Section 55 Protection of the Environment Operations Act 1997

Environment Protection Licence

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 (Act)	Licensing Fee Category (Regulation)	Scale
Mining for coal	Mining for coal	> 5000000 T annual production capacity
Coal works	Coal works	> 5000000 T annual handing capacity
Crushing, grinding or separating	Crushing, grinding or separating	> 500000 - 2000000 T annual processing capacity
Chemical storage - Petroleum products storage	Petroleum products storage	> 5000 - 100000 kL storage capacity

Environment Protection Licence

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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 information to be sent to the EPA

For each licence fee period you must pay:

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

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

The EPA publication "A Guide to Licensing" contains information about how to calculate your licence fees.

A licence subject to load-based licensing (LBL) requires an Annual Return to be submitted to the EPA, comprising a Statement of Compliance for Load Based Fee Calculation for each assessable pollutant required by the licence. The Annual Return must be submitted by the "due date", as defined in the dictionary at the end of the licence. Refer to the Annual Return reporting requirements under Section 6 "Reporting Conditions".

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:

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

subject to the conditions which follow.

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 (Act) classification, Licensing Fee Category (Regulation) 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 (Act)	Licensing Fee Category (Regulation)	Scale
Mining for coal	Mining for coal	> 5000000 T annual production capacity
Coal works	Coal works	> 5000000 T annual handing capacity
Crushing, grinding or separating	Crushing, grinding or separating	> 500000 - 2000000 T annual processing capacity
Chemical storage - Petroleum products storage	Petroleum products storage	> 5000 - 100000 kL storage capacity

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

a) the activity scale limits imposed by this licence;
b) the activity scale limits which apply for the reporting period specified in this licence; and
c) 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

LOT //DP
Premises marked and shown as "Mt Arthur Coal Premises Boundary", including the areas marked and shown as "Sewage Treatment Plant" and "Fixed Facilities, and Major Plant", o n the plan titled "EPA - PLAN OF PREMISES" prepared by Jake Alan Robins, Registered Su rveyor, dated 17/12/2025, page 1/2, Drawing No. ENV-0036 (EPA ref. DOC26/45414-2) and as identified in the shapefile submitted with the Licence Variation Application created 9/1/202 6 (EPA ref. DOC26/45414-3).

A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

Ancillary activity
Sewage treatment
General chemicals storage

A4 Information supplied to the EPA

A4.1 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 Number	Point Type	Point Type Description	Location Description

11	Monitoring	Ambient air monitoring	TEOM, marked and shown as "DC10" on the Monitoring Points Plan.
12	Monitoring	Ambient air monitoring	TEOM, marked and shown as "DC11" on the Monitoring Points Plan.
13	Monitoring	Ambient air monitoring	TEOM, marked and shown as "DC12" on the Monitoring Points Plan.
14	Monitoring	Ambient air monitoring	TEOM, marked and shown as "DC13" on the Monitoring Points Plan.

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 Number	Type of Monitoring Point	Type of Discharge Point	Location Description
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, marked and shown as "SW28" on the Monitoring Points Plan.
15	Discharge to utilisation area Effluent quality and volume monitoring	Discharge to utilisation area Effluent quality and volume monitoring	STP discharge to effluent pond utilisation area, marked and shown as "LP15" the Monitoring Points Plan.
26	Discharge quality monitoring		Mine water storage dam, marked and shown as "SW16" on the Monitoring Points Plan.

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

EPA Identification Number	Point Type	Location description
7	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at South Muswellbrook, marked and shown as "BP04" on the Monitoring Points Plan.
8	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at Muswellbrook Racecourse, marked and shown as "BP07" on the Monitoring Points Plan.
10	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at Balmoral Road, Muswellbrook, marked and shown as "BP11" on the Monitoring Points Plan.
16	Noise monitoring	Noise monitoring at Antiene Estate, Muswellbrook, marked and shown as "NP04" on the Monitoring Points Plan.
17	Noise monitoring	Noise monitoring at Racecourse Road, Muswellbrook, marked and shown as "NP07" on the Monitoring Points Plan.
18	Noise monitoring	Noise monitoring at South Muswellbrook, marked and shown as "NP10" on the Monitoring Points Plan.
19	Noise monitoring	Noise monitoring at East Antiene, Muswellbrook, marked and shown as "NP12" on the Monitoring Points Plan.
20	Noise monitoring	Blast monitoring at Jerrys Plains Road near Woodlands Road, Jerrys Plains, marked and shown

		as "NP13" on the Monitoring Points Plan.
21	Noise monitoring	Noise monitoring at 601 Roxburgh Road, Mangoola, marked and shown as "NP14" on the Monitoring Points Plan.
22	Noise monitoring	Noise monitoring at 1322 Denman Road, Muswellbrook, marked and shown as "NP15" on the Monitoring Points Plan.
23	Noise monitoring	Noise monitoring at Skellatar Stock Route, Muswellbrook, marked and shown as "NP16" on the Monitoring Points Plan.
24	Meteorological Station	Meteorological station, marked and shown as "WS09" on the Monitoring Points Plan.
25	Air blast overpressure & ground vibration peak particle velocity monitoring	Blast monitoring at 307 Denman Road, Muswellbrook, marked and shown as "BP09R" on the Monitoring Points Plan.

P1.5 For the purposes of conditions P1.1, P1.3 and P1.4, "Monitoring Points Plan" refers to the plan titled "EPA - Plan of Premises Monitoring Points", Drawing No. ENV-0036, Page 2/2, prepared by Jake Alan Robins, Registered Surveyor, dated 17/12/2025 (EPA ref. DOC26/45414-3).

The datum for grid references provided is MGA2020, Zone 56.

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

Note: The term "assessable pollutants" is defined in the dictionary at the end of this licence. An assessable pollutant is a pollutant which affects the licence fee payable for the licence

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.

Load limit (Kg)

Assessable Pollutant	Maximum load (Kg)
Benzene (Air)	
Volatile organic compounds (Air)	

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.

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 Water and/or Land Concentration Limits

POINT 6

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

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 6

Limits Unit of measure	Volume/Mass Limit
megalitres per day	450

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.

Waste	Description	Activity	Other Limits
J120 - Waste oil/hydrocarbons mixtures/emulsions in water			No more than 68,000 Litres to be stored at the premises at any time.
NA - General or Specific exempted waste			NA
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 - Compost (The compost exemption 2016-NSW EPA)	Application of compost as soil ameliorant for mine rehabilitation.	As specified in each particular resource recovery exemption	The licensee must comply with "The compost exemption 2016".
NA - Gypsum plaster board	Application of recovered plasterboard as soil ameliorant for mine rehabilitation.	As specified in each particular resource recovery exemption	The licensee must comply with "The recovered plasterboard exemption 2014".

L5.2 The licensee must not cause, permit or allow the disposal of more than 1,100 heavy plant waste tyres within any reporting period.

Note: For the purpose of reporting under condition L5.2, 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.

L5.3 The licensee is permitted to stockpile up to 300 heavy plant waste tyres at any one time.

Note: The limits at condition L5.2 and condition L5.3 do not come into effect until 1 January 2025.

Note: For the purpose of stockpile limits under condition L5.3, 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.

L5.4 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 premises to be disposed of at the premises, except as expressly permitted by the licence.

L5.5 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.

L5.6 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	degree Celsius	not less then 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.

L6 Noise limits

L6.1 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 (EPA ref. DOC19/1103289).

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

L6.2 For the purposes of condition L6.1:
a) Day is defined as the period from 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays,
b) Evening is defined as the period from 6pm to 10pm, and
c) Night is defined as the period from 10pm to 7am Monday to Saturday and 10pm to 8am Sundays and Public Holidays

L6.3 The noise limits set out in condition L6.1 apply under all meteorological conditions except for the following as noted in Appendix 10 of Project Approval 09_0062:

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

L6.4 For the purposes of condition L6.3, data recorded by the meteorological station at 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.

L7 Blasting

L7.1 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 Planning Secretary under the Environmental Planning and Assessment Act 1979.

L7.2 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 Points 7, 8, 10 or 25.

L7.3 The airblast overpressure level from blasting operations in or on the premises must not exceed 120 dB (Lin Peak) at any time at either Point 7, 8, 10 or 25.

L7.4 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 Points 7, 8, 10 or 25.

L7.5 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 Points 7, 8, 10 or 25.

L7.6 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

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.

Sewage treatment systems

O2.2 The licensee is responsible for the correct operation of the sewage treatment system(s) on the 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 Each operating sewage treatment system at the premises 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.

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(s) 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 each active 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 The quantity of effluent applied to the utilisation area(s) must not exceed the capacity of the utilisation area(s) to effectively utilise the effluent.

For the purpose of this condition, "effectively utilise" includes the ability of the soil to absorb the nutrient, salt and hydraulic loads and the applied organic material without causing harm to the environment.

O4.2 Effluent application to the utilisation area(s) must not occur in a manner that causes surface run-off from the utilisation area(s).

O4.3 The licensee must ensure that sprays or mists from irrigation do not drift beyond the boundary of the effluent utilisation area(s).

O4.4 The licensee must ensure that the effluent utilisation area(s) is fenced and signposted and controlled in a manner to ensure exclusion of persons from the area(s).

O5 Emergency response

Note: The licensee must maintain, and implement as necessary, a current Pollution Incident Response Management Plan (PIRMP) for the premises in accordance with the requirements in Part 5.7A of the Act and Chapter 4 of the Protection of the Environment Operations (General) Regulation 2022.

O6 Processes and management

O6.1 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.

O6.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.

O6.3 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.

O7 Waste management

Heavy Plant Tyre Disposal

O7.1 The licensee is authorised to dispose of heavy plant tyre waste generated on the premises in overburden emplacement areas.

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.

O7.2 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.

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 EPA point identification number for 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

POINT 11,12,13,14

Pollutant	UOM	Frequency	Sampling Methods
PM10	micrograms per cubic metre	Continuous	AM-22

M2.3 Water and/ or Land Monitoring Requirements

POINT 15

Pollutant	UOM	Frequency	Sampling Methods
Faecal Coliforms	colony forming units per 100 millilitres	Quarterly	Grab sample

POINT 26

Pollutant	UOM	Frequency	Sampling Methods
Aluminium	micrograms per litre	Quarterly	Grab sample
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

POINT 6

Pollutant	UOM	Frequency	Sampling Methods
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

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 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 condition 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 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.

POINT 24

Parameter	UOM	Sampling Method	Average Period	Frequency
Sigma theta	Degrees	AM-2 & AM-4	15 minutes	Continuous
Rainfall	millimetres	AM-4	15 minutes	Continuous
Temperature at 10 metres	degrees Celsius	AM-4	15 minutes	Continuous
Wind Direction at 10 metres	Degrees	AM-2 & AM-4	15 minutes	Continuous
Wind Speed at 10 metres	metres per second	AM-2 & AM-4	15 minutes	Continuous
Relative humidity	percent	AM-4	15 minutes	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 $Parameter1$ 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 15

Frequency	Monitoring unit of measure	Monitoring method
Continuous during discharge	kilolitres per day	Special Method 1

POINT 6

Frequency	Monitoring unit of measure	Monitoring method
Continuous during discharge	megalitres per day	Weir structure and level sensor

M8.2 For the purpose of the table(s) above Special Method 1 means "Flow meter and continuous logger". In circumstances where where the "Flow meter and continuous logger" are not available, the licensee must alternatively determine the volume of discharge by calculation (i.e. volume flow rate or pump capacity multiplied by operating time).

M9 Blasting

M9.1 To determine compliance with conditions L7.2 and L7.3:

a) Airblast overpressure and ground vibration levels must be measured and electronically recorded for Points 7, 8, 10 and 25 for the parameters specified in Column 1 of the table below; and

b) 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

M10 Other monitoring and recording conditions

HRSTS Monitoring

M10.1 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.

M10.2 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.

M10.3 The licensee must mark 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 the Hunter River Salinity Trading Scheme.

Waste Oil Monitoring Requirements

M10.4 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 L5.6 of this licence.

The analysis of waste oil must be conducted strictly in accordance with the testing methods specified in condition L5.6 of this licence.

Requirement to Monitor Particulate Matter

M10.5 The licensee must record the average PM_{10} concentration at 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.

Note: For the purpose of the ambient air monitoring required in respect of Points 11 to 14, the EPA's "Ambient air monitoring guidance note" provides general information to licensees to reference when undertaking ambient air monitoring.

M11 Noise monitoring

M11.1 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 reporting period	Minimum number of assessments	Minimum duration within assessment period
Night	Monthly	1 operation day	15 minutes

M11.2 To assess compliance with condition L6.1, attended noise monitoring must be undertaken in accordance with conditions L6.2 to L6.4:

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

M11.3 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.

M11.4 Where required in writing by the EPA, the licensee must carry out attended monitoring at sensitive receivers in addition the monitoring required by condition M11.1.

6 Reporting Conditions

R1 Compliance, and annual reporting requirements

Compliance with licence conditions

R1.1 The licensee must supply the EPA, via the EPA's online digital portal, the following details of any non-compliance with the conditions of the licence within 21 days after the licensee becomes aware of the non-compliance:

a. the date the licensee became aware of the non-compliance;
b. the date(s) the non-compliance occurred, including if the non-compliance is continuing;
c. whether the non-compliance relates to air, water/land, noise or waste matters (if applicable);
d. whether the non-compliance relates to a pollution incident;
e. the licence condition(s) not complied with;
f. a summary of particulars of the non-compliance, including (if known):
    i. the location where the non-compliance occurred;
    ii. the duration of the non-compliance;
    iii. if the non-compliance is continuing, the suspected end date of the non-compliance;
g. the cause or suspected cause of the non-compliance;
h. any action taken, or proposed to be taken, to mitigate the effects of the non-compliance; and
i. any action taken, or proposed to be taken, to prevent a recurrence of the non-compliance.

R1.2 The EPA may make a written request for further details in relation to each non-compliance reported in accordance with Condition R1.1. The licensee must provide such further details to the EPA, via the EPA's online digital portal, within the time specified in the request.

R1.3 Condition R1.1 does not apply where a non-compliance with a licence condition has been identified by the EPA as part of an EPA environmental compliance audit.

Reporting transition arrangements

R1.4 By 05 August 2026, the licensee must supply to the EPA, via the EPA's online digital portal the details required in Condition R1.1 for any non-compliance with the conditions of the licence that occurred:

i. after the date the licensee supplied their last Statement of Compliance - Licence Conditions to the EPA, and
ii. before the date of the notice of variation of licence that added this condition to this Licence.

Pollution monitoring data summary

R1.5 If the licensee undertakes monitoring as a result of a licence condition, the licensee must supply to the EPA a summary of the results of the pollution monitoring data in respect of each reporting period. The summary must be provided as a Microsoft Excel file, formatted with the following column headings:

a. EPA point identification number;
b. pollutant;
c. unit of measure;
d. number of samples required;
e. number of samples collected and analysed;
f. lowest sample value;
g. mean of sample values; and
h. highest sample value.

The pollution monitoring data summary for the reporting period must be supplied to the EPA via the EPA's online digital portal by the "due date", as defined in the dictionary at the end of this licence.

LBL Annual Return

R1.6 The licensee must complete and supply to the EPA an Annual Return for each reporting period in the approved form comprising a Statement of Compliance for Load Based Fee Calculation.

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.

R1.7 The Annual Return must be supplied to the EPA via the EPA's online digital portal by the "due date", as defined in the dictionary at the end of this licence.

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

R1.8 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.

R1.9 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.

R1.10 The Annual Return, including the Statements of Compliance for Load Based Fee Calculation must be certified and signed by:

a. the licensee; or
b. by a person approved in writing by the EPA to sign on behalf of the licensee.

R2 Reporting documents

R2.1 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:
a) the date and time of the blast;
b) the location of the blast;
c) the blast monitoring results at each blast monitoring station; and
d) an explanation for any missing blast monitoring readings.

R3 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.

R3.1 Notifications must be made by telephoning the Environment Line service on 131 555.

R3.2 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.

R4 Written report

R4.1 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.

R4.2 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.

R4.3 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.

R4.4 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.

R5 Other notifications

Blast Exceedance Notification

R5.1 The licensee must report any exceedance of licence blasting limits to the EPA at 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

R5.2 The licensee must report any exceedance of licence noise limits to the EPA at info@epa.nsw.gov.au as soon as practicable after the exceedance becomes know to the licensee or to one of the licensee's employees or agents.

Notification of Pollution of Waters

R5.3 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 L1.1.

R5.4 The licensee must provide written details of the notification required by conditions R5.1 to R5.3 to the EPA at info@epa.nsw.gov.au within 7 days of the date of the notification.

R6 Other reporting conditions

HRSTS Reporting

R6.1 The licensee must compile a written report of the activities under the Hunter River Salinity Trading Scheme (HRSTS) 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 by email to info@epa.nsw.gov.au 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 HRSTS report.

Spontaneous Combustion Control Program Reporting

R6.2 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.

R6.3 The monthly summaries, assessments and maps must be retained by the licensee for not less than four (4) 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

R6.4 The licensee must supply the following information with the Annual Return:
a) The number of deliveries and the total quantity of waste oil received at the premises during the reporting period;
b) The results of all waste oil testing conducted in accordance with the conditions of this licence during the reporting period;
c) The total amount of waste oil used in blasting operations during the reporting period.

Sewage Treatment System Records

R6.5 The sewage treatment system maintenance program required by condition O2.6 must be submitted annually to the EPA with the Annual Return.

R6.6 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

R6.7 The licensee must provide the EPA with an Annual Heavy Plant Waste Tyre Disposal Report. The Report must be submitted with the Annual Return each year and must include a plan of the disposed heavy plant waste tyres on the premises for the period that includes:

(i) Each tyre serial number;
(ii) Supplier of each tyre;
(iii) Date the tyre was delivered to site;
(iv) Date that the tyre was disposed;
(v) Co-ordinates (eastings and northings) of the location of each tyre emplacement burial extent;
(vi) The Relative Level (RL), in metres AHD, of each tyre disposed;
(vii) The number of tyres buried in each emplacement location; and
(viii) The total number of tyres disposed at the premises in each reporting period.

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.

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.	13/02/2012
Particulate Matter Control Best Practice Implementation – Wheel Generated Dust	Implementation of particulate matter best management practices to address wheel-generated dust.	15/08/2014
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.	15/08/2014
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.	30/07/2014
Coal Mine Wind Erosion of Exposed Land Assessment	Assessment of predicted vs actual exposed land	23/01/2017
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.	24/09/2021
Enviro Dam Upgrade	Decommission and tag out redundant lines. - Relocate pipelines to within Enviro Dam catchment where possible - pipelines to be	7/12/2022

	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.	
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.	7/12/2022
Entrance Road Upgrade	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. 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	28/03/2023
Whites Creek Upgrade	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.	20/03/2023

McDonald Pit Upgrade	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. 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.	31/08/2023
Saddlers Creek Area Upgrade	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.	29/03/2023

8 Special Conditions

E1 Hunter River Salinity Trading Scheme

E1.1 Under the licence the licensee may only discharge saline water into Wollombi Brook when the flow in the brook exceeds 500ML/day, measured at the Bulga gauging station.

E1.2 The licensee must not exceed the hourly volume discharge limit calculated using the following formula, at any 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.

E1.3 test

E1.4 test

9 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 2002.*

E1.2 For the purpose of clause 23 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) A monthly summary of actions and procedures undertaken to prevent the development or to control the spread of spontaneous combustion at the premises;

(b) 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;

(c) 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

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 to the EPA at info@epa.nsw.gov.au by 31 December 2023, and then by 31 December every two years thereafter.

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 2022
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.
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2022
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2022
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
due date	Means: i) not later than 60 days after the end of each reporting period; or ii) in the case of a transferring licence - not later than 60 days after the date the transfer was granted.
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 the Environment Protection Authority of New South Wales.
EPA Online digital portal	Means eConnect EPA
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
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 Environment 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 described at the front of this licence
Licensing Fee Category (Regulation)	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2022.
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2022

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 of the 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 incident	Has the same meaning as in the Protection of the Environment Operations Act 1997
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 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.

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.
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 of the Protection of the Environment Operations (General) Regulation 2022

Felicity Bain
Unit Head Operations PLC
ENVIRONMENT PROTECTION AUTHORITY NSW

End Notes

Licence varied by notice POEO-59392, issued on 21-10-2026

Licence varied by notice POEO-3063, issued on 10-06-2026

Licence varied by notice POEO-3063, issued on 10-06-2026

Licence varied by notice 1656172 issued on 19-Feb-2026

Licence varied by notice 1647423 issued on 24-Jul-2025

Licence varied by notice 1634432 issued on 09-Jan-2024

Licence fee period changed by notice 1634038 on 20-Oct-2023

Licence varied by notice 1632438 issued on 10-Oct-2023

Licence varied by notice 1628719 issued on 22-Jun-2023

Licence varied by notice 1618758 issued on 08-Dec-2022

Licence varied by notice 1618135 issued on 13-Apr-2022

Licence varied by notice 1617689 issued on 07-Apr-2022

Licence varied by notice 1613003 issued on 18-Oct-2021

Licence varied by notice 1608347 issued on 26-Apr-2021

Licence varied by notice 1605888 issued on 01-Mar-2021

Licence varied by notice 1575720 issued on 30-Jul-2020

Licence varied by notice 1569901 issued on 17-Oct-2018

Licence varied by notice 1553710 issued on 24-Aug-2017

Licence varied by notice 1548186 issued on 19-May-2017

Licence varied by notice 1547149 issued on 20-Dec-2016

Licence varied by notice 1529785 issued on 09-Apr-2015

Licence varied by notice 1527897 issued on 05-Feb-2015

Licence varied by notice 1526528 issued on 14-Jan-2015

Licence varied by notice 1522184 issued on 30-Oct-2014

Licence varied by notice 1516107 issued on 05-Sep-2013

Licence varied by notice 1508974 issued on 21-Mar-2013

Licence varied by notice 1500568 issued on 08-Aug-2011

Licence varied by notice 1097728, issued on 12-Nov-2009, which came into effect on 12-Nov-2009.

Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>

Licence fee period changed by notice 1078948 approved on .

Licence varied by notice 1047821, issued on 05-Jul-2005, which came into effect on 30-Jul-2005.

Licence varied by notice 1041057, issued on 28-Oct-2004, which came into effect on 22-Nov-2004.

Licence varied by notice 1039546, issued on 31-Aug-2004, which came into effect on 25-Sep-2004.

Licence varied by notice 1034224, issued on 29-Mar-2004, which came into effect on 23-Apr-2004.

Licence varied by notice 1033345, issued on 23-Dec-2003, which came into effect on 17-Jan-2004.