



AREQ0004815

The Manager of Mining Engineering
CBH Resources Rasp Mine
130 Eyre Street
BROKEN HILL NSW 2880

Email: giorgiodallarmi@cbhresources.com.au

Dear Sir

**CBH Resources Rasp Mine proposal to mine
within the Blackwood Notification Area, RASP**

I refer to a letter received from the New South Wales Dams Safety Committee (DSC) dated 30 October 2019 wherein recommendations have been received pursuant to mining within the Blackwood Notification Area.

The proposal from CBH Resources Rasp Mine is to mine within the Blackwood Notification Area, designated as RASP by the DSC.

In accordance with the conditions attached to Consolidated Mining Lease No 7 dated 8 October 1987, and by virtue of the delegated authority from the Minister pursuant to the provisions of Section 363(1) of the *Mining Act 1992*, I hereby conditionally approve mining within the Blackwood Notification Area designated as RASP as shown on the attached plan Drawing No 2019 001 dated 16 October 2019, and duly endorsed by the DSC on 30 October 2019.

This approval is subject to the observance of the conditions endorsed by the DSC on 30 October 2019 such that:

1. Open cut mining within the area coloured in green on the attached plan 2019 001 and dated 16 October 2019 is approved subject to conditions 1, 2, 3, 10, 11, 12, 13, 14, 17, 19, 20, 22 and 24 of the attached Annexure D. Annexure E is referenced by various conditions in Annexure D.

A copy of the approved plan Drawing No 2019 001 dated 16 October 2019 and endorsed by the DSC and Chief Inspector with respect to the approval, is attached for your records.

If you require any further information on this matter please contact Mr Garvin Burns, Chief Inspector on 02 4063 6430.

Yours sincerely

**Garvin Burns
Chief Inspector**

By delegation from the Minister
7 November 2019



ANNEXURE "D"

STANDARD MINING CONDITIONS

The conditions are laid out as follows:

- Annexure Dx (D, D1, etc) specify what is required to be done by the applicant, and what the DSC may do following certain triggers;
- Annexure E specifies the frequencies of monitoring and report, and the format of reports. That is, it provides details of the deliverables required by the approval;
- Other Annexures may specify additional details, for example Annexure B describes what should be recorded on geological plans.

In Annexure Dx the section often includes a preamble. These may contain guidance as to how to satisfy a condition, or the background to a condition, but are not conditions in themselves. The conditions look like the following paragraph:

Annexure D Condition 0.0: This is a condition, you must comply with it.

Section I. GENERAL REQUIREMENTS

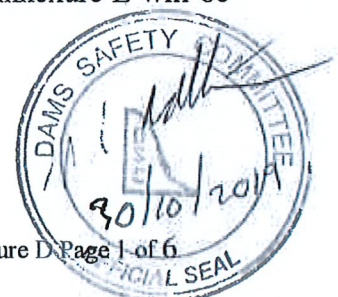
The following general conditions apply to the **RASP** application.

There is considerable scope for the DSC to modify the frequency of reporting and monitoring, and the format of reporting, during the life of an approval. This is important as it allows the level of monitoring to be increased or decreased according to the risk perceived by the DSC. This section sets out a hierarchy within the approvals:

1. Annexure E;
2. a specified management plan;
3. Annexure D.

That is, any frequency specified in Annexure D is overridden by frequencies specified in a management plan or in Annexure E.

The DSC prefers applicant to prepare monitoring proposals in the first instance. Often these will become endorsed by being included as a reference in Annexure E. Annexure E will be re-issued by the DSC when there is a change to monitoring.



Annexure D Condition 1.1: The:

- Frequency of monitoring;
- Frequency of reporting; and
- Format of reporting;

For any condition hereunder will be as stated in Annexure E or, where no statement is provided in Annexure E, as stated in the relevant "Management Plan" as specified in Annexure E, or, where no Plan is specified in Annexure E or where the Plan makes no statement, as specified in the condition hereunder.

Annexure D Condition 1.2: The Dams Safety Committee ("the DSC") may modify the content of Annexure E, any associated Management Plan, or the frequency of monitoring or reporting or the format of reporting for any condition hereunder from time to time.

Annexure D Condition 1.3: Where the DSC has modified the conditions as per Condition 1.2 and has advised the liaison officer appointed under Condition 22 in writing those modified conditions replace any conditions hereunder and shall have the same effect as if they were part of the approval.

Annexure D Condition 1.4: The company shall arrange for DSC staff to inspect the workings from time to time when required by the Committee, and in particular when any significant features are encountered in the workings.

Section II. CORRESPONDENCE WITH THE DSC

Annexure D Condition 2.1: All correspondence with the Committee in regard to this approval shall be clearly labelled **RASP**.

Annexure D Condition 2.2: Reports required under the RASP shall be sent to:

The Executive Engineer
N.S.W. Dams Safety Committee
Floor 11, Macquarie Tower,
10 Valentine Avenue,
Parramatta N.S.W. 2150

Locked Bag 5123
Parramatta N.S.W. 2124

Phone: (02) 9842 8073

Email: dsc.mining@damsafety.nsw.gov.au

Annexure D Condition 2.3: Copies of any reports or plans required to be provided to the Committee shall also be provided to the Senior Inspector of Mines, Orange.



Section III. NOTIFICATION OF COMMENCEMENT OF MINING

Annexure D Condition 3.1: So that the DSC is aware that mining in an approved area has commenced (and can therefore expect to receive reports of monitoring) the company shall notify the DSC that mining has commenced in the notification area within seven days of the commencement of mining.

Section IV. INSPECTION OF WORKINGS

This section does not apply to the RASP application

Section V. SEAM LEVEL GEOLOGICAL FEATURES

This section does not apply to the RASP application

Section VI. SURFACE GEOLOGY/TOPOGRAPHY

This section does not apply to the RASP application

Section VII. WATER MONITORING

This section does not apply to the RASP application

Section VIII. EMERGENCY WATER CONDITIONS

This section does not apply to the RASP application

Section IX. SUBSIDENCE AND STRAIN MONITORING

This section does not apply to the RASP application

Section X. PLANS SUPPLIED TO THE DSC

Annexure D Condition 10.1: Several conditions require the company to submit plans to the DSC. Apart from the plans that may be required under condition 23, these plans shall share the same scale and base map to facilitate the comparison and correlation between different factors.

Section XI. VARIATIONS

Annexure D Condition 11.1: From time to time the company may desire to alter the approved mining within the notification area in a minor way (termed a "minor variation"). Applications for minor variations to approvals shall be made to the Chief Inspector of Mines, who will refer the application to the DSC.

Annexure D Condition 11.2: The Committee requires all proposed variations, even small variations, be referred to it (via the Chief Inspector) for its consideration. To expedite the approval process where the proposed variation is urgent and very minor, DSC staff will give a decision by phone, fax, or email to the company, and inform the Chief Inspector of their decision. The company will then approach the Chief Inspector for formal approval or otherwise, with both parties aware of the Committee's decision. This procedure should only be followed in urgent situations.



Annexure D Condition 11.3: The usual procedure is to submit a written application, with appropriate supporting documentation, to the Chief Inspector of Mines, who will then forward this to the DSC for its consideration. The company should also send a copy of the application to the DSC so that it may begin processing it. This will allow for a quick reply.

Where the variation is sufficiently extensive (as determined by the DSC) the company will be required to submit a full application to mine within the notification area.

Annexure D Condition 11.4: The Chief Inspector of Mines shall not approve any minor variation unless an endorsement by the DSC has been received.

Section XII. COMPLETION OF MONITORING

Annexure D Condition 12.1: Regardless of the status of mining or location of the active face, all monitoring and reporting shall continue as specified until the Committee considers that it is no longer required, or that the frequency of the monitoring can be altered. The company may apply to the Committee for modification to the frequency of monitoring, or for the discontinuance of monitoring.

Section XIII. COMMITTEE'S EMERGENCY POWERS

Annexure D Condition 13.1: The Minister, on notice from the Committee, may at any time or times suspend for a period of time, cancel, alter, omit from or add to this consent or the conditions of this consent.

Annexure D Condition 13.2: Regardless of the content of any management plan, the Committee may require by notice in writing the company to:

- Cease any or all mining at the subject area until such time as the Committee agrees that mining may recommence;
- Undertake investigations as specified by the Committee; and/or
- Undertake remedial works as specified by the Committee.

Section XIV. VIBRATION MONITORING

Where the Committee considers that a mining application will generate significant ground vibrations, for example as a result of blasting in an open cut, then the Committee may specify a peak particle velocity limit at critical structures. Vibration monitoring will normally be required to ensure that this limit is not exceeded.

Annexure D Condition 14.1: The Company shall ensure that peak particle velocities generated as a result of mining will not exceed 30 mm/s at any point on the Blackwood Pit Tailings Dam embankments.

Annexure D Condition 14.2: The Company will develop and implement a program to monitor particle velocities generated by mining at sites on the Blackwood Pit Tailings Dam and will inform the DSC of the details of this monitoring program as soon as possible.



Annexure D Condition 14.3: Written reports on the results of the monitoring outlined in the above condition 14.1 shall be submitted to the DSC at intervals as specified in Annexure E.

Annexure D Condition 14.4: The DSC will be informed immediately if peak particle velocities (PPV), as a result of mining at any point on the Blackwood Pit Tailings Dam, exceeds 30mm/s.

Annexure D Condition 14.5: If peak particle velocities exceed the limits set in the above condition 14.4, then the DSC may require an inspection of the dam by a suitable dams engineer.

SECTION XV REPAIR OF DAMAGE TO PRESCRIBED DAMS

This section does not apply to the RASP application

SECTION XVI CONTINGENCY PLANS

This section does not apply to the RASP application

SECTION XVII MONITORING MANAGEMENT PLANS

Where several monitoring programs are required under an approval the Committee requires that a Management Plan be developed for these programs. The plan will specify at least:

- What is required to be done and when,
- What is required to be delivered and when, and
- Who is responsible for each task.

In certain circumstances it may be appropriate for the plan to incorporate other aspects, for example appropriate levels of training, the format of reports, or regular feedback from the Committee.

Annexure D Condition 17.1: The company shall prepare a Management Plan encompassing all of the monitoring programs required by the Committee.

Annexure D Condition 17.2: The plan required above is to be submitted to the DSC for its approval as soon as possible.

Annexure D Condition 17.3: The plan required above shall be reviewed by the company at intervals as specified in Annexure E. The review process shall include forwarding a copy of the plan to the DSC with a request for comments.

SECTION XVIII CLOSURE REQUIREMENTS

This section does not apply to the RASP application



SECTION XIX STATISTICAL REPORTS

Annexure D Condition 19.1: The company shall report in writing to the DSC the total tonnage of ore extracted from the Notification Area, and any other statistics related to the approval at intervals as specified in Annexure E.

SECTION XX COMPLIANCE REPORTS

Where several monitoring programs are required under an approval it is difficult, and time consuming, to check compliance with the conditions. As it is the company's responsibility to maintain compliance with the conditions the Committee believes that the company is the appropriate organisation to undertake the bulk of this role.

Annexure D Condition 20: The company shall submit a statement of its compliance with the required conditions at intervals as specified in Annexure E.

SECTION XXI MONITORING, REPORTING AND EXTRACTION SCHEDULE

This section does not apply to the RASP application

SECTION XXII LIAISON OFFICER

Effective coordination and management of the monitoring programs is essential. To this end the Committee believes that a person should be nominated as a "liaison officer". Their responsibilities will include:

- Providing a point of contact for the Committee,
- Ensuring compliance with the monitoring conditions,
- Coordinating the supply of monitoring data to the Committee, and
- Ensuring that the Committee is kept up to date of the progress of mining.

Annexure D Condition 22.1: The company shall appoint a suitably qualified and experienced person, acceptable to the Committee, as a liaison officer for the period when there is active mining in the notification area and for an additional period afterwards as determined by the Committee.

SECTION XXIII REPORTS ON THE LOCATION OF THE FACE

This section does not apply to the RASP application

SECTION XXIV CESSATION OF THIS APPROVAL

Annexure D Condition 24.1: No mining shall be undertaken in the approved area after 30 June 2025 unless such date is extended by the Committee.

END OF ANNEXURE D





ANNEXURE "D1"

SPECIAL MINING CONDITIONS

Section I. GENERAL REQUIREMENTS

The following general conditions apply to the **Rasp** application.

Annexure D1 Condition 1.1: The:

- Frequency of monitoring;
- Frequency of reporting; and
- Format of reporting;

For any condition hereunder will be as stated in Annexure E or, where no statement is provided in Annexure E, as stated in the relevant "Management Plan" as specified in Annexure E, or, where no Plan is specified in Annexure E or where the Plan makes no statement, as specified in the condition hereunder.

Annexure D1 Condition 1.2: The Dams Safety Committee ("the DSC") may modify the content of Annexure E, any associated Management Plan, or the frequency of monitoring or reporting or the format of reporting for any condition hereunder from time to time.

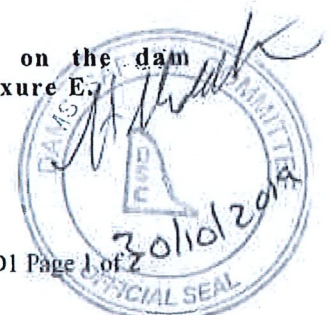
Annexure D1 Condition 1.3: Where the DSC has modified the conditions as per Condition 1.2 and has advised the liaison officer appointed under Condition 22 in writing those modified conditions replace any conditions hereunder and shall have the same effect as if they were part of the approval.

Section II. INSPECTION OF DAMS

Annexure D1 Condition 2.1: The Company shall undertake a safety inspection of the dam, to a standard acceptable to the Committee, once a day.

Annexure D1 Condition 2.2: While undertaking a safety inspection of the dam, the dam freeboard shall be measured. The Company shall ensure that the freeboard is not less than 1m at any point on the Blackwood Pit Tailings Dam embankments.

Annexure D1 Condition 2.3: The Company shall submit a report on the dam inspection results at intervals and in a format as specified in Annexure E.



Section III. SEEPAGE MONITORING

Annexure D1 Condition 3.1: The Company shall develop a program of seepage monitoring, to a standard acceptable to the Committee, and submit it as soon as possible.

Annexure D1 Condition 3.2: The Company shall submit a report on the seepage results at intervals and in a format as specified in Annexure E.

Annexure D1 Condition 3.3: The Company will advise the Committee immediately if changes in the seepage from the dam are considered to be significant.

Section IV. MOVEMENT MONITORING

Annexure D1 Condition 4.1: The Company shall develop a program of monitoring settlement points on the dam, to a standard acceptable to the Committee, and submit as soon as possible.

Annexure D1 Condition 4.2: The Company shall monitor movement of the dam embankments monthly to a standard acceptable to the Committee.

Annexure D1 Condition 4.3: The Company shall submit a report on the subsidence results at intervals and in a format as specified in Annexure E.

Section V. PIEZOMETER MONITORING

Annexure D1 Condition 5.1: The Company shall develop a program of piezometer monitoring of geotechnical drillholes, to a standard acceptable to the Committee, and submit as soon as possible.

Annexure D1 Condition 5.2: The Company shall submit a report on the piezometer results at intervals and in a format as specified in Annexure E.

End of Annexure D1

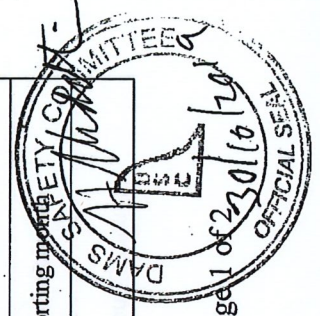


Annexure E

**Frequency of Monitoring and Reporting
Format Statement
Table of deliverables**

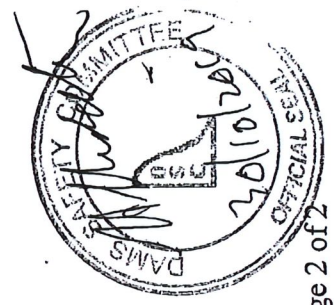
RASP approval

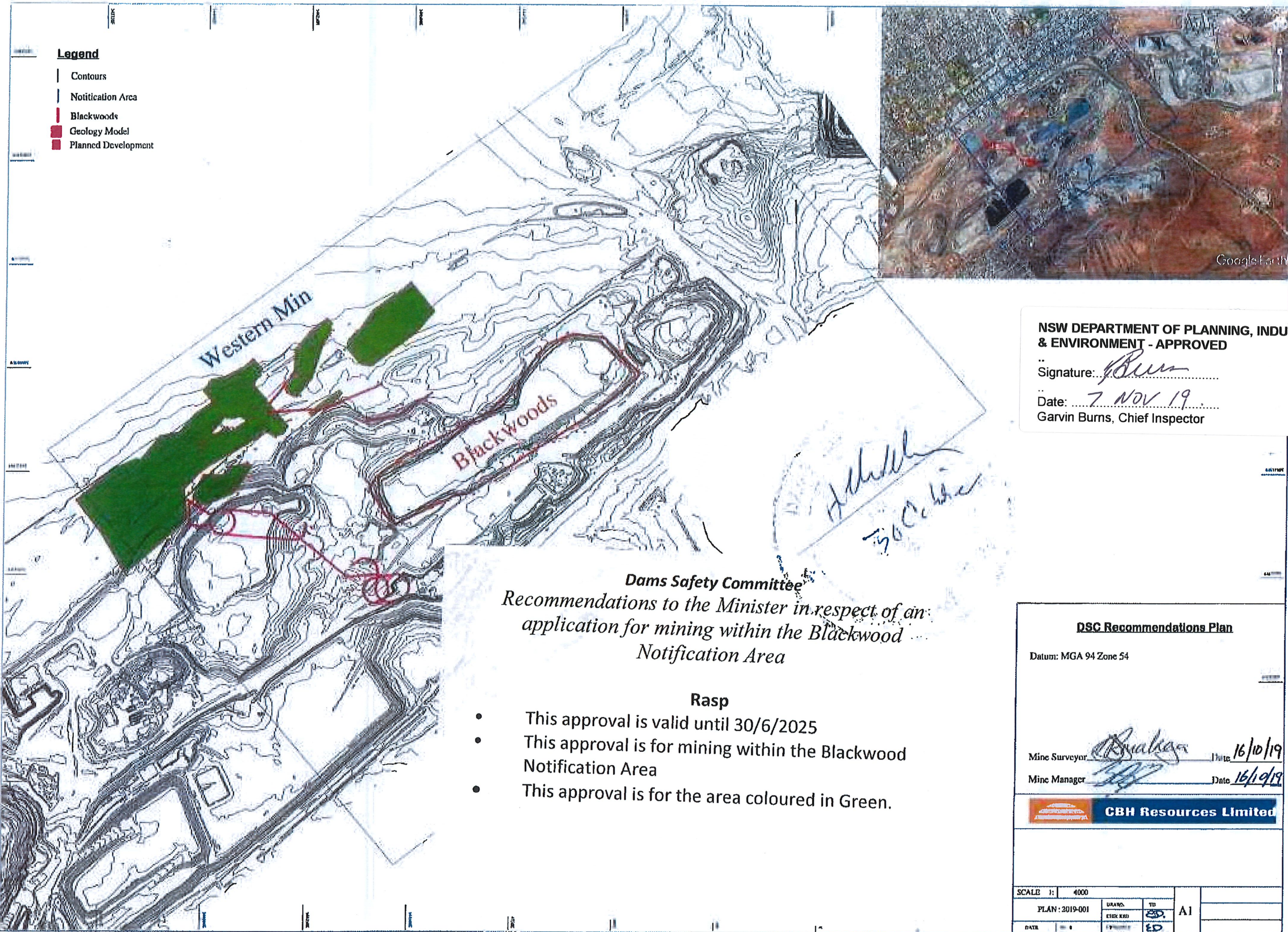
Frequency of Monitoring	Frequency of reporting	Condition	Deliverable Description	Due Date
	One off	ANN D/3.1	Notification of Commencement of Mining	Within 7 days
	One off	ANN D/14.2	Vibration monitoring program – DSC to be informed	As soon as possible
	One off	ANN D/17.1	Monitoring Management Plan to the satisfaction of the Committee	As soon as possible
	One off	ANN D/22.1	Liaison officer appointed	As soon as possible
	One off	ANN D/1/3	Seepage Monitoring plan for the dam	Include in Management Plan
	One off	ANN D/1/4	Movement monitoring plan for the dam	Include in Management Plan
	One off	ANN D/1/5	Piezometer monitoring plan	Include in Management Plan
	Monthly	ANN D/20	Compliance Report	3 weeks after end of each reporting month
After each blast	Monthly	ANN D/ 14.3	Reports on results of vibration monitoring	3 weeks after end of each reporting month
Daily	Monthly	ANN D/1/ 2	Reports on inspection of dam	3 weeks after end of each reporting month
Daily	Monthly	ANN D/1/3.2	Reports on monitoring of dam seepage	3 weeks after end of each reporting month
As required		ANN D/1/ 3.3	Notification if seepage changes significantly	Immediately



Monthly	Monthly	ANN D/1/4	Report on dam movement	3 weeks after end of each reporting month
Daily	Monthly	ANN D/1/5	Report on monitoring Piezometers	3 weeks after end of each reporting month
	Annually	ANN D/ 17.3	Review of Monitoring Management Plan	By August 31
	Annually	ANN D/ 19	Statistics report for year ended 30 June	By July 31
As required		ANN D/ 14.4	Notification if PPV exceeds 30 mm/s for Blackwood TSF.	Immediately

THIS APPROVAL CEASES 30/06/2025





- Legend**
- | Contours
 - | Notification Area
 - | Blackwoods
 - Geology Model
 - Planned Development

NSW DEPARTMENT OF PLANNING, INDUSTRY & ENVIRONMENT - APPROVED

Signature: *[Handwritten Signature]*

Date: 7 NOV 19
Garvin Burns, Chief Inspector

[Handwritten Signature]
7/10/19

Dams Safety Committee
Recommendations to the Minister in respect of an application for mining within the Blackwood Notification Area

Rasp

- This approval is valid until 30/6/2025
- This approval is for mining within the Blackwood Notification Area
- This approval is for the area coloured in Green.

DSC Recommendations Plan

Datum: MGA 94 Zone 54

Mine Surveyor: *[Handwritten Signature]* Date: 16/10/19

Mine Manager: *[Handwritten Signature]* Date: 16/10/19



SCALE 1:	4000			
PLAN: 2019-001	URAN	TD	A1	
DATE	16/10/19	ED		