

# Application To Discharge Dairy and/or Piggery Effluent to Water

(For Office Use Only)

Consent No.: \_\_\_\_\_

This application form should be used for all discharges to water, e.g. to drains, rivers, lakes, ocean, harbours, etc.

**Show the location of the discharge on your map on Form 1. Include design plans and details with this application.**

## Part A: General

1. Please supply the following information:

Name of factory supplied: \_\_\_\_\_ Supply No.: \_\_\_\_\_

Name of sharemilker / leasee; *(delete if not applicable)* \_\_\_\_\_

or Manager: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

2. Current Herd Size: \_\_\_\_\_

Predicted herd size over five years: \_\_\_\_\_

3. Type of System: \_\_\_\_\_ Size

Pond 1. \_\_\_\_\_  Barrier Ditches Number: \_\_\_\_\_

2. \_\_\_\_\_ Total Length: \_\_\_\_\_

3. \_\_\_\_\_

Border Dyke  Other (describe) \_\_\_\_\_

\_\_\_\_\_

Any additional treatment eg, created wetland, aeration etc. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(continue on separate paper if necessary)

Please supply name of system designer: \_\_\_\_\_

4. Do you have stormwater diversion for yard and dairy when milking is not in process:

YES  NO

5. What is the name of the receiving river or stream:

If it is a drain or an unnamed tributary what is the name of the main river or stream it flows into:

\_\_\_\_\_

6. If you have had the effluent quality tested recently please supply results for:

Biochemical Oxygen Demand (BOD<sub>5</sub>): \_\_\_\_\_ g/m<sup>3</sup>

Total Nitrogen: \_\_\_\_\_ g/m<sup>3</sup>

Suspended Solids: \_\_\_\_\_ g/m<sup>3</sup>

## Part B: Assessment of Effects on the Environment (continued)

It will be necessary to have a sample of the effluent taken before a consent can be issued.

NOTE: The Otago Regional Council is strongly encouraging farmers to use irrigation or wagon spreading as the final disposal of effluent (unless the farm is situated in a groundwater protection zone or there is some other valid environmental reason why this irrigation cannot be used.) Border dyke irrigation is considered to be a discharge to water.

Every person (including those in groundwater protection zones etc), wishing to discharge to water will have to meet a minimum standard before a consent will be granted. Any consent that is issued will also require the system to be upgraded to meet stringent criteria within three years.

The initial effluent standard is:

BOD <sub>5</sub> .....	100 g/m <sup>3</sup>
Suspended Solids .....	180 g/m <sup>3</sup>
Total Nitrogen .....	80 g/m <sup>3</sup>

The three year improvement is:

BOD <sub>5</sub> .....	30 g/m <sup>3</sup>
Suspended Solids .....	30 g/m <sup>3</sup>
Total Nitrogen .....	5 g/m <sup>3</sup>

It is unlikely that any consent for the discharge of effluent will be granted for longer than 5 years initially.

## Part B: Assessment of Effects on the Environment

1. Is there a change in the colour, clarity, flow or nature of the water into which the discharge is made? Describe this change.

---



---

2. In the vicinity of the discharge or within a reasonable distance downstream are there any:
- |  | Yes                      | No                       | Not Known                |
|--|--------------------------|--------------------------|--------------------------|
| (a) Obvious signs of fish, eels, insect life, aquatic plants, etc?           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (b) Water abstractions?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (c) Wetlands (e.g., swamp areas)?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (d) Recreational activities carried out (e.g., swimming, fishing, canoeing)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (e) Areas of particular aesthetic or scientific value                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (e.g., scenic waterfall, rapids, archaeological sites)?                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (g) Areas or aspects of significance to Iwi?                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

If you have answered YES to any of 2. above, describe what effects your discharge may have and the steps you propose to take to mitigate these.

---

---

---

---

---

(Continue on a separate page if necessary)

3. What alternative methods of disposal or discharge locations have you considered?

---

---

---

---

---

4. Why did you choose the proposed method of disposal and location point?

---

---

---

---

---

5. How will the equipment controlling the discharge be operated and maintained to prevent equipment failure, and what measures will be implemented to ensure that the effects of any malfunction are remedied?

---

---

---

---

---

6. What, if any, monitoring do you propose to carry out to ensure that the discharge does not have any adverse effect?

---

---

---

---

---