year return event. Yes No

If **YES** to any one of the above, please provide full details including location, depth and measurements with the application.

7. DISPOSAL METHODS

Refer to Chapter 7 of the STANDARD for further information.
(Tick and indicate number as appropriate)

SOAKAGE TRENCH or **SOAKAGE BED** See NOTE below regarding licence requirements.

Type used plastic tunnel perforated pipe

Length (metres) _____ Width (mm) _____ Depth* (mm) _____

*Depth of trench or bed used to calculate the contact area.

Depth below natural ground surface to top of trench or bed (mm) _____

SOAKAGE WELL

Depth Below inlet (mm) _____ Diameter of excavation (mm) _____

Number of wells _____ Contact area provided by each well (square metres) _____

Where a Water Resources Act or an Environment Protection Act licence is required, please state Licence Number and name of the issuing authority.

Licence Number _____ Issuing Authority _____

NOTE: A licence may be required from the Department of Environment and Natural Resources or the Environment Protection Authority in situations where the disposal system exceeds 2.5m in depth or is situated in an area such as a Water Protection Zone **and** the system is sized for more than 100 persons.

OFF-SITE DISPOSAL

Septic tank effluent disposal system

Temporary on-site containment for tanker removal for site. State capacity of storage pump (litres) _____

OTHER METHOD Please provide details with attachments as appropriate.

PUMP SUMP & PUMP

Where a pump sump and pump is required to lift the effluent from the septic tank to the effluent disposal system, please provide details.

Pump sump materials and method of construction _____

Capacity of pump sump (litres) _____ Type of pump _____

Type and location of alarm _____

8. DECLARATION AND SIGNATURE OF OWNER AND APPLICANT

Refer to the STANDARD for further information.

NOTE: Where the applicant is NOT the owner, Then BOTH the owner's signature and the applicant's signature are required, otherwise approval will be delayed. The owner should ensure that this form is completed BEFORE signing.

I / We hereby declare that the information provided in this application, attachments and accompanying plans is true and correct. Penalties apply for the provision of false and misleading information.

Owner's signature _____ Date _____

Applicant's signature _____ Date _____

NOTE: All applications must be accompanied with the appropriate fee. Please contact the relevant authority for details.