

7

Application To Discharge Water or Contaminants to Water

(For Office Use Only)

Consent No.: _____

This application form should be used for all discharges to water, e.g. to 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. What is the discharge: Water or contaminant

(A contaminant is any substance or water which is likely to change the natural state of the water into which it is discharged in any way.)

2. What is the source of the water or contaminant (eg. Sewage treatment, industry, sewage pumping station, water treatment, rural activity)?

Discharge of treated wastewater from the Shotover WWTP to the Kawarau River

3. Describe the contaminant: Treated wastewater - refer to attached AEE

including, where appropriate:

Temperature: _____ °C pH: _____ Suspended solids: _____ g/m³

BOD₅: _____ g/m³ Faecal coliforms: _____ cfu/100mls

The chemical content, including heavy metals or toxic substances, nitrates, ammonia and dissolved reactive phosphorous and their toxicity to the receiving water / environment.

Refer to AEE

4. Is the contaminant treated in any way before being discharged? Yes No

If yes, describe treatment Inlet screens and grit removal, secondary treatment with MLE

and clarifiers, tertiary filtration, UV disinfection

5. What is the name of the water body into which the discharge is made (e.g. name of river, lake, bay, harbour, ocean, etc) and what is the map reference in NZTM 2000 at the discharge point?

Kawarau River

NZTM 2000: E 1266813 N 5006383

Part A: General (contd.)

6. Discharge Rate Information:

Maximum flow rate: 694 litres per second
 Maximum flow: _____ cubic metres per day
 _____ or _____ cubic metres per week

For sewage discharges:

Average dry weather flow: _____ litres per second
 Peak flow: 694 litres per second
 Daily peak flow: _____ cubic metres per day
 Peak wet weather flow: 60,000 m3/d litres per second

Is the discharge: continuous or intermittent

What will be the maximum discharging period? 24 hours per day
7 days per week
 _____ weeks per month
 _____ months per year

7. Does the discharge also involve:
- | | | | | |
|-------------------|-----|-------------------------------------|----|-------------------------------------|
| Outlet structure? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |
| Diversion? | Yes | <input type="checkbox"/> | No | <input checked="" type="checkbox"/> |
| Discharge to air? | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |

If you answered "Yes" to any of 7. above, another schedule to this consent application may be required.

Part B: Assessment of Effects on the Environment

1. Comment on the possible effects the discharge may have on the quality of the receiving water and any downstream users:

Refer to AEE

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

Part B: Assessment of Effects on the Environment (Contd.)

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.

Refer to AEE

(Continue on a separate page if necessary)

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

Refer to AEE

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

Refer to AEE

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?

Refer to AEE

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

Refer to AEE
