

APPLICATION FOR WASTEWATER SYSTEMS AND RECLAIMED WATER REUSE SCHEMES FOR TOWNS, SUBDIVISIONS AND COMMUNITIES



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 Environmental Health Service
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This application form is for the following types of wastewater system installations:

- Towns / townships - wastewater collection and/or treatment
- Small communities / shack sites - wastewater collection and/or treatment
- Aboriginal Communities and Homelands - wastewater collection and/or treatment
- New developments / subdivisions - wastewater collection and/or treatment
- Tourist developments - wastewater collection and/or treatment
- Domestic wastewater of industrial / commercial development
- Extensions to existing schemes / systems - wastewater collection and/or treatment
- Reclaimed water irrigation systems (municipal, vineyards, woodlot etc)
- Other reclaimed water reuse or disposal

OFFICE USE ONLY
<p style="text-align: center; margin: 0;">WASTE CONTROL SYSTEM NUMBER</p> <p>(WCS): _____</p> <hr/> <p style="margin: 0;"><i>FEE RECEIVED (include date, amount & receipt number):</i></p> <p>_____</p> <p>_____</p>

PLEASE PRINT CLEARLY

TYPE OF WASTEWATER SYSTEM INSTALLATION

THIS APPLICATION IS FOR: *(Please tick appropriate boxes)*

- Collection of wastewater
- Treatment of wastewater
- Reclaimed water reuse
- Effluent subsurface disposal

For the following: *(please specify name or area)*

- Town / township *(please specify)* _____
- Small community / shack site *(please specify)* _____
- Aboriginal community / homeland *(please specify)* _____
- New development / subdivision *(please specify)* _____
- Tourist development *(please specify)* _____
- Domestic wastewater of industrial / commercial development *(please specify)* _____
- Other *(please specify)* _____

This scheme is:

- An extension to existing scheme (*please specify*) _____
- Upgrading of existing scheme (*please specify*) _____
- A new scheme (*please specify*) _____

WASTEWATER TECHNOLOGY USED

From the list of technologies below, please indicate the options proposed in your application for:

- 1. Collection system**
- 2. Treatment system and**
- 3. Reclaimed water reuse**

(Please tick appropriate boxes)

1. COLLECTION SYSTEM:

- Sewerage system (raw sewage collection, no septic tanks) with gravity sewers only
- Sewerage system with pumped and gravity lines in the network
- Pumped raw sewage from individual connections to common main(s)
- Septic tank effluent drainage - by gravity
- Septic tank effluent drainage - pumped and gravity lines in the network
- Pumped septic tank effluent from individual connections to common main(s)
- Vacuum collection

2. TREATMENT SYSTEM:

- Primary treatment
- Activated sludge
- Extended aeration
- Intermittently aerated decanted system
- Attached media system such as trickling filter, rotating bio-reactor
- Other biological treatment
- Filtration system (sand, micro filtration etc)
- New technology (*please specify*) _____
- Nutrient removal
- Combination of any of the above (*please specify*) _____

3. RECLAIMED WATER REUSE:

- Municipal irrigation (*please specify*) _____
- Crop irrigation (*please specify crop*) _____
- Passive usage / ornamental
- Other non-potable use (*please specify*) _____
- Off site disposal (*please specify*) _____

IF REUSE IS BY IRRIGATION:

(Please tick the irrigation option proposed in your application)

Surface irrigation

- Spray
- Drip
- Flood
- Furrow

Subsurface disposal / irrigation

- Shallow subsurface irrigation
- Soakage trench
- Soakage bed
- Soakage well

APPLICATION DETAILS

NAME & DESCRIPTION OF SYSTEM FOR APPROVAL:

INSTALLATION ADDRESS / LOCATION

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 _____

APPLICANT DETAILS

Applicant name: _____ Contact: _____

Address: _____

Phone: _____ Fax: _____

Email: _____ Mob No.: _____

OWNER DETAILS (if different from the applicant)

Owner name: _____ Contact: _____

Address: _____

Phone: _____ Fax: _____

Email: _____ Mob No.: _____

OPERATOR DETAILS

Operator name: _____ Contact: _____

Address: _____

Phone: _____ Fax: _____

Email: _____ Mob No.: _____

APPLICATION REQUIREMENTS

IMPORTANT: PLEASE ATTACH FULL DETAILS FOR ITEMS LISTED BELOW

1. Concept Report explaining the application and its purpose, taking into account information required with this form.
2. Technical details of the proposed collection, treatment and reclaimed water reuse technology (whichever is applicable) and proposed design for the system as a whole and for each component including details of the function served by each mechanism.
3. Engineering calculations used to establish the design and size the system / scheme and the components within the scheme, such as sizes of pipework, tanks, chambers, pumps, aerators, filters or any other equipment used.
4. Technical specifications including the name, make, model, size, description, function, location, material used, classification, duty, capacity, type of all the components and equipment within the scheme.
5. Engineering report and / or calculations for the structural soundness of the system / scheme and its components.
6. Two (2) sets of separate preferably scaled A1 size (min. A3) engineering drawing(s), both plan views and cross sectional drawings of the system, as a whole and for each of its components (whichever applicable), such as:
 - Collection system
 - Treatment system
 - Major components
 - Reclaimed water irrigation system and/or other reuse scheme
 - Total overall scheme

The above drawings should include all dimensions of components, including (where relevant) pipework, tanks, motors, compressors, pumps, valves, diffusers, venturi, media, media fittings, disinfection systems, scum and sludge collection, baffles, partitions, electrodes, float switches, control panels and alarms.

7. Soil assessment for reclaimed water irrigation or disposal site and other site characteristics including proximity to housing, public areas, roads, watercourses and the marine environment and irrigation application methods and irrigation system technical design details.
8. Design and technical specifications of reclaimed water reuse system (irrigation, disposal or other) including pipes, pumps, pump sumps and any other equipment or tank lagoon etc and their installation and operation methods.
9. Two (2) sets of A1 (minimum of A3) Schematic Plan / Flow diagram of the overall scheme, including the collection system, treatment plant and reclaimed water irrigation / reuse system where applicable.
10. Copies of the servicing manual, operating manual and the recommended service details required for the maintenance of the system and its components.
11. Contingency measures for malfunctions of the scheme and its components.
12. Any further information relevant to the application for approval.
13. Any evaluation report from any appropriate authority, detailing the performance of the system / scheme against the test criteria. This may include
Any appropriate laboratory analysis reports produced by laboratories which have National Association of Testing (NATA) certification (where applicable and/or available):
AND / OR
Any product certification to the Standards Mark Quality Assurance Program or others.
e.g.[ISO 9000] for the system (where applicable and/or available).
AND / OR
Any other assessment or accreditation report for the system / scheme

Please fill in the following declaration after reading the “Application Requirements” section above

DECLARATION BY APPLICANT /OWNER

I supply the following details with my approval application for the wastewater system detailed above

(Tick as included):

- Application fee
(payable to the Department of Health – may be subject to change each new financial year)
- Concept report of the project
- Description and technical details of the proposed system and its components
- Engineering calculations regarding the design and sizing of all the components of the system
- Technical specifications for all the components within the scheme
- Soil and site assessment for the reclaimed water irrigation or disposal site
- Engineering report and/or calculations regarding the structural soundness of the scheme
- Two (2) sets of scaled A1 size or a minimum of A3 size plan-view engineering drawings
- Two (2) sets of scaled A1 size or a minimum of A3 size cross-sectional engineering drawings
- Two (2) sets of A3 Schematic Plan of the overall system
- A copy of the servicing manual / details
- A copy of the operation manual / details
- Contingency measures for malfunctions of the system
- Laboratory analysis reports (NATA registered) *(where available)*
- Additional information *(where available)*

I understand that the Department of Health (DH) may require further details if necessary, and that failure to supply all the details referred to in this application form and any additional information requested by the DH concerning my application above may result in delays in processing the application.

NAME: _____

POSITION: _____ COMPANY: _____

ADDRESS: _____

SIGNATURE: _____ DATE: _____

APPLICATIONS MUST BE ADDRESSED TO:

Wastewater Management
Environmental Health Service
Department of Health
PO Box 6 Rundle Mall, ADELAIDE SA 5000