

# 8E

## Schedule Discharge Permit To Discharge Contaminants to Air From Fibre Glass Product Manufacture



This form is to be used for applications seeking to discharge contaminants to air from the manufacture of fibre glass products within the Otago Region.

*(For Office Use Only)*

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

Job No: \_\_\_\_\_

### PLEASE READ BEFORE COMPLETING THE APPLICATION FORM

In order for any consent application to be processed efficiently in the minimum time and at minimum cost, it is critical that as much relevant information as possible is included with the application. **If all the necessary information is not supplied with the application then the Otago Regional Council may, under Section 88 of the Resource Management Act 1991 (the Act) return your application, request further information under Section 92 of the Act, or decline your application. This could lead to delays in the processing of your application and may increase processing costs.**

Form 1 and Schedule 8E, when properly completed, may provide an adequate "Assessment of Effects on the Environment" (AEE) where the adverse effects of a proposal are not significant. However, this can only be determined on application. The required detail for an AEE should reflect the scale and significance of the potential adverse effects the activity may have on the environment. If the size of your proposed activity or scale of its potential effects is significant, a report by a professional advisor may be required. An AEE is required by the Act so that you and others can understand what happens to the environment when you discharge contaminants to air. When considering applications to discharge contaminants to air, the effects of the discharge on the receiving environment and iwi values must be assessed.

Details of information required in an AEE is included in the Fourth Schedule of the Act appended to Form 1: Resource Consent Application.

### PART A: Description of the Proposed Activity

**A.1 (a) Please provide an accurate site plan showing:**

- i.all buildings/structures associated with the manufacturing plant;
- ii.a description of the type of land use surrounding the site (eg. north, residential – closest 500 m; south, industrial, etc);
- iii.property boundaries and neighbouring properties;
- iv.nearby buildings;
- v.road access;
- vi.location of each activity undertaken onsite;
- vii.specific location of any potential discharge point(s) i.e. discharge stack or chimney, doors or windows; and
- viii.scale and north arrow.

**(b) Provide mid-point GPS location for the activity in NZTM 2000 (New Zealand Transverse Mercator)**

NZTM 2000: E \_\_\_\_\_ N \_\_\_\_\_

**A.2 Please describe the purpose of your fibre glass manufacturing operation.**

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**A.5** If you operate a specialised BOOTH for fibre glass product manufacture complete this section, otherwise go to question A.6

**A.5.1** Please describe the booth dimensions.

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**A.5.2** Describe any existing or proposed air discharge pollution control measures (e.g. bag house, filters or scrubbers).

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**A.5.3** How is the equipment controlling the air discharge operated and maintained to prevent equipment failure, and what measures are implemented to ensure that the effects of any malfunction are remedied? *Please provide a maintenance plan for the combustion facility(s).*

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**A.6** If you manufacture fibre glass product outside a specialised booth but **WITHIN A BUILDING** complete this section.

**A.6.1** Please describe the buildings dimensions and the areas where fibreglass manufacture occurs.

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**A.6.2 Describe any existing or proposed air discharge pollution control measures (e.g. bag house, filters or scrubbers).**

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**A.6.3 How is the equipment controlling the air discharge operated and maintained to prevent equipment failure, and what measures are implemented to ensure that the effects of any malfunction are remedied? *Please provide a maintenance plan for the combustion facility(s).***

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## **Discharge stack details**

**A.7 (a) How many fibre glass discharge stacks or vents are present on the site?**

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**(b) How many fibre glass manufacturing facilities (i.e. turning fixtures) does this application seek to consent?**

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**(c) How many doors directly access the actual fibre glassing areas? And what is the distance of each to a fibre glass manufacture facility (i.e. turning fixture)**

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**A.8 When was each fibre glass manufacture facility (e.g.turning fixture) installed, or if the application is for a new facility(s), when do you expect it to be commissioned?**

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**A.9 Existing discharge stack facility(s)** (if you do not have an existing facility(s) please go to question A.8)

(a) Please describe the physical condition of the fibre glassing facility(s), including chimney/stack.

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(b) Please state the date of, and attach details from the last service on the fibre glass facility(s), including chimney/stack if available and relevant.

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**A.10 (a) What are the dimensions of the associated chimney/stack?**

Height \_\_\_\_\_ metres  
Diameter \_\_\_\_\_ metres; or  
Length \_\_\_\_\_ metres and width \_\_\_\_\_ metres

Height \_\_\_\_\_ metres  
Diameter \_\_\_\_\_ metres; or  
Length \_\_\_\_\_ metres and width \_\_\_\_\_ metres

(b) What is the height of the chimney / stack from ground level? \_\_\_\_\_ Metres

(c) What is the height of the chimney / stack above the adjoining building roof level?  
\_\_\_\_\_ Metres

(d) Please describe the insulation of the chimney/stack

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(e) Please describe the cap on top of the chimney / stack? (e.g. cone, rain cap)

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(f) What is the maximum height of adjoining and adjacent buildings to the discharge point and any buildings within 50 metres?

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(g) Please attach photographs of the combustion facility(s) and chimney/stack.

**A.11 What is the estimated or known maximum velocity of the flue gas from the stack/chimney?**

(h) \_\_\_\_\_ Metres per second

## Chemical Usage Information

**A.12 What type of Chemicals and / or resins are used on site? (Please provide MSDS for each)**

\_\_\_\_\_  
\_\_\_\_\_

**A.13 What is the maximum amount of each chemical / resin used in each process?**

Process: \_\_\_\_\_

Chemical / resin: \_\_\_\_\_

(a) Per day \_\_\_\_\_

(b) Per week \_\_\_\_\_

(c) Per month \_\_\_\_\_

(d) Per year \_\_\_\_\_

Process: \_\_\_\_\_

Chemical / resin: \_\_\_\_\_

(a) Per day \_\_\_\_\_

(b) Per week \_\_\_\_\_

(c) Per month \_\_\_\_\_

(d) Per year \_\_\_\_\_

Process: \_\_\_\_\_

Chemical / resin: \_\_\_\_\_

(a) Per day \_\_\_\_\_

(b) Per week \_\_\_\_\_

(c) Per month \_\_\_\_\_

(d) Per year \_\_\_\_\_

Process: \_\_\_\_\_

Chemical / resin: \_\_\_\_\_

(a) Per day \_\_\_\_\_

(b) Per week \_\_\_\_\_

(c) Per month \_\_\_\_\_

(d) Per year \_\_\_\_\_

## Discharge Testing and Monitoring

**A.14** Have you had any testing undertaken on the discharge from your chimney stacks/ventilation stacks?

No

Yes

*(If yes, please give details and, if possible, attach a copy of the information obtained to this application)*

**A.15** From any testing results, what contaminants are discharged and in what concentrations (mg/m<sup>3</sup>)?

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**A.16** What monitoring, if any, do you carry out to ensure that the discharge does not have an adverse effect? *(please supply results of any monitoring undertaken)*

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**A.17** Has any meteorological data relevant to the site been obtained?

No

Yes  *(If yes, please give details and, if possible, attach a copy of the information obtained to this application)*

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## General Information

**A.18** What are the maximum hours of operation of fibre glass product manufacture?

(a) Per day \_\_\_\_\_ which times? \_\_\_\_\_

(b) Per week \_\_\_\_\_ which days? \_\_\_\_\_

(b) Per month \_\_\_\_\_ which months? \_\_\_\_\_

**A.19** Section 105 of the Resource Management Act 1991 requires consideration of alternatives to the discharge and the reasons for proceeding with your proposed choice.

(a) What alternative methods of disposal or discharge to air from your fibre glass manufacturing operation have you considered?

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(b) Explain why you have made the choice to proceed with the proposed activity described in this application.

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## **PART B: Assessment of Environmental Effects**

<b>B.1</b>	<b>In the vicinity of the discharge are there any:</b>	<b>Yes</b>	<b>No</b>
(a)	Residential developments?	<input type="checkbox"/>	<input type="checkbox"/>
(b)	Production land (e.g., crops, dairy farming)?	<input type="checkbox"/>	<input type="checkbox"/>
(c)	Recreational Areas (e.g. sports grounds, parks)	<input type="checkbox"/>	<input type="checkbox"/>
(d)	Sources of other similar discharges to air?	<input type="checkbox"/>	<input type="checkbox"/>
(e)	Areas of particular aesthetic or scientific value?	<input type="checkbox"/>	<input type="checkbox"/>
(f)	Areas or aspects of significance to Iwi?	<input type="checkbox"/>	<input type="checkbox"/>
(g)	Commercial activities and / or schools?	<input type="checkbox"/>	<input type="checkbox"/>
(h)	Surface waterbodies / drains?	<input type="checkbox"/>	<input type="checkbox"/>

**B.2** List and describe all possible effects the discharge from your fibre glass manufacture operation may have on: *For Example, at minimum you need to discuss the potential effects of odour and dust on the following aspects of the environment*

(a) The receiving air quality

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(Continue on a separate sheet if necessary)

## **PART C: Consultation**

- C.1 Please comment on any consultation undertaken with parties who may be interested in or potentially affected by your proposal to discharge contaminants to air (e.g., neighbours, Aukaha and Te Ao Marama).**

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- C.2 Please provide any written approvals to the activity using Council's standard Form 1 - Resource Consent Application**

## **PART D: Checklist**

- D.1 In order to provide a complete application, have you remembered to attach:**

- |     |   |                          |
|-----|---|--------------------------|
| (a) | The fully complete Form 1 and this Schedule 8E            | <input type="checkbox"/> |
| (b) | A site plan   | <input type="checkbox"/> |
| (c) | A flow chart of each process / activity onsite            | <input type="checkbox"/> |
| (d) | The results of any monitoring undertaken                  | <input type="checkbox"/> |
| (e) | Any meteorological information relevant to the site       | <input type="checkbox"/> |
| (f) | Site Management Plan                                      | <input type="checkbox"/> |
| (g) | Written approvals obtained                                | <input type="checkbox"/> |
| (h) | Any appropriate additional information (e.g. photographs) | <input type="checkbox"/> |