

# Licence Variation



Licence - 11457

HUNTER VALLEY ENERGY COAL PTY LTD  
500 THOMAS MITCHELL DRIVE  
MUSWELLBROOK NSW 2333

Attention: James Nixon

Notice Number 1634432  
File Number EF13/3102  
Date 09-Jan-2024

## NOTICE OF VARIATION OF LICENCE NO. 11457

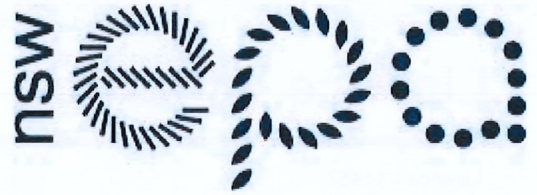
### BACKGROUND

- A. HUNTER VALLEY ENERGY COAL PTY LTD ("the licensee") is the holder of Environment Protection Licence No. 11457 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of activities at THOMAS MITCHELL DRIVE, MUSWELLBROOK, NSW, 2333 ("the premises").
- B. On 02-Nov-2023 the Environment Protection Authority (EPA) received an application for the variation of the licence.
- C. The application sought to relocate blast monitoring point - EPA Point 25 due to recent property acquisition. The relocation of this monitoring point is understood to best reflect any potential blast impacts to the nearest private residence.
- D. On 15 December 2023 the EPA received additional information from the Licensee in response to a Section 60 - Notice to supply further information (Notice 1635280) regarding the location and proximity of the nearest receptor to the proposed blast monitoring location, location of the property acquired and an updated Plan of Premises Monitoring Points.
- E. The EPA has reviewed this information and is satisfied with the proposed location for blast monitoring at EPA Point 25.
- F. The application also sought to note that any end-of-life heavy-plant waste tyres that have previously been disposed of by burial within the Premises which require relocation do not count towards the reporting limit of 1,100 tyres within one annual return period.
- G. The EPA understands that the waste tyres require relocation due to a change in the final landform of the burial location due to rehabilitation activities and the amount of tyres to be uncovered cannot be estimated.
- H. The EPA has agreed to note on the Licence that heavy-plant waste tyres that have previously been disposed of by burial within the Premises that require relocation, do not count towards the reporting limit. Noting that points 4-8 of condition R5.7 apply - as per the Note under this condition.



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- I. The EPA does not consider that this variation of the Licence will authorise a significant increase in the environmental impact of the activity authorised or controlled by the Licence.
- J. The EPA has considered section 45 of the Act in assessing the Application.

### VARIATION OF LICENCE NO. 11457

1. By this notice the EPA varies licence No. 11457. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:
  - Condition P1 - Removed the reference plan titled 'EPA - Plan of Premises Monitoring Points' dated 5/12/22 EPA Reference DOC22/1061844-2 and replaced with reference to the updated plan dated 24/09/2023 EPA reference DOC23/1097874.
  - Condition P1.4 - EPA monitoring Point 25 - coordinates have been updated to reflect the change in location for this monitoring point in line with the updated plan.
  - Condition L4.2 - A note has been added which states '*For the purpose of reporting under condition L4.2, heavy-plant waste tyres which have previously been disposed of via burial within the Premises and require relocation from their original place of burial, this condition does not apply*'.

A handwritten signature in blue ink, appearing to read 'Hamish Rutherford', is positioned above a dotted line.

.....  
**Hamish Rutherford**  
**Acting Unit Head**  
**Environment Protection Authority**  
(by Delegation)

### INFORMATION ABOUT THIS NOTICE

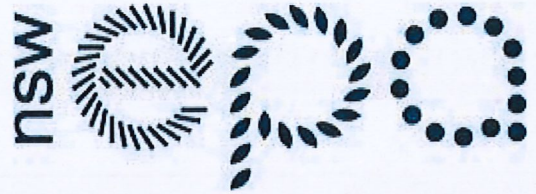
- This notice is issued under section 58(5) of the Act.
- Details provided in this notice, along with an updated version of the licence, will be available on the EPA's Public Register (<http://www.epa.nsw.gov.au/prpoeo/index.htm>) in accordance with section 308 of the Act.

### Appeals against this decision

- You can appeal to the Land and Environment Court against this decision. The deadline for lodging the appeal is 21 days after you were given notice of this decision.

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## When this notice begins to operate

- The variations to the licence specified in this notice begin to operate immediately from the date of this notice, unless another date is specified in this notice.
- If an appeal is made against this decision to vary the licence and the Land and Environment Court directs that the decision is stayed the decision does not operate until the stay ceases to have effect or the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).





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## Licence Details

Number:	11457
Anniversary Date:	01-July

## Licensee

HUNTER VALLEY ENERGY COAL PTY LTD  
 500 THOMAS MITCHELL DRIVE  
 MUSWELLBROOK NSW 2333

## Premises

MT ARTHUR COAL  
 THOMAS MITCHELL DRIVE  
 MUSWELLBROOK NSW 2333

## Scheduled Activity

Coal works  
 Mining for coal

## Fee Based Activity

## Scale

Coal works	> 5000000 T annual handing capacity
Mining for coal	> 5000000 T annual production capacity

## Contact Us

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 6 Parramatta Square  
 10 Darcy Street  
 PARRAMATTA NSW 2150  
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 Email: [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au)

Locked Bag 5022  
 PARRAMATTA NSW 2124





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## 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).





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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:

<b>HUNTER VALLEY ENERGY COAL PTY LTD</b>
<b>500 THOMAS MITCHELL DRIVE</b>
<b>MUSWELLBROOK NSW 2333</b>

subject to the conditions which follow.





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## 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
Coal works	Coal works	> 5000000 T annual handing capacity
Mining for coal	Mining for coal	> 5000000 T annual production capacity

Note: In relation to this licence, the licensee must comply with:

- the activity scale limits imposed by this licence;
- the activity scale limits which apply for the reporting period specified in this licence; and
- the activity scale limits imposed by other legal instruments, such as approvals currently in force under the *Environmental Planning and Assessment Act 1979*.

### A2 Premises or plant to which this licence applies

- A2.1 The licence applies to the following premises:

Premises Details
MT ARTHUR COAL
THOMAS MITCHELL DRIVE
MUSWELLBROOK
NSW 2333
PREMISED DEFINED BY PLAN TITLED "EPA - PLAN OF PREMISES" DRAWING NO. ENV-0021 DATED 5/12/22 (DOC22/1061844-2) AND SHAPE FILES (DOC21/91573-1).

### 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:

- the applications for any licences (including former pollution control approvals) which this licence replaces



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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

Note: For the purposes of Condition P1.1, P1.3 and P1.4, Figure 1 refers to the plan titled "EPA - Plan of Premises Monitoring Points" dated 24/09/2023, Drawing No: ENV-0025 EPA Reference DOC23/1097874. Note: The datum for grid references in the Licence is MGA2020, Zone 56.

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
11	Particulate Matter Monitoring - PM10		Air quality monitoring at coordinates 294417, 6423492 (Easting, Northing) shown as DC10 on Figure 1.
12	Particulate Matter Monitoring - PM10		Air quality monitoring at coordinates 297087, 6424919 (Easting, Northing) shown as DC11 on Figure 1.
13	Particulate Matter Monitoring - PM10		Air quality monitoring at coordinates 300874, 6415288 (Easting, Northing) shown as DC12 on Figure 1.
14	Particulate Matter Monitoring - PM10		Air quality monitoring at coordinates 303158, 6419088 (Easting, Northing) shown as DC13 on Figure 1.

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
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6	Discharge of saline water under the Hunter River Salinity Trading Scheme (HRSTS)	Discharge of saline water under the Hunter River Salinity Trading Scheme (HRSTS)	Discharge and monitoring at weir structure downstream of outlet pipe from storage dam at coordinates 298191, 6424891 (Easting, Northing), shown as SW28 on Figure 1.
15	Volumetric monitoring Water quality monitoring Discharge to utilisation area	Volumetric monitoring Water quality monitoring Discharge to utilisation area	Discharge and monitoring of STP discharge to effluent pond utilisation area at coordinates 301258, 6420450 (Easting, Northing), shown as LP15 on Figure 1.
26	Mine Water Storage		Mine water storage dam at coordinates 298709, 6424746 (Easting, Northing).

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
7	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at coordinates 301609, 6426026 (Easting, Northing), shown as BP04 on Figure 1.
8	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at coordinates 299170, 6426438 (Easting, Northing), shown as BP07 on Figure 1.
10	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at coordinates 304234, 6422345 (Easting, Northing), shown as BP11 on Figure 1.
16	Noise monitoring	Noise monitoring at coordinates 304286, 6421977 (Easting, Northing), shown as NP04 on Figure 1.
17	Noise monitoring	Noise monitoring at coordinates 299169, 6426452 (Easting, Northing), shown as NP07 on Figure 1.
18	Noise monitoring	Noise monitoring at coordinates 301592, 6425957 (Easting, Northing), shown as NP10 on Figure 1.
19	Noise monitoring	Noise monitoring at coordinates 305526, 6422261 (Easting, Northing), shown as NP12 on Figure 1.
20	Noise monitoring	Noise monitoring at coordinates 292410, 6409176 (Easting, Northing), shown as NP13 on Figure 1.
21	Noise monitoring	Noise monitoring at coordinates 289306, 6423366 (Easting, Northing), shown as NP14 on Figure 1.
22	Noise monitoring	Noise monitoring at coordinates 290286, 6422257 (Easting, Northing), shown as NP15 on Figure 1.



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23	Noise monitoring	Noise monitoring at coordinates 299747, 6426811 (Easting, Northing), shown as NP16 on Figure 1.
24	Meteorological Station	Meteorological monitoring at coordinates 301203, 6420155 (Easting, Northing), shown as WS09 on Figure 1.
25	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at coordinates 293529.1, 6421328.1 (Easting, Northing), shown as BP09R on Figure 1.

## 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 Concentration limits

L2.1 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.

L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.

L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table/s.

L2.4 Water and/or Land Concentration Limits

#### POINT 6

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
pH	pH				6.5 - 9.0
Total suspended solids	milligrams per litre				120





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## L3 Volume and mass limits

- L3.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
- liquids discharged to water; or;
  - 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
6	megalitres per day	450

## L4 Waste

- L4.1 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	Treated Effluent	Receipt of treated effluent from Muswellbrook Sewage Treatment Plant.	As specified in each particular resource recovery exemption	The Licensee must comply with the Effluent Exemption 2014.
NA	General or Specific exempted waste			NA
J120	Waste oil/hydrocarbons mixtures/emulsions in water			No more than 68,000 Litres to be stored at the premises at any time.

- L4.2 The licensee must not cause, permit or allow the disposal of more than 1,100 heavy-plant waste tyres within any Annual Return reporting period.

Note: For the purpose of reporting under condition L4.2, heavy-plant waste tyres which have previously been disposed of via burial within the Premises and require relocation from their original place of burial this condition does not apply.

- L4.3 The licensee is permitted to stockpile up to 300 heavy-plant waste tyres at any one time.

Note: The limits at condition L4.2 and condition L4.3 do not come into effect until 1 January 2025.

- L4.4 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



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premises to be disposed of at the premises, except as expressly permitted by the licence.

L4.5 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environment protection licence.

L4.6 All waste oil used in blasting operations at the premises must meet the following quality limits:

Parameter	Units of Measure	Limit	Test Method
Flash Point	deg C	not less than 65	EPA 1010 or ASTM D93-11
Polychlorinated biphenyls	ppm	less than 2	ASTM D6160-98 (2009) or EPA 8082.A
Lead	ppm	less than 100	ASTM D5185 US EPA method 3031, 3051A or 3052 (digestion method) and 6010C (analysis method)
Moisture	%/L	less than 2	EPA Method 9000 or ASTM D4928-11
Chromium	ppm	less than 10	ASTM D5185 US EPA method 3031, 3051A or 3052 (digestion method) and 6010C (analysis method)
Glycol	%/L	less than 0.2%	ASTM D4291
Polyaromatic hydrocarbons	ppm	less than 1000	US EPA 3580A (Extraction method); US EPA 8270D (Analysis method)
Cadmium	ppm	less than 2	ASTM D5185 US EPA method 3031, 3051A or 3052 (digestion method) and 6010C (analysis method)
Arsenic	ppm	less than 5	ASTM D5185 US EPA method 3031, 3051A or 3052 (digestion method) and 6010C (analysis method)
Particulate diameter	micrometres	less than 25	ASTM D4055-04 (2009) and substitute 0.8 micrometre membrane filter for a 25 micrometre membrane filter.

## L5 Noise limits

L5.1 Noise generated at the premises must not exceed the noise limits presented in the table below.

Residences referenced in this table are from Project Approval 09\_0062 and summarised in EPA Re DOC19/1103289.





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LOCATION	Day LAeq (15 minute) dBA	Evening LAeq (15 minute) dBA	Night LAeq (15 minute) dBA	Night LA1 (1 Minute) dBA
EPA Point 16	37	40	38	45
EPA Point 17	41	40	39	45
EPA Point 18	39	39	39	45
EPA Point 19	41	40	39	45
EPA Point 20	35	35	35	45
EPA Point 21	37	36	35	45
EPA Point 22	37	36	35	45
EPA Point 23	39	38	37	45

L5.2 For the purposes of Condition L5.1:

- Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays,
- Evening is defined as the period from 6pm to 10pm, and
- Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays

L5.3 The noise limits set out in condition L5.1 apply under all meteorological conditions except for the following as noted in Appendix 10 of Project Approval 09\_0062:

- during periods of rain or hail;
- average wind speed at microphone height greater than 5 m/s;
- wind speeds greater than 3 m/s at 10 metres above the ground level; or
- temperature inversion conditions greater than 3 degrees Celsius/100 m, or alternatively stability class F and G.

L5.4 For the purposes of condition L5.3, data recorded by the meteorological station at EPA Identification Point 24 must be used to determine meteorological conditions with the exception of calculating temperature differential for stability category which may use data from alternative sources.

## L6 Blasting

L6.1 Blasting in or on the premises must only be carried out between 8am and 5pm, Monday to Saturday inclusive. Blasting in or on the premises must not take place on Sundays or Public Holidays, or at any other time without the prior approval of the Secretary.

L6.2 The airblast overpressure level from blasting operations in or on the premises must not exceed: 115 dB (Lin Peak) for more than 5% of the total number of blasts during each reporting period; at either monitoring point 7, 8, 10 or 25 in Condition P1.4.

L6.3 The airblast overpressure level from blasting operations in or on the premises must not exceed: 120 dB (Lin Peak) at any time; at either monitoring point 7, 8, 10 or 25 in Condition P1.4

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- L6.4 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:  
5 mm/second for more than 5% of the total number of blasts during each reporting period;  
at either monitoring point 7, 8, 10 or 25 in Condition P1.4.
- L6.5 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:  
10 mm/second at any time;  
at either monitoring point 7, 8, 10 or 25 in Condition P1.4.
- L6.6 Offensive blast fume must not be emitted from the premises.

### *Definition:*

*Offensive blast fume means post-blast gases from the detonation of explosives at the premises that by reason of their nature, duration, character or quality, or the time at which they are emitted, or any other circumstances:*

1. *are harmful to (or likely to be harmful to) a person that is outside the premises from which it is emitted, or*
2. *interferes unreasonably with (or is likely to interfere unreasonably with) the comfort or repose of a person who is outside the premises from which it is emitted.*

## 4 Operating Conditions

### 01 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.

### 02 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 The licensee is responsible for the correct operation of the sewage treatment system on their premises.
- O2.3 Correct operation involves regular supervision and system maintenance. The licensee must be aware of the system management requirements and must ensure that the necessary service contracts are in place.
- O2.4 The sewage treatment system must be serviced by a suitably qualified and experienced wastewater technician at least once in each quarterly period and a minimum of four times per year.



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- O2.5 The licensee must record each inspection and any actions required or recommended by the technician including all results of tests performed on the sewage treatment system by the technician as required in Condition O2.4.
- O2.6 The licensee must prepare a sewage treatment system maintenance program. The program must include:
  - a) Certification from the system provider that the sewage treatment system is operating within its capacity;
  - b) Date, time and results of all routine maintenance procedures undertaken to the sewage treatment system; and
  - c) Provide written records or an electronic confirmation of each quarterly inspection.

## O3 Dust

- O3.1 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.
- O3.2 All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.
- O3.3 All trafficable areas, coal storage areas and vehicle manoeuvring areas in or on the premises must be maintained, at all times, in a condition that will minimise the generation, or emission from the premises, of wind-blown or traffic generated dust.

## O4 Effluent application to land

- O4.1 Waste water utilisation areas must effectively utilise the waste water applied to those areas. This includes the use for pasture or crop production, as well as ensuring the soil is able to absorb the nutrients, salts, hydraulic load and organic materials in the solids or liquids. Monitoring of land and receiving waters to determine the impact of waste water application may be required by the EPA.
- O4.2 The licensee must ensure that sprays or mists from irrigation do not drift beyond the boundary of the effluent discharge utilisation area and that no ponding occurs.

## O5 Processes and management

- O5.1 The licensee must ensure that any liquid and/or non liquid waste generated at the premises is assessed and classified in accordance with the EPA Waste Classification Guidelines as in force from time to time.
- O5.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.

## O6 Waste management

- O6.1 The licensee is authorised to dispose of heavy-plant tyre waste generated on the premises in overburden emplacement areas.



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The licensee must:

- a) Ensure that heavy-plant waste tyres are re-used on the premises as much as practical;
- b) Ensure that any surplus heavy-plant waste tyres can be emplaced by being spread out within the overburden emplacement areas and buried as deep as practical, but, covered by at least 20 metres of inert material beneath any final rehabilitated surfaces;
- c) Place heavy-plant waste tyres at least 10 metres away from coarse reject material or tailings emplacement area;
- d) Ensure that any heavy-plant waste tyres are place above the existing water table;
- e) Not emplace any heavy-plant waste tyres in a position that compromises the stability of the final rehabilitated landform;
- f) Not place any heavy-plant waste tyres near heated material or potentially acid forming materials; and
- g) Not place any heavy-plant waste tyres in an area likely to leach to any watercourse.

O6.2 Stockpiles of any heavy-plant waste tyres stored at the premises awaiting disposal must:

- a) Be less than 4.2 metres in height;
- b) Not cover an area of more than 200 square metres; and
- c) Not be located within 10 metres of any other flammable or combustible materials.

## **O7 Other operating conditions**

O7.1 All above-ground tanks containing material that is likely to cause environmental harm must be bunded or have an alternative spill containment system in place.

## **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



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licence:

- the date(s) on which the sample was taken;
- the time(s) at which the sample was collected;
- the point at which the sample was taken; and
- 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

POINT 11,12,13,14

Pollutant	Units of measure	Frequency	Sampling Method
PM10	micrograms per cubic metre	Continuous	AM-22

### M2.3 Water and/ or Land Monitoring Requirements

POINT 6

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Continuous during discharge	A probe designed to measure the range 0 to 10,000 uS/cm
pH	pH	Daily during any discharge	Representative sample
Total suspended solids	milligrams per litre	Daily during any discharge	Representative sample

POINT 15

Pollutant	Units of measure	Frequency	Sampling Method
Faecal Coliforms	colony forming units per 100 millilitres	Quarterly	Grab sample

POINT 26

Pollutant	Units of measure	Frequency	Sampling Method
Aluminium	micrograms per litre	Quarterly	Grab sample



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Benzene	micrograms per litre	Quarterly	Grab sample
Cadmium	micrograms per litre	Quarterly	Grab sample
Iron	micrograms per litre	Quarterly	Grab sample
Lead	micrograms per litre	Quarterly	Grab sample
Manganese	micrograms per litre	Quarterly	Grab sample
Mercury	micrograms per litre	Quarterly	Grab sample
Zinc	micrograms per litre	Quarterly	Grab sample

## 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:
- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
  - 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
  - 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 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 Weather monitoring

- M4.1 At the point(s) identified below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1 of the table below, using the corresponding sampling method, units of measure, averaging period and sampling frequency, specified opposite in the Columns 2, 3, 4 and 5 respectively.





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## POINT 24

Parameter	Sampling method	Units of measure	Averaging period	Frequency
Sigma theta	AM-2 & AM-4	Degrees	15 minutes	Continuous
Rainfall	AM-4	millimetres	15 minutes	Continuous
Temperature at 10 metres	AM-4	degrees Celsius	15 minutes	Continuous
Wind Direction at 10 metres	AM-2 & AM-4	Degrees	15 minutes	Continuous
Wind Speed at 10 metres	AM-2 & AM-4	metres per second	15 minutes	Continuous
Relative humidity	AM-4	percent	15 minutes	Continuous

### M5 Recording of pollution complaints

M5.1 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.

M5.2 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.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

### M6 Telephone complaints line

M6.1 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.

M6.2 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.

M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

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## M7 Requirement to monitor volume or mass

- M7.1 For each discharge point or utilisation area specified below, the licensee must monitor:
- the volume of liquids discharged to water or applied to the area;
  - the mass of solids applied to the area;
  - the mass of pollutants emitted to the air;
- at the frequency and using the method and units of measure, specified below.

### POINT 6

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	megalitres per day	Weir structure and level sensor

### POINT 15

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

## M8 Blasting

- M8.1 To determine compliance with conditions L6.2 and L6.3:
- Airblast overpressure and ground vibration levels must be measured and electronically recorded for monitoring points 7, 8, 10 and 25 for the parameters specified in Column 1 of the table below; and
  - The licensee must use the units of measure, sampling method, and sample at the frequency specified opposite in the other columns.

Parameter	Units of Measure	Frequency	Sampling Method
Airblast Overpressure	Decibels (Linear Peak)	All Blasts	Australian Standard AS 2187.2-2006
Ground Vibration Peak Particle Velocity	millimetres/second	All Blasts	Australian Standard AS 2187.2-2006

## M9 Other monitoring and recording conditions

### HRSTS Monitoring

- M9.1 The Licensee must continuously operate and maintain communication equipment which makes the conductivity and flow measurements, taken at Point 6 available to the "Service Coordinator" within one hour of those measurements being taken and makes them available in the format specified in the report titled "Hunter River Salinity Trading Scheme Discharge Point Telemetry Specification - Rev V1.0 Released 4 October 2018" as published by WaterNSW.
- M9.2 The licensee must ensure that all monitoring data is within a margin of error of 5% for conductivity measurements and 10% for discharge flow measurement.
- M9.3 The licensee must mark monitoring point 6 with a sign which clearly indicates the name of the licensee, whether the monitoring point is up or down stream of the discharge point(s) and that it is a monitoring point for



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the Hunter River Salinity Trading Scheme.

## Waste Oil Monitoring Requirements

M9.4 The Licensee must ensure that each delivery of waste oil received at the premises is subject to statistically valid sampling and analysis to assess whether the waste oil complies with the limits detailed in Condition L4.4 of this Licence.

The analysis of waste oil must be conducted strictly in accordance with the testing methods specified in Condition L4.4 of this Licence.

## Requirement to Monitor Particulate Matter

M9.5 The Licensee must record the average PM<sub>10</sub> concentration at Monitoring Points 11, 12, 13 and 14 at intervals of 10 minutes. This data must be made available upon request by any Authorised Officer of the EPA who asks to see them.

M9.6 All air monitoring points listed in Condition M2.2 will be monitored on a continuous basis. Continuous monitoring allows for a 95% availability target after allowing sufficient down time for routine maintenance and calibrations.

## M10 Noise monitoring

M10.1 To assess compliance with the noise limits specified within this licence, the licensee must undertake operator attended noise monitoring at each specified noise monitoring point in accordance with the table below.

**POINT 16,17,18,19,20,21,22,23**

Assessment period	Minimum frequency in a reporting period	Minimum duration within assessment period	Minimum number of assessment period
Night	Monthly	15 minutes	1 operation day

M10.2 To assess compliance with condition L5.1, attended noise monitoring must be undertaken in accordance with Conditions L5.2 to L5.4:

- at the EPA points identified in P1.4;
- occur every calendar month in a reporting period; and
- occur during one night time period for a minimum of 15 minutes at each location from a).

M10.3 For the purposes of compliance monitoring and determining the noise generated at the premises the modification factors in section 4 of the Industrial Noise Policy (EPA, 2000) must be applied, as appropriate, to the noise levels measured by noise monitoring equipment.





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M10.4 Where required in writing by the EPA, the Licensee must carry out attended monitoring at sensitive receivers in addition the monitoring required by Condition M10.2.

## 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.

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 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.



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- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- the licence holder; or
  - by a person approved in writing by the EPA to sign on behalf of the licence holder.
- R1.8 The licensee must supply annually a Blast Monitoring Report with the Annual Return, which must include the following information relating to each blast carried out within the premises during the respective reporting period:
- the date and time of the blast;
  - the location of the blast;
  - the blast monitoring results at each blast monitoring station; and
  - an explanation for any missing blast monitoring readings.

## R2 Notification of environmental harm

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.

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- 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:
- where this licence applies to premises, an event has occurred at the premises; or
  - 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:
- the cause, time and duration of the event;
  - the type, volume and concentration of every pollutant discharged as a result of the event;
  - 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;
  - 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;
  - action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
  - details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an



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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 notifications

### Blast Exceedance Notification

- R4.1 The Licensee must report any exceedance of licence blasting limits to the EPA Regulatory Operations Metro North at [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) as soon as practicable after the exceedance becomes known to the Licensee or to one of the Licensee's employees or agents.

### Noise Exceedance Notification

- R4.2 The Licensee must report any exceedance of licence noise limits to the EPA Regulatory Operations Metro North at [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) as soon as practicable after the exceedance becomes known to the Licensee or to one of the Licensee's employees or agents

### Notification of Pollution of Waters

- R4.3 The Licensee must notify the EPA by telephoning the Environment Line service on 131 555 immediately after the Licensee becomes aware of any contravention or potential contravention of Condition L1 of the Licence.
- R4.4 The Licensee must provide written details of the notification required by conditions R.1 to R.3 to the EPA Director Regulatory Operations Metro North at [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au) within 7 days of the date of the notification.

## R5 Other reporting conditions

### HRSTS Reporting

- R5.1 The licensee must compile a written report of the activities under the Scheme for each scheme year. The scheme year shall run from 1 July to 30 June each year. The written report must be submitted to the EPA's regional office within 60 days after the end of each scheme year and be in a form and manner approved by the EPA. The information will be used by the EPA to compile an annual scheme report.

### Spontaneous Combustion Control Program Reporting

- R5.2 The monthly summaries, monthly assessments and maps prepared under the spontaneous combustion control program must be submitted to the EPA in the form of a 6 monthly report. The licensee must forward a copy of each 6 monthly report to the regional office of the EPA no later than two (2) months after the 6 monthly period being reported.
- R5.3 The monthly summaries, assessments and maps must be retained by the licensee for not less than four (4)





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years following the month under review. The records must be kept in a legible form and must be made available to any authorised officer of the EPA on request.

## Waste Oil Reporting

- R5.4 The Licensee must supply the following information with the Annual Return:
- The number of deliveries and the total quantity of waste oil received at the premises during the reporting period;
  - The results of all waste oil testing conducted in accordance with the conditions of this licence during the reporting period;
  - The total amount of waste oil used in blasting operations during the reporting period.

## Sewage Treatment System Records

- R5.5 The sewage treatment system maintenance program required by Condition O2.6 must be submitted annually to the EPA with the Annual Return.
- R5.6 The licensee must retain a copy of each report required by Condition O2.5 for 3 years from the date each record is made.

## Heavy-Plant Waste Tyre Disposal Report

- R5.7 The Licensee must provide the EPA with an Annual Heavy-Plant Waste Tyre Disposal Report. The Report must be submitted with the licence Annual Return each year and must include a plan of the disposed heavy-plant waste tyres on the premises for the period that includes:
- Each tyre serial number;
  - Supplier of each tyre;
  - Date tyre delivered to site;
  - Disposal date of each tyre;
  - Co-ordinates (easting and northings) of the location of each tyre emplacement burial extent;
  - The Real Level (RL) in metres AHD of each tyre emplacement location;
  - The number of tyres buried in/within each emplacement location; and
  - The cumulative total number of tyres disposed of at the premises each year

Note: For the purpose of reporting under condition R5.7, heavy-plant waste tyres which require relocation from their original place of burial - point 1, point 2 and point 3 of this condition do not apply.

## 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.



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

## G2 Other general conditions

### G2.1 Completed Programs

Program	Description	Completed Date
Coal Mine Particulate Matter Control Best Practice	Site specific determination of particulate matter control against best management practice.	13-February-2012
Particulate Matter Control Best Practice Implementation – Wheel Generated Dust	Implementation of particulate matter best management practices to address wheel-generated dust.	15-August-2014
Particulate Matter Control Best Practice Implementation - Disturbing and Handling Overburden Under Adverse Weather Conditions	Implementation of particulate matter best management practices to address the handling of overburden during adverse weather.	15-August-2014
Particulate Matter Control Best Practice Implementation - Trial of Best Practice Measures for Disturbing and Handling Overburden	Investigation to establish best practice measures for the handling of overburden.	30-July-2014
Coal Mine Wind Erosion of Exposed Land Assessment	Assessment of predicted vs actual exposed land	23-January-2017
Review of mine water transfer pipelines	The Licensee must undertake a review of mine water transfer pipelines at the premises to assess the risk of pollution of waters and identify any actions or works that can be implemented as reasonable and feasible to reduce the risk.	24-September-2021
Enviro Dam Upgrade	Decommission and tag out redundant lines. - Relocate pipelines to within Enviro Dam catchment where possible - pipelines to be floated over / sunk across water storage. Potential Pipeline sleeving, bunding or similar controls over clean water diversion. West of clean water diversions, pipelines are to be fully contained within a bunded trace.	07-December-2022
Main Dam Upgrade	Relocate pipelines inside of Main Dam catchment (south of bund or through base of storage). Pipeline hydraulics to confirm impacts due to changes in head, an allowance has been made for upgrades pumping if required.	07-December-2022



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Entrance Road Upgrade	<p>Construct bunding to the downstream (eastern) side of the pipeline to direct burst flows to an existing small, adjacent dam. Note: the dam will be assessed against the proposed design criteria and expanded if required.</p> <p>An alternative option would be to decommission the line and install a new replacement to the west within the catchment of the existing mine water management system</p>	28-March-2023
Whites Creek Upgrade	<p>Divert a portion of the upper reaches of Whites Creek Diversion to MAC 'Dirty Water Dam' north of where the diversion is culverted through the noise bund. The realignment will consist of blocking-off the existing diversion channel, and construction a new 300m length of channel reporting west to the Dirty Water Dam.</p>	20-March-2023
McDonald Pit Upgrade	<p>A separate project is currently underway to control sediment laden runoff from a proposed out of pit dump in the project area, this projects involves the construction of a new sediment control facility. The above works are proposed to be used to act as secondary containment for the pipelines in this catchment area.</p> <p>In addition to the above works, potential realignment of approximately 1000 m of the high risk pipelines (2 in total) may be required to ensure they are situated north of the proposed drainage controls. This will be confirmed once the out of pit dump design is finalised.</p>	31-August-2023
Saddlers Creek Area Upgrade	<p>Relocate all pipelines (3 in total) in stretch from Drayton Void to Saddler's South Pit Catchment. to ensure secondary containment of the line is achieved. The final route for the pipelines is to be determined during the detailed design phase and any other viable alternatives will also be considered. Should a crossing of Saddlers Creek be required, the pipelines may require sleeving across the creek with burst flows directed to dedicated storage(s), to be determined during detailed design through hydraulic modelling.</p>	29-March-2023

## 8 Special Conditions

### E1 Hunter River Salinity Trading Scheme

- E1.1 This licence authorises the discharge of saline water into the Hunter River Catchment from an authorised discharge point (or points), in accordance with the *Protection of the Environment Operations (Hunter River Salinity Trading Scheme) Regulation 2009*.



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- E1.2 For the purposes of Clauses 23 and 29 of the Protection of the Environment Operations (Hunter River Salinity Trading Scheme) Regulation 2002 the licensee must apply the conversion factor of 0.6.
- E1.3 The licensee must not exceed the hourly volume discharge limit calculated using the following formula, at all discharge point(s) on this licence titled "Discharge of saline water under the Hunter River Salinity Trading Scheme (HRSTS)":

$$H = V / RRT$$

Where:

**H** is the hourly volume discharge limit (in megalitres per hour);

**V** is the licence holder's volume discharge limit for the block (in megalitres) calculated in accordance with clause 23 of the Protection of the Environment Operations (Hunter River Salinity Trading Scheme) Regulation (2002); and

**RRT** is the difference between the discharge stop and start times shown on the river register for that block (in hours)

*Note 1:* The intent of this condition is to prevent spikes of saline water in the Hunter River as a result of discharges of less than the duration permitted by the river register.

*Note 2:* A river register is issued by the Service Co-ordinator and allows participants of the Hunter River Salinity Trading Scheme (HRSTS) to discharge saline to the Hunter River during a discharge period.

- E1.4 If the Services Coordinator provides an updated river register while the licensee is actively discharging, the licensee will react to any changes required in a reasonably practicable timeframe.

## E2 Spontaneous Combustion Control Program

- E2.1 Carbonaceous material that is prone to self heating and which is not extracted as run of mine coal must be selectively removed and purposely disposed of in such a manner that will prevent the development of spontaneous combustion at the disposal site.
- E2.2 The licensee must implement a Spontaneous Combustion Control Program which must include but not be limited to the following:
- A monthly summary of actions and procedures undertaken to prevent the development or to control the spread of spontaneous combustion at the premises;
  - An assessment of the effectiveness of the actions and procedures undertaken each month in preventing the development and control of the spread of spontaneous combustion at the premises;
  - Mapping of the approximate location of the areas subject to spontaneous combustion at the premises. Mapping may be completed by either, monthly ground survey, monthly aerial survey or 6 monthly aerial thermal imagery. The map must show the respective areas in square metres of each area affected and must include a key to show the relative intensity of the heatings





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## E3 Waste Tyre Recycling Review

- E3.1 The licensee must undertake a review of available recycling options for end-of-life heavy-plant waste tyres at least every 2 years and provide a report to the EPA that contains, but is not limited to, the following:
- a) Analysis of the current capacity of recycling facilities that can accept end-of-life heavy-plant waste tyres for processing in NSW and other neighbouring states;
  - b) Evidence of enquiries made by the licensee in the previous 24 months to actively seek recycling options for end-of-life heavy-plant waste tyres generated at the premises;
  - c) Analysis of any pre-treatment options that can be performed at the premises to reduce the costs associated with the transporting and recycling of end-of-life heavy-plant waste tyres;
  - d) Analysis of the specific costs to the licensee associated with the transport and delivery/acceptance of site generated end-of-life heavy-plant waste tyres at the nearest capable recycling facilities;
  - e) The current costs associated with the continued on-site burial of end-of-life heavy-plant waste tyres; and
  - f) A full cost benefit analysis of continued on-site burial of end-of-life heavy-plant waste tyres compared to their transport from the Premises and their recycling/processing.
- E3.2 The licensee is required to submit the Waste Tyre Recycling Review by 31 December 2023 to the EPA at [info@epa.nsw.gov.au](mailto:info@epa.nsw.gov.au).

## E4 Heavy-Plant Waste Tyre Reduction Program

- E4.1 The licensee is permitted to undertake a two-year heavy-plant waste tyre reduction program to dispose of surplus heavy-plant waste tyres stored at the premises.
- Disposal of surplus heavy-plant waste tyres must be undertaken in accordance with condition O6.1;
  - Stockpiles of surplus heavy-plant waste tyres must be managed in accordance with condition O6.2; and
  - Reporting of surplus heavy-plant waste tyres must be undertaken in accordance with condition R5.7.
- All surplus heavy-plant waste tyres must be disposed by 31 December 2024.



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## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997



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<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	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.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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 months. 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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .



# Environment Protection Licence

Licence - 11457

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

Mr Mitchell Bennett

Environment Protection Authority

(By Delegation)

Date of this edition: 09-October-2001





# Environment Protection Licence

Licence - 11457

## End Notes

- 1 Licence varied by notice 1033345, issued on 23-Dec-2003, which came into effect on 17-Jan-2004.
- 2 Licence varied by notice 1034224, issued on 29-Mar-2004, which came into effect on 23-Apr-2004.
- 3 Licence varied by notice 1039546, issued on 31-Aug-2004, which came into effect on 25-Sep-2004.
- 4 Licence varied by notice 1041057, issued on 28-Oct-2004, which came into effect on 22-Nov-2004.
- 5 Licence varied by notice 1047821, issued on 05-Jul-2005, which came into effect on 30-Jul-2005.
- 6 Licence fee period changed by notice 1078948 approved on .
- 7 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 8 Licence varied by notice 1097728, issued on 12-Nov-2009, which came into effect on 12-Nov-2009.
- 9 Licence varied by notice 1500568 issued on 08-Aug-2011
- 10 Licence varied by notice 1508974 issued on 21-Mar-2013
- 11 Licence varied by notice 1516107 issued on 05-Sep-2013
- 12 Licence varied by notice 1522184 issued on 30-Oct-2014
- 13 Licence varied by notice 1526528 issued on 14-Jan-2015
- 14 Licence varied by notice 1527897 issued on 05-Feb-2015
- 15 Licence varied by notice 1529785 issued on 09-Apr-2015
- 16 Licence varied by notice 1547149 issued on 20-Dec-2016
- 17 Licence varied by notice 1548186 issued on 19-May-2017
- 18 Licence varied by notice 1553710 issued on 24-Aug-2017
- 19 Licence varied by notice 1569901 issued on 17-Oct-2018
- 20 Licence varied by notice 1575720 issued on 30-Jul-2020
- 21 Licence varied by notice 1605888 issued on 01-Mar-2021
- 22 Licence varied by notice 1608347 issued on 26-Apr-2021
- 23 Licence varied by notice 1613003 issued on 18-Oct-2021
- 24 Licence varied by notice 1617689 issued on 07-Apr-2022



# Environment Protection Licence

Licence - 11457

25	Licence varied by notice	1618135 issued on 13-Apr-2022
26	Licence varied by notice	1618758 issued on 08-Dec-2022
27	Licence varied by notice	1628719 issued on 22-Jun-2023
28	Licence varied by notice	1632438 issued on 10-Oct-2023
29	Licence fee period changed by notice	1634038 on 20-Oct-2023