

# Environment Protection Licence

Licence - 394

<b>Licence Details</b>	
Number:	394
Anniversary Date:	18-November

<b>Licensee</b>
ULAN COAL MINES LTD
PRIVATE MAIL BAG 3006
MUDGEES NSW 2850

<b>Premises</b>
ULAN COAL MINES
4505 ULAN ROAD
ULAN NSW 2850

<b>Scheduled Activity</b>
Coal works
Crushing, grinding or separating
Extractive activities
Mining for coal

<b>Fee Based Activity</b>	<b>Scale</b>
Coal works	> 5000000 T annual handling capacity
Crushing, grinding or separating	> 30000-100000 T annual processing capacity
Extractive activities	> 50000-100000 T annual capacity to extract or process
Mining for coal	> 5000000 T annual production capacity

<b>Region</b>
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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>ULAN COAL MINES LTD</b>
<b>PRIVATE MAIL BAG 3006</b>
<b>MUDGEES NSW 2850</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
Crushing, grinding or separating	Crushing, grinding or separating	> 30000 - 100000 T annual processing capacity
Extractive activities	Extractive activities	> 50000 - 100000 T annual capacity to extract or process
Mining for coal	Mining for coal	> 5000000 T annual production capacity

A1.2 Notwithstanding A1.1, the scale of extractive activities authorised under this licence must not exceed 100,000 tonnes per annum, being the amount equivalent to the extraction limit approved by the development consent granted under the *Environmental Planning and Assessment Act 1979* for the premises specified in A2.

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

A2.1 The licence applies to the following premises:

Premises Details
ULAN COAL MINES
4505 ULAN ROAD
ULAN
NSW 2850
LAND APPROVED UNDER PROJECT APPROVAL 08_0184 - INDICATED IN APPENDIX 1 - SCHEDULE OF LANDS PROJECT APPROVAL 08_0184, ULAN CONTINUED OPERATIONS PROJECT, APPROVED NOVEMBER 2010

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## A3 Information supplied to the EPA

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

In this condition the reference to "the licence application" includes a reference to:

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

## 2 Discharges to Air and Water and Applications to Land

### P1 Location of monitoring/discharge points and areas

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

<i>Air</i>			
EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
15	Dust monitoring		HV1 at Flannery's - indicated as high volume air sampler (HVAS) monitoring point 15 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
29	Dust monitoring		HV3 at 331 Cope Road - indicated as high volume air sampler (HVAS) monitoring point 29 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
30	Dust monitoring		PM10 TEOM at 331 Cope Road - indicated as PM10 TEOM monitoring point 30 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
32	Meteorological monitoring		Meteorological monitoring point - indicated as meteorological monitoring point 32 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).

- 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

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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
1	Discharge to land & volume monitoring	Discharge to land & volume monitoring	Effluent storage dam - indicated as water discharge & monitoring point No. 1 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
2	Discharge quality monitoring & discharge to waters	Discharge quality monitoring & discharge to waters	Miller's Dam - indicated as water discharge & monitoring point No. 2 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
3	Discharge quality monitoring & discharge to waters	Discharge quality monitoring & discharge to waters	Outlet from Rowans Dam to Ulan Creek - indicated as water discharge & monitoring point No. 3 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
4	Discharge quality monitoring & discharge to waters	Discharge quality monitoring & discharge to waters	Drain outlet from Truckfill dam to unnamed watercourse - indicated as water discharge & monitoring point No. 4 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
6	Discharge quality monitoring & discharge to waters	Discharge quality monitoring & discharge to waters	Discharge to Ulan Creek from the Bobadeen Water Treatment Facility - indicated as water discharge & monitoring point No. 6 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
18	Water quality monitoring		Downstream Goulburn River gauging station water quality monitoring point - indicated as water discharge & monitoring point No. 18 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).



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19	Discharge quality monitoring & discharge to waters	Discharge quality monitoring & discharge to waters	Discharge to Ulan Creek from the Northwest Sediment Dam (NWSD) Water Treatment Facility - indicated as water discharge & monitoring point No. 19 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
23	Discharge quality monitoring & discharge to waters	Discharge quality monitoring & discharge to waters	Ulan West Box clean water diversion - indicated as water discharge & monitoring point No. 23 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).
33	Water quality monitoring		Upstream Goulburn River Gauging Station water quality monitoring point - indicated as water discharge & monitoring point No. 33 on figure Ulan Coal Mines Ltd EPL Monitoring Locations received by the EPA on 28/9/2016 (DOC16/434526-01).

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
24	Noise monitoring	Lot 27 DP 750735 - Monitoring location NM7
25	Noise monitoring	Lot 1 DP 876943 - Monitoring location NM8
26	Noise monitoring	Lot 1 Section 2 DP 759017 - Ulan Public School
34	Air blast overpressure & ground vibration peak particle velocity monitoring	Lot 1 Section 2 DP 759017 - Ulan Public School
35	Air blast overpressure & ground vibration peak particle velocity monitoring	Lot 27 DP 750735 - Monitoring location NM7
36	Noise monitoring	Lot 12; DP734934
37	Noise monitoring	Lot 11; DP 734934
38	Noise monitoring	All privately owned land
39	Noise monitoring	All privately owned land during construction of facilities associated with 08_0184 MOD 4

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## 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 1

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre				810
pH	pH				6.5-8.5

#### POINT 2

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre				900
Iron	milligrams per litre				5
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5

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Total suspended solids	milligrams per litre	50
Zinc	milligrams per litre	5

## POINT 3

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre	800			900
Iron	milligrams per litre				5
Oil and Grease	micrograms per litre				10
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50
Zinc	milligrams per litre				5

## POINT 4

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre				900
Iron	milligrams per litre				5
Oil and Grease	milligrams per litre				10
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50
Zinc	milligrams per litre				5

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## POINT 6

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre	800			900
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

## POINT 19

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Conductivity	microsiemens per centimetre	800			900
pH	pH				6.5-8.5
Total suspended solids	milligrams per litre				50

### 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
1	kilolitres per day	85
2	kilolitres per day	600
3	megalitres per day	10
4	megalitres per day	2
6	megalitres per day	15
19	megalitres per day	30

- L3.2 The combined daily discharge from licence points 3, 6 and 19 must not exceed 30 megalitres per day.

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## 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	Concrete	Concrete as defined in Schedule 1 of the POEO Act, as in force from time to time	Waste disposal (application to land)	400 tonnes per annum of waste generated on the premises
T140	Tyres	Heavy vehicle waste tyres generated onsite	Waste disposal (application to land)	The total volume of tyres disposed of at the premises must not exceed 650 tonnes per annum

## L5 Noise limits

L5.1 Noise generated at the premises that is measured at each noise monitoring point established under this licence must not exceed the noise levels specified in Column 4 of the table below for that point during the corresponding time periods specified in Column 1 when measured using the corresponding measurement parameters listed in Column 2.

### POINT 24

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	-	38
Evening	LAeq (15 minute)	-	38
Night	LAeq (15 minute)	-	37

### POINT 24,25

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
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Night	LA1	-	45
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**POINT 25**

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	-	37
Evening	LAeq (15 minute)	-	37
Night	LAeq (15 minute)	-	36

**POINT 26**

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	-	35
Evening	LAeq (15 minute)	-	35

**POINT 36,37**

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	-	41
Evening	LAeq (15 minute)	-	38
Night	LAeq (15 minute)	-	38
Night	LA1	-	52

**POINT 38**

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	-	35
Evening	LAeq (15 minute)	-	35
Night	LAeq (15 minute)	-	35
Night	LA1	-	45

**POINT 39**

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Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	LAeq (15 minute)	-	40
Evening	LAeq (15 minute)	-	35
Night	LAeq (15 minute)	-	35
Night	LA1	-	52

- Note:
1. The above noise limits do not apply at properties where the licensee has a written agreement with the landowner to exceed the noise limits.
  2. The noise limits for licence point 26 identified in condition L5.1 are applicable when in use only and when measured internally.
  3. The noise limits for licence points 36, 37 and 39 apply only during the construction of surface infrastructure allowable under Project Approval 08\_0184 MOD 4.

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

- 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

L5.3 The noise limits set out in condition L5.1 apply under all meteorological conditions except for the following:

- a) Wind speeds greater than 3 metres/second at 10 metres above ground level; or
- b) Stability category F temperature inversion conditions and wind speeds greater than 2 metres/second at 10 metres above ground level; or
- c) Stability category G temperature inversion conditions.

L5.4 For the purpose of condition L5.3:

- a) Data recorded by the meteorological station identified as EPA Licence Point 32 must be used to determine meteorological conditions; and
- b) Temperature inversion conditions (stability category) are to be determined by the sigma-theta method referred to in Part E4 of Appendix E to the NSW Industrial Noise Policy.

L5.5 To determine compliance:

- a) with the Leq(15 minute) noise limits in condition L5.1, the noise measurement equipment must be located:
  - i) approximately on the property boundary, where any dwelling is situated 30 metres or less from the property boundary closest to the premises; or

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ii) within 30 metres of a dwelling façade, but not closer than 3 metres where any dwelling on the property is situated more than 30 metres from the property boundary closest to the premises; or, where applicable  
 iii) within approximately 50 metres of the boundary of a National Park or Nature Reserve

b) with the LA1(1 minute) noise limits in condition L5.1, the noise measurement equipment must be located within 1 metre of a dwelling façade.

c) with the noise limits in condition L5.1, the noise measurement equipment must be located:

i) at the most affected point at a location where there is no dwelling at the location; or

ii) at the most affected point within an area at a location prescribed by conditions L5.5(a) or L5.5(b).

L5.6 A non-compliance of L5.1 will still occur where noise generated from the premises in excess of the appropriate limit is measured:

(a) at a location other than an area prescribed by condition L5.5(a) and L5.5(b); and/or

(b) at a point other than the most affected point at a location.

L5.7 For the purposes of determining the noise generated at the premises the modification factors in Fact Sheet C of the Noise Policy for Industry (NSW EPA, 2017) must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.

## L6 Blasting

L6.1 Operation blasting at the premises is limited to 1 blast per day, unless an additional blast is required following a blast misfire.

L6.2 Operational blasting in or on the premises must only be carried out between 9 am and 5 pm, Monday to Saturday. Operational blasting in or on the premises must not take place on Sundays or Public Holidays without the prior approval of the EPA.

L6.3 Construction blasting shall only be carried out at the premises between 7 am and 7 pm daily where the overpressure and ground vibration levels are designed and predicted to not exceed 95 dB(A) and 1 mm/sec respectively at all privately owned buildings.

L6.4 Operational blasting is defined as *"a blast which is associated with mining activities such overburden and coal blasts and includes blasting which is associated with quarrying activities."*

Construction blasting is defined as *"a blast associated with the construction of mining infrastructure"*.

L6.5 The airblast overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.

L6.6 The airblast overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.



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L6.7 Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/sec at any noise sensitive locations for more than five per cent of the total number of blasts over each reporting period. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.

L6.8 Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/sec at any time at any noise sensitive locations. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.

Note: 1. The airblast overpressure and ground vibration levels in conditions L6.5 to L6.8 do not apply at noise sensitive locations that are owned by the licensee or subject to a private agreement, relating to airblast overpressure and ground vibration levels, between the licensee and land owner.  
2. "Noise sensitive locations" includes buildings used as a residence, hospitals, school, child care centres, places of public worship and nursing homes. A noise sensitive location includes the land within 30 metres of the building.

L6.9 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.*

## L7 Hours of operation

L7.1 The hours of operation at the Bobadeen Quarry are limited to 7am to 6pm Monday to Friday.

## 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

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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:
- must be maintained in a proper and efficient condition; and
  - must be operated in a proper and efficient manner.

## O3 Dust

- O3.1 All areas in or on the premises must be maintained in a condition that prevents or minimises the emission into the air of air pollutants (which includes dust).
- O3.2 Any activity in or on the premises must be carried out by such practicable means as to prevent or minimise the emission into the air of air pollutants (which includes dust).
- O3.3 Any plant in or on the premises must be operated by such practicable means as to prevent or minimise the emission into the air or air pollutants (which includes dust).

## O4 Processes and management

- O4.1 The licensee must ensure that all chemicals, fuels and oils stored at the premises are contained within appropriately designed bunded areas that meet the following requirements:
- comply with any relevant Australian Standards for the liquids being stored; and
  - have impervious flooring and walls; and
  - have a minimum capacity of 110% of the volume of the largest container stored within the bund.

Note: Additional information on bunding design, construction and maintenance can be found in the EPA's Guide: *"Storing and Handling Liquids: Environmental Protection, Participants Manual"*

## 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:
- in a legible form, or in a form that can readily be reduced to a legible form;
  - kept for at least 4 years after the monitoring or event to which they relate took place; and
  - 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

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this 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 15,29

Pollutant	Units of measure	Frequency	Sampling Method
Total suspended particles	micrograms per cubic metre	Every 6 days	AM-15

#### POINT 30

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

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

#### POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Biochemical oxygen demand	milligrams per litre	Monthly during discharge	Grab sample
Electrical conductivity	microsiemens per centimetre	Monthly during discharge	Grab sample
Nitrogen	milligrams per litre	Monthly during discharge	Grab sample
Oil and Grease	milligrams per litre	Monthly during discharge	Grab sample
pH	pH	Monthly during discharge	Probe

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Phosphorus (total)	milligrams per litre	Monthly during discharge	Grab sample
Total suspended solids	milligrams per litre	Monthly during discharge	Grab sample

**POINT 2,3,4**

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Daily during any discharge	Grab sample
Iron	milligrams per litre	Daily during any discharge	Grab sample
Oil and Grease	milligrams per litre	Daily during any discharge	Grab sample
pH	pH	Daily during any discharge	Grab sample
Total suspended solids	milligrams per litre	Daily during any discharge	Grab sample
Zinc	milligrams per litre	Daily during any discharge	Grab sample

**POINT 6,19**

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Continuous during discharge	Continuously
pH	pH	Continuous during discharge	Continuously
Total suspended solids	micrograms per litre	Special Frequency 1	Grab sample
Turbidity	nephelometric turbidity units	Continuous during discharge	Probe

**POINT 18**

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Continuous during discharge	Continuously
pH	pH	Continuous during discharge	Continuously

**POINT 23**

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Daily during any discharge	Grab sample
pH	pH	Daily during any discharge	Grab sample
Total suspended solids	milligrams per litre	Daily during any discharge	Grab sample

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## POINT 33

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	microsiemens per centimetre	Continuous during discharge	Continuously

Note: Special Frequency 1 means collection of a sample weekly when a discharge occurs on the scheduled sampling day.

Note: For the purposes of conditions M2.2 and M2.3, continuous monitoring is defined as uninterrupted monitoring that occurs over a specified timeframe. Continuous monitoring should only be interrupted during planned equipment maintenance

M2.4 When continuous monitoring equipment is unavailable for a period of time greater than 48 hours, the licensee must notify the EPA to determine whether equivalent manual sampling, testing or estimation needs to be undertaken on a daily basis at the monitoring point(s) identified under M2.2 and M2.3 prior to the return to service of the monitoring equipment.

### 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 2010* 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 The meteorological weather station must be maintained so as to be capable of continuously monitoring the parameters specified in condition M4.2.

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M4.2 For each monitoring point specified below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified opposite in the other columns.

Point 32

Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method
Wind direction	Degrees	Continuous	15 minute	AM-2 & AM-4
Wind speed	Metres per second	Continuous	15 minute	AM-2 & AM-4
Sigma theta	Degrees	Continuous	15 minute	AM-2 & AM-4
Rainfall	Millimetres	Continuous	15 minute	AM-4
Air Temperature	Degrees celcius	Continuous	1 hour	AM-4
Relative humidity	Percent	Continuous	1 hour	AM-4

Note: For the purposes of conditions M4.1 and M4.2, continuous monitoring is defined as uninterrupted monitoring that occurs over a specified timeframe. Continuous monitoring should only be interrupted during planned equipment maintenance.

M4.3 When the meteorological station is unavailable for a period of time greater than 48 hours, the licensee must notify the EPA and state what alternative weather monitoring arrangements will be put in place until the return to service of the meteorological station.

## 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.

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## 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.

## 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 1

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	By Calculation (volume flow rate or pump capacity multiplied by operating time)

### POINT 2

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	By Calculation (volume flow rate or pump capacity multiplied by operating time)

### POINT 3

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	Weir structure and level sensor

### POINT 4

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	By Calculation (volume flow rate or pump capacity multiplied by operating time)

### POINT 6

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

### POINT 19

Frequency	Unit of Measure	Sampling Method
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Continuous during discharge

kilotres per day

Flow meter and continuous logger

Note: For the purposes of conditions M7.1, continuous monitoring is defined as uninterrupted monitoring that occurs over a specified timeframe. Continuous monitoring should only be interrupted during planned equipment maintenance.

M7.2 When continuous monitoring equipment is unavailable for a period of time greater than 48 hours, the licensee must notify the EPA to determine whether equivalent manual sampling, testing or estimation needs to be undertaken on a daily basis at the monitoring point(s) identified under M7.1 prior to the return to service of the monitoring equipment.

## M8 Blasting

M8.1 To determine compliance with conditions L6.5, L6.6, L6.7 and L6.8:

- a) Airblast overpressure and ground vibration levels must be measured and electronically recorded for monitoring points 34 and 35 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 2187.2-2006

Note: Blast monitoring at licence point 35 is required only to monitor blasts associated with the Bobadeen Quarry.

## M9 Other monitoring and recording conditions

M9.1 To assess compliance with the noise limits in condition L5.1, attended noise monitoring must be undertaken in accordance with condition L5.5 and the Noise Management Plan approved by the Department of Planning, Industry and Environment as part of Project Approval 08\_0184.

## 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,



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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 a copy of the form that must be completed and returned to the EPA.

- R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.
- 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.
- 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.
- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- a) the licence holder; or
  - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

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.

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

## R2 Notification of environmental harm

- 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 the incident occurred.

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

## R4 Other reporting conditions

### Reporting of Blasting Monitoring

- R4.1 The licensee must report any exceedence of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedence becomes known to the licensee or to one of the licensee's employees or agents.

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## 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
Design, commission and operate a wastewater irriga	Design, commission and operate a wastewater irrigation storage at Bobadeen. In managing the salinity discharges to Ulan Creek develop an appropriate salinity target, design, and operate a wastewater irrigation program, develop a salinity off-set program. . Cease discharge of minewater from Rowans Dam and the Bobadeen irrigation storage to Ulan Creek which straddles the upper Hunter and Macquarie river catchments. Mine will be able to continue to operate with overall neutral to beneficial impact on saltload	30-March-2003
Trial use of a Reverse Osmosis Plant. Long term wa	This PRP is a trial for period of 5 months. Ulan Coal is trialling the use of a Reverse Osmosis Plant to treat highly saline water to a level which will allow it to be discharged into Ulan Creek. A long term water management plan is to be developed.. Improve water quality being discharged from the Bobadeen Dam to the Ulan Creek. Ulan Coal will develop a long term waste water management plan.(@)	13-November-2006
PRP 4 - Noise Reduction Plan	Noise reduction program. Reduce noise levels in the Ulan village.(+)	31-July-2011
Coal Mine Particulate Matter Control Best Practice	Site specific determination of particulate matter control against best practice.	02-July-2012
Water Management System Upgrade	Upgrade various components of the water management system including the installation of a water treatment plant, pipework, pumps etc	30-June-2017
Particulate Matter Control Best Practice Implementation– Wheel Generated Dust	Implementation of particulate matter best management practices to address wheel-generated dust.	15-August-2014

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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.	14-April-2014
Supply Line Upgrade & Discharge Fault Response	Replacement of the Miller's Dam and CHPP supply lines and installation of fault system response at licence point 19.	29-April-2014

## 8 Special Conditions

### E1 Salinity Offset Program

- E1.1 a) The licensee must implement the approved Salinity Offset Program as specified by the following documents:
- i) UCML Environmental Management System (2 December 2002),
  - ii) Ulan Mine Area – Impacts of Proposed Landuse and Management Changes on Catchment Water and Salt Yields, NSW Department of Land and Water Conservation (February 2003),
  - iii) Ulan Mine Area – Impacts on Proposed Landuse and Management Changes on Catchment Water and Salt Yields – Supplementary Report, NSW Department of Land and Water Conservation (May 2009),
  - iv) Ulan Coal Mines Salinity Offset Monitoring and Reporting Program (April 2005), and
  - v) the salinity offset area defined in the figure "Salinity Offset Scheme Area" received by the EPA 6 September 2013.
- b) The Salinity Offset Program must offset the residual salinity loads generated by the Bobadeen Irrigation Area over the life of the Bobadeen Irrigation Program, and its associated salinity load impacts, and when fully implemented, must achieve an offset ratio of 1:1.5.
- c) To achieve an offset ratio of 1:1.5 and/or make changes to improve the Salinity Offset Program, the licensee may vary any aspect of the approved Program provided the proposed variation is submitted to and approved in writing by the EPA.
- d) Reporting on the Salinity Offset Program will be included in the Annual Review report prepared in accordance with Project Approval 08\_0184.

### E2 Residual Dewatering Facility (RDF) Cake Disposal

- E2.1 With each Annual Return required by condition R1.1 of the licence, commencing with the 2016/17 Annual Return, the licensee must provide a written report to the EPA which:

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(a) summarises for each load of RDF Cake disposed of at the premises, the dates, times, estimated weight and person disposing of each load of RDF Cake; and

(b) assesses the impacts of disposing of RDF Cake in the Barrier Pit, which includes the identification of any trends, taking into consideration baseline data as a results of background sampling previously undertaken and the ongoing quarterly impact assessment sampling undertaken.

## **E3 Stabilisation of Clean Water Diversion and Rehabilitation Area**

E3.1 No discharge from the Peanut Dam is permitted until such time as the licensee provides a report that demonstrate that upgrades to the premises clean water diversion and rehabilitation areas have been suitably vegetated and stabilised such that rainfall runoff entering the Peanut dam from the diversion and the rehabilitated areas is clean.

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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> .

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<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

Mr Bernie Weir

Environment Protection Authority

(By Delegation)

Date of this edition: 17-January-2001



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## End Notes

- 1 Licence varied by notice 1021999, issued on 11-Mar-2003, which came into effect on 27-Mar-2003.
- 2 Licence varied by notice 1026153, issued on 28-Mar-2003, which came into effect on 22-Apr-2003.
- 3 Licence varied by notice 1036604, issued on 28-Apr-2004, which came into effect on 23-May-2004.
- 4 Licence varied by notice 1041569, issued on 02-Feb-2005, which came into effect on 27-Feb-2005.
- 5 Licence varied by notice 1049622, issued on 16-Aug-2005, which came into effect on 16-Aug-2005.
- 6 Licence varied by notice 1054658, issued on 19-Dec-2005, which came into effect on 13-Jan-2006.
- 7 Licence varied by notice 1060870, issued on 13-Jun-2006, which came into effect on 13-Jun-2006.
- 8 Licence varied by notice 1074527, issued on 20-Jun-2007, which came into effect on 20-Jun-2007.
- 9 Licence varied by notice 1080137, issued on 06-Mar-2008, which came into effect on 06-Mar-2008.
- 10 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 11 Licence varied by notice 1098936, issued on 05-Jun-2009, which came into effect on 05-Jun-2009.
- 12 Licence varied by notice 1102885, issued on 14-Oct-2009, which came into effect on 14-Oct-2009.
- 13 Licence varied by notice 1111565, issued on 16-Feb-2010, which came into effect on 16-Feb-2010.
- 14 Licence varied by notice 1122829, issued on 17-Dec-2010, which came into effect on 17-Dec-2010.
- 15 Licence varied by notice 1125659, issued on 08-Mar-2011, which came into effect on 08-Mar-2011.
- 16 Licence varied by notice 1127001, issued on 13-Jul-2011, which came into effect on 13-Jul-2011.
- 17 Licence varied by notice 1502219 issued on 08-Dec-2011
- 18 Licence varied by notice 1503258 issued on 22-Dec-2011

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19	Licence varied by notice	1505816 issued on 10-May-2012
20	Licence varied by notice	1511166 issued on 22-Mar-2013
21	Licence varied by notice	1515518 issued on 16-Aug-2013
22	Licence varied by notice	1516816 issued on 09-Oct-2013
23	Licence varied by notice	1520906 issued on 17-Mar-2014
24	Licence varied by notice	1524598 issued on 18-Sep-2014
25	Licence varied by notice	1527455 issued on 22-Dec-2014
26	Licence varied by notice	1527786 issued on 28-Jan-2015
27	Licence varied by notice	1538276 issued on 22-Apr-2016
28	Licence varied by notice	1544872 issued on 12-Oct-2016
29	Licence varied by notice	1578434 issued on 30-May-2019
30	Licence varied by notice	1581134 issued on 24-Jun-2019
31	Licence varied by notice	1585375 issued on 17-Oct-2019
32	Licence varied by notice	1590646 issued on 16-Jan-2020