

# Application For Resource Consent to Construct or Alter a Dam

*(Including Changes to Conditions of Current Resource Consents)*

To: Co-ordinator Customer Services  
 Tasman District Council  
 Private Bag 4  
 Richmond, Nelson 7050

**FOR OFFICE USE ONLY**

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

Fee: \_\_\_\_\_

Customer No: \_\_\_\_\_

## PART A: Contact Details

Pursuant to Section 88 of the Resource Management Act 1991, the undersigned hereby applies for a permit in accordance with the details below:

### 1.\* Applicant(s) Details

**Company Name:** *(if applicable)*

**Name(s):**

*First Name(s)* \_\_\_\_\_ *Surname:* \_\_\_\_\_

*First Name(s)* \_\_\_\_\_ *Surname:* \_\_\_\_\_

*First Name(s)* \_\_\_\_\_ *Surname:* \_\_\_\_\_

*First Name(s)* \_\_\_\_\_ *Surname:* \_\_\_\_\_

**Contact Person Details** *(if applicable)*

Name of Contact Person: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Street Address: *(if different from above)* \_\_\_\_\_

Phone Number:

Business: \_\_\_\_\_ Private: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email Address: \_\_\_\_\_

### 2. Consultant/Agent Details *(if applicable)*

Consultant/Agent Name: \_\_\_\_\_

Postal Address: \_\_\_\_\_

Phone Number:

Business: \_\_\_\_\_ Private: \_\_\_\_\_

Mobile: \_\_\_\_\_

Name of Contact Person: \_\_\_\_\_

Email address: \_\_\_\_\_

### 3. All correspondence relating to this application should be sent to: *(tick one only)*

Applicant     Consultant/Agent     Other *(specify)* \_\_\_\_\_

4.\* Indicate if any other consents are required in relation to this proposal and indicate whether or not they have been applied for or granted:

- a. Water Permit Dam
- b. Water Permit Take Storage
- c. River Bed Consent (Section 13 RMA)
- d. Building Consent (Building Act)
- e. Landuse Consent
- f. Land Disturbance
- g. Other (*specify*)

## ASSESSMENT OF EFFECTS

### PART B: Description of Proposal

Enclose with your application a Council (GIS) generated aerial photo showing the location of the dam, local named roads, names of neighbouring property owners, property boundaries, any upstream or downstream water users, any other dams, wetlands or wildlife habitats and other relevant features eg. buildings, fences. Council's Customer Services Officers will provide this aerial photo on request.

#### 1. At the site of the dam:

a. Nature of Tenure of Applicant(s): (*Tick as appropriate*)

- Owner     Lessee     Prospective purchaser
- Other (*specify*)

b. Legal Description (*as shown on rate demand*)

Lot \_\_\_\_\_ DP \_\_\_\_\_ CT \_\_\_\_\_

Other (*specify*) \_\_\_\_\_

c. Property valuation number \_\_\_\_\_

d. Address/Location \_\_\_\_\_

#### 2. Name of River being dammed:

If the stream is unnamed, state what water body it is a tributary of.

Name \_\_\_\_\_ or Tributary of \_\_\_\_\_

#### 3. Purpose of dam and if water is to be taken and/or used: (*Tick as appropriate*)

- Irrigation     Industry     Municipal supply     Stock     Household
- Amenity     Other (*specify*)

### PART C: Dam Impact Classification

Dam owners are required to consider actual or potential risks of flooding, erosion or damage to adjoining or downstream properties resulting from their dam's failure. Furthermore, owners of dams >3m in height and storing >20,000 cubic metres have additional responsibilities under the Building Act including classification of their dam into either low, medium or high potential impact classification.

Is your dam >3m in height and storing >20,000 cubic metres when full?  Yes     No

#### For new dams, please answer the following questions:

Below your dam site, are there downstream occupied houses, or batch or temporary accommodation where people live ie where lives could be at risk if the dam failed and rapidly discharged?  Yes     No

Are there downstream chemical stores, building etc which could be destroyed or damaged if the dam failed?  Yes     No

If you have answered **YES** to any of the above questions, you need to employ an engineer to design your dam. It is suggested that you contact the appropriate staff of the Tasman District Council.

## PART D: Assessment of Effects of the Activity on the Environment

1. Regarding the permanence of the stream flow entering your proposed dam, is it?

- Permanent flow
- Intermittent flow (ie summer inflow ceases)
- No natural inflow
- If the flow is permanent, estimate the summer low flow \_\_\_\_\_ Litres/Sec

2. Are there upstream dam(s) or other water uses affecting the flow of water into your proposed dam?

- Yes  No

3. Describe the bed of the stream (eg. is it gravelly, muddy or sandy, are there any pools and provide photographs of the site).

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4. Give details (type and extent) of any vegetation bordering or affected by the proposed dam

(eg. pasture, native bush, scrub, swamp or wetland).

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5. Are there any downstream water users, landowners etc who may be affected by your damming?

- Yes  No

List the names of all the property owners/occupiers adjacent to and/or immediately downstream of your dam.

Name of owner: \_\_\_\_\_

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6.\* Where dam water is to be taken and used, will all pipe(s) taking water from storage be screened to avoid entraining of fish and eels?

- Yes  No

*Note: Taking and use of less than 5m<sup>3</sup>/day/property from a dam does not require a resource consent.*

7. Owners of dams are encouraged not to completely drain their dams because of adverse effects on residents eels. Please comment whether you will ever need to drain your dam:

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8. Mitigation of Adverse Effects:

Describe steps you will take to mitigate any adverse effects identified above. (Attach details on a separate sheet if necessary)

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## PART E: Construction Details For Earth Dams

Generally, earth dams less than 3 metres in height storing less than 20,000 cubic metres on Moutere Gravels can be constructed without Council requiring input from a civil engineer. The Council's requirements and guidelines for earth dam construction, alteration and maintenance are contained in the Tasman District Council's publication "Dams", December 2000. If after reading that publication you are in doubt as to what is required, please contact the Council's staff in Environment and Planning.

**Please complete the following if you are constructing a dam without an engineer's input.**

I have read the Council's guideline publication "Dams December 2000"  Yes  No

### Details of Dam

Catchment area: \_\_\_\_\_ hectares Dam height: \_\_\_\_\_ metres

Length of crest: \_\_\_\_\_ metres Depth of core trench: \_\_\_\_\_ metres

Inner dam embankment: \_\_\_\_\_ Width of core trench: \_\_\_\_\_ metres

Width of crest: \_\_\_\_\_ metres Dam storage: \_\_\_\_\_ cubic metres

Outer dam embankment: \_\_\_\_\_

### Overflow Spillway

Bottom width: \_\_\_\_\_ metres

Slope: \_\_\_\_\_

Depth of spillway outlet below top of dam: \_\_\_\_\_ metres

Spillway batter slope: \_\_\_\_\_

Is any part of the spillway located on fill material  Yes  No

### Low Flow Pipe

Diameter of low flow pipe: \_\_\_\_\_ millimetres

Length of dam discharge pipe: \_\_\_\_\_ metres

### Other Details

Type of core material: \_\_\_\_\_

Type of fill material: \_\_\_\_\_

Existing ground conditions (e.g. wet, swampy, dry, etc): \_\_\_\_\_

### Contractor (if arranged prior to application)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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

### Supervising Engineer (if arranged prior to application)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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

Commence Date of Works: \_\_\_\_\_

Other relevant details: \_\_\_\_\_

\_\_\_\_\_

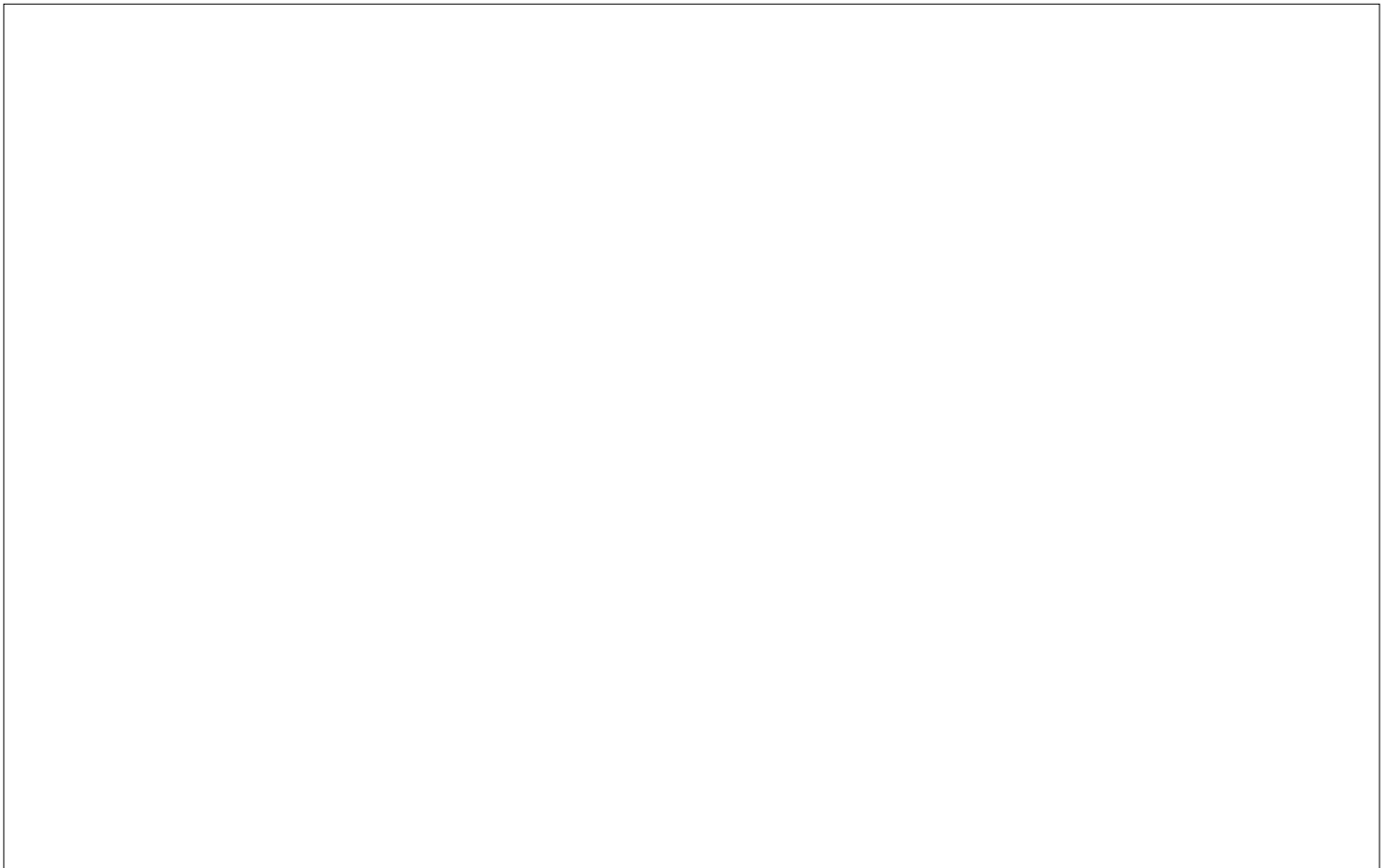
\_\_\_\_\_

**Site Plan**

Show particularly the location of the overflow spillway, low flow pipe, dam discharge pipe, borrow area, top water level (boundary of impounding area) and both property and title boundaries.

**Cross Section through the Dam**

Show particularly the dam batters, core trench and location of any pipes (and associated seepage collars) within the dam.  
*(Supply detailed design and work sheets if appropriate).*



## PART F: Consultation

List below those parties consulted, their address and/or phone number, any concerns they have expressed and your response to this (attach additional list and/or supporting information where appropriate).

1. Name: \_\_\_\_\_ Address: \_\_\_\_\_  
\_\_\_\_\_  
Position: \_\_\_\_\_  
Their concerns: \_\_\_\_\_  
\_\_\_\_\_  
Your response: \_\_\_\_\_  
\_\_\_\_\_
2. Name: \_\_\_\_\_ Address: \_\_\_\_\_  
\_\_\_\_\_  
Position: \_\_\_\_\_  
Their concerns: \_\_\_\_\_  
\_\_\_\_\_  
Your response: \_\_\_\_\_  
\_\_\_\_\_

## PART G: Declaration

I hereby certify that, to the best of my knowledge and belief, the information given in this application is true and correct. I undertake to attach the required aerial photo of the property. **I also undertake to pay all actual and reasonable application processing costs incurred by the Tasman District Council.**

Signature of Applicant or Agent: \_\_\_\_\_ Date: \_\_\_\_\_

Name (*block capitals*) \_\_\_\_\_

Designation: (*eg. owner, manager, consultant*) \_\_\_\_\_

Please attach your Deposit Fee payment for this application. Refer to the fee schedule for details.

## Background: Tasman Resource Management Plan (TRMP)

Applicants for consents for dams in Tasman District need to be familiar with the Tasman Resource Management Plan (TRMP). Owners of large dams also need to be aware of requirements under the Building Act. Reference copies of the TRMP are available at Council's offices and libraries and copies of the relevant policies and rules can be obtained from Council's offices.

Under the TRMP rules, a water permit consent is not required if the catchment area contributing to the dam is under 20 hectares. Firefighting use is exempt from requiring a resource consent as is water taken for stock use. Household and other uses are permitted (ie. no consent is required) if daily use from storage is less than five cubic metres per property per day although some exceptions and conditions do apply.

Council's application forms are designed to address the information and assessment of effects required under both the TRMP and the Resource Management Act.

For many applications, this form when properly completed will be sufficient information but Council may request additional information particularly where an application is complex or the effects potentially significant.

Applicant's are referred to Council staff to obtain or discuss this information where it is necessary to answer various questions.

### Part A: Contact Details

#### 1. Applicant(s) Details

A resource consent can only be held by a legal organisation or fully named individual(s). A legal organisation includes a limited company, incorporated group or registered trust. If the application is not for one of the above, then you may use fully named individual(s) and the organisation name.

#### 4. Other consents required

Additional consents may be required from Council in relation to the dam, These include consent for structures in a river bed and for land disturbance. Council staff will be able to advise you whether or not any additional consents are required if this is not clear.

Under Section 13 RM Act a landuse resource consent is required for the placement of a structure in the bed of any river (including an intermittent stream).

Council currently administers a Transitional Regional Plan (TRP) which regulates the construction and ongoing safety/maintenance of dams constructed on both public and private land. This and other bylaws under the TRP are being reviewed by Council but are not yet replaced. Under the TRP, a landuse consent is required for any dam greater than 2 metres in height, or impounding more than 5000 cubic metres, or with an upstream catchment area greater than 20 hectares. The Council guideline Dams (December 2000) is a construction guideline for small earth dams and applications to construct small dams should be consistent with this guideline. These guidelines also apply to "ring" or "turkey nest" dams outside of a river bed.

For dams with crest heights above 3 metres, those with large catchments, with site-specific problems, or significant safety issues are typically required to be designed, construction supervised and certified by a registered civil (chartered) engineer or other similarly qualified person. Typically, full engineering design is required to be submitted with consent applications for these dams.

The construction of dams greater than 3 metres in height and storing greater than 20,000 cubic metres of water now also need a Building Consent under the Building Act and are required to be classified as low/medium/high impact. Owners of dams with a classification of 'medium' or 'high' impact shall provide a dam safety programme to the Council.

Dams are defined as "Buildings" under the TRMP if they exceed 1.2 metres in height and setbacks to property boundaries therefore apply to both the structure, and any dammed water should not "trespass" onto neighbouring property. This also applies to road boundaries. Easements are required where impounded water may cover neighbouring property.

The requirements of the Freshwater Fisheries Regulations 1983 for the provision of fish passage may also apply. These regulations are administered by the Department of Conservation.

Under the TRMP, applications relating to dams need to demonstrate their compliance with the current New Zealand Society of Large Dams (NZSOLD) guidelines.

Under the TRMP, a (Section 9 RM Act) consent may be required for new dams if the area being recontoured is greater than 1 hectare or any cut exceeds 1 metre in height.

### Part B: Description of Proposal

#### 1(b) Legal Description

Where possible, please attach a copy of the property's current Certificate of Title.

### Part D: Assessment of Effects of the Activity on the Environment

#### 6. Screen Intake Details

Intakes and dam discharge pipes should be screened to avoid adverse effects on resident eels and any fish. A description of the intake screen should be included. To comply with the TRMP, intake screens shall have a mesh size not greater than 5mm and constructed so that the intake velocity at the screen's outer surface is less than 0.3m/sec and maintained in good order.

### Part F: Consultation

You should identify any persons interested in or affected by the proposal, listing their name, address, phone numbers and in what way they may be affected. Interested parties may include:

- neighbours
- Tangata Whenua
- Department of Conservation
- NZ Historic Places Trust
- Fish and Game Council
- Royal Forest and Bird Protection Society Where consultation has taken place, with Tangata Whenua and any other interested parties, provide details of the consultation undertaken, including the views of those consulted and your response to this. Attach copies of any correspondence confirming this consultation.

It may be necessary to seek written approval for your application from some persons. Council staff may be able to advise you from whom you should seek written approval before you lodge your application. However, this can only be clarified once the application has been received and an initial assessment made. Note that Council has standard approval forms which assist in this regard.

# PLEASE READ THIS PAGE BEFORE COMPLETING THIS APPLICATION FORM

## ADDITIONAL INFORMATION MAY BE REQUIRED

### The Resource Management Act (1991)

This application is made pursuant to Section 88 of the Resource Management Act (RM Act) 1991 and the Tasman Resource Management Plan (TRMP). For applications to dam and to take and use stored water the RM Act is concerned about safeguarding the life supporting capacity of water and ecosystems, and avoiding, remedying or mitigating any adverse effects of activities on the environment.

Section 88 of the RM Act requires that an applicant provide an Assessment of Effects to support their application. The Fourth Schedule of the RM Act identifies the components that an Assessment must include.

These are:

- a description of the proposal;
- where it is likely that an activity will result in any significant adverse effects on the environment, a description of possible alternative locations or methods for undertaking the activity;
- an assessment of the actual or potential effects of the activity on the environment;
- a description of mitigation measures to be undertaken to help prevent or reduce the actual or potential effects;
- an identification of those persons interested in or affected by the proposal, the consultation undertaken, and any response to the views of those consulted;
- where the scale or significance of the activity's effect are such that monitoring is required, a description of how the effects will be monitored and by whom.

### Completing This Form

To ensure that you complete this application in full, please read the accompanying notes at the end of this document. These provide guidance on answering certain questions marked with \* and indicate where additional information may be required. In providing as much information as possible at this stage you will reduce the likelihood of any delay in the processing of your application. However, once an initial assessment has been made of your application we may request further information.

Send the completed form, together with any additional application forms or information required and the correct deposit fee to the address shown over. Your application will not be accepted for processing until the correct information and deposit fee has been received.

**If you have further queries, please phone 03 543 8400.**



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