



NSW GOVERNMENT
Department of Planning

**Mining & Extractive Industries
Major Development Assessment**
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Mr Ian Follington
Managing Director
Coalpac Pty Limited
Invincible Colliery
Castlereagh Highway
CULLEN BULLEN NSW 2790

Our ref: S97/00573

Dear Mr Follington

**Director-General's Requirements –
Proposed Modification – Invincible Open Cut Extension Project**

The Department has received your application seeking to modify the Invincible Open Cut Extension Project.

I have attached a copy of the Director-General's requirements (DGRs) for the Environmental Assessment (EA) of the proposed modification, and would appreciate it if you would contact the Department at least two weeks before you submit the EA to determine the:

- fees applicable to the application (see Division 1A, Part 15 of the *Environmental Planning & Assessment Regulation 2000*);
- likely consultation and public exhibition arrangements; and
- number of copies (hard-copy or CD-ROM) of the Environmental Assessment that will be required.

As you may know, the Department will review the Environmental Assessment in consultation with the relevant agencies to determine if it adequately addresses the Director-General's requirements. If the Director-General considers the Environmental Assessment to be inadequate, you will be required to revise it prior to public exhibition.

The Director-General's requirements will be placed on the Department's website along with other relevant information which becomes available during the assessment of the project. As a result, the Department would appreciate it if the documents submitted to the Department are in a suitable format for the web. In addition, it would be appreciated if you would arrange for an electronic version of the Environmental Assessment for the project to be hosted on your website and provide a link to place on the Department's website.

If you have any enquiries about these requirements, please contact Colin Phillips of the Department's Mining & Extractive Industries team (02 9228 6483).

Yours sincerely

28.5.07

Chris Wilson
Executive Director
Major Project Assessments
As delegate for the Director-General

Director-General's Requirements

Section 75W of the *Environmental Planning and Assessment Act 1979*

Application number	05_0065-MOD-2
Modification	Modification to the Invincible Open Cut Extension project approval (05_0065) that involves the introduction of auger mining and an increase in annual coal production to 500,000 tonnes of product coal.
Location	Approximately 20 kilometres northwest of Lithgow, NSW
Proponent	Coalpac Pty Limited
Date of Issue	May 2007
Date of Expiration	May 2009
General Requirements	The Environmental Assessment must include • an executive summary; • a detailed description of the modification including the: – need for the modification; – alternatives considered; – various components of the modification; and – the likely inter-relationship between the proposed modification and the existing or approved mining operations in the region; • consideration of any relevant statutory provisions; • a general overview of the environmental impacts of the modification, identifying the key issues for further assessment, and taking into consideration the issues raised during consultation; • a detailed assessment of the key issues specified below, and any other significant issues identified in the general overview of environmental impacts of the modification (see above), which includes: – a description of the existing environment; and – an assessment of the potential impacts of the modification including potential cumulative impacts (particularly traffic and traffic noise) that may arise from the combined operation of the modified project, together with the other approved and existing mines in the region; • a description of the measures that would be implemented to avoid, minimise, mitigate, offset, manage and/or monitor the impacts of the modification, and how the existing environmental monitoring and management programs/plans at the Invincible Colliery would be revised to accommodate the proposed modification; • a Statement of Commitments, outlining environmental management, mitigation and monitoring measures; • a conclusion justifying the modification, taking into consideration the environmental impacts of the project, and the benefits of the project; and • a signed statement from the author of the Environmental Assessment report certifying that the information contained in the report is neither false nor misleading.
Key Issues	• Traffic and Transport – a detailed traffic impact assessment of the impacts of increased coal haulage on public roads, and the likely interactions with other approved, existing or proposed mines in the area • Noise – a detailed assessment of auger mining and road traffic noise impacts; • Surface and Groundwater; • Air Quality; • Greenhouse Gases – a full greenhouse gas assessment (including a quantitative analysis of the greenhouse emissions associated with the combustion of product coal, and a qualitative assessment of the impacts of these emissions on the environment); • Rehabilitation and Final Landform; and • Subsidence.

References	The Environmental Assessment must take into account relevant State and Commonwealth Government technical and policy guidelines. While not exhaustive, guidelines which may be relevant to the project are included in the attached list.
Consultation	During the preparation of the Environmental Assessment, you should consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups or affected landowners. The consultation process and the issues raised must be described in the Environmental Assessment. In particular you should consult with: • NSW Roads and Traffic Authority; • Department of Environment and Climate Change; • Department of Primary Industries; • Lithgow City Council; • Invincible Community Consultative Committee; The consultation process and the issues raised must be described in the Environmental Assessment.
Deemed refusal period	30 days

Technical and Policy Guidelines - For Reference

Aspect	Policy /Methodology
Noise	
	• <i>NSW Industrial Noise Policy</i> (DEC); • <i>Environmental Criteria for Road Traffic Noise</i> (DEC); • <i>Environmental Noise Control Manual</i> (DEC);
Traffic	
	• <i>Guide to Traffic Generating Development</i> (RTA); • <i>RTA Road Design Guide</i> (RTA); • relevant Austroad standards;
Greenhouse Gases	
	• <i>AGO Factors and Methods Workbook</i> (Australian Greenhouse Office);
Rehabilitation	
	• <i>Mine Rehabilitation (2006)</i> (Commonwealth DITR); • <i>Mine Closure and Completion (2006)</i> (Commonwealth DITR);
Soil and Water	
	• <i>Managing Urban Stormwater: Soils & Construction</i> (Landcom); • <i>Guidelines for Fresh and Marine Water Quality</i> (ANZECC); • <i>Rehabilitation Manual for Australian Streams</i> (Land and Water Resources Research and Development Corporation); • the various <i>State Groundwater Policy</i> documents (DNR); • any <i>Water Sharing Plan</i> under the <i>Water Management Act 2000</i> applicable to the site; • <i>Approved Methods for the Sampling and Analysis of Water Pollutants in NSW</i> (DEC);
Air Quality	
	• <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW</i> (DEC); and
EPBC	
	• <i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999: Guide to implementation in NSW May 2007</i> (DoP).