



RESOURCE CONSENT

Discharge Permit

Pursuant to Section 104B of the Resource Management Act 1991, the Hawke's Bay Regional Council (the Council) grants a resource consent to:

Wairoa Timber Processors Limited

C/- Clyde Lumber Limited
Carroll Street
WAIROA 4108

to discharge products of combustion into the atmosphere from one 2.7 and one 5 megawatt boiler fuelled by wood waste and coal.

LOCATION

Address of site: 2-14 Crarer Street, Wairoa
Legal description: Sec 1 SO 10205
Map reference: NZMG E2892097, N6232366; NZMS 260 X19

CONSENT DURATION

This consent is granted for a period expiring on 31 May 2031.

Malcolm Miller
Manager Consents
RESOURCE MANAGEMENT GROUP
Under authority delegated by Hawke's Bay Regional Council
5th April 2011

CONDITIONS

1. This permit shall not commence until Discharge Permit DP060564A has been surrendered or expires.
2. All works and structures relating to this resource consent shall be designed and constructed to conform to the best engineering practices and at all times maintained to a safe and serviceable standard.
3. The discharge shall only be combustion products from boilers fired by wood and supplementary coal, having a combined gross output of not more than 6.4 megawatts, and associated fuel handling processes.
4.
 - a) The discharge into air from the boilers shall occur via two individual chimney stacks at least 18 metres in height above ground level.
 - b) The discharges shall be directed vertically into air and shall not be impeded by any obstruction above the stack that decreases the vertical efflux velocity below that which would occur in the absence of such an obstruction.
5. Wood burned in the boilers shall be untreated or contaminated with any chemicals.
6. The combined coal burning rate shall not exceed 360 kilograms per hour and 15 percent of the boiler fuel load.
7. The sulphur content of coal burned in the boilers shall not exceed 0.25 percent by weight.
8. A management plan for the operation and maintenance of the boilers shall be provided to the Consent Authority (Manager Compliance) within 3 months of the date of commencement of this consent. The management plan shall include all measures necessary to achieve compliance with the conditions of this consent, including (but not limited to):
 - a) day-to-day management requirements;
 - b) named staff members responsible for ensuring consent compliance, servicing and maintenance; and
 - c) contingency measures in the event of malfunction.

The plan shall be held on-site and updated as necessary to ensure ongoing compliance. Updated copies of the plan shall be provided to the Consent Authority (Manager Compliance) within 3 months of implementation.
9. The opacity of emissions from the boiler stacks shall not be darker than Ringelmann Shade 1 as described in New Zealand Standard 5201:1973 except in the case of:
 - a) a cold start, for a period not exceeding 30 minutes in the first hour of operation, and
 - b) for a period not exceeding a total of four minutes in each succeeding hour of operation.
10. The boilers shall be maintained at least once every year, by a person competent in the servicing of such boilers. This maintenance shall include: ash and carbon deposit removal; adjustment if necessary of the fuel to air ratio; and testing of the ratio of combustion gases discharged, i.e. carbon monoxide, carbon dioxide and oxygen, using a suitably calibrated instrument. Service reports shall be prepared and retained, and copies shall be provided to

the Consent Authority (Manager Compliance) within two weeks of receipt by the consent holder.

11. The concentration of particulate matter less than 10 microns (PM10) in combustion gas discharged from the boiler emission stacks, measured in accordance with Condition 13, and averaged over each emission test, shall not exceed 150 milligrams per cubic metre adjusted to 0 degrees Celsius, 101.3 kilopascals, and 8.5 percent oxygen on a dry gas basis.
12. The combined mass emission rate of PM10 from all boilers, measured in accordance with Condition 13, shall not exceed 1 kilogram per hour.
13.
 - a) The concentration of PM10 in combustion gas discharged from both boiler emission stacks shall be measured at least once every 12 months; [T]
 - b) Each test sampling shall occur when the contributing boiler is operated at greater than 75 percent of maximum output. The method of sampling and analysis for PM10 shall be USEPA Method 201A or an equivalent method as agreed in writing by the consent holder and the Consent Authority (Manager Compliance);
 - c) Sampling results shall be adjusted to 0 degrees Celsius, dry gas basis, 101.3 kilopascals, 8.5 percent oxygen, and as a mass emission expressed as kilograms per hour;
 - d) The results shall include a description of the method used, the approximate rate of fuel consumption during testing and any assumptions made;
 - e) The organisation performing the testing shall be currently accredited under ISO 17025 to undertake the method used to perform the testing;
 - f) A copy of the test results shall be provided to the Consent Authority (Manager Compliance) within 10 working days of receipt by the consent holder.
14. There shall be no discharge of odour or particulate matter as a result of the exercise of this permit that is noxious, dangerous, offensive or objectionable to the extent that it causes an adverse effect beyond the boundary of the property in the opinion of an authorised enforcement officer of the Consent Authority.
15. A record of all complaints relating to odour, smoke or particulate matter caused by the boiler discharge shall be maintained, and shall include:
 - a) the location where the odour or particulate matter was detected by the complainant;
 - b) the date and time when the odour or particulate matter was detected;
 - c) a description of the wind speed and wind direction when the odour or particulate matter was detected by the complainant;
 - d) the most likely cause of the odour or particulate matter detected; and
 - e) any corrective action undertaken by the consent holder to avoid, remedy or mitigate the odour or particulate matter detected by the complainant.

This record shall be provided to the Hawke's Bay Regional Council on request.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent pursuant to sections 128, 129, 130, 131 and 132 of the Resource Management Act 1991. The actual and reasonable costs of any review

undertaken will be charged to the consent holder, in accordance with section 36(1) of the Resource Management Act 1991.

Times of service of notice of any review: During the month of May in any year.

- Purposes of review:
- (a) Determining whether the conditions of this permit are adequate to deal with any adverse effect on the environment which may arise from the exercise of the permit and which it is appropriate to deal with at a later stage, or which become evident after the date of commencement of the permit; or
 - (b) Ensuring the conditions of this consent are consistent with any National Environmental Standards; or
 - (c) Including any monitoring programme to be undertaken or discontinued; or
 - (d) Requiring the consent holder to adopt the best practicable option to remove or reduce any adverse effect on the environment arising as a result of the exercise of this permit.

REASONS FOR DECISION

The activity will have minor actual or potential adverse effects on the environment and is not contrary to any relevant plans or policies. The activity is also consistent with the purpose and principles of the Resource Management Act 1991.

MONITORING NOTE

Routine monitoring

Routine monitoring inspections will be undertaken by Council officers at a frequency of no more than twice every year to check compliance with the conditions of the consent. The costs of **any** routine monitoring will be charged to the consent holder in accordance with the Council's Annual Plan of the time.

Non-routine monitoring

"Non routine" monitoring will be undertaken if there is cause to consider (e.g. following a complaint from the public, or routine monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine monitoring will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act 1991 which states:

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on, by or on behalf of that person, whether or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10A, or section 20.

Consent Impact Monitoring

In accordance with section 36 of the Resource Management Act 1991 (which includes the requirement to consult with the consent holder) the Council may levy additional charges for the cost of monitoring the environmental effects of this consent, either in isolation or in combination with other nearby consents. Any such charge would generally be set through the Council's Annual Plan process.

DEBT RECOVERY

It is agreed by the consent holder that it is a term of the granting of this resource consent that all costs incurred by the Council for, and incidental to, the collection of any debt relating to the monitoring of this resource consent shall be borne by the consent holder as a debt due to the Council, and for that purpose the Council reserves the right to produce this document in support of any claim for recovery.

CONSENT HISTORY

Consent No. (Version)	Date	Event	Relevant Rule	
			Number	Plan
DP100552A	05/04/2011	Consent initially granted	28	Regional Resource Management Plan (2006) incorporating Plan Change 2



RESOURCE CONSENT

Discharge Permit

In accordance with the provisions of the Resource Management Act 1991, and subject to the attached conditions, Hawke's Bay Regional Council (the Council) grants a resource consent for a controlled activity to:

Wairoa Timber Processors Ltd

C/- Clyde Lumber Ltd
Carroll Street
WAIROA

To divert and discharge stormwater from an industrial and trade premise of 2.7 hectares, that includes a timber drying plant, to the Wairoa River.

LOCATION

Address of site: 2-14 Crarer Street, Wairoa
Legal description: Section 1, SO 10205 Block II Clyde Survey District
Map reference: 2892097 6232366

CONSENT DURATION

This consent is granted for a period expiring on 31 May 2022.

LAPSING OF CONSENT

This consent shall lapse in accordance with s.125 on 31 May 2008 if it is not exercised before that date.

Helen Codlin
Manager Regulation
ENVIRONMENTAL MANAGEMENT GROUP
Under authority delegated by Hawke's Bay Regional Council.
21 December 2006

Standards and Terms of the Controlled Activity (Rule 43)

All reasonable measures shall be taken to ensure that the discharge is unlikely to give rise to all or any of the following effects in any receiving water after reasonable mixing:

- (i) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
- (ii) any conspicuous change in the colour or visual clarity;
- (iii) any emission of objectionable odour;
- (iv) the rendering of fresh water unsuitable for consumption by farm animals;
- (v) any significant adverse effects on aquatic life.

Conditions Relating to Matters Over Which the Council has Retained Control or Restricted its Discretion

1. The consent holder shall undertake all operations in accordance with the following documents provided in support of the application.
 - a) The stormwater treatment design Plan 1, submitted with the application and attached.
 - b) The stormwater treatment design Plan 2, submitted with the application and attached.

If a conflict arises between any conditions of this consent and the application, the conditions of this consent will prevail.

2. All works and structures relating to this resource consent shall be designed and constructed to conform to the best engineering practices and at all times maintained to a safe and serviceable standard.
3. All first flush stormwater (one third of the 2 year annual return interval) from non roofed hard paved areas on the site shall be collected and treated via a wetland prior to discharge to the Wairoa River.
4. The wetland built in accordance with Condition 3, shall be lined with clay, and designed to achieve a 75% reduction in total suspended solids within the site stormwater, prior to discharge offsite.
5. All site stormwater shall be discharged into the existing west boundary drain at a maximum rate of 1 litre/second for events with a return period of 2 years or less, and 3 litres/second with a return period between 2 and 10 years.
6. The stormwater outlet drain shall be designed to prevent erosion and, or scour around the outlet.
7. No other waste associated with the timber processing operation shall be discharged into the stormwater system.
8. An emergency shutoff valve shall be available at the outlet drain capable of preventing stormwater from being discharged off the site.

9. A sign shall stay erected and at all times maintained adjacent to the shutoff valve required by conditions of this consent, and shall provide clear instructions on the use of the shutoff valve should a spill occur on the industrial site.

REVIEW OF CONSENT CONDITIONS BY THE COUNCIL

The Council may review conditions of this consent pursuant to sections 128, 129, 130, 131 and 132 of the Resource Management Act 1991. The actual and reasonable costs of any review undertaken will be charged to the consent holder, in accordance with s.36(1) of the Resource Management Act.

Times of service of notice of any review: During the month of May in any year.

Purposes of review:

- To deal with any adverse effect on the environment that may arise from the exercise of this consent, which it is appropriate to deal with at that time or which became evident after the date of issue.
- To require the adoption of the best practicable option to remove or reduce any effects on the environment.
- To modify any monitoring programme, or to require additional monitoring if there is evidence that current monitoring requirements are inappropriate or inadequate.

REASONS FOR DECISION

The reasons for granting the consent, including the plans, policies and any other statutory provisions that were considered, are in the application report enclosed with this document. Specific reasons for each condition of this consent are set out in Appendix 1.

MONITORING NOTE

Routine monitoring

Routine monitoring inspections will be undertaken by Council officers at a frequency of no more than once every year to check compliance with the conditions of the consent. The costs of any routine monitoring will be charged to the consent holder in accordance with the Council's Annual Plan of the time.

Non-routine monitoring

"Non routine" monitoring will be undertaken if there is cause to consider (e.g. following a complaint from the public, or routine monitoring) that the consent holder is in breach of the conditions of this consent. The cost of non-routine monitoring will be charged to the consent holder in the event that non-compliance with conditions is determined, or if the consent holder is deemed not to be fulfilling the obligations specified in section 17(1) of the Resource Management Act 1991 (RMA) shown below.

Section 17(1) of the RMA 1991 states:

Every person has a duty to avoid, remedy, or mitigate any adverse effect on the environment arising from an activity carried on, by or on behalf of that person, whether

Consent No. DP060565W

or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10A, or section 20.

Consent Impact Monitoring

In accordance with section 36 of the RMA (which includes the requirement to consult with the consent holder) the Council may levy additional charges for the cost of monitoring the environmental effects of this consent, either in isolation or in combination with other nearby consents. Any such charge would generally be set through the Council's Annual Plan process.

DEBT RECOVERY

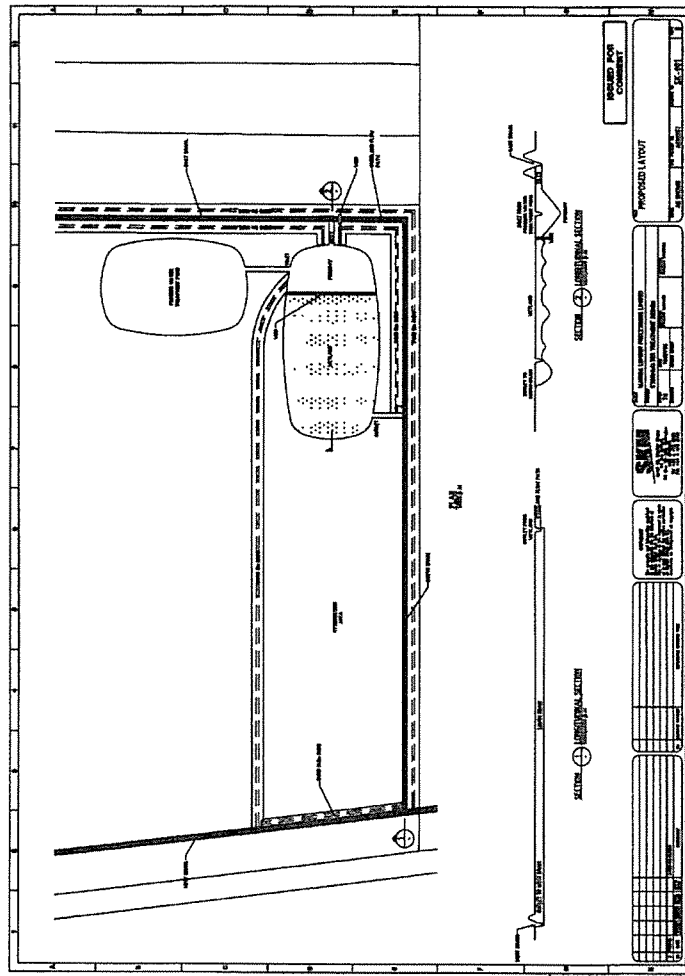
It is agreed by the consent holder that it is a term of the granting of this resource consent that all costs incurred by the Hawke's Bay Regional Council for, and incidental to, the collection of any debt relating to the monitoring of this resource consent shall be borne by the consent holder as a debt due to the Council, and for that purpose the Council reserves the right to produce this document in support of any claim for recovery.

CONSENT HISTORY

Consent No. (Version)	Date	Event	Relevant Rule Number	Plan
DP060565W	21/12/06	Consent initially granted	43	Regional Resource Management Plan

Wairoa Timber Processors Limited: Application for Resource Consents (Air & Stormwater) November 2005

SKM



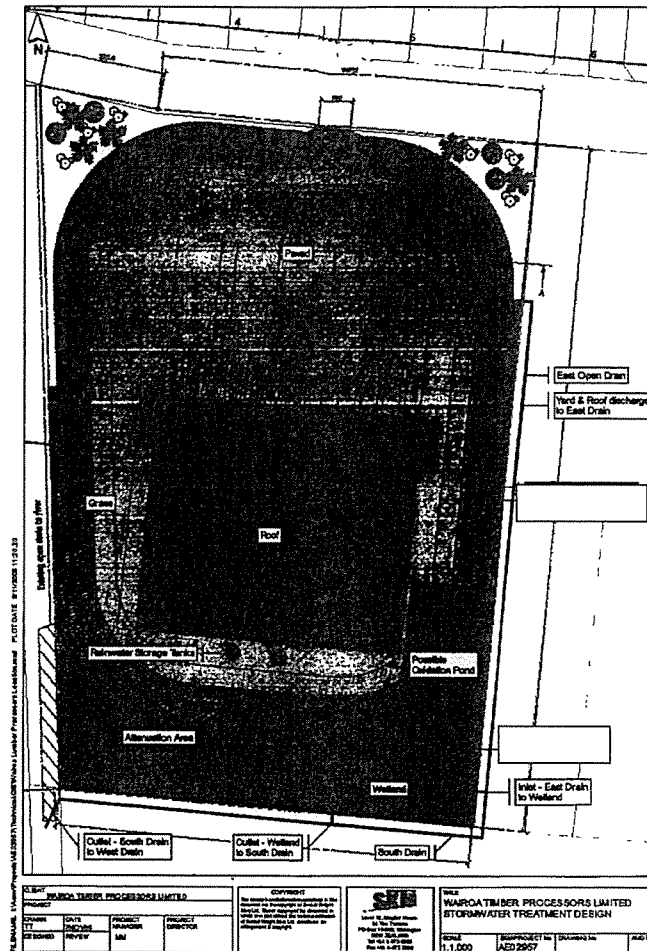
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PAGE 2

Wairoa Timber Processors Limited: Application for Resource Consents (Air & Stormwater) November 2006

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PAGE 1

APPENDIX 1: CONSENT CONDITION ANALYSIS

Comment [LH1]: Remember to check your cross references to condition numbers

CONDITION No.	CONDITION TITLE	DETERMINATION OF COMPLIANCE	REASONS FOR CONDITION	Reason for Limit
1.	In accordance with the application	Inspection by Council officers	The actual and potential effects of the discharge were assessed on the basis of the activity applied for. Should a different activity be undertaken, there might be unforeseen adverse effects.	N/A
2.	Best engineering practice	Inspection by Council officers	The proper construction of the stormwater system will ensure effects of the discharge are minor.	N/A
3.	First flush water treatment	Inspection by Council officers	1/3 of the 2 year ARI will ensure that at least 75% of TSS are removed from the stormwater.	In accordance with ARC's Technical Publication 10.
4.	Reduction of suspended solids	Inspection/testing by Council officers	Removal of 75% TSS provides sufficient residence time to effectively remove metals, hydrocarbons, microbiological contaminants and nutrients.	In accordance with ARC's Technical Publication 10.
5.	Discharge rate	Inspection/testing by Council officers	A discharge rate of 1 litre/second for 2 year events, and 3 litres/second for 10 year events will avoid the potential for downstream flooding.	These discharge rates have been calculated as the discharge rate from the site prior to development.
6.	Outlet drain design	Inspection by Council officers	In high stormwater flows erosion and scour may occur around the outlet drain.	N/A
7.	Other waste associated with timber processing	Inspection by Council officers	Discharge of other contaminants into the stormwater system has the potential to cause contamination of down stream water	As applied for

CONDITION No.	CONDITION TITLE	DETERMINATION OF COMPLIANCE	REASONS FOR CONDITION	Reason for Limit
			bodies.	
8.	Emergency shut off valve	Inspection by Council officers	If a hazardous substance, or significant volumes of a non-hazardous substance are spilled in an area contributing to stormwater, it has the potential to contaminate the downstream water bodies. The shut off valve will mitigate this potential contamination.	N/A
9.	Signage for shut-off valve	Inspection by Council officers	Signage needs to be on-site to direct personnel who may not be aware of methods of operating the shut off valve.	N/A