Environment Protection Licence

Licence - 10232

Licence Details	
Number:	10232
Anniversary Date:	30-June

Licensee

VISY PULP AND PAPER PTY LTD

PO BOX 98

TUMUT NSW 2720

Premises

VISY PULP & PAPER PTY LTD

1302 SNOWY MOUNTAINS HIGHWAY

TUMUT NSW 2720

Scheduled Activity

Paper or pulp production

Fee Based Activity	Scale
Paper or pulp production	> 150000 T annual production capacity

Contact Us

NSW EPA

6 Parramatta Square

10 Darcy Street

PARRAMATTA NSW 2150

Phone: 131 555

Email: info@epa.nsw.gov.au

Locked Bag 5022

PARRAMATTA NSW 2124

Environment Protection Licence

Licence - 10232

Environment Protection Licence

Licence - 10232

Environment Protection Licence

Licence - 10232

Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 ("the Act") and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

Environment Protection Licence

The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

VISY PULP AND PAPER PTY LTD
PO BOX 98
TUMUT NSW 2720

subject to the conditions which follow.

Environment Protection Licence

Licence - 10232

1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Paper or pulp production	Paper or pulp production	> 150000 T annual production capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
VISY PULP & PAPER PTY LTD
1302 SNOWY MOUNTAINS HIGHWAY
TUMUT
NSW 2720
LOT 1 DP 45454, LOT 2 DP 45454, LOT 8 DP 113036, LOT 9 DP 113036, LOT 1 DP 120724, LOT 1 DP 134634, LOT 2 DP 134634, LOT 3 DP 134634, LOT 4 DP 256920, LOT 1 DP 403328, LOT 1 DP 415843, LOT 2 DP 415843, LOT 2 DP 531481, LOT 2 DP 598661, LOT 9 DP 668538, LOT 173 DP 729525, LOT 100 DP 757220, LOT 101 DP 757220, LOT 102 DP 757220, LOT 109 DP 757220, LOT 112 DP 757220, LOT 113 DP 757220, LOT 114 DP 757220, LOT 115 DP 757220, LOT 116 DP 757220, LOT 117 DP 757220, LOT 118 DP 757220, LOT 119 DP 757220, LOT 130 DP 757220, LOT 131 DP 757220, LOT 132 DP 757220, LOT 159 DP 757220, LOT 203 DP 757220, LOT 204 DP 757220, LOT 209 DP 757220, LOT 224 DP 757220, LOT 225 DP 757220, LOT 255 DP 757220, LOT 278 DP 757220, LOT 5 DP 757228, LOT 12 DP 757228, LOT 14 DP 757228, LOT 19 DP 757228, LOT 42 DP 757228, LOT 57 DP 757228, LOT 61 DP 757228, LOT 62 DP 757228, LOT 63 DP 757228, LOT 64 DP 757228, LOT 76 DP 757228, LOT 84 DP 757228, LOT 91 DP 757228, LOT 92 DP 757228, LOT 93 DP 757228, LOT 94 DP 757228, LOT 103 DP 757228, LOT 105 DP 757228, LOT 106 DP 757228, LOT 107 DP 757228, LOT 109 DP 757228, LOT 115 DP 757228, LOT 116 DP 757228, LOT 117 DP 757228, LOT 118 DP 757228, LOT 119 DP 757228, LOT 138 DP 757228, LOT 172 DP 757228, LOT 211 DP 757252, LOT 219 DP 757252, LOT 220 DP 757252, LOT 221 DP 757252, LOT 222 DP 757252, LOT 223 DP 757252, LOT 224 DP 757252, LOT 229 DP 757252, LOT 230 DP 757252, LOT 235 DP 757252, LOT 4 DP 793196, LOT 1 DP 832090, LOT 4 DP 1004478, LOT 102 DP 1035564, LOT 103 DP 1035564, LOT 15 DP 1035849, LOT 1 DP 1082770

Environment Protection Licence

A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:
a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	Main Stack 1 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
2	Discharge to Air		Recovery Boiler A as outlined in DOC22/252324 provided to the EPA on 30 March 2022
3	Discharge to Air		Power Boiler as outlined in DOC22/252324 provided to the EPA on 30 March 2022
4	Discharge to Air		Lime Kiln A as outlined in DOC22/252324 provided to the EPA on 30 March 2022
16	Fly Ash Quality Monitoring		Power Boiler - Fly Ash discharge as outlined in DOC22/252324 on 30 March 2022
17	Bottom Ash Quality Monitoring		Power Boiler - Bottom ash discharge as outlined in DOC22/252324 to the EPA on 30 March 2022
18	Fuel Quality Monitoring		Power Boiler - Fuel Bins as outlined in DOC22/252324 provided to the EPA on 30 March 2022
19	Discharge to Air		Power Boiler - Discharge duct as outlined in DOC22/252324 provided to the EPA on 30 March 2022
20	Fluidized Bed Sand Quality Monitoring		Fluidised bed sand storage bin - as outlined in DOC22/252324 provided to the EPA on 30 March 2022
21	Discharge to Air		Lime Kiln B as outlined in DOC22/252324 provided to the EPA on 30 March 2022
22	Discharge to Air	Discharge to Air	Main Stack 2 as outlined in DOC22/252324 provided to the EPA on 30 March 2022

Environment Protection Licence

P1.2 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

P1.3 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
9	Wet weather discharge Volume Monitoring	Wet weather discharge Volume Monitoring	Outlet pipe from the 480 ML storage pond into Sandy Creek as outlined in DOC22/252324 provided to the EPA on 30 March 2022
10	Effluent quality monitoring Volume Monitoring	Effluent quality monitoring Volume Monitoring	Decant line from the sequencing batch reactor as outlined in DOC22/252324 provided to the EPA on 30 March 2022
11	Water quality monitoring		Sandy Creek, upstream of overflow discharge point as outlined in DOC22/252324 provided to the EPA on 30 March 2022
12	Water quality monitoring		Sandy Creek, downstream of overflow discharge point as outlined in DOC22/252324 provided to the EPA on 30 March 2022
25	Soil quality monitoring		SMS 1 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
26	Soil quality monitoring		SMS 2 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
27	Soil quality monitoring		SMS 3 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
28	Soil quality monitoring		SMS 4 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
29	Soil quality monitoring		SMS 5 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
30	Soil quality monitoring		SMS 6 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
31	Soil quality monitoring		SMS 7 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
32	Groundwater quality monitoring		BH2 as outlined in DOC22/252324 provided to the EPA on 30 March 2022

33	Groundwater quality monitoring	BH3 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
34	Groundwater quality monitoring	BH7S as outlined in DOC22/252324 provided to the EPA on 30 March 2022
35	Groundwater quality monitoring	BH7D as outlined in DOC22/252324 provided to the EPA on 30 March 2022
36	Groundwater quality monitoring	BH8S as outlined in DOC22/252324 provided to the EPA on 30 March 2022
37	Groundwater quality monitoring	BH8D as outlined in DOC22/252324 provided to the EPA on 30 March 2022
38	Groundwater quality monitoring	BH9 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
39	Groundwater quality monitoring	BH10D as outlined in DOC22/252324 provided to the EPA on 30 March 2022
40	Groundwater quality monitoring	BH11S as outlined in DOC22/252324 provided to the EPA on 30 March 2022
41	Groundwater quality monitoring	BH11D as outlined in DOC22/252324 provided to the EPA on 30 March 2022
42	Groundwater quality monitoring	BH13 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
43	Groundwater quality monitoring	BH14 as outlined in DOC22/252324 provided to the EPA on 30 March 2022
44	Groundwater quality monitoring	BH15S as outlined in DOC22/252324 provided to the EPA on 30 March 2022
45	Groundwater quality monitoring	BH15D as outlined in DOC22/252324 provided to the EPA on 30 March 2022
46	Groundwater quality monitoring	BH1 as outlined in DOC22/252324 provided to the EPA on 30 March 2022

P1.4 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.

Noise/Weather

EPA identification no.	Type of monitoring point	Location description
23	Meteorological Station	Weather Station on top of Recover Boiler B building as outlined in DOC22/252324 provided to the EPA on 30 March 2022

24	Meteorological Station	Weather Station south east of mill as outlined in DOC22/252324 provided to the EPA on 30 March 2022

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.

L2 Load limits

L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.

L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
BOD (Enclosed Water)	20300.00
Coarse Particulates (Air)	65000.00
Fine Particulates (Air)	100000.00
Nitrogen (total) (Enclosed Water)	4600.00
Nitrogen Oxides (Air)	900000.00
Phosphorus (total) (Enclosed Water)	800.00
Salt (Enclosed Water)	500000.00
Total suspended solids (Enclosed Water)	30500.00
Zinc (Enclosed Water)	180.00

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

L3 Concentration limits

L3.1 For each monitoring/discharge point or utilisation area specified in the table/s below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

Environment Protection Licence

L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\s.

L3.4 Air Concentration Limits

POINT 1,22

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	400			
TCDD (equivalent)	nanograms per cubic metre	0.1			
TRS (as H2S)	milligrams per cubic metre	3.6			
Chlorine	milligrams per cubic metre	100			
Total Solid Particles	milligrams per cubic metre	50			
Sulfur dioxide	milligrams per cubic metre	250			
Opacity	percent Opacity	20			
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	20			
Hydrogen chloride	milligrams per cubic metre	50			
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	1			

POINT 3

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Dioxins & Furans	nanograms per cubic metre	0.1			
Mercury	milligrams per cubic metre	0.06			
Solid Particles	milligrams per cubic metre	30			
Carbon monoxide	milligrams per cubic metre	140			
Hazardous substances	milligrams per cubic metre	0.6			
Cadmium	milligrams per cubic metre	0.06			

L3.5 The limits detailed for Point 3 are only applicable when non-standard fuel is being burnt in the power boiler.

L3.6 Water and/or Land Concentration Limits

POINT 9

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
BOD	milligrams per litre				40
Nitrogen (total)	milligrams per litre				20
Oil and Grease	milligrams per litre				5
pH	pH				5.5 - 9.5
Phosphorus (total)	milligrams per litre				5
Total suspended solids	milligrams per litre				45

POINT 10

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
BOD	milligrams per litre				40
Nitrogen (total)	milligrams per litre				20
Oil and Grease	milligrams per litre				5
pH	pH				5.5 - 9.5
Phosphorus (total)	milligrams per litre				5
Total suspended solids	milligrams per litre				45

L3.7 **Averaging Periods:**

The averaging period applicable for pollutants emitted to the air are as detailed below:

Pollutant	Averaging period
TRS (as H2S)	1 hour
SO2	1 hour
HCl	1 hour
Nitrogen Oxides (as NO2)	1 hour
Opacity	6 minutes
Solid particles	24 hours
CO	1 hour
All other pollutants	As per test methods specified in Clauses M2 and M3

Note: **Reference conditions**

Unless otherwise specified by the EPA, the reference condition for Points 1,3 and 22 are
Dry 273 0K, 101.3 kPA, 8% O2

L4 Volume and mass limits

L4.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
a) liquids discharged to water; or;
b) solids or liquids applied to the area;
must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
9	kilolitres per day	3000
10	kilolitres per day	16000

L4.2 For each discharge point specified below (by a point number), the volume of emissions to air must not exceed the volume limit specified for that discharge point.

Point	Units of Measure	90 percentile volume limit	100 percentile volume limit
1	Nm3/s	90.5	100

L5 Waste

L5.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled “Waste” and meeting the definition, if any, in the column titled “Description” in the table below.

Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled “Activity” in the table below.
Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled “Other Limits” in the table below.
This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	Wood waste	Biomaterial from forestry operations and sawmill residue including uncontaminated organic fibrous wood residues and natural wood waste. This does not include native forest biomaterial as defined by the Protection of the Environment Operations (General) Regulation	As specified in each particular resource recovery exemption	NA

L5.2 The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, excluding the following:

(a) Waste paper or cardboard for reprocessing into recycled paper;
(b) Wood residues for pulping;
(c) Standard fuels;
(d) Non-standard fuels.

Note: For the purposes of Condition L5.2, the following definitions apply:
Standard Fuels - Natural gas; and untreated and uncontaminated timber, timber off-cuts and residues from sawmills and forestry operations.
Non-Standard Fuels - Any wood or plant based fuel that does not meet the criteria for Standard Fuels.

L6 Noise limits

L6.1 Noise from the premises must not exceed the sound pressure level (noise) limits presented in the table below. Note: the limits represent the sound pressure level (noise) contribution, at the nominated receiver locations in the table.

Location	Day LAeq (15 minute)	Evening LAeq (15 minute)	Night LAeq (15 minute)	Night LAmax
"Pleasant View" (*)	40	40	40	45
'"Deep Creek" (*)	39	39	39	45
"Reka" and "Glengarry" (*)	36	36	36	45

Any other residence	35	35	35	45

Note: For the purpose of the above condition L6.1 (*) refers to Residences identified in "Visy Pulp and Paper, Proposed Mill Expansion Tumut NSW, final Environmental Assessment" dated January 2007.

L6.2 For the purpose of Condition L6.1 above

Day is defined as 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays;

Evening is defined as 6pm to 10pm on day day; and

Night is defined as 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays.

L6.3 Noise-enhancing meteorological conditions

a) The noise limits set out in Condition 6.1 apply under the following meteorological conditions:

i) Assessment period: Day; meteorological conditions: Stability Categories A, B, C, D and E with wind speeds up to and including 3m/s at 10m above ground level.

b) For those meteorological conditions not referred to in Condition 6.3(a), the noise limits that apply are the noise limits in Condition 6.1 plus 5dB.

L6.4 For the purposes of condition L6.3:

a) The meteorological conditions are to be determined from meteorological data obtained from the meteorological weather station identified as Bureau of Meteorology AWS at Tumut, NSW,

b) Stability category shall be determined using the 'Pasquill-Gifford stability classification scheme' method from section D1.3.1 of Fact Sheet D of the Noise Policy for Industry (NSW EPA, 2017).

L6.5 To assess compliance:

a) With the LAeq(15minute) or the LAmax noise limits in conditions L6.1 and L6.3, the noise measurement equipment must be located:

i) Approximately on the property boundary, where any residence is situated 30 metres or less from the property boundary closest to the premises, or where applicable,

ii) In an area within 30 metres of a residence façade, but not closer than 3 metres where any residence on the property is situated more than 30 metres from the property boundary closest to the premise; or where applicable,

iii) In an area within 50 metres of the boundary of a National Park or Nature Reserve.

b) With the LAeq(15minute) or the LAmax noise limits in conditions L6.1 and L6.3, the noise measurement equipment must be located:

i) At the reasonably most affected point at a location where there is no residence at the location; or,

ii) At the reasonably most affected point within an area at the location prescribed by condition L6.5(a).

L6.6 A non-compliance of conditions L6.1 and L6.3 will still occur where noise generated from the premises is measured in excess of the noise limit at a point other than the reasonably most affected point at the locations referred to In condition L6.5 (a) or L6.5 (b).

Note: For condition L6.5 and L6.6: The reasonably most affected point is a point at a location or within an area at a location experiencing or expected to experience the highest sound pressure level from the premises.

L6.7 For the purpose of determining the noise generated from the premises, the modifying factor corrections in

Table C1 of the *Noise Policy for industry (NSW EPA,2017)* may be applied, if appropriate, to the noise measurement by the noise monitoring equipment.

L6.8 Noise measurements must not be undertaken where rain or wind speed at the microphone level will affect acquisition of valid measurements.

L6.9 The noise limits specified in condition L6.1 do not apply to any residence where a noise agreement is in place between the licensee and the owner of those residences in relation to noise impacts and/or noise limits.

L7 Other limit conditions

L7.1 The total mass of Non-standard Fuel, excluding the sub-category of “Known Fuel not Requiring Further Testing”, used in the Power boiler must not exceed 50% by mass of the total fuel used in the Power Boiler.

L7.2 The minimum exit velocity for Stack 2 when the recovery boiler is operating at or above 70% of the applicable design firing rate is as follows in table below. For the purpose of this condition, tds/day is tonnes dry solids per day for the new recovery boiler.

Phase	Equipment discharging to Stack 2	Minimum exit velocity m/s @ 750tds/day	Minimum exit velocity m/s @ 900tds/day
1a	New recovery boiler (NRB)	18.4	22.1

4 Operating Conditions

O1 Activities must be carried out in a competent manner

O1.1 Licensed activities must be carried out in a competent manner.
This includes:
a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
a) must be maintained in a proper and efficient condition; and
b) must be operated in a proper and efficient manner.

O2.2 Equipment used to conduct any monitoring required by this licence must:
(a) be properly calibrated to ensure that it measures as accurately as possible; and

(b) be maintained and serviced at least as often as often is recommended by the manufacturer or supplier.

O2.3 Where maintenance, calibration or operation are detailed as part of the standards listed in the licence limit or

monitoring sections of this licence, then the maintenance, calibration or operation must be undertaken in accordance with the standard.

O3 Dust

O3.1 All operations and activities occurring at the premises must be carried out in a manner that will minimise dust at the boundary of the premises.

O4 Effluent application to land

O4.1 Effluent resulting from the operation of the premises must only be applied to the defined irrigation area.

O4.2 The quantity of effluent/solids applied to the utilisation area must not exceed the capacity of the area to effectively utilise the effluent/solids.

For the purpose of this condition, 'effectively utilise' include the use of the effluent/solids for pasture or crop production, as well as the ability of the soil to absorb the nutrient, salt, hydraulic load and organic material.

O4.3 Effluent application must not occur in a manner that causes surface runoff.

O4.4 Spray from effluent application must not drift beyond the boundary of the premises.

O4.5 Effluent liquid waste pipelines and fittings must be clearly identified. Standard watertaps, hoses and valves must not be fitted to the pipelines of the effluent system. The effluent system must not be connected to other pipelines. Lockable valves or removable handles must be used where there is public access to the effluent.

O4.6 Public access to any effluent utilisation area must be denied during effluent application and until the effluent application area has dried.

O4.7 Adequate notices, warning the public not to drink or otherwise use the treated effluent, must be erected on the site. These notices must be legible English and in any other languages as may be necessary, and must indicate at least that the water in use is "Reclaimed Water - Unfit for Drinking".

Discharge to Sandy Creek

O4.8 Prior to any discharge to Sandy Creek, approval in writing must be obtained from the EPA. This application for discharge must be submitted to the EPA at least two weeks before the requested start date for discharge.

O4.9 The application for discharge must be accompanied by supporting documentation, which includes:
(a) Volume of effluent generated, the volume of effluent reused, and the percentage capacity of the holding dam, for both the system as designed and the actual volumes for the previous 12 months. This information is to be presented in both text and graphical form.

(b) Details of reasons for the discharge in the event that it is proposed to discharge in a year when the rainfall has been less than the wettest year in ten.

O5 Other operating conditions

O5.1 Only the following materials (Standard Fuels) may be used within the power boiler:

a) Bark;
b) Fines (small pieces of wood chip and dust from the pulp log chipping process);
c) Softwood and hardwood residues;
d) Forest residues;
e) Non-Standard Fuels.

O5.2 The total mass of Non-standard Fuel, excluding the sub-category of "Known Fuel not Requiring Further Testing", used in the Power boiler must not exceed 50% by mass of the total fuel used in the Power Boiler.

Odour control systems – annual audit

O5.3 After plant commissioning and at least annually thereafter, an odour audit must be carried out. Part of this odour audit must include a leak detection and repair program (LDAR) (as outlined in the MACT Rules) for the entire foul gas and foul condensate collection systems.

5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:
a) in a legible form, or in a form that can readily be reduced to a legible form;
b) kept for at least 4 years after the monitoring or event to which they relate took place; and
c) produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:
a) the date(s) on which the sample was taken;
b) the time(s) at which the sample was collected;
c) the point at which the sample was taken; and
d) the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Air Monitoring Requirements

Environment Protection Licence

Licence - 10232

POINT 1,22

Pollutant	Units of measure	Frequency	Sampling Method
Chlorine	milligrams per cubic metre	Yearly	TM-7 & TM-8
Flow	normalised cubic metres per second	Continuous	CEM-6
Hydrogen chloride	milligrams per cubic metre	Continuous	TM-8
Moisture	percent	Continuous	TM-22
Nitrogen Oxides	milligrams per cubic metre	Continuous	CEM-2
Opacity	percent Opacity	Continuous	CEM-1
Oxygen (O2)	percent	Continuous	CEM-3
Sulfur dioxide	milligrams per cubic metre	Continuous	CEM-2
Sulfuric acid mist and sulfur trioxide (as SO3)	milligrams per cubic metre	Yearly	TM-3
TCDD (equivalent)	nanograms per cubic metre	Yearly	TM-18
Temperature	degrees Celsius	Continuous	TM-2
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15
TRS (as H2S)	milligrams per cubic metre	Continuous	CEM-5
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Yearly	TM-12, TM-13 & TM-14

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Carbon monoxide	milligrams per cubic metre	Continuous	CEM-4
Flow	normalised cubic metres per second	Continuous	CEM-6
Methanol	milligrams per cubic metre	Yearly	TM-35
Moisture	percent	Continuous	TM-22
Nitrogen Oxides	milligrams per cubic metre	Continuous	CEM-2
Opacity	percent Opacity	Continuous	CEM-1
Oxygen (O2)	percent	Continuous	CEM-3
Temperature	degrees Celsius	Continuous	TM-2
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15

POINT 3

Pollutant	Units of measure	Frequency	Sampling Method

Environment Protection Licence

Cadmium	milligrams per cubic metre	Special Frequency 2	TM-12, TM-13 & TM-14
Carbon monoxide	milligrams per cubic metre	Continuous	CEM-4
Flow	normalised cubic metres per second	Continuous	CEM-6
Mercury	milligrams per cubic metre	Special Frequency 2	TM-12, TM-13 & TM-14
Moisture	percent	Continuous	TM-22
Nitrogen Oxides	milligrams per cubic metre	Continuous	CEM-2
Opacity	percent Opacity	Continuous	CEM-1
Oxygen (O2)	percent	Continuous	CEM-3
TCDD (equivalent)	milligrams per cubic metre	Special Frequency 2	TM-18
Temperature	degrees Celsius	Continuous	Other Approved Method 1
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Special Frequency 2	TM-12, TM-13 & TM-14

POINT 4,21

Pollutant	Units of measure	Frequency	Sampling Method
Carbon monoxide	milligrams per cubic metre	Continuous	CEM-4
Moisture	percent	Continuous	TM-22
Nitrogen Oxides	milligrams per cubic metre	Continuous	CEM-2
Opacity	percent Opacity	Continuous	CEM-1
Oxygen (O2)	percent	Continuous	CEM-3
Temperature	degrees Celsius	Continuous	TM-2
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15

POINT 16

Pollutant	Units of measure	Frequency	Sampling Method
Type 1 and Type 2 substances in aggregate	milligrams per kilogram	Special Frequency 4	Representative sample

POINT 17

Pollutant	Units of measure	Frequency	Sampling Method
Type 1 and Type 2 substances in aggregate	milligrams per kilogram	Special Frequency 4	Representative sample

POINT 18

Environment Protection Licence

Pollutant	Units of measure	Frequency	Sampling Method
Ash	percent	Special Frequency 5	Representative sample
Chlorine	milligrams per kilogram	Special Frequency 5	Representative sample
Copper	milligrams per kilogram	Special Frequency 5	Representative sample
Fluorine	milligrams per kilogram	Special Frequency 5	Representative sample
Organochlorine pesticides	milligrams per kilogram	Special Frequency 5	Representative sample
Organophosphate pesticides	milligrams per kilogram	Special Frequency 5	Representative sample
Type 1 and Type 2 substances in aggregate	milligrams per kilogram	Special Frequency 5	Representative sample

POINT 19

Pollutant	Units of measure	Frequency	Sampling Method
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Special Frequency 4	TM-12, TM-13 & TM-14

POINT 20

Pollutant	Units of measure	Frequency	Sampling Method
Type 1 and Type 2 substances in aggregate	milligrams per kilogram	Special Frequency 4	Representative sample

M2.3 Water and/ or Land Monitoring Requirements

POINT 9

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (total)	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
Phosphorus (total)	milligrams per litre	Special Frequency 1	Grab sample
Total dissolved solids	milligrams per litre	Special Frequency 1	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 1	Grab sample
Zinc	milligrams per litre	Special Frequency 1	Grab sample

POINT 10

Environment Protection Licence

Licence - 10232

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	6 Times a year	Grab sample
Nitrogen (total)	milligrams per litre	6 Times a year	Grab sample
Oil and Grease	milligrams per litre	6 Times a year	Grab sample
pH	pH	6 Times a year	Grab sample
Phosphorus (total)	milligrams per litre	6 Times a year	Grab sample
Sodium Adsorption Ratio	sodium adsorption ratio	6 Times a year	Grab sample
Total dissolved solids	milligrams per litre	6 Times a year	Grab sample
Total suspended solids	milligrams per litre	6 Times a year	Grab sample
Zinc	milligrams per litre	6 Times a year	Grab sample

POINT 11,12

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (total)	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
Phosphorus (total)	milligrams per litre	Special Frequency 1	Grab sample
Total dissolved solids	milligrams per litre	Special Frequency 1	Grab sample

POINT 25,26,27,28,29,30,31

Pollutant	Units of measure	Frequency	Sampling Method
Aggregate stability	As approp.	Special Frequency 3	Special Method 1
Aluminium	parts per million	Special Frequency 3	Special Method 1
Available phosphorus	parts per million	Special Frequency 3	Special Method 1
Conductivity	millisiemens per centimetre	Special Frequency 3	Special Method 1
Exchangeable aluminium	parts per million	Special Frequency 3	Special Method 1
Exchangeable calcium	parts per million	Special Frequency 3	Special Method 1
Exchangeable magnesium	parts per million	Special Frequency 3	Special Method 1
Exchangeable potassium	parts per million	Special Frequency 3	Special Method 1
Exchangeable sodium	parts per million	Special Frequency 3	Special Method 1
Exchangeable sodium percentage	percent	Special Frequency 3	Special Method 1
Nitrate	parts per million	Special Frequency 3	Special Method 1
Nitrogen (total)	parts per million	Special Frequency 3	Special Method 1
Organic carbon	percent	Special Frequency 3	Special Method 1
pH	pH	Special Frequency 3	Special Method 1
Phosphorus Sorption Capacity	As approp.	Special Frequency 3	Special Method 1

POINT 32,33,34,35,36,37,38,39,40,41,42,43,44,45

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	millisiemens per centimetre	Every 6 months	Special Method 2
Depth	metres	Quarterly	Special Method 2
Nitrate	parts per million	Every 6 months	Special Method 2
pH	pH	Quarterly	Special Method 2

M2.4 **Special Frequency Details**

Special Frequency 1: On the day discharge of effluent into Sandy Creek commences, and monthly thereafter.

Special Frequency 2: Quarterly when non-standard fuels are being burnt in the Power Boiler, and not required at other times.

Special Frequency 3: Yearly for topsoils, and every 3 years for the subsoils.

Special Frequency 4:

a) Sampling and analysis under Special Frequency 4 is not required if only “Standard Fuel” or “Known Fuels Not Requiring Further Testing” is being burnt in the Power Boiler.

b) Sampling and analysis must be done once every three months. Sampling of Point 3 (Power Boiler duct downstream of electro-static precipitator), Point 19 (Power Boiler duct upstream of the electro-static precipitator)) and Point 18 (boiler fuel feed) must be done concurrently.

c) Sampling of the bottom ash and fly ash from Points 16 and 17 must representative of the ash generated during the time of the sampling at Points 3 and 19.

d) Sampling of Point 20 (fluidised bed sand) must be representative of the fluidised bed sand in the Power Boiler during the sampling at Points 3 and 19.

Special Frequency 5:

a) Sampling and analysis under Special Frequency 5 is not required if only “Standard Fuel” or “Known Fuels Not Requiring Further Testing” is being burnt in the Power Boiler.

b) Sampling and analysis must be undertaken every month, except that on every second month the samples are to be taken at the same time as the sampling done at Points 3 and 19 in accordance with Special Frequency 4.

Special Methods Details

Special Method 1: At each soil sampling site, 10 representative samples shall be taken on a 30 metre by 30 metre grid.

Special Method 2: Sample to be collected in accordance with the "Approved Methods for the Sampling and Analysis of Water Pollutants in NSW"

M3 Testing methods - concentration limits

M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must

be done in accordance with:
a) any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
b) if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
c) if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2022* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

M3.2 All air emission monitoring points and equipment must be installed and operated strictly in accordance with the Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales.

M3.3 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Testing methods - load limits

Note: Division 4 of the *Protection of the Environment Operations (General) Regulation 2022* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.

M5 Weather monitoring

M5.1 The licensee must collect and analyse meteorological data for the parameters specified for each of the following monitoring point at the frequency and using the method specified for each parameter.

M5.2 Meteorological monitoring at Point 24

Parameter	Units of measure	Averaging period	Method	Frequency
Siting	NA	NA	AM-1	NA
Wind speed @ 10 m	m/s	1 hour	AM-4	Continuous
Wind direction @ 10 m	o	1 hour	AM-4	Continuous
Sigma Theta @ 10 m	o	1 hour	AM-4	Continuous
Temperature @ 2m	oK	1 hour	AM-4	Continuous
Temperature @ 10 m	oK	1 hour	AM-4	Continuous

Total Solar Radiation @ 10 m	W/m2	1 hour	AM-4	Continuous

M6 Recording of pollution complaints

M6.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M6.2 The record must include details of the following:
a) the date and time of the complaint;
b) the method by which the complaint was made;
c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
d) the nature of the complaint;
e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
f) if no action was taken by the licensee, the reasons why no action was taken.

M6.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M6.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M7 Telephone complaints line

M7.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M7.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M7.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

M8 Requirement to monitor volume or mass

M8.1 For each discharge point or utilisation area specified below, the licensee must monitor:
a) the volume of liquids discharged to water or applied to the area;
b) the mass of solids applied to the area;
c) the mass of pollutants emitted to the air;
at the frequency and using the method and units of measure, specified below.

POINT 9

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	Flow meter and continuous logger

POINT 10

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	Other Approved Method 1

M8.2 Other approved method 1 means the sum of individual flow meters for all the various irrigation areas.

M9 Other monitoring and recording conditions

Non-standard fuels monitoring: Wood, Ash (Fly and Bottom) and Fluidised Bed Sand Testing Methods

M9.1 The analysis for the concentration of the specified analytes must be conducted in accordance with the documents as detailed below:

Wood Analysis

analyte	Sample Preparation	Analysis Method
Antimony	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Arsenic	AS 1038.8.1 Eschka Ashing	USEPA 6010B (ICP-AES)
Beryllium	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Cadmium	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Chromium (VI)	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Cobalt	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Lead	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Manganese	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Mercury	USEPA3052 Acid Digestion	USEPA 7470/1 (CVAA)
Nickel	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Selenium	AS 1038.8.1 Eschka Ashing	USEPA 6010B (ICP-AES)
Tin	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Vanadium	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Copper	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
OP	USEPA SW846	USEPA 8081A (GC)
OC	USEPA SW846	USEPA 8141A (GC)
Calorific value	-212 um air dried sample analysed	AS1038.5 (bomb calorimetry)
Chlorine	-212 um air dried sample analysed	AS1038.10.0 & based on AS1038.14.3 (WD XRF)
Sulfur	-212 um air dried sample analysed	AS1038.6.3.3 (IR)
Fluorine	-212 um air dried sample analysed	AS1038.10.4 (ISE)
-	-	

ALTERNATIVE METHOD		
Antimony, Arsenic, Cadmium, Chromium (VI), Cobalt, Lead, Manganese, Mercury, Nickel, Selenium, Tin, Vanadium and Copper	Pressed Wax Disc	AS1038.10.0 & based on AS1038.14.3 (WD XRF)

Fly Ash, Bottom Ash and Fluidised Bed Sand Analysis

Analyte	Sample Preparation	Analysis method
Antimony	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Arsenic	AS1038.8.1 Eschka Ashing	USEPA 6010B (ICP-AES)
Beryllium	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Cadmium	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Chromium (VI)	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Cobalt	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Lead	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Manganese	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Mercury	USEPA3052 Acid Digestion	USEPA 7470/1 (CVAA)
Nickel	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Selenium	AS1038.8.1 Eschka Ashing	USEPA 6010B (ICP-AES)
Tin	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)
Vanadium	USEPA3052 Acid Digestion	USEPA 6010B (ICP-AES)

6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Environment Protection Licence

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:
a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date. The notification must specify:
a) the assessable pollutants for which the actual load could not be calculated; and
b) the relevant circumstances that were beyond the control of the licensee.

R1.7 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.8 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
a) the licence holder; or
b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R1.9 In addition to the documents specified in Clause R1.1, the licensee must supply the following documents ot the EPA :

(a) A copy of the relevant environmental report/s produced in accordance with the requirements of Conditions 11 and 12 of the Development Consent; and

(b) Independent Environmental Audit in accordance with Condition 71 of the Development Consent.

R2 Notification of environmental harm

R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which they became aware of the incident.

R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
a) where this licence applies to premises, an event has occurred at the premises; or
b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.

R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.

R3.3 The request may require a report which includes any or all of the following information:
a) the cause, time and duration of the event;
b) the type, volume and concentration of every pollutant discharged as a result of the event;
c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

R4 Other reporting conditions

R4.1 The licensee must complete and submit to the EPA an Annual Waste Summary Report each financial year.

R4.2 The Annual Waste Summary Report must be submitted to the EPA via the online Waste and Resource Reporting Portal (WARRP) within 60 days of the end of the financial year.

Environment Protection Licence

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

8 Special Conditions

E1 Alternative Fuels

E1.1 Non-standard fuels must not be burnt unless:

a) they comply with the sampling, analysis and quality/source requirement of this licence; or

b) have been defined as a Known Fuel Not Requiring Further Testing and the supply source has been assessed in accordance with Clause E6.1.

E2 Fuel Specification

E2.1 The maximum concentration of the following contaminants in any sample of Non-standard Fuel must:-

i. not exceed 317 mg/kg of hazardous substances calculated in accordance with Equation 1.
ii. not exceed 21 mg/kg of Cadmium;
iii. not exceed 2 mg/kg of Mercury.

Equation 1 is (0.2Sb + 1.09As + 1.49Cd + 2.18Pb + 16.16Hg + Be + 1.4Cr + 0.73Co + 1.07Mn + 1.18Ni + Se + 0.82Sn + 0.09V)

Where:

Sb is the concentration of Antinomy in the sample in mg/kg;
As is the concentration of Arsenic in the sample in mg/kg;
Cd is the concentration of Cadmium in the sample in mg/kg;
Pb is the concentration of Lead in the sample in mg/kg;
Hg is the concentration of Mercury in the sample in mg/kg;
Be is the concentration of Beryllium in the sample in mg/kg;
Cr is the concentration of Chromium in the sample in mg/kg;
Co is the concentration of Cobalt in the sample in mg/kg;
Mn is the concentration of Manganese in the sample in mg/kg;
Ni is the concentration of Nickel in the sample in mg/kg;
Se is the concentration of Selenium in the sample in mg/kg;
Sn is the concentration of Tin in the sample in mg/kg;
V is the concentration of Vanadium in the sample in mg/kg; and
0.2Sb is 0.2 times the concentration of Antinomy in the sample in mg/kg.

E3 Sampling Requirements

E3.1 a) The frequency and sampling collection methodology for Non-standard Fuels must be in accordance with Sampling Protocol, except as noted below.

b) If a Non-standard Fuel source is assessed and classified as a Known Fuel Not Requiring Further Testing, it will not require ongoing sampling and analysis unless requested by the EPA. This request may be made either orally or in writing. If a sample is requested, it must be obtained in accordance with Sampling Protocol.

E4 Analysis

E4.1 a) All samples of Non-standard Fuels must be analysed for the following parameters:
- Hazardous substances
- Ash
- Copper
- Chlorine
- Fluorine
- Calorific Value

b) The first set of samples of Non-standard Fuel from any new supply source must also be analysed for the following contaminants.
- Organochlorine Pesticides
- Organophosphate Pesticides

c) The sample preparation and analytic method shall be in accordance with the requirements of Section M3 of this licence.

E5 Fuel Quality - Non-standard Fuels

E5.1 a) All Non-standard Fuels must comply with the following quality assurance control requirements prior to delivery to Visy Pulp and Paper, Tumut;

I. Visual inspection and removal of all visible contaminants or treated pieces of wood;
II. Sampling and analysis in accordance with the Sampling Protocol, and the conditions E1.3 and E1.4 of this licence, and;
III. Assessment of suitability for use as a fuel in accordance with the Fuel Specification.

b) Any Non-standard Fuel, which fails to meet the Fuel Specification must:-

I. not be blended with any other fuel;
II. not be retested.

c) Records must be maintained for a period of not less than four (4) years for each of the following:-

- the date time and location of each sample of Non-standard Fuel;
- the analysis results for each sample taken of Non-standard Fuel;
- the approximate volume and mass of each stockpile of Non-standard Fuel sampled; and,
- for each stockpile that fails to meet the Fuel Specification, the date and location of its disposal.

d) Only Non-standard Fuel that has been sampled, analysed, and complies with the Fuel Specification may be received at the premise.

E6 Classification of Fuels as "Known Fuels Not Requiring Further Testing"

E6.1 a) The materials that can be considered for classification under the category of Known Fuel Not Requiring Further Testing are detailed in Column 1 of Schedule VF1.

b) Unless noted otherwise, each supply source of a fuel intended to be used as a Known Fuel Not Requiring Further Testing must comply with the following requirements before it is used:

1. Sampling and analysis of representative samples from three (3) separate batches in accordance with the procedures detailed in this licence;
2. Identification of all contaminants other than those listed in Column 2 of Schedule VF1. For all such contaminants, the licensee must submit supporting scientific information and/or analysis that demonstrates the material will not have a significant impact on the environment if burnt;
3. Details of the quality assurance and quality control procedures that will be implemented to ensure the fuel quality will be maintained;
4. The results of the above assessment and quality systems must be forward to EPA for review;

Written confirmation is received from the EPA that a particular source may be used. This consent may be withdrawn at any time in writing by the EPA.

c) All fuels classified as Known Fuels Not Requiring Further Testing must comply at all times with the Fuel Specification.

d) The licensee may make application to EPA to burn other types of homogenous wood or wood fibre material where there is a low risk of contamination in addition to those already listed in Column 1 of Schedule VF1. The application to the EPA must be in accordance with the requirements as detailed in Paragraph b) above.

Column 1: Description of Fuel	Column 2: Quality Requirement	Comments
Paper machine rejects generated on site	Paper machine rejects, including contaminates removed from recycled paper.	Formal written approval from the EPA is required prior to the use of this material as an onsite fuel
Particle board	Uncontaminated and untreated, except for the adhesive used in manufacture of the product	
Medium density fibreboard	Uncontaminated and untreated, except for the adhesive used in manufacture of the product	

Ply wood	Uncontaminated and untreated, except for the adhesive used in manufacture of the product
Timber docking from manufacturing processes	Uncontaminated and untreated
Manufactured timber products from manufacturing processes	Uncontaminated and untreated, except for the adhesive used in manufacture of the product

E7 Revision of the Fuel Specification

E7.1 At the completion of 12 months from the date of commencement of authorisation to burn up to 50% Non-standard Fuels, the licensee must prepare a report that reviews the Fuel Specification, based on the results of the testing requirements as detailed in Clause M2. The report shall establish;

a) individual partitioning factors for each Hazardous Substance (i.e. relative percentage in the bottom ash, fly and air emissions);

b) Assess the accuracy of the assumptions and simplifications contained in the initial fuel specification;

c) Develop a revised fuel specification equation.

This report must be submitted to the EPA within 60 days from the end of the initial 12-month operational period detailed above.

E8 Sludge Disposal

E8.1 Sludge from the Wastewater Treatment Plant may be disposed on site in accordance with the current reviewed *Wastewater Treatment Plant Sludge Disposal By Land Application On Site* procedure, as subsequently updated and approved in writing by the EPA.

E9 Special Dictionary

E9.1 Standard Fuel - Natural gas; and untreated and uncontaminated timber, timber off-cuts and residues from sawmills and forestry operations.

Non-Standard Fuel - Any wood or plant based fuel that does not meet the criteria for Standard Fuel.

Known Fuel Not Requiring Further Testing - A sub-category of Non-Standard Fuel that on account of being homogenous wood or wood fibre material from a verifiable source with controls over its lifecycle, are considered to present a low risk of contamination.

Environment Protection Licence

Licence - 10232

Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

Environment Protection Licence

Licence - 10232

flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environmen t Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder describe d at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 mo nths. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales*.

Environment Protection Licence

Licence - 10232

TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non-putrescible), special waste or hazardous waste
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Mr Robert Monteith

Environment Protection Authority

(By Delegation)

Date of this edition: 30-June-2000

Environment Protection Licence

Licence - 10232

End Notes

1	Licence varied by notice 1001871, issued on 18-Oct-2000, which came into effect on 12-Nov-2000.
2	Licence varied by notice 1002977, issued on 27-Mar-2001, which came into effect on 21-Apr-2001.
3	Licence varied by notice 1007057, issued on 04-May-2001, which came into effect on 29-May-2001.
4	Licence varied by notice 1013526, issued on 28-May-2002, which came into effect on 22-Jun-2002.
5	Licence varied by notice 1021355, issued on 24-Dec-2002, which came into effect on 24-Dec-2002.
6	Licence varied by notice 1027133, issued on 02-Jul-2003, which came into effect on 27-Jul-2003.
7	Licence varied by notice 1038416, issued on 30-Mar-2005, which came into effect on 24-Apr-2005.
8	Licence varied by updating Clean Air Reg references, issued on 14-Jun-2006, which came into effect on 14-Jun-2006.
9	Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
10	Licence varied by notice 1080322, issued on 30-Jun-2009, which came into effect on 30-Jun-2009.
11	Licence varied by notice 1506296 issued on 16-Aug-2012
12	Licence varied by notice 1513742 issued on 28-Jun-2013
13	Licence varied by notice 1521029 issued on 27-Mar-2014
14	Licence varied by notice 1542120 issued on 01-Aug-2016
15	Licence varied by notice 1617780 issued on 05-Jul-2023