

Licence Variation

Licence - 394



ULAN COAL MINES LTD,
ABN 80 000 189 248,
ULAN RD,
ULAN NSW 2850

Attention: Mr. Phil English

Notice Number 1080137
File Number 260564
Date 06-Mar-2008

NOTICE OF VARIATION OF LICENCE NO. 394

BACKGROUND

- A. ULAN COAL MINES LTD ("the licensee") is the holder of Environment Protection Licence No. 394 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of Scheduled Activity - Premises Based at 4505 ULAN ROAD, ULAN, NSW.
- B. The Annual Environmental Management Report meeting undertaken on the 13 September 2007 in conjunction with the NSW Department of Primary Industries identified that the EPA would need to vary licence 394 to include blasting limits and deposited dust monitoring conditions to bring the licence into line with current licensing standards.
- C. Ulan Coal Mine also submitted their Noise Reduction Plan (NRP) on the 2 August 2007. The NRP identified a number of actions to ensure mitigation of mine noise at the premises.
- D. By this notice, the EPA varies licence 394 to include blast limit conditions, deposited dust monitoring conditions, and a PRP condition requiring mitigation of mine noise in accordance with the NRP. In addition, the notice also includes a number of minor formatting changes consistent with recent changes to all environment protection licences.

VARIATION OF LICENCE NO. 394

1. By this notice the EPA varies licence No. 394 as set out in the Appendix. The Appendix contains a copy of the provisions of the licence marked with the variations that are made to it by this notice.
2. The variations to the licence are indicated in the following way:
 - if a strike through mark appears through any word or other text (eg. ~~Solids or~~) this indicates that the word or other text is deleted from the licence by this notice; and
 - if a double underline appears under any word or other text (eg. must be treated) this indicates that the word or other text is added to the licence by this notice.

Licence Variation

Licence - 394



.....
Mr Darryl Clift
Head Regional Operations Unit
North West - Bathurst
(by Delegation)

INFORMATION ABOUT THIS NOTICE

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

Appeals against this decision

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

When this notice begins to operate

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

Environment Protection Licence

Licence - 394

**Licence Details**

Number:	394
Anniversary Date:	18-November
Review Due Date:	18-Oct-2009

Licensee

ULAN COAL MINES LTD
 PRIVATE MAIL BAG ULAN RD
 MUDGEELUAN NSW 2850

Licence Type

Premises

Premises

ULAN COAL MINES LIMITED
 4505 ULAN ROAD
 ULAN NSW 2850

Scheduled Activity

Coal Mines
 Coal Works

Fee Based Activity

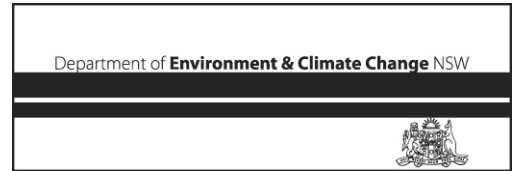
Fee Based Activity	Scale
Coal Mining (26)	> 5000000 - T produced
Coal Loading (28)	> 5000000 - T loaded

Region

North West - Bathurst
 219 Howick Lvl 2, 203-209 Russell Street
 BATHURST NSW 2795
 Phone: 02 6332 7600
 Fax: 02 6332 2387 7630
 PO Box 1388 BATHURST
 NSW 2795

Environment Protection Licence

Licence - 394



Public register and access to monitoring data.....	3
P1 Location of monitoring/discharge points and areas.....	3
L3 Concentration limits.....	3
L4 Volume and mass limits	5
L6 Noise Limits	5
L7 Blasting limits	5
M2 Requirement to monitor concentration of pollutants discharged.....	6
M6 Requirement to monitor volume or mass	7
POLLUTION STUDIES AND REDUCTION PROGRAMS	8
U1 Noise Reduction Plan	8

Environment Protection Licence



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:

ULAN COAL MINES LTD
PRIVATE MAIL BAGULAN RD
MUDGEELAN NSW 2850

subject to the conditions which follow.

P1 Location of monitoring/discharge points and areas

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

Air

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Description of Location
5	Dust Monitoring	Dust Monitoring	At various locations as specified in a map titled DWR No.MP04896 prepared by Ulan Coal Mines Ltd on 29/02/04.

L3 Concentration limits

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

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

Environment Protection Licence

Licence - 394



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.

Air

POINT 5

Pollutant	Units of measure	100 percentile concentration limit
Particulates - Deposited Matter	grams per square metre per month	3

Water and Land

POINT 2

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile Concentration Limit
Conductivity	µS/cm microsiemens per centimetre				810
Iron	mg/L milligrams per litre				5
Oil and Grease	mg/L milligrams per litre				10
pH	pH				6.5 to 8.5
Zinc	mg/L 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
Iron	mg/L milligrams per litre				5
Oil and Grease	mg/L milligrams per litre				10
pH	pH				6.5 to 8.5
Zinc	mg/L 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
Iron	mg/L milligrams per litre				5
Oil and Grease	mg/L milligrams per litre				10
pH	pH				6.5 to 8.5
Zinc	mg/L milligrams per litre				5

Environment Protection Licence

Licence - 394



POINT 6

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile Concentration Limit
Conductivity	uS/cm microsiemens per centimetre	800			900
pH	pH				6.5 to 8.5

L4 Volume and mass limits

L4.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:

- (a) liquids discharged to water; or;
- (b) solids or liquids applied to the area;

must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of measure	Volume/Mass Limit
1	KL/kilolitres per day	85
2	KL/kilolitres per day	600
4	KL/kilolitres per day	2000
6	KL/kilolitres per day	15000

L6 Noise Limits

L6.1 Not applicable.

L7 Blasting limits

L7.1 The airblast overpressure level from blasting operations in or on the premises must not exceed:

- (a) 115 dB (Ln Peak) for more than 5% of the total number of blasts during each reporting period;
- and
- (b) 120 dB (Ln Peak) at any time.

At any point within the grounds of noise and vibration sensitive locations and within 30 metres of any residence or other noise sensitive location such as school or hospital.

L7.2 The ground vibration peak particle velocity from blasting operations carried out in or on the premises must not exceed:

Environment Protection Licence

Licence - 394



- (a) 5mm/s for more than 5% of the total number of blasts carried out on the premises during each reporting period, and
- (b) 10 mm/s at any time.

At any point within the grounds of noise and vibration sensitive locations and within 30 metres of any residence or other noise sensitive location such as a school or hospital

L7.3 Blasting in or on the premises must only be carried out between 9 hours and 5 hours, Monday to Saturday. Blasting in or on the premises must not take place on Sundays or Public Holidays without the prior approval of the EPA.

L7.4 Blasting at the premises is limited to 1 blast per day, 1 blast per week on the days on which blasting is permitted.

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:

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	uS/cm/microsiemens per centimetre	Daily during any discharge	Representative sample
Oil and grease (Wet)	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Zinc	mg/L/milligrams per litre	Daily during any discharge	Representative sample
pH (Wet)	pH	Daily during any discharge	Representative sample

POINT 3

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	uS/cm/microsiemens per centimetre	Continuous during discharge	Continuously
Iron	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Sulfate	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Total suspended solids	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Zinc	mg/L/milligrams per litre	Daily during any discharge	Representative sample
pH (Wet)	pH	Daily during any discharge	Representative sample

POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Iron	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Oil and Grease	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Sulfate	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Total suspended solids	mg/L/milligrams per litre	Daily during any discharge	Representative sample
Zinc	mg/L/milligrams per litre	Daily during any discharge	Representative sample
pH (Wet)	pH	Daily during any discharge	Representative sample

Environment Protection Licence

Licence - 394



POINT 5

Pollutant	Units of measure	Frequency	Sampling Method
Ash Particulates - Deposited Matter	g/m ² /m ² per square metre per month	Monthly/Continuous	Australian Standard 3580.10.1-1991 A.M.C. 19
Combustible solids	g/m ² /month	Monthly	Australian Standard 3580.10.1-1991
Total Solid Particles	g/m ² /month	Monthly	Australian Standard 3580.10.1-1991

POINT 6

Pollutant	Units of measure	Frequency	Sampling Method
Conductivity	uS/cm/microsiemens per centimetre	Continuous during discharge	Continuously
pH (Wet)	pH	Daily during any discharge	Representative sample

M6 Requirement to monitor volume or mass

M6.1 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	KL/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	KL/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	KL/kilolitres per day	By Calculation (volume flow rate or pump capacity multiplied by operating time)

POINT 4

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

Environment Protection Licence

Licence - 394



POINT 6

Frequency	Unit Of Measure	Sampling Method
Daily during any discharge	KL Lilitres per day	Magnetic flow meter

Pollution studies and reduction programs

U1 Noise Reduction Plan

U1.1 The licensee must implement the Noise Reduction Plan titled: Ulan Coal Mine. Prioritisation of Noise Mitigation; report number 97306-K, version B; prepared by Wilkinson Murray Pty Ltd, June 2007; as submitted to the EPA on the 2 August 2007 with amendments contained in Appendum A – Amended Noise Reduction Plan submitted to DECC19 February 2008.

U1.2 The licensee must carry out those activities identified in Appendum A – Amended Noise Reduction Plan submitted to DECC 19 February 2008 to ensure that noise reductions are met. The staged noise reduction actions, and supplementary actions must be completed by the dates specified in Appendum A – Amended Noise Reduction Plan.