

Licence Variation



Licence - 12559

BROKEN HILL OPERATIONS PTY LTD
PO BOX 5073
BROKEN HILL NSW 2880

Attention: Devon Roberts

Notice Number 1641901
File Number EF13/4102
Date 18-Mar-2025

NOTICE OF VARIATION OF LICENCE NO. 12559

BACKGROUND

- A. BROKEN HILL OPERATIONS PTY LTD (“the licensee”) is the holder of Environment Protection Licence No. 12559 (“the licence”) issued under the *Protection of the Environment Operations Act 1997* (“the Act”). The licence authorises the carrying out of activities at EYRE STREET, BROKEN HILL, NSW, 2880 (“the premises”).
- B. On 31-Jul-2024 the Environment Protection Authority (EPA) received an application for the variation of the licence. The application requested the removal of completed components of the Pollution Reduction Program Condition U1 Water Management Review and Remediation Works and an extension in time for the remaining components.
- C. The EPA reviewed the request and noted that U1.1 was completed in 2023, and the report required for U1.3 was submitted to the EPA on 30 September 2023. The request for extensions for the remaining components of the Pollution Reduction Program is to allow for additional investigations to be carried out and implemented onsite. The EPA discussed the variation with the licensee on 9 September 2024 and 27 February 2025.
- D. On 14 March 2025 a draft licence variation was emailed to the licensee for comment.
- E. On 17 March 2025 the licensee sent an email to the EPA accepting the draft variation.
- F. s45 has been considered during the completion of the variation.

VARIATION OF LICENCE NO. 12559

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1. By this notice the EPA varies licence No. 12559. The attached licence document contains all variations that are made to the licence by this notice.
2. The following variations have been made to the licence:
 - Condition U1.1 – Removed - action was completed in 2023.
 - Condition U1.2 – Updated to Condition U1.1 and completion date has been extended to 30 June 2026.
 - Condition U1.3 – Removed - action was completed on 30 September 2023.
 - Condition U1.4 - Updated to Condition U1.2 and completion date has been extended to 31 August 2025.
 - Condition U1.5 – Updated to Condition U1.3 and completion date has been extended to 30 June 2026.

A handwritten signature in blue ink that reads 'Briohny Seaman'.

.....
Briohny Seaman
Unit Head
Environment Protection Authority
(by Delegation)

INFORMATION ABOUT THIS NOTICE

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

Appeals against this decision

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

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

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the Land and Environment Court confirms the decision or the appeal is withdrawn (whichever occurs first).

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Licence Details

Number:	12559
Anniversary Date:	02-November

Licensee

BROKEN HILL OPERATIONS PTY LTD
 PO BOX 5073
 BROKEN HILL NSW 2880

Premises

CONSOLIDATED MINING LEASE 7
 EYRE STREET
 BROKEN HILL NSW 2880

Scheduled Activity

Crushing, grinding or separating
 Mining for minerals

Fee Based Activity

Scale

Crushing, grinding or separating	> 100000-500000 T annual processing capacity
Mining for minerals	> 100000-500000 T annual production capacity

Contact Us

NSW EPA
 6 Parramatta Square
 10 Darcy Street
 PARRAMATTA NSW 2150
 Phone: 131 555
 Email: info@epa.nsw.gov.au

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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:

BROKEN HILL OPERATIONS PTY LTD
PO BOX 5073
BROKEN HILL NSW 2880

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
Crushing, grinding or separating	Crushing, grinding or separating	> 100000 - 500000 T annual processing capacity
Mining for minerals	Mining for minerals	> 100000 - 500000 T annual production capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
CONSOLIDATED MINING LEASE 7
EYRE STREET
BROKEN HILL
NSW 2880
WILLYAMA COMMON, RESERVE 2421

A3 Other activities

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

Ancillary Activity
Chemical storage
Concrete batching
Metallurgical activities
Railway system activities

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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.

A4.2 For the purposes of condition A3.1 the licence application includes:

- 1) The Project Approval issued by the Department of Planning and Infrastructure on 31 January 2011;
- 2) The Project Approval modification titled "Rasp Mine Mod 1" issued by the Department of Planning and Infrastructure issued on 16 March 2012;
- 3) The Environmental Assessment titled "Final Report - Rasp Mine" dated July 2010;
- 4) The Environmental Assessment titled "Rasp Mine - Preferred Project Report" dated September 2010;
- 5) The Broken Hill Operations Pty Ltd Rasp Mine "Noise and Blast Management Plan" submitted to the EPA on the 14 October 2011.
- 6) The Environmental Assessment titled "Rasp Mine - Relocation of Ventilation Shaft" dated November 2011;
- 7) The Broken Hill Operations Pty Ltd Rasp Mine "Air Quality Management Plan" submitted to the EPA in March 2011;
- 8) The Broken Hill Operations Pty Ltd Rasp Mine "Site Water Management Plan" dated 20 March 2012 and;
- 9) The Broken Hill Operations Pty Ltd Rasp Mine "Construction and Operations Manual for Tailing Storage in Blackwood Pit" submitted to the EPA in April 2012.
- 10) The "Blackwoods Pit TSF Operations and Maintenance Plan" submitted to the EPA on 22 July 2022 as part of licence variation application no.1620908.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

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

Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
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1	Dust and blast monitoring	Ventilation shaft labelled 'Proposed exhaust shaft location' in Figure 2 titled "Ventilation rise alternate location" in the environmental assessment titled "Rasp Mine Variation to Project - Relocation of Ventilation Shaft" dated November 2011
2	Dust process plant monitoring	Process enclosure/Baghouse stack labelled 'Primary crusher & Dust extraction unit' in Figure 2-4 titled "Plant Layout" in the environmental assessment titled "Rasp Mine - Preferred Project Report" dated September 2010.
3	Dust monitoring	Dust deposition gauge labelled D1 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
4	Dust monitoring	Dust deposition gauge labelled D2 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
5	Dust Monitoring	Dust deposition gauge labelled D3 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
6	Dust Monitoring	Dust deposition gauge labelled D4 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
7	Dust monitoring	Dust deposition gauge labelled D5 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
8	Dust monitoring	Dust deposition gauge labelled D6 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
9	Dust monitoring	Dust deposition gauge labelled D7 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
10	Dust monitoring	High volume dust sampler labelled TSP-HVAS on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
11	Dust monitoring	High volume dust sampler labelled PM10-HVAS1 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
12	Dust monitoring	High volume dust sampler labelled PM10-HVAS2 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
13	Dust monitoring	Tapered element oscillating microbalance sampler labelled TEOM1 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06

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14	Dust monitoring	Tapered element oscillating microbalance sampler labelled TEOM2 on map "Figure 1" submitted to the EPA on 02/03/12 and kept on EPA file LIC07/2213-06
57	Dust monitoring	High volume dust sampler labelled HVAS3 on Map of CML 7 Environmental Monitoring Locations May 2022 within NSW EPA Permit and Licence Management System Record No. 143544.

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

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

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
29	Surface water monitoring		Storm water pond labelled "S31-1" as shown in Figure 3 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
31	Surface water monitoring		Storm water pond labelled "S49" as shown in Figure 2 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
32	Surface water monitoring		Storm water pond labelled "S1-A" as shown in Figure 2 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
33	Surface water monitoring		Storm water pond labelled "S9B-2" as shown in Figure 5 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
34	Surface water monitoring		Storm water pond labelled "Horwood Dam" as shown in Figure 6 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
35	Off site receiving waters		Ephemeral drainage line upstream of the Rasp Mine shown as "Monitoring location 1 upstream" on Map 1 in the email to the EPA on 3 April 2012 and kept on EPA file LIC07/2213-06

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36	Off site receiving waters	Ephemeral drainage line downstream of the Rasp Mine shown as "Monitoring location 2 downstream" on Map 1 in the email to the EPA on 3 April 2012 and kept on EPA file LIC07/2213-06
37	Groundwater monitoring	Groundwater monitoring bore labelled "GW01" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
38	Groundwater monitoring	Groundwater monitoring bore labelled "GW02" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
39	Groundwater monitoring	Groundwater monitoring bore labelled "GW03" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
40	Groundwater monitoring	Groundwater monitoring bore labelled "GW04" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
41	Groundwater monitoring	Groundwater monitoring bore labelled "GW05" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
42	Groundwater monitoring	Groundwater monitoring bore labelled "GW06" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
43	Groundwater monitoring	Groundwater monitoring bore labelled "GW07" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
44	Groundwater monitoring	Groundwater monitoring bore labelled "GW08" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
45	Groundwater monitoring	Groundwater monitoring bore labelled "GW09" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
46	Groundwater monitoring	Groundwater monitoring bore labelled "GW10" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06

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47	Groundwater monitoring	Groundwater monitoring bore labelled "GW11" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
48	Groundwater monitoring	Groundwater monitoring bore labelled "GW12" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
49	Groundwater monitoring	Groundwater monitoring bore labelled "GW13" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
50	Groundwater monitoring	Groundwater monitoring bore labelled "GW14" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
51	Groundwater monitoring	Groundwater monitoring bore labelled "GW15" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
52	Groundwater monitoring	Groundwater monitoring bore labelled "GW16" in Figure 8 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
53	Groundwater monitoring	Surface water pond for Shaft 7 mine water labelled "Mine Settlement Ponds" as shown in Figure 3 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06
54	Groundwater monitoring	Surface water pond for Kintore Pit mine water labelled "Mine Settlement Ponds" as shown in Figure 3 of the Site Water Management Plan dated 20 March 2012 and kept on EPA file LIC07/2213-06

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
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15	Noise monitoring	Point labelled "A1" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
16	Noise monitoring	Point labelled "A2" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
17	Noise monitoring	Point labelled "A3" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
18	Noise monitoring	Point labelled "A4" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
19	Noise monitoring	Point labelled "A5" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
20	Noise monitoring	Point labelled "A6" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
21	Noise monitoring	Point labelled "A7" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
22	Noise monitoring	Point labelled "A8" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
23	Noise monitoring	Point labelled "A9" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.

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24	Noise monitoring	Point labelled "A10" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
25	Noise monitoring	Point labelled "A11" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
26	Noise monitoring	Point labelled "A12" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
27	Noise monitoring	Point labelled "A13" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
28	Noise monitoring	Point labelled "A14" in Figure 1 of the report at Appendix C of the Rasp Mine Environmental Assessment titled "Modification 3 Mining Extension" dated November 2014 kept at DOC14/279713-01 on EPA file EF13/4102.
55	Meteorological Station – to determine meteorological conditions for noise monitoring	Meteorological Station as marked on Map of CML 7 Environmental Monitoring Locations May 2022 at NSW EPA Permit and Licence Management System Record No. 143544

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 Air Concentration Limits

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POINT 1

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	350	dry, 273 K, 101.3 kPa		

POINT 1,2

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Total Solid Particles	milligrams per cubic metre	20	dry, 273 K, 101.3 kPa		

POINT 1

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
volatile organic compounds as n-propane equivalent	milligrams per cubic metre	40	dry, 273 K, 101.3 kPa		

POINT 1,2

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	1	dry, 273 K, 101.3 kPa		

L3 Waste

L3.1 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.

L4 Noise limits

L4.1 Operational activities associated with the project are permitted to occur at any time, subject to compliance with the noise limits specified at condition L4.2 and subject to the following restrictions:

- Shunting of the concentrate wagons must only occur between 7.00am and 6.00pm on any day; and
- Production rock blasting must only occur between 6.45am and 7.15pm on any day.

L4.2 Noise from the Rasp Mine premises must not exceed the limits presented in the table below at the monitoring

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locations listed in column 1.

Location	Day [dB LAeq 15 minute]	Evening [dB LAeq 15 minute]	Night [dB LAeq 15 minute]
Point 15 - A1 Piper Street North	40	37	35
Point 16 - A2 Piper Street Central	40	37	35
Point 17 - A3 Eyre Street North	44	41	39
Point 18 - A4 Eyre Street Central	44	41	39
Point 19 - A5 Eyre Street South	44	41	39
Point 20 - A6 Bonanza & Gypsum Streets	48	41	39
Point 21 - A7 Carbon Street	45	42	36
Point 22 - A8 South Road	48	39	39
Point 23 - A9 Crystal Street	46	39	39
Point 24 - A10 Barnet & Blende Streets	42	41	35
Point 25 - A11 Crystal Street	46	39	39
Point 26 - A12 Crystal Street	46	39	39
Point 27 - A13 Eyre Street North 2	40	35	35
Point 28 - A14 Piper Street North	40	35	35

- L4.3 Noise from the premises is to be measured at the most affected point within the boundary of the nominated premises, or at the most affected point within 30 metres of a dwelling where the dwelling is more than 30 metres from the boundary, to determine compliance with the noise level limits in Condition L4.2 unless otherwise stated.

Where it can be demonstrated that direct measurement of noise from the premises is impractical, the EPA may accept alternative means of determining compliance. See Chapter 11 of the NSW Industrial Noise Policy.

The modification factors presented in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.

- L4.4 The noise limits set out in the Noise Limits table apply under all meteorological conditions except for the following:
- Wind speeds greater than 3 metres/second at 10 metres above ground level; or
 - Stability category F temperature inversion conditions and wind speeds greater than 2 metres/second at 10 metres above ground level; or
 - Stability category G temperature inversion conditions.

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For the purposes of this condition:

- Data recorded by the meteorological station identified as EPA Identification Point(s) 55 must be used to determine meteorological conditions; and
- 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 Blasting

- L5.1 The overpressure sound level and ground vibration peak particle velocity from blasting operations carried out in or on the premises, excluding Block 7, for the period 7am to 7pm must not exceed the limits in the table below unless expressly provided by a condition of this licence.

Location	Airblast Overpressure (dB - Lin Peak)	Ground Vibration (mm/s)	Allowable Exceedence
Residence on privately owned land	115	5	5% of the total number of blasts in any 12 month annual return reporting period
Residence on privately owned land	120	10	0%

- Note:
- The allowable exceedence must be calculated separately for development blasts and production blasts;
 - The 5% allowable exceedence does not apply to the production blasts until the licensee has completed a Pollution Studies and Reduction Program at condition U5.1 aimed at achieving the limit or as otherwise agreed with the EPA; and
 - 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.

- L5.2 The overpressure sound level and ground vibration peak particle velocity from blasting operations carried out in or on the premises at Block 7 for the period 7am to 7pm must not exceed the limits in the table below unless expressly provided by a condition of this licence.

Location	Airblast Overpressure - dB Lin Peak	Ground Vibration - mm/s	Allowable Exceedence
Residence of privately owned land	115	3 (interim)	5% of the total number of blasts over the 12 month annual return reporting period
Residence of privately owned land	120	10	0%

- Note:
- The allowable exceedence must be calculated separately for development and production blasts;
 - The interim limit applies unless the licensee has written consent from the Department of Planning and Environment to apply an alternative site specific criteria for Block 7; and

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- 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.

L5.3 The licensee may carry out a maximum of:

- 1 production blast each day and 6 production blasts each week, averaged over a calendar year; and
- 6 development blasts each day and 42 development blasts each week, averaged over a calendar year.

L5.4 The overpressure level from blasting operations at the premises must not exceed 105dB (Lin Peak) for the period 7pm to 10pm at any noise sensitive location:

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.

L5.5 The overpressure level from blasting operations at the premises must not exceed 95dB (Lin Peak) for the period 10pm to 7am 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.

L5.6 Conditions L5.1, L5.2, L5.3, L5.4 and L5.5 apply at any point within 1 metre of any noise sensitive location including residential premises, school, hospital or any blasting monitoring location specified in this licence.

L6 Hours of operation

L6.1 Unless otherwise specified by any other condition of this licence operating hours are:

A) Modification '6' construction activities excluding new decline underground activities, and Tailings Storage Facility '3' (TSF3) preparation works:

- Restricted to between the hours of 7am and 6pm, Monday to Saturday; and
- Not to be undertaken on Sundays or Public Holidays.

B) Construction, excluding construction of Emergency Egress Ladder (EEL) and Modification '6' construction activities:

- restricted to between the hours of 7am and 6pm, Monday to Friday;
- restricted to between the hours of 8am and 1pm Saturday; and
- not to be undertaken on Sundays or Public Holidays.

C) Capping and rehabilitation of Tailings Storage Facility '2' or shunting of concentrate wagons:

- restricted to between the hours of 7am and 6pm on any day.

D) Production rock blasting:

- restricted to between the hours of 6:45am and 7:15pm on any day.

E) Transporting cement to the cement silo or loading the cement silo

- restricted to between the hours of 7am and 7pm on any day.

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- F) All other activities, including construction of the EEL, construction of the new decline (Underground activities) and TSF3 tailing preparation works:
- i) Can occur 24 hours a day, 7 days a week.

L7 Potentially offensive odour

- L7.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

L8 Other limit conditions

- L8.1 All storm water and other surface water holding ponds identified in the Site Water Management Plan must be designed, constructed and maintained to accommodate the stormwater runoff generated in a 100 year (24 hour) Average Recurrence Interval rain event.
- L8.2 The water storage ponds listed below must have the base and wall artificially lined with an impermeable high density polyethylene liner:
- 1) "Mine Settlement Ponds" and "Backfill Plant Sediment Pond" identified in Figure 3 of the Rasp Mine Site Water Management Plan.
 - 2) "Plant Event Pond" and the "Overflow Event Pond" identified in Figure 4 of the Rasp Mine Site Water Management Plan.
- L8.3 The licensee must ensure waste rock used for the construction of the amenity bund around the Concrete Batching Plant and other surface area works is tested in accordance with Appendix D of the Construction Environment Management Plan (BHO-PLN-ENV-011) dated December 2017 and ensure that waste rock used does not average a lead (Pb) fraction of more than 0.5%.
- L8.4 During construction works the licensee must:
1. Have a traffic light system for wind speeds; and
 2. introduce additional dust mitigation measures when wind speeds are averaging greater than 40 kilometres per hour; and
 3. when wind speeds exceed 50 kilometres per hour, any dust generating construction activities must cease.

4 Operating Conditions

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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.

O3 Dust

O3.1 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.

O3.2 Ore trucks entering and leaving the premises that are carrying loads must be covered at all times, except during loading and unloading.

O3.3 Visible dust emissions from any tailings storage facility must be immediately suppressed by water or chemical application.

O3.4 Crushing of extracted material must only occur inside the crusher enclosure however some crushing and screening of waste rock can occur within BHP Pit in accordance with the conditions of Consent Modification '7' approval.

O3.5 The crusher enclosure must be designed to operate under negative pressure at all times.

O3.6 The crusher enclosure and associated emission controls must be constructed and operated in such a manner, as to ensure visible fugitive emissions from the enclosure are minimised.

O3.7 The Air Quality Management Plan must include dust management practices that effectively minimise dust emissions at all times, including all mitigation measures discussed in the Environmental Assessment titled "RASP Mine Zinc-Lead-Silver Project Environmental Assessment Report, July 2010" and additional measures proposed in the document titled "RASP Mine Zinc-Lead-Silver Project Preferred Project Report Report September 2010".

O4 Processes and management

O4.1 All surface water storage ponds must be maintained to ensure that sedimentation does not reduce their capacity by more than 10% of the design capacity.

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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 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 Water and/ or Land Monitoring Requirements

POINT 29,31,32,33,34,35,36

Pollutant	Units of measure	Frequency	Sampling Method
Cadmium	milligrams per litre	Special Frequency 2	Representative sample
Chloride	milligrams per litre	Special Frequency 2	Representative sample
Electrical conductivity	microsiemens per centimetre	Special Frequency 2	Representative sample
Lead	milligrams per litre	Special Frequency 2	Representative sample
Manganese	milligrams per litre	Special Frequency 2	Representative sample
pH	pH	Special Frequency 2	In situ
Sodium	milligrams per litre	Special Frequency 2	Representative sample
Sulfate	milligrams per litre	Special Frequency 2	Representative sample
Total dissolved solids	milligrams per litre	Special Frequency 2	Representative sample
Zinc	milligrams per litre	Special Frequency 2	Representative sample

POINT 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52

Pollutant	Units of measure	Frequency	Sampling Method
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Alkalinity (as calcium carbonate)	milligrams per litre	Quarterly	Representative sample
Cadmium	milligrams per litre	Quarterly	Representative sample
Calcium	milligrams per litre	Quarterly	Representative sample
Chloride	milligrams per litre	Quarterly	Representative sample
Electrical conductivity	microsiemens per centimetre	Quarterly	Representative sample
Iron	milligrams per litre	Quarterly	Representative sample
Lead	milligrams per litre	Quarterly	Representative sample
Magnesium	milligrams per litre	Quarterly	Representative sample
Manganese	milligrams per litre	Quarterly	Representative sample
pH	pH	Quarterly	In situ
Sodium	milligrams per litre	Quarterly	Representative sample
Sulfate	milligrams per litre	Quarterly	Representative sample
Total dissolved solids	milligrams per litre	Quarterly	Representative sample
Zinc	milligrams per litre	Quarterly	Representative sample

POINT 53,54

Pollutant	Units of measure	Frequency	Sampling Method
Alkalinity (as calcium carbonate)	milligrams per litre	Special Frequency 3	Representative sample
Cadmium	milligrams per litre	Special Frequency 3	Representative sample
Calcium	milligrams per litre	Special Frequency 3	Representative sample
Chloride	milligrams per litre	Special Frequency 3	Representative sample
Electrical conductivity	microsiemens per centimetre	Monthly	Representative sample
Iron	milligrams per litre	Special Frequency 3	Representative sample
Lead	milligrams per litre	Monthly	Representative sample
Magnesium	milligrams per litre	Special Frequency 3	Representative sample
Manganese	micrograms per litre	Special Frequency 3	Representative sample
pH	pH	Monthly	In situ
Sodium	milligrams per litre	Special Frequency 3	Representative sample
Sulfate	milligrams per litre	Special Frequency 3	Representative sample
Total dissolved solids	milligrams per litre	Special Frequency 3	Representative sample
Zinc	Measure 1	Special Frequency 3	Representative sample

M2.3 Air Monitoring Requirements

POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
Dry gas density	kilograms per cubic metre	Every 6 months	TM-23
Moisture	percent	Every 6 months	TM-22

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Molecular weight of stack gases	grams per cubic metre	Every 6 months	TM-23
Nitrogen Oxides	milligrams per cubic metre	Every 6 months	TM-11
Temperature	degrees Celsius	Every 6 months	TM-2
Total Solid Particles	milligrams per cubic metre	Every 6 months	TM-15
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Every 6 months	TM-12, TM-13 & TM-14
Velocity	metres per second	Every 6 months	TM-2
volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Every 6 months	TM-34
Volumetric flowrate	cubic metres per second	Every 6 months	TM-2

POINT 2

Pollutant	Units of measure	Frequency	Sampling Method
Dry gas density	kilograms per cubic metre	Quarterly	TM-23
Moisture	percent	Quarterly	TM-22
Molecular weight of stack gases	grams per cubic metre	Quarterly	TM-23
Temperature	degrees Celsius	Quarterly	TM-2
Total Solid Particles	milligrams per cubic metre	Quarterly	TM-15
Type 1 and Type 2 substances in aggregate	milligrams per cubic metre	Quarterly	TM-12, TM-13 & TM-14
Velocity	metres per second	Quarterly	TM-2
Volumetric flowrate	cubic metres per second	Quarterly	TM-2

POINT 7,6,5,3,4,8,9

Pollutant	Units of measure	Frequency	Sampling Method
Particulates - Deposited Matter	grams per square metre per month	Monthly	AM-19
Total lead	grams per square metre per month	Monthly	AM-19

POINT 10,57

Pollutant	Units of measure	Frequency	Sampling Method
Lead	micrograms per cubic metre	Every 6 days	AM-11
Total suspended particles	micrograms per cubic metre	Every 6 days	AM-15

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POINT 11,12

Pollutant	Units of measure	Frequency	Sampling Method
PM10	milligrams per cubic metre	Every 6 days	AM-18

POINT 13,14

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

M2.4 For the purposes of the table(s) above Special Frequency 2 means the collection of a minimum of 2 samples at least 6 months apart if sufficient rainfall has occurred to obtain a sample/s.

M2.5 For the purposes of the table(s) above Special Frequency 3 means the collection of a sample on a monthly basis if pumping occurs at Shaft 7 or Kintore Pit.

M3 Testing methods - concentration limits

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

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

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

M3.2 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Weather monitoring

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

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POINT 55

Parameter	Sampling method	Units of measure	Averaging period	Frequency
Temperature at 10 metres	AM-4	degrees Celsius	15 minutes	Continuous
Wind Direction at 10 metres	AM-4	Degrees in a clockwise direction from True North	15 minutes	Continuous
Wind Speed at 10 metres	AM-4	metres per second	15 minutes	Continuous
Rainfall	AM-4	millimetres	1 hour	Continuous
Sigma theta	AM-2 & AM-4	Degrees	15 minutes	Continuous

M5 Recording of pollution complaints

M5.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M5.2 The record must include details of the following:

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

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

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

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M6.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

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

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M7 Blasting

M7.1 To determine compliance with conditions L5.1, L5.2, L5.3, L5.4 and L5.4:

(a) Airblast overpressure and ground vibration levels must be measured and electronically recorded for all blasts carried out in or on the premise at the following locations;

The blast monitor labelled "V1" in Figure 1 titled "Blast Monitoring Locations" of Broken Hill Operations Pty Ltd - Rasp Mine - "Blasting Monitoring Program Management Plan" received by the EPA 29 June 2015 DOC15/238188.

The blast monitor labelled "V2" in Figure 1 titled "Blast Monitoring Locations" of Broken Hill Operations Pty Ltd - Rasp Mine - "Blasting Monitoring Program Management Plan" received by the EPA 29 June 2015 DOC15/238188.

The blast monitor labelled "V3" in Figure 1 titled "Blast Monitoring Locations" of Broken Hill Operations Pty Ltd - Rasp Mine - "Blasting Monitoring Program Management Plan" received by the EPA 29 June 2015 DOC15/238188.

The blast monitor labelled "V4 New location" in Attachment B of the document titled "Report to support EPL 12559 variation" dated August 2018 and kept on EPA file DOC18/228266-03.

The blast monitor labelled "V5" in Figure 1 titled "Blast Monitoring Locations" of Broken Hill Operations Pty Ltd - Rasp Mine - "Blasting Monitoring Program Management Plan" received by the EPA 29 June 2015 DOC15/238188.

The specific monitoring locations are subject to the actual blasting locations as described in Table 4 - "Airblast Overpressure and Ground Vibration Monitoring Locations" of Broken Hill Operations Pty Ltd - Rasp Mine - "Blasting Monitoring Program Management Plan" received by the EPA 29 June 2015 DOC15/238188; and

(b) Instrumentation used to measure the airblast overpressure and ground vibration levels must meet the requirements of Australian Standards AS 2187.2-2006.

6 Reporting Conditions

R1 Annual return documents

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

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

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

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- 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:
- 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
 - 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:
- in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
 - 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 **Monitoring report**
The licensee must supply with the Annual Return an Environmental Monitoring Report which is to be completed and attached to each Annual Return.
The Environmental Monitoring Report must include:
- a summary of all monitoring results including Air, Water and Noise;
 - an analysis and interpretation of all monitoring results;
 - identification of any adverse trend or non-compliance; and
 - actions to correct any adverse trends and/or non-compliances.
- R1.7 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.
- R1.8 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- the licence holder; or
 - 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.
- R1.9 **Blast monitoring reporting**
The licensee must supply a Blast Management Report with the Annual Return and must include:
- a summary of production blast levels (which excludes block 7 production blasts);
 - the percentage of production blasts < 5 mm/s and the percentage of blasts > 5 mm/s;

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- c) an analysis and interpretation of all blast results from the licensed monitors and from the network of roving monitors used to assess potential impacts on the amenity of receptors;
- d) identification of any adverse trend or non-compliance;
- e) actions to correct any adverse trends or non-compliance; and
- f) any proposed future corrective actions that will be implemented to meet ongoing compliance with production blast limits at condition L5.1.

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 they became aware of the incident.

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:

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

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

R3.3 The request may require a report which includes any or all of the following information:

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

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

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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.

8 Pollution Studies and Reduction Programs

U1 Water Management Review and Remediation Works

- U1.1 The licensee must engage a suitability qualified expert and develop a program to improve the retention capabilities of the Ryan Street (S49) Dam. This program must be provided to the EPA and all works identified by the program, as necessary to improve the retention capabilities of the Ryan Street (S49) Dam, to negate the possibility of off-site discharge, must be complete.

COMPLETION DATE: 30 JUNE 2026

- U1.2 The licensee must engage a suitability qualified expert to assess all onsite water management practices and determine the appropriateness of all water storage facilities.
This includes but is not limited to the assessment of:

- All monitoring systems, alerts and associated action plans;
- The integrity of all water storage facilities including permeability and their ability to prohibit discharge;
- The capacity of all water storage facilities and determining if there is sufficient storage capacity to meet a 1 in 100 year rainfall event including freeboard requirements;
- Water storage facility maintenance programs and adherence there to; and
- All permanent and temporary pumping systems.

An Assessment Report is to be prepared and recommendations made to improve environmental performance, onsite water storage capabilities and to limit the likelihood of an offsite discharge.

The Assessment Report must be provided to info@epa.nsw.gov.au

COMPLETION DATE: 31 AUGUST 2025

- U1.3 All of the recommendations set out in the Assessment Report required by condition U1.2 are to be implemented by the completion date.

COMPLETION DATE: 30 JUNE 2026

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Dictionary

General Dictionary

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

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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
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 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 <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .



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

Mr Craig Bretherton

Environment Protection Authority

(By Delegation)

Date of this edition: 02-November-2006

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End Notes

- 1 Licence varied by notice 1073249, issued on 14-May-2007, which came into effect on 14-May-2007.
- 2 Licence varied by notice 1078521, issued on 11-Oct-2007, which came into effect on 11-Oct-2007.
- 3 Licence varied by format and/or typographical corrections, issued on 22-Oct-2007, which came into effect on 22-Oct-2007.
- 4 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 5 Licence varied by notice 1105830, issued on 12-May-2010, which came into effect on 12-May-2010.
- 6 Licence varied by notice 1117212, issued on 19-Aug-2010, which came into effect on 19-Aug-2010.
- 7 Licence varied by notice 1126030, issued on 30-Mar-2011, which came into effect on 30-Mar-2011.
- 8 Licence varied by notice 1126952, issued on 13-Jul-2011, which came into effect on 13-Jul-2011.
- 9 Licence varied by notice 1501373 issued on 09-Sep-2011
- 10 Licence varied by notice 1502363 issued on 07-Nov-2011
- 11 Licence varied by notice 1503474 issued on 23-Dec-2011
- 12 Licence varied by notice 1504518 issued on 23-Feb-2012
- 13 Licence varied by notice 1504790 issued on 20-Apr-2012
- 14 Licence varied by notice 1506738 issued on 20-Jun-2012
- 15 Licence varied by notice 1507657 issued on 09-Aug-2012
- 16 Licence varied by notice 1515835 issued on 01-Aug-2013
- 17 Licence varied by notice 1516037 issued on 08-Aug-2013
- 18 Licence varied by notice 1519905 issued on 20-Mar-2014
- 19 Licence varied by notice 1524545 issued on 28-Aug-2014
- 20 Licence varied by notice 1524732 issued on 10-Sep-2014
- 21 Licence varied by notice 1528988 issued on 20-Mar-2015
- 22 Licence varied by notice 1529466 issued on 13-Apr-2015
- 23 Licence varied by notice 1532070 issued on 16-Jul-2015
- 24 Licence varied by notice 1537327 issued on 10-Mar-2016



Environment Protection Licence

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25	Licence varied by notice	1543368 issued on 31-Aug-2016
26	Licence varied by notice	1559865 issued on 21-Dec-2017
27	Licence varied by notice	1571969 issued on 14-Mar-2019
28	Licence varied by notice	1582736 issued on 26-Aug-2019
29	Licence varied by notice	1585837 issued on 04-Oct-2019
30	Licence varied by notice	1620908 issued on 10-Aug-2022
31	Licence varied by notice	1625065 issued on 15-Dec-2022
32	Licence varied by notice	1627161 issued on 28-Mar-2023
33	Licence varied by notice	1630597 issued on 15-Aug-2023