



**CANYON COAL MINE  
ENVIRONMENTAL  
MANAGEMENT SYSTEM**

Document Owner: General Manager

Last Revision Date: 05/2018

Date Printed: 18/05/2018

**WHC\_PLN\_CAN\_NOISE MONITORING PROGRAM**

**CANYON COAL MINE  
NOISE MONITORING PROGRAM**

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**ACRONYMS USED THROUGHOUT THIS DOCUMENT**

- AR - Annual Review (previously Annual Environmental Management Report (AEMR))
- DA - Development Application
- EPA - Environment Protection Authority



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### 1 INTRODUCTION

The Whitehaven Coal Mine (now known as Canyon Coal Mine) is located within the Narrabri Shire, approximately 30 km north-west of Gunnedah and 15 km east of Boggabri in the Gunnedah coalfields of NSW. The mine is approved under DA 8-1-2005, as modified (a copy of which is available on the Whitehaven website).

The mine commenced operations in 2000 and ceased mining in 2009 following exhaustion of the resource. The site has undergone extensive rehabilitation and the majority of surface infrastructure, including all coal handling and processing infrastructure, has been removed.

This Noise Monitoring Program has been prepared in accordance with Schedule 3 Condition 10 of DA 8-1-2005, as modified.



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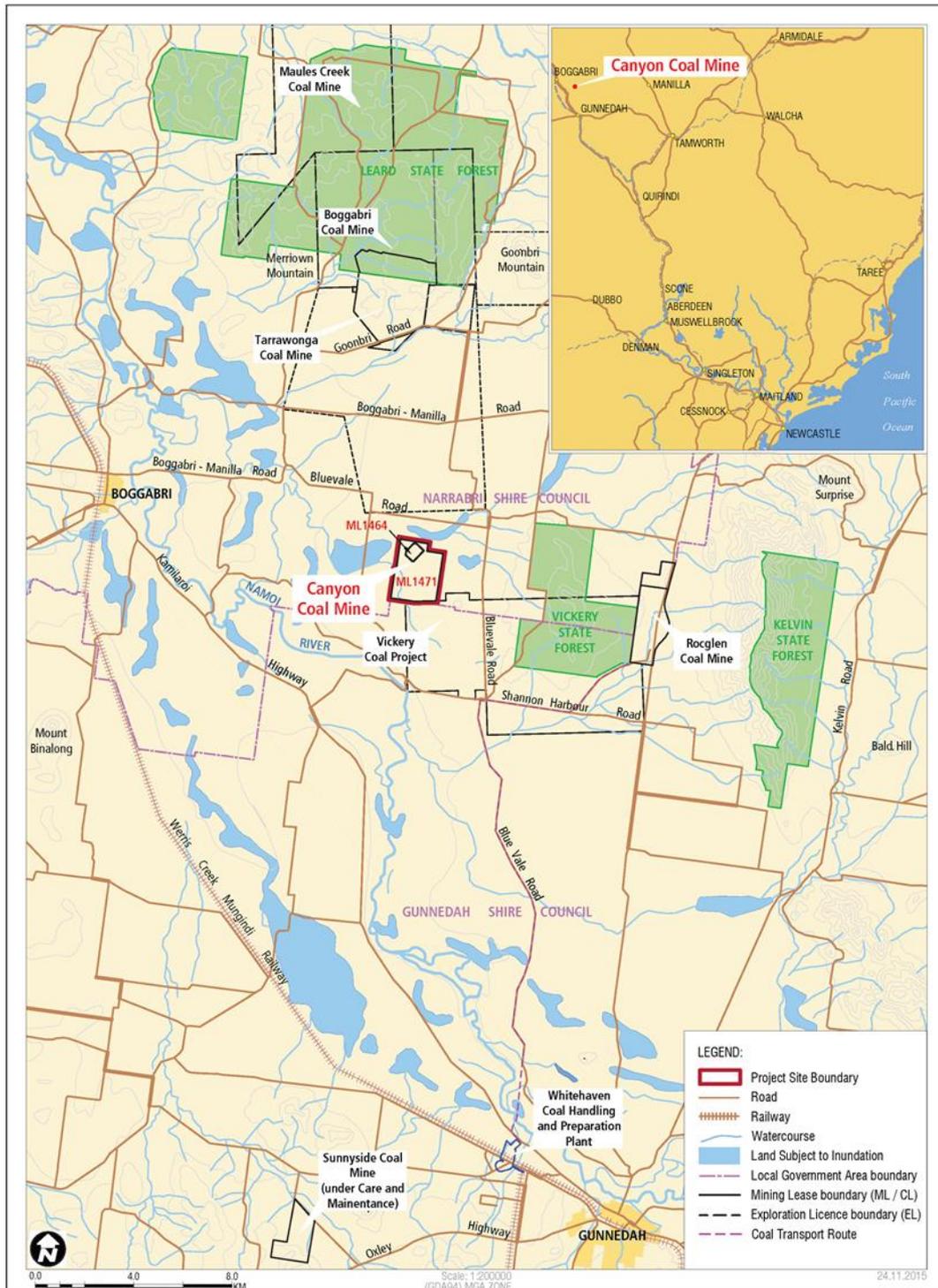


Figure 1 - Canyon Coal Mine Location



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### 2 RELEVANT CRITERIA

The following conditions set out in Section 3 of DA 8-1-2005 are relevant to noise.

#### <sup>3</sup>NOISE

##### Noise Impact Assessment Criteria

6. The Applicant shall ensure that the noise generated by the development does not exceed the noise impact assessment criteria presented in Table 7 at any residence on, or on more than 25 percent of, any privately-owned land.

7.

Day/Evening/Night $L_{Aeq}(15 \text{ minute})$	Night $L_{A1}(1 \text{ minute})$
35	45

Table 7: Noise Impact Assessment Criteria dB(A)

Notes:

- Noise from the development is to be measured at the most affected point or within the residential boundary, or at the most affected point within 30 metres of a dwelling (rural situations) where the dwelling is more than 30 metres from the boundary.
- To determine compliance with the  $L_{Aeq}(15 \text{ minute})$  noise limits in the above table, where it can be demonstrated that direct measurement of noise from the development is impractical, the EPA may accept alternative means of determining compliance (see Chapter 11 of the NSW Industrial Noise Policy). The modification factors in Section 4 of the NSW Industrial Noise Policy shall also be applied to the measured noise levels where applicable.
- Noise from the development is to be measured at 1 metre from the dwelling façade to determine compliance with the  $L_{A1}(1 \text{ minute})$  noise limits in the above table.
- The noise emission limits identified in the above table apply under meteorological conditions of:
  - wind speeds of up to 3 m/s at 10 metres above ground level; or
  - temperature inversion conditions of up to 3°C/100m, and wind speeds of up to 2 m/s at 10 metres above ground level.



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### Land Acquisition Criteria

8. If the noise generated by the development exceeds the criteria in Table 8 at any residence on, or on more than 25 percent of any privately-owned land, the Applicant shall acquire the land in accordance with the procedures in conditions 6-8 of schedule 4.

Day/Evening/Night $L_{Aeq}(15 \text{ minute})$
40

Table 8: Land Acquisition Criteria dB(A)

Note: Noise generated by the development is to be measured in accordance with the notes presented below Table 7.

### Operating Hours

9. The Applicant:
- shall carry out the development at the site between 7 am to 10 pm Monday to Saturday, excluding public holidays;
  - may undertake overburden and interburden removal and emplacement operations below natural ground level, and the dust suppression activities associated with these operations, between 7am and midnight, Monday to Saturday and midnight and 2 am, Tuesday to Saturday;
  - may undertake highwall mining operations at any time, excluding public holidays; and
  - shall only transport coal or gravel on public roads between 7 am and 10pm Monday to Saturday, excluding public holidays.

Note: Operating hours do not apply to blasting (see conditions 14 & 15)

### Operating Conditions

10. The Applicant shall ensure that all reversing alarms fitted to vehicles on the site are of a mid-high frequency broadband type.

### Monitoring

10. Within 6 months of this consent, the Applicant shall prepare a Noise Monitoring Program for the development in consultation with the EPA, and to the satisfaction of the Secretary. This program shall include a noise monitoring protocol for evaluating compliance with the noise impact assessment and land acquisition criteria in this consent.

## 3 MONITORING

Canyon Coal Mine is now in its closure phase and as such, noise monitoring is not undertaken for the site.

## 4 COMPLAINT MANAGEMENT PROCEDURE

The following complaints management protocol will be followed:

- A publicly advertised telephone complaints line is in place to receive complaints.
- Each complaint received will be recorded on a Complaints Register, which will include the following details:
  - The date and time of complaint;
  - Any personal details the complainant wishes to provide or if no such details are provided a note to that effect;



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- The nature of the incident that led to the complaint;
- The action taken by WHC in relation to the complaint, including any follow-up contact with the complainant;
- If no action was taken by WHC, the reason why no action was taken.
- The Environmental Officer will be responsible for ensuring that an initial response is provided within 24 hours of receipt of a complaint.
- Additional measures will be undertaken as required to address the complaint. This may include visiting the complainant, or inviting the complainant to the mine site.
- Once the identified measures are undertaken, the Environmental Officer will sign off on the relevant complaint within the Complaints Register.

A copy of the Complaints Registers will be kept by WHC and made available to the complainant (on request). An annual summary of complaints received will be provided in the Annual Review.

#### 5 **DOCUMENT REVIEW AND REPORTING**

This document will be reviewed in accordance with the requirements of Schedule 5 Condition 12 of DA 8-1-2005, as modified and any relevant information reported in the AR.