

Department of Environment and Heritage Protection

Permit¹

Environmental Protection Act 1994

Environmental authority

This environmental authority is issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

Permit¹ number: EPPR01932414

Environmental authority takes effect 01st July 2014

The first annual fee is payable within 20 business days of the effective date.

The anniversary date of this environmental authority is the same day each year as the effective date. An annual return and the payment of the annual fee which is currently \$19,422.50 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Timber Milling Services Pty Ltd	24 Kensington Road BONDOOLA QLD 4703

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
47(d) - Timber milling and woodchipping – more than 100000 tonnes in a year	24 Kensington Road BONDOOLA QLD 4703 - Lot 1 Plan MPH3737
46 - Chemically treating timber	

Additional information for applicants

Environmentally relevant activities

The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental authority as to the scale, intensity or manner of carrying out an ERA, then the conditions prevail to the extent of the inconsistency.

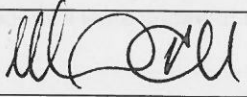
An environmental authority authorises the carrying out of an ERA and does not authorise any environmental harm unless a condition stated by the authority specifically authorises environmental harm.

A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

¹ Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature

Michael Allen
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

30th June 2014.

Date

Enquiries:
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Environmental Services and Heritage
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Obligations under the *Environmental Protection Act 1994*

In addition to the requirements found in the conditions of this environmental authority, the holder must also meet their obligations under the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443)

Conditions of environmental authority

The environmentally relevant activity(ies) conducted at the location as described above must be conducted in accordance with the following site specific conditions of approval.

Agency interest: General	
Condition number	Condition
G1.	Any breach of a condition of this environmental authority must be reported to the administering authority as soon as practicably possible, or at most, within 24 hours of becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions taken.
G2.	All reasonable and practicable measures must be taken to minimise the likelihood of environmental harm being caused.
G3.	Other than as permitted by this environmental authority, the release of a contaminant into the environment must not occur.
G4.	The activity must be undertaken in accordance with written procedures that: • identify potential risks to the environment from the activity during routine operations and emergencies • establish and maintain control measures that minimise the potential for environmental harm • ensure plant, equipment and measures are maintained in a proper and effective condition • ensure plant, equipment and measures are operated in a proper and effective manner • ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i> • ensure that reviews of environmental performance are undertaken at least annually
G5.	All information and records that are required by the conditions of this environmental authority must be kept for a period of at least 5 years and provided to the administering authority upon request.
G6.	An appropriately qualified person(s) must monitor, record and interpret all parameters that are required to be monitored by this environmental authority and in the manner specified by this environmental authority.
G7.	All analysis and tests required under this approval must be carried out by a laboratory that has NATA or equivalent certification for such analysis and tests. The only exception to this condition is for the-situ monitoring (CEMS) of flue gases under condition A5.

G8.	Storage of chemicals and fuels in bulk or in containers of greater than 15 litres must be within a secondary containment system and releases from the containment system controlled in a manner that prevents environmental harm.
Agency interest: Air	
Condition number	Condition
A1.	Notwithstanding any other condition of this development approval no release of contaminants from the approved place is to cause a noxious or offensive odour beyond the boundaries of the approved place.
A2.	The holder of this environmental authority must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that the dust and particulate matter emissions generated by the sawmill activities do not cause exceedances of the following levels when measured at any sensitive or commercial place: • dust deposition of 120 milligrams per square metre per day over a 30-days averaging period, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions); OR • a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 50 micrograms per cubic metre with five days exceedances allowed in any one year period (5 days exceedances per year are based on the natural events such as bushfires and dust storm); When monitored in accordance with: ▪ Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet -Gravimetric method'; or ▪ any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.

A3.

Discharges of contaminants to air must be in accordance with Table 1 - Release points (air) and Table 2 - Contaminant limits (air).

Table 1 - Release points (air)

Release point	Release point description	Minimum release height (metres above ground)	Minimum exit gas temperature (°C)	Minimum efflux velocity (m/s)
RP1	Boiler stack	11	100	15
RP2	CCA timber plant vent	N/A	N/A	N/A

Table 2 - Contaminant limits (air)

Release point	Contaminant	Release limit	Release limit units	Minimum monitoring frequency
RP1	Total Solid Particles	100	mg/Nm ³ (dry) at 7% O ₂	Quarterly for the first two years after commissioning of the sawmill and annually thereafter.
	Oxides of Nitrogen (NO _x)	500	mg/Nm ³ (dry) at 7% O ₂	
	VOC	40	mg/Nm ³ (dry) at 7% O ₂	
RP2	chromium and arsenic	1	mg/Nm ³ (dry)	

A4.	The holder of this environmental authority must conduct a monitoring program of contaminant releases to the atmosphere at the release points for the contaminants specified in Table 2 - Contaminant limits (air) and which complies with the following: • Monitoring provision for the release points listed in Table 2 must comply with the Australian Standard AS 4323.1 - 1995 "Stationary source emissions Method 1: Selection of sampling provisions". • All determinations of contaminant releases to the atmosphere must be made in accordance with the methods prescribed in the Department of Environment and Heritage Protection (EHP) Air Quality Sampling Manual. If monitoring requirements are not described in the EHP's Air Quality Sampling Manual, monitoring protocols must be in accordance with a method as approved by New South Wales, Victorian or United States EPAs. • All air emission stack monitoring must be conducted by an experienced person or body which holds current National Association of Testing Authorities (NATA). • Where practicable samples taken must be representative of the contaminants discharged when emissions are expected to be at maximum rates. • The following tests must be performed for each required determination specified in Table 2: ▪ gas exit velocity and volume flow rate; ▪ exit temperature; ▪ oxygen and water vapour for fuel burning. • During the sampling period the following additional information must be gathered: ▪ plants throughput rate at the time of sampling; ▪ type of fuel burned; ▪ any typical factors that may influence air pollutant emissions; ▪ reference to the actual test methods and accuracy's.
A5.	The holder of this environmental authority must operate and monitor flue gases for oxygen content or opacity at the release point RP1 (as specified in Column 1 of Table 1) using a continuous emissions monitoring system (CEMS).
A6.	The only type of fuel to be burnt in the boiler under normal operating conditions is waste timber. Diesel fuel or natural gas can be used during start up.
A7.	The holder of this environmental authority must use all reasonable and practicable means to ensure that the waste timber which is used as a fuel in the boiler is free from the following contaminants: • plastics • chemicals • putrescible matter • timber that has been coated, treated or contaminated with oil, paints, finishes, chemicals, or any other contaminants • timber chemically treated with a preservative such as CCA.
A8.	The holder of this environmental authority must use all reasonable and practicable means to prevent spontaneous combustion of the timber waste from the stockpile areas.

Agency interest: Water																																																										
Condition number	Condition																																																									
WT1.	Other than as permitted within this authority, contaminants must not be released from the site to any waters or the bed and banks of any waters .																																																									
WT2.	Contaminants must not be released to groundwater.																																																									
WT3.	Contaminants must not be released to surface waters.																																																									
Agency interest: Noise																																																										
Condition number	Condition																																																									
N1.	Noise from the activity must not include substantial low frequency noise components and must not exceed the levels identified in Table 3 – Noise limits and the associated requirements at any nuisance sensitive place or commercial place. Table 3 – Noise limits <table><tr><th rowspan="3">Noise level measured in dB(A)</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sunday and Public Holidays</th></tr><tr><th>7am-6pm</th><th>6pm-10pm</th><th>10pm-7am</th><th>9am-6pm</th><th>6pm-10pm</th><th>10pm-9am</th></tr><tr><th colspan="6">Noise measured at a nuisance sensitive place</th></tr><tr><td>L_{Aeq adj, T}</td><td>Background +5</td><td>Background +5</td><td>Background +5</td><td>Background +5</td><td>Background + 3</td><td>Background + 0</td></tr><tr><td>MaxL_{pA, T}</td><td>Background +10</td><td>Background +8</td><td>Background +5</td><td>Background +10</td><td>Background +8</td><td>Background +5</td></tr><tr><th rowspan="3"></th><th colspan="6">Noise measured at a commercial place</th></tr><tr><td>Background +10</td><td>Background +8</td><td>Background +5</td><td>Background +10</td><td>Background +8</td><td>Background +5</td></tr><tr><td>Background +15</td><td>Background +13</td><td>Background +10</td><td>Background +15</td><td>Background +13</td><td>Background +10</td></tr></table> Associated requirements - All monitoring devices must be correctly calibrated and maintained. - Any monitoring must be in accordance with the most recent version of the administering authority's Noise Measurement Manual. - Any monitoring of noise emissions from the activity must be undertaken when the activity is in operation.						Noise level measured in dB(A)	Monday to Saturday			Sunday and Public Holidays			7am-6pm	6pm-10pm	10pm-7am	9am-6pm	6pm-10pm	10pm-9am	Noise measured at a nuisance sensitive place						L_{Aeq adj, T}	Background +5	Background +5	Background +5	Background +5	Background + 3	Background + 0	MaxL_{pA, T}	Background +10	Background +8	Background +5	Background +10	Background +8	Background +5		Noise measured at a commercial place						Background +10	Background +8	Background +5	Background +10	Background +8	Background +5	Background +15	Background +13	Background +10	Background +15	Background +13	Background +10
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	Background +15	Background +13	Background +10	Background +15	Background +13	Background +10																																																				
N2	When required by the administering authority, noise monitoring must be undertaken in accordance with the associated monitoring requirements of Table 1—Noise Limits, and the results notified within 14 days to the administering authority. Monitoring must include: • LAeq, adj, T • Background noise (Background) as LA 90, adj, T • MaxLpA, T • the level and frequency of occurrence of any impulsive or tonal noise • atmospheric conditions including wind speed and direction • effects due to extraneous factors such as traffic noise • location, date and time of recording.																																																									

Agency interest: Land	
Condition number	Condition
L1.	Other than as permitted within this authority, contaminants must not be released from the site to land.
L2.	Contaminants must not be released to land.
L3.	Before surrendering this environmental authority the site must be rehabilitated to achieve a safe, stable, non-polluting landform.
Agency interest: Waste	
Condition number	Condition
WS1.	All waste generated in carrying out the activity must be reused, recycled or removed to a facility that can lawfully accept the waste.
WS2.	Waste must only be removed from the site by a transporter lawfully able to transport it to a place lawfully able to receive it.

Definitions

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Definitions¹

Activity means the environmentally relevant activities, whether resource activities or prescribed activities, to which the environmental authority relates.

Administering authority means the Department of Environment and Heritage Protection or its successor or predecessors.

Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

Background means noise, measured in the absence of the noise under investigation, as $L_{A90,T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than 15 minutes, using Fast response.

Boundary means within 1m of the cadastral **boundary** of the approved place.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Environmental nuisance as defined under Chapter 1 of the *Environmental Protection Act 1994*.

Environmental value as defined under Chapter 1 of the *Environmental Protection Act 1994*. $L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level **measures** on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the **activity** is causing a steady state noise, and no shorter than 1 hour when the approved **activity** is causing an intermittent noise.

General waste means waste other than regulated waste.

$L_{Aeq\ adj,T}$ means the adjusted A weighted equivalent continuous sound pressure level measures on fast response, adjusted for tonality and impulsiveness, during the time period T, where T is measured for a period no less than 15 minutes when the activity is causing a steady state noise, and no shorter than one hour when the approved activity is causing an intermittent noise.

Max $L_{pA,T}$ means the maximum A-weighted sound pressure level measured over a time period T of not less than 15 minutes, using Fast response.

Measures has the broadest interpretation and includes plant, equipment, physical objects, monitoring, procedures, actions, directions and competency.

NATA means National Association of Testing Authorities.

Offensive means causing offence or displeasure; is unreasonably disagreeable to the sense; disgusting, nauseous or repulsive.

MSB

Prescribed contaminants means contaminants listed within Schedule 9 of the Environmental Protection Regulation 2008.

Release of a contaminant into the environment means to:

1. deposit, discharge, emit or disturb the contaminant; and
2. cause or allow the contaminant to be deposited, discharged, emitted or disturbed; and
3. fail to prevent the contaminant from being deposited, discharged emitted or disturbed; and
4. allow the contaminant to escape; and
5. fail to prevent the contaminant from escaping.

Sensitive place includes the following and includes a place within the curtilage of such a place reasonably used by persons at that place:

1. a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
2. a motel, hotel or hostel; or
3. a kindergarten, school, university or other educational institution; or
4. a medical centre or hospital; or
5. a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
6. a public thoroughfare, park or gardens; or
7. for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2008.

Substantial low frequency noise means a noise emission that has an unbalanced frequency spectrum shown in a one-third octave band measurements, with a predominant component within the frequency range 10 to 200 Hz. It includes any noise emission likely to cause an overall sound pressure level at a noise sensitive place exceeding 55 dB(Z).

Vibration is the oscillating or periodic motion of a particle, group of particles, or solid object about its equilibrium position.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part thereof.

You means the holder of the environmental authority.

END OF PERMIT

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