

Application to Construct, Maintain and use Effluent Storage (PART B)



environment
SOUTHLAND
REGIONAL COUNCIL
Te Taiao Tonga

This application is made under Section 88 of the Resource Management Act 1991

A complete Part A form needs to be provided with this Part B form. The purpose of this Part B form is to provide applicants with guidance on information that is required under the Resource Management Act 1991. These forms are to act as a guide only and Environment Southland reserves the right to request additional information. **This form must be used when applying for consent to construct or reconstruct effluent storage, including waste-water, sludge or effluent from an industrial or trade processes or agricultural effluent (including treatment facilities, such as weeping walls and sludge beds).**

To: Environment Southland
Private Bag 90116
Invercargill 9840

1. Location of the storage:

Address: _____

Legal Description(s): _____

Map Reference (NZTM 2000): _____

2. What types of effluent storage are you proposing to construct, maintain and use?

Effluent pond (*complete 2.2 below*) Tank

Other, please describe: _____

3. Proposed method of lining the pond

Compacted clay Synthetic liner Concrete

Other, please describe: _____

4. Construction Details

Name of designer: _____

Name of builder: _____

Name of construction supervisor: _____

Proposed timing of construction: _____

What is the total volume of the storage?(cubic metres)

5. For agricultural effluent storage and sludge design, is the storage to be constructed in accordance in accordance with:

IPENZ Practice Note 21: Farm Dairy Effluent Pond Design and Construction (2013); or

Yes

No

IPENZ Practice Note 27: Dairy Farm Infrastructure (2013)

Yes

No

If no, please advise what departure from the standards is proposed and why.

6. Please provide details of the proximity of the storage to:

Nearest surface watercourse: _____ metres

Nearest artificial watercourse: _____ metres

Registered drinking water supplies: _____ metres

Nearest underground drain: _____ metres

Property boundary: _____ metres

Dwellings on neighbouring properties: _____ metres

Coastal marine area: _____ metres

Historic heritage _____ metres

Urban areas _____ metres

7. Please provide a description of all of the sources of waste-water, sludge or effluent to be treated and/or stored in the storage, including the storage capacity of the effluent storage in relation to the volume and nature of the liquid that will enter. For agricultural effluent, you must also attach a Massey Pond Calculator assessment of storage requirements.

8. Please provide a description the quality of the waste-water, sludge or effluent. Please include all operational procedures, emergency response and proposed monitoring devices to match the scale and quality of the waste-water, sludge or effluent being stored and sensitivity of surrounding environment.

9. Please include an operational management plan that includes:

- Operational procedures:
 - *For example, how will the pond be managed day to day?*
- Emergency responses:
 - *For example, what will you do if the pond fails?*
- Monitoring and reporting you will undertake:
 - *For example, the frequency of visual inspections; the use of inspection ports or an alarm on the pond.*
- When pond drop tests will be completed

10. Please include engineering drawings for the proposed structure(s). This will include, but not be limited to:

- the height of the embankments; and
- placement and orientation of the effluent storage relative to flood flows and stormwater run-off.

11. Please include a map or aerial photograph showing the following:

- the location of the proposed storage;
- the total property area boundary;
- surface water bodies, artificial watercourses, installed subsurface drains and wetlands nearby;
- water supplies - bores, registered drinking etc.;
- the coastal marine area and the distance to it (if relevant);
- the location of any dairy sheds and residential dwellings; and
- any additional points of interest – historic heritage, places of assembly etc.

Please note that upon completion of the storage and prior to discharge, you will be required to provide certification of the design and build by a Chartered Professional Engineer.

END OF FORM