APPENDIX 7.1

Director General's Requirements

Major Projects Assessment
Mining & Industry Projects
Phone: 02 9228 6587
Fax: 02 9228 6466
Email: paul.freeman@planning.nsw.gov.au

Our Ref: 9038493

Mr Jacques Le Roux
General Manager, Mining Engineering
Centennial Angus Place Pty Limited
PO Box 42
WALLERAWANG NSW 2790

Dear Mr Le Roux,

Angus Place Coal Project Modification (06_0021 MOD 1)
Director-General's Requirements

The Department has received your application to modify the Angus Place Coal Project.

The Director-General's requirements for the project are attached. These requirements have been prepared in consultation with relevant agencies, based on the information you have provided to date. I have also attached a copy of the agencies' comments for your information.

Please note that the Director-General may alter these requirements at any time.

If your proposal is likely to have a significant impact on matters of National Environmental Significance, it will require an approval under the Commonwealth *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act). This approval is in addition to any approvals required under NSW legislation. It is your responsibility to contact the Department of Environment, Water, Heritage and the Arts in Canberra (6274 1111 or http://www.environment.gov.au) to determine if the proposal requires an approval under the EPBC Act. If it is subsequently determined that an approval is required under the EPBC Act, please contact the Department of Planning immediately as supplementary Director-General's requirements may need to be issued.

I would appreciate it if you would contact the Department at least two weeks before you propose to submit your EA for the proposed modification. This will enable the Department to:

- confirm the applicable fee (see Division 1A, Part 15 of the Environmental Planning and Assessment Regulation 2000); and
- determine the number of copies (hard-copy and CD-ROM) of the Environmental Assessment (EA) that will be required for exhibition purposes.

Once it receives the EA, the Department will review it in consultation with the relevant agencies to determine if it adequately addresses the Director-General's requirements, and may require you to revise it prior to public exhibition.

The Department is required to make all the relevant information associated with the project publicly available on its website. Consequently, I would appreciate it if you would ensure that all the documents you subsequently submit to the Department are in a suitable format for the web, and arrange for an electronic version of the EA to be hosted on a suitable website.

If you have any enquiries about these requirements, please contact Paul Freeman.

Yours sincerely

Kitto 1/6/10

David Kitto
Director
Mining & Industry Projects
As delegate for the Director-General

Director-General's Requirements

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

Application Number	06_0021 MOD 1
Modification	Modifying the Angus Place Coal Project, including: • developing and extracting longwalls 900 west and 910; • increasing maximum production from 3.5 million tonnes per annum (Mtpa) to 4 Mtpa; • constructing a new dewatering bore at longwall 910; • constructing powerlines and services for the new dewatering bore; • extending the Springvale – Delta Water Transfer Scheme via an underground pipeline corridor to the new dewatering bore; • modifying the existing stockpile area; and • constructing access tracks.
Location	15 kilometres northwest of Lithgow
Proponent	Centennial Angus Place Pty Limited
Date of Issue	1 June 2010
General Requirements	The Environmental Assessment of the proposed modification must include: • an executive summary; • a detailed description of: – historical operations on the site; – existing and approved operations and infrastructure on site, including a copy of all statutory approvals that apply to these operations and infrastructure; and – the existing environmental management and monitoring regime on site; • a detailed description of the proposed modification, including: – need for the proposed modification; and – alternatives considered, including justification for the modified mine plan. • a risk assessment of the potential environmental impacts of the proposed modification, identifying the key issues for further assessment; • a detailed assessment of the key issues specified below, and any other significant issues identified in the risk assessment (see above), which includes: – a description of the existing environment, using sufficient baseline data; – an assessment of the potential impacts of the proposed modification, including any cumulative impacts, taking into consideration any relevant guidelines, policies, plans and statutory provisions (see below); and – a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the proposed modification, including detailed contingency plans for managing any significant risks to the environment; • a statement of commitments, outlining all the proposed environmental management and monitoring measures; • a conclusion justifying the proposed modification on economic, social and environmental grounds, taking into consideration whether the project is consistent with the objects of the *Environmental Planning & Assessment Act 1979*; and

	• a signed statement from the author of the Environmental Assessment, certifying that the information contained within the document is neither false nor misleading.
Key Issues	• **Subsidence** – including: – accurate predictions of potential subsidence effects (both systematic and non-systematic) including cumulative effects and a sensitivity analysis; – identification of sensitive receptors potentially affected by subsidence (such as environmental features and infrastructure) and an assessment of significance of those receptors; – assessment of the potential impacts of subsidence effects on the natural and built environment, with particular reference to sensitive receptors; – identification of how mine design has been or would be used or adapted to manage and/or mitigate subsidence impacts; – identification of how subsidence impacts would be rehabilitated, including methodologies and response times; and – identification of further research required to address any uncertainties or information gaps. • **Soil and Water** – including: – detailed modelling of potential surface and groundwater impacts; – a revised site water balance; – a detailed assessment of potential impacts on: o the quality and quantity of surface water and groundwater resources; and o groundwater dependent ecosystems. – a detailed description of the proposed modification to the mine's water management system, water monitoring program and measures to mitigate surface and groundwater impacts. • **Biodiversity** – including: – a detailed assessment of potential impacts on any terrestrial and aquatic threatened species or populations, associated habitats and endangered ecological communities or groundwater dependent ecosystems; and – a detailed description of the measures that would be implemented to avoid or mitigate impacts on biodiversity. • **Traffic & Transport** – including impacts to Blackmans Flat and Lidsdale. • **Noise & Vibration** – including a cumulative assessment of traffic noise. • **Air Quality**. • **Greenhouse Gases** – including: – a quantitative assessment of the potential scope 1, 2 and 3 greenhouse gas emissions of the proposed modification; – a qualitative assessment of the potential impacts of these emissions on the environment; and – an assessment of all reasonable and feasible measures that could be implemented on site to minimise the greenhouse gas emissions of the project and ensure it is energy efficient. • **Aboriginal Cultural Heritage**. • **Hazards** - including bushfires.
References	The environmental assessment of the key issues listed above must take into account relevant guidelines, policies, and plans. While not exhaustive, the following attachment contains a list of some of the guidelines, policies, and plans that may be relevant to the environmental assessment of this project.
Consultation	During the preparation of the Environmental Assessment, you should consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.

	In particular you must consult with the: • Department of Environment, Climate Change and Water, including the NSW Office of Water; • Industry and Investment NSW; • Mine Subsidence Board; • Lithgow City Council; and • relevant Catchment Management Authorities. The consultation process and the issues raised must be described in the Environmental Assessment.
Deemed Refusal Period	90 days

Policies, Guidelines & Plans

Risk Assessment	
	AS/NZS 4360:2004 Risk Management (Standards Australia)
	HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
Soil & Water	
Soil	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC)
	Rural Land Capability Mapping (DLWC)
	Agricultural Land Classification (DPI)
Surface Water	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management (ARMCANZ/ANZECC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ARMCANZ/ANZECC)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
	State Water Management Outcomes Plan
	NSW Government Water Quality and River Flow Objectives (DECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Managing Urban Stormwater: Soils & Construction (Landcom)
	Managing Urban Stormwater: Treatment Techniques (DECC)
	Managing Urban Stormwater: Source Control (DECC)
	A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)
	Technical Guidelines: Bunding & Spill Management (DECC)
	Environmental Guidelines: Use of Effluent by Irrigation (DECC)
Groundwater	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	NSW State Groundwater Policy Framework Document (DLWC, 1997)
	NSW State Groundwater Quality Protection Policy (DLWC, 1998)
	NSW State Groundwater Quantity Management Policy (DLWC, 1998)
	Guidelines for the Assessment & Management of Groundwater Contamination (DECC, 2007)
Biodiversity	
	Draft Guidelines for Threatened Species Assessment under Part 3A of the *Environmental Planning and Assessment Act 1979* (DEC)
	NSW State Groundwater Dependent Ecosystem Policy (DLWC)
	Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)
	Policy & Guidelines - Fish Friendly Waterway Crossings (NSW Fisheries)
	State Environmental Planning Policy No. 44 – Koala Habitat Protection
Noise & Vibration	
	NSW Industrial Noise Policy (DECC)
	Environmental Noise Management – Assessing Vibration: a technical guide (DEC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Interim Construction Noise Guideline (DECC)
	DIN 4150 Part 3 - Structural Vibration: effects of vibration on structures (ISO, 1999)

Air Quality	
	Protection of the Environment Operations (Clean Air) Regulation 2002
	Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC)
	Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)
Greenhouse Gases	
	National Greenhouse Accounts Factors (Australian Department of Climate Change (DCC))
	Guidelines for Energy Savings Action Plans (DEUS)
Aboriginal Heritage	
	Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW)
	Part 3A EP&A Act Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC & DoP)
Hazards	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Applying SEPP 33 – Hazardous and Offensive Development Application Guidelines (DUAP)
	Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis