

Compliance Monitoring Report

Consent Holder	Wairoa Timber Processors Limited	Consent No	DP100552A
Client Address	PO Box 34 Wairoa 4160	Site Address	2 - 14 Crarer Street, Wairoa
Contact Name	Mike Pollock	Phone	(06) 838 4439
Job Code	527099	Mobile	027 279 2620
		Consent Type	Discharge Permit

Activity Description:

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

09-Oct-12	Monitoring Inspection	Officer	Jim May
17-Oct-12	Monitoring Report Sent	Officer	Barbara McKenzie
11-Dec-12	Incident Inspection	Officer	Jim May

2012-2013 Statement of Compliance and Overall Grades:

Grade Date	16-Oct-12
Environmental Grade	Compliance
Technical Grade	Compliance

Overall Comments:

Condition 9 will be assessed when a Ringlemann test has been conducted. Full compliance has been achieved with all other conditions.

Previous Statement of Compliance and Overall Grades:

Grade Date	03-Oct-12
Environmental Grade	Compliance
Technical Grade	Compliance

Overall Comments:

Council has received a copy of the Management Plan. Full compliance with the conditions has been achieved.

Refer to back page for grading information

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
1	Environmental	This permit shall not commence until Discharge Permit DP060564A has been surrendered or expires.
	Compliance	03-Jul-12 DP060564A expired in May 2011.
		This condition is now historical.
	Not applicable	16-Oct-12 This condition is now historical.
2	Technical	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

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
		maintained to a safe and serviceable standard.
	Compliance	03-Jul-12 Observed to be the case.
	Compliance	16-Oct-12 The Morrow boiler is in good operating condition. The Fogarty boiler is being dismantled and will be removed from site.
3	Technical	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.
	Compliance	03-Jul-12 Only wood is burnt and the output is not more than 6.4 megawatts.
	Compliance	16-Oct-12 The Morrow boiler is fuelled by wood only.
4	Environmental	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.
	Compliance	03-Jul-12
	Compliance	16-Oct-12 When the Fogarty boiler is removed, the second chimney will be removed also. There has not been any change to the height of the Morrow Boiler stack.
5	Environmental	Wood burned in the boilers shall be untreated or contaminated with any chemicals.
	Compliance	03-Jul-12 Informed to be the case.
	Compliance	16-Oct-12 Observed to be the case.
6	Environmental	The combined coal burning rate shall not exceed 360 kilograms per hour and 15 percent of the boiler fuel load.
	Not applicable	03-Jul-12 Coal is not burnt.
	Not applicable	16-Oct-12 Coal is not used as a fuel.
7	Environmental	The sulphur content of coal burned in the boilers shall not exceed 0.25 percent by weight.
	Not applicable	03-Jul-12 Coal is not burnt.

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
	Not applicable	16-Oct-12 Coal is not used.
8	Technical	<p>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):</p> <p>a) day-to-day management requirements;</p> <p>b) named staff members responsible for ensuring consent compliance, servicing and maintenance; and</p> <p>c) contingency measures in the event of malfunction.</p> <p>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.</p>
	Non Compliance	03-Jul-12 Council has not received a copy of this plan.
	Compliance	03-Oct-12 Council has received a copy of the site management plan as required by this condition.
	Compliance	16-Oct-12 Council has received a copy of this plan.
9	Environmental	<p>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:</p> <p>a) a cold start, for a period not exceeding 30 minutes in the first hour of operation, and</p> <p>b) for a period not exceeding a total of four minutes in each succeeding hour of operation.</p>
	Unable to be assessed	03-Jul-12 Council will conduct this test during the next site audit, to confirm compliance with this requirement.
	Unable to be assessed	16-Oct-12 <p>While visually the discharge is difficult to identify when the plant is operating, Council has recently supplied a copy of the Ringelmann method and testing charts.</p> <p>The consent holder will be required to complete the test before the next site visit.</p>
10	Technical	<p>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.</p>

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
	Compliance	03-Jul-12 The boilers have been serviced.
	Compliance	16-Oct-12 The boiler is well maintained.
11	Environmental	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.
	Compliance	03-Jul-12 Council received this report in February 2012.
	Compliance	16-Oct-12 The January 2012 report confirms compliance with this condition.
12	Environmental	The combined mass emission rate of PM10 from all boilers, measured in accordance with Condition 13, shall not exceed 1 kilogram per hour.
	Compliance	03-Jul-12 Council received this report in February 2012.
	Compliance	16-Oct-12 The January 2012 report confirms compliance with this condition.
13	Technical	<p>a) The concentration of PM10 in combustion gas discharged from both boiler emission stacks shall be measured at least once every 12 months;</p> <p>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);</p> <p>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;</p> <p>d) The results shall include a description of the method used, the approximate rate of fuel consumption during testing and any assumptions made;</p> <p>e) The organisation performing the testing shall be currently accredited under ISO 17025 to undertake the method used to perform the testing;</p> <p>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.</p>
	Compliance	03-Jul-12 Council received this report in February 2012.
	Compliance	16-Oct-12 The January 2012 report confirms compliance with this condition.

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
14	Environmental	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.
	Compliance	03-Jul-12 Council has not received any odour or particulate complaints for this site.
	Compliance	16-Oct-12 There have not been any complaints for odour or particulate matter beyond the site boundary.
15	Technical	A record of all complaints relating to odour, smoke or particulate matter caused by the boiler discharge shall be maintained, and shall include: <ul style="list-style-type: none"> 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. <p>This record shall be provided to the Hawke's Bay Regional Council on request.</p>
	Compliance	03-Jul-12 While there have not been any complaints received, the consent holder is aware of this requirement.
	Compliance	16-Oct-12 Although the site has a complaints system, there have not been any complaints.

Grading Information

Each consent condition has been classified as either a Environmental or Technical condition.

Environmental conditions:

Environmental conditions set standards/performance limits for a resource consent, or, mitigates an environmental impact of exercising a resource consent.

Examples of environmental conditions are:

- Installation of up-gradient cut-off drains/ placement of disposal fields
- volume limits of discharges
- water take rates and maximum volumes
- discharge or receiving water contaminant limits

Technical conditions:

Technical conditions sets out technical requirements that allows a consent holder to demonstrate or measure that they meet the Environmental performance required by a resource consent, or help specify the activity authorised.

Examples of technical conditions are:

- sampling effluent/ recording discharge volumes / collating submitting data
- providing of reports/ plans/ designs specifications
- notifications, accreditation, authorities submissions for approval by ER Manager
- installation and maintenance of a water meter

You need to comply with all conditions regardless of whether it's a Environmental or Technical condition.

Compliance Monitoring Report

Consent Holder	Wairoa Timber Processors Limited	Consent No	DP060565W
Client Address	PO Box 34 Wairoa 4160	Site Address	2 - 14 Crarer Street, Wairoa
Contact Name	Mike Pollock	Phone	(06) 8384439
Job Code	527099	Mobile	027 279 2620
		Consent Type	Discharge Permit

Activity Description:

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.

06-Apr-11	Monitoring Inspection	Officer	Jim May
25-May-11	Monitoring Report Sent	Officer	Barbara McKenzie

2010-2011 Statement of Compliance and Overall Grades:

Grade Date	19-May-11
Environmental Grade	Significant Non Compliance
Technical Grade	Not applicable

Overall Comments:

The significant non-compliance identified in this report relates to the wetland not being constructed. It is important that the consent holder have discussions with Wairoa District Council over the use of their sewer line for stormwater discharges. Secondly, either install the wetland as per the application for this consent, or amend the size in conjunction with WDC, or apply to have the consent conditions changed.

Refer to back page for grading information

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
1	Environmental	<p>The consent holder shall undertake all operations in accordance with the following documents provided in support of the application.</p> <p>a) The stormwater treatment design Plan 1, submitted with the application and attached.</p> <p>b) The stormwater treatment design Plan 2, submitted with the application and attached.</p> <p>If a conflict arises between any conditions of this consent and the application, the conditions of this consent will prevail.</p>
Significant Non Compliance		19-May-11
		The wetlands have not been constructed yet. All hardseal stormwater discharges are collected in a sump and then pumped to the Wairoa District Council Tradewaste line.
2	Environmental	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.

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
	Compliance	19-May-11 The structures & pumps in place are compliant with BEP.
3	Environmental	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.
	Significant Non Compliance	19-May-11 The wetlands have not been constructed yet. All hardseal stormwater discharges are collected in a sump and then pumped to the Wairoa District Council Sewer line.
4	Environmental	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.
	Significant Non Compliance	19-May-11 The wetlands have not been constructed yet.
5	Environmental	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.
	Not applicable	19-May-11 The wetlands have not been constructed yet. All hardseal stormwater discharges are collected in a sump and then pumped to the Wairoa District Council Sewer line.
6	Environmental	The stormwater outlet drain shall be designed to prevent erosion and, or scour around the outlet.
	Not applicable	19-May-11 All hardseal stormwater discharges are collected in a sump and then pumped to the Wairoa District Council Sewer line.
7	Environmental	No other waste associated with the timber processing operation shall be discharged into the stormwater system.
	Compliance	19-May-11 Observed to be the case.
8	Environmental	An emergency shutoff valve shall be available at the outlet drain capable of preventing stormwater from being discharged off the site.
	Compliance	19-May-11 All hardseal stormwater discharges are collected in a sump and then pumped to the Wairoa District Council Sewer line.
9	Environmental	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

Condition No.	Type of Condition	Consent Condition and Compliance Assessment
		instructions on the use of the shutoff valve should a spill occur on the industrial site.
	Compliance	19-May-11 The pump is used as a "shut-off valve."

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- volume limits of discharges
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Technical conditions sets out technical requirements that allows a consent holder to demonstrate or measure that they meet the Environmental performance required by a resource consent, or help specify the activity authorised.

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