

Director-General's Requirements

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

Application Number	06_0014
Project	<p>The proposed Anvil Hill project and associated infrastructure, which includes the:</p> <ul style="list-style-type: none"> • construction and operation of a new open cut coal mine and associated infrastructure; • production of up to 10.5 million tonnes of coal over 21 years for domestic and export markets; and • rehabilitation of the mine
Location	Wybong, approximately 20 kilometres west of Muswellbrook and 10 kilometres north of Denman
Proponent	Centennial Hunter Pty Limited
Date of Issue	26 April 2006
Date of Expiration	26 April 2008
General Requirements	<p>The Environmental Assessment (EA) must include</p> <ul style="list-style-type: none"> • an executive summary; • a detailed description of the project including the: <ul style="list-style-type: none"> – need for the project; – alternatives considered; and – various components and stages of the project; • consideration of any relevant statutory provisions; • an overview of the environmental impacts of the project (including an environmental risk analysis) which takes into consideration the issues raised during consultation; • a detailed assessment of the key issues specified below and any other significant issues identified in the environmental risk analysis, which includes: <ul style="list-style-type: none"> – a description of the existing environment; – an assessment of the potential impacts of the project, including potential cumulative impacts (particularly on flora and fauna, surface water, groundwater, noise, and air quality) that may arise from the combined operation of the 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 project; • a draft Statement of Commitments, outlining environmental management, mitigation and monitoring measures • a conclusion justifying the project, taking into consideration the environmental impacts of the proposal, the suitability of the site, and whether or not the project is in the public interest; • a signed statement from the author of the Environmental Assessment certifying that the information contained in the report is neither false nor misleading.
Key Issues	<ul style="list-style-type: none"> • Flora and Fauna – including impacts on critical habitats, threatened species, populations, ecological communities and native vegetation. A comprehensive offset strategy must be included as part of the mitigation measures for the project to ensure that there is no net loss of flora and fauna values in the area in the medium to long term; • Noise – including construction, operation, and on-site and off-site road and rail noise impacts; • Blasting and Vibration;

	<ul style="list-style-type: none"> • Air Quality – including a detailed greenhouse gas assessment; • Surface and Groundwater - including detailed modelling of potential surface and groundwater impacts, a site water balance, and a detailed description of any proposed creek diversions. A surface and groundwater contingency strategy must be included as part of the mitigation measures for the project which details the measures proposed to protect the supply of water to landowners and the environment in the region; • Rehabilitation, Final Landform and Final Void Management – including a justification of the proposed final land use for the site in relation to the strategic land use objectives for the Wybong area; a detailed description of how the site would be progressively rehabilitated and integrated into the surrounding landscape; and the measures which would be put in place for the long term management of the site (including biodiversity offset areas) following cessation of mining operations. • Heritage - both Aboriginal and non-Aboriginal; • Visual; • Traffic and Transport; and • Social and Economic.
References	The Environmental Assessment must take into account relevant State 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 must 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.
Deemed refusal period	120 days

State Government Technical and Policy Guidelines - For Reference

Aspect	Policy /Methodology
Soil and Water	
	<ul style="list-style-type: none"> • <i>Managing Urban Stormwater: Soils & Construction</i> (Landcom); • <i>Guidelines for Fresh and Marine Water Quality and Guidelines for Water Quality Monitoring and Reporting</i> (ANZECC); • <i>Rehabilitation Manual for Australian Streams</i> (Land and Water Resources Research and Development Corporation); • <i>NSW State Rivers and Estuaries Policy - NSW Sand and Gravel Extraction Policy for Non Tidal Rivers</i> (DNR); • the various <i>State Groundwater Policy</i> documents (DNR); • <i>Approved Methods for the Sampling and Analysis of Water Pollutants in NSW</i> (DEC); • <i>Environmental Guidelines: Use of Effluent by Irrigation</i> (DEC);
Flora and Fauna	
	<ul style="list-style-type: none"> • draft <i>Guidelines for Threatened Species Assessment</i> (DEC); • <i>Threatened Biodiversity Survey and Assessment: Guidelines for Development and Activities</i> (DEC); • <i>Guidelines for Developments Adjoining Department of Environment Conservation Land</i> (DEC); • <i>Guidelines for Assessment of Aquatic Ecology in EIA</i> (DoP); • <i>Policy and Guidelines Aquatic Habitat Management and Fish Conservation</i> (DPI); • <i>NSW Groundwater Dependent Ecosystem Policy</i> (DNR); • <i>Policy and Guidelines for Fish Friendly Waterway Crossings</i> (DPI);
Blasting and Vibration	
	<ul style="list-style-type: none"> • <i>Technical Basis for Guidelines to Minimise Annoyance due to Blasting and Ground Vibration</i> (ANZECC);
Noise	
	<ul style="list-style-type: none"> • <i>NSW Industrial Noise Policy</i> (DEC); • <i>Environmental Criteria for Road Traffic Noise</i> (DEC); • <i>Environmental Noise Control Manual</i> (DEC);
Air Quality	
	<ul style="list-style-type: none"> • <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW</i> (DEC);
Heritage	
	<ul style="list-style-type: none"> • draft <i>Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation</i> (DEC); • <i>Assessing Heritage Significance</i> (NSW Heritage Office); • <i>NSW Heritage Manual</i> (NSW Heritage Office);
Traffic	
	<ul style="list-style-type: none"> • <i>Guide to Traffic Generating Development and Road Design Guide</i> (RTA); • <i>RTA Road Design Guide</i> (RTA); • relevant Austroad standards;
Rehabilitation	
	<ul style="list-style-type: none"> • <i>Guidelines for Rehabilitation of Land for Agricultural End Use</i> (DPI);
Waste	
	<ul style="list-style-type: none"> • <i>Environmental Guidelines: Assessment and Classification and Management of Liquid and Non-Liquid Wastes</i> (DEC).