



**environment  
SOUTHLAND**

**Application No: B129-001  
Consent No: 97432**

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## **Discharge Permit**

Pursuant to Section 105(1) of the Resource Management Act 1991, a resource consent is hereby granted by the Southland Regional Council (the "Council") to **Brightwood NZ Ltd** (the "consent holder") of **P O Box 93, Otautau** from **17 August 1999**.

**Please read this Consent carefully, and ensure that any staff or contractors carrying out activities under this Consent on your behalf are aware of all the conditions of the Consent.**

### **Details of Permit**

Purpose for which permit is granted:	To discharge contaminants to the air from timber processing operation
Location - site locality - - map reference - - receiving environment -	Otautau NZMS 260 D46:241-396 Air
Legal description of land at the site:	Part Sections 43-50, Lot 6 DP 7353, Lot 5 DP 7353, Lot 1 DP 51137, Section 54, Section 55, Part Section 53 Block II and Part Section 21 Block III, all being in the Town of Otautau
Expiry date:	17 August 2024

### **Consent Amended**

Conditions amended on 26 March 2003 as follows:

### **Schedule of Conditions**

#### **Period and Purpose**

1. The consent period is 25 years.
2. The consent authorises the discharge of contaminants to air from a sawmilling and timber processing operation, at about map reference NZMS 260 D46:241:396, on land known as

Discharge Permit 97432 after  
amendment

Environment Southland is the brand name of  
the Southland Regional Council

Part Sections 43-50, Lot 6 DP 7353, Lot 5 DP 7353, Lot 1 DP 51137, Section 54, Section 55, Part Section 53 Block II and Part Section 21 Block III, all being in the Town of Otautau.

**Boilers, Dust Emissions and Greenhouse Gases**

3. The operation of the boilers shall comply with the following:
- (a) The stack heights of the 4MW Triway boilers shall be not less than 12 metres above ground level.
  - (b) The opacity of smoke discharged from any boiler chimney shall not exceed Ringelmann 1 for a chimney not fitted with a photoelectric measuring device, or 40% for a chimney fitted with a photoelectric measuring device, except:
    - for 60 minutes when lighting a boiler up from cold; and thereafter
    - for periods not exceeding two minutes at a time and not exceeding an aggregate of four minutes in any period of 60 minutes.
  - (c) Coal and ash shall be stored under cover so that there are no visible emissions of coal and ash dust.
  - (d)
    - (i) No chemically treated or glued timber, particle board or painted timber is to be burned in the boilers, excluding wood treated with antisapstain chemicals that do not contain chlorine, bromine or copper.
    - (ii) All antisapstain chemicals used at the plant shall be approved in writing by Environment Southland. Material safety data sheets for these chemicals shall be held at the plant and shall be provided to Environment Southland on request.
    - (iii) In the event that wood waste sourced from off-site is burned in the boiler, the consent holder shall record the original source of the wood waste and obtain signed certification from the supplier that the wood waste has not been contaminated with any chemicals, including treatments, paints or glues. This certification shall be held by the consent holder and shall be provided to Environment Southland on request.
  - (e) The exit velocity from the chimneys shall be not less than 8 m/sec at 80% of the maximum continuous rating, and there shall be no obstruction to the upward flow of gases at exit from the chimneys.
  - (f)
    - (i) The emission rate of particulate matter to atmosphere from the Triway coal-fired boilers shall not exceed a rate equivalent to 4 kg/hour in total.
    - (ii) The emission rate of particulate matter from the Heatpac wood-fired boiler shall not exceed a rate equivalent to 8 kg/hr in total.
  - (g) Grit entrapment facilities on the boilers are to be maintained in good condition at all times. They shall be inspected at least once annually, and any holes, or other wear and tear, likely to affect the performance of the entrapment facilities shall be made good immediately.
  - (h) The stack heights of the 12.2MW (gross) Heatpac boiler shall be not less than 20 metres above ground level.

- (i) Only the Triway coal-fired boilers or the Heatpac wood-fired boiler shall be operated at any one time.
  - (j) The wood waste burning rate in the Heatpac boiler shall not exceed 4100 kilograms per hour.
  - (k)
    - (i) The sulphur content of coal burned in the boilers shall not exceed 1.5 percent by weight.
    - (ii) The quantity of supplementary coal burned in the Heatpac boiler shall not exceed 1000 kilograms per hour.
4. There shall not be any burning in the open on the site.
5. Where weather and operating conditions are such that dust from any on site operations, including stockpiling and the working of stockpiles, and vehicle movements in the yard, may carry beyond the boundary of the consent holder's premises, the consent holder shall apply water or use other suitable means to control the dust emissions.
6. The exits from materials handling and collection cyclones used in the process shall be free of visible emissions of dust to the air.
7. The consent holder shall adopt the best practicable option to minimise the emissions of the greenhouse gas, carbon dioxide, from the process. The best practicable option includes, but is not limited to:
- the efficient combustion of the fuel used in the process
  - the efficient transfer of heat generated in the process
  - the recovery of any waste heat where practicable
8. The emission of dust, steam or smoke pursuant to this consent shall not create a nuisance to a person or persons beyond the boundary of the site.

#### **Emission and Ambient Air Quality Limits**

9. (a) Timber dried in the kilns shall not be treated with any chemicals, excluding antisapstain treatment chemicals approved in writing by Environment Southland.
- (b) The dry bulb temperature in the timber drying kilns shall not exceed 110 degrees Celsius.
10. The one hour average concentration of formaldehyde shall not exceed 30 µg/m<sup>3</sup> at any point at or beyond the boundary of the site, as defined in condition 2, due to any emission made pursuant to this consent.
11. Monthly deposition of nuisance particulates at or beyond the boundary of the site, as defined in condition 2, shall not exceed 4 grams per square metre above background levels.

### Monitoring and Reporting

12. The consent holder shall monitor the particulate discharge to the air from each boiler chimney, when the boiler is operating at a level of at least 80% of the maximum continuous rating:
  - (a) within three months of the commissioning of the timber drying kilns; and thereafter
  - (b) at least once every two years.
13. The consent holder shall monitor the ambient air concentrations of formaldehyde, downwind of the kilns, with the kilns operating at normal production output:
  - (a) within three months of the commissioning of the kilns, and thereafter
  - (b) at least once every two years.
14. The consent holder shall report the results of the monitoring specified in conditions 12(a) and 13(a) to the Council's Manager of Environmental Compliance, as soon as possible after the results become available to the consent holder, but no later than one calendar month after the monitoring is carried out. Methods and standards for the testing and analysis are to be specified with the results.
15. At two yearly intervals from 30 September 1998, the consent holder shall report to the Council:
  - the results of the monitoring specified in conditions 12 and 13;
  - the methods and standards of the testing and analysis;
  - an interpretation of those results; and
  - an outline of actions which may be required in order to improve the environmental performance of the plant.
16. The methods and standards of testing and analysis, for the monitoring specified in conditions 12 and 13, are to be either:
  - (a) to the satisfaction of the Council's Director of Environmental Management; or
  - (b) may be audited, at the consent holder's expense, by the Council at least once in every three monitoring occasions.

### Complaints and Equipment Malfunctions

17. The consent holder shall maintain a register of complaints received by it relating to emissions to the air from the consent holder's premises. The register shall contain, but is not limited to, the following details of each complaint received:
  - the name and address of the complainant
  - the date and time of the complaint
  - the location of the complaint
  - the nature of the complaint
  - the prevailing weather conditions at the time of the complaint

- any events in the management of the plant which may have lead to abnormal emissions; and
- the action taken, if any, by the consent holder to avoid, remedy or mitigate the problem.

The register shall be made available for inspection by an officer of the Council, on request.

18. The consent holder shall nominate a person, or persons, who is, or are, to be available for contact by officers of the Council 24 hours per day, seven days per week for the purposes of responding to complaints about emissions to air from the process.
19. The consent holder shall advise the Council, by phone, in the event of a malfunction of an item of plant or equipment which may result in abnormal emissions from the plant as soon as practicable after the malfunction occurs, followed by a report in writing to the Council on the cause of the malfunction, and the action taken by the consent holder to avoid a recurrence of the problem. This written report is to be lodged with the Council not later than five working days from the time of the malfunction.

#### **Liaison Group**

20. The consent holder shall, within 6 months of the date of commencement of this consent, establish a liaison group to facilitate communication between the consent holder and the community, particularly about monitoring results and changes to the processes at the plant. The liaison group shall meet at least once each year and shall, unless otherwise approved by the Council's Director of Environmental Management, consist of:
  - two representatives of the consent holder (such as the Site Manager and the Health and Safety Manager);
  - one representative from the Southland Regional Council;
  - one representative from Southland District Council;
  - one representative from Southern Public Health Services; and
  - at least 3 members from the Otautau township, one of whom shall be the Chair.

*Note 1: It would be preferable to choose the representatives of the Otautau township from the submitters to the resource consent application.*

*Note 2: This condition relies upon the availability of people and organisations. If the applicant cannot establish a liaison group which consists of the representatives listed above then it may seek approval for an alternative group from the Director of Environmental Management.*

*Note 3: The primary purpose of the liaison group is consultation. This consent does not confer any authority to the liaison group to enforce its decisions on the consent holder.*

**Charges**

21. The consent holder shall pay Southland Regional Council an administration and monitoring charge, set by Special Order under the Resource Management Act, payable in advance on the first day of July each year.

**Review of Conditions**

22. The Southland Regional Council may serve notice, as a result of information received in accordance with the conditions of this permit, and in accordance with Sections 128 and 129 of the Act, in the month of September each year, of its intention to review the conditions of the consent for the purposes of:
- (i) dealing with any adverse effect on the environment which may arise from the exercise of the consent; or
  - (ii) complying with the requirements of a regional plan.
23. The consent holder may apply, in the month of September each year, for a change or cancellation of the conditions of this consent under Section 127 of the Act.

for the **Southland Regional Council**

W J Tuckey  
**Director of Environmental Management**