

Director-General's Requirements

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

Application Number	DA 14/98-MOD 6
Modification	<p>The proposal involves:</p> <ul style="list-style-type: none"> • extracting an additional 53 million tonnes of ore by widening and deepening the existing open cut pit; • increasing the maximum ore processing rate from 6.9 to 7.5 million tonnes of ore per year; • increasing the capacity of certain associated surface infrastructure; • extending the life of the mine by 11 years; and • progressively rehabilitating the site.
Location	38km northeast of West Wyalong, New South Wales
Proponent	Barrick Australia Limited
Date of Issue	14 April 2008
Date of Expiration	14 April 2010
General Requirements	<p>The Environmental Assessment must include:</p> <ul style="list-style-type: none"> • an executive summary; • a description of the existing and approved operations/facilities on site, including all the statutory approvals that apply to these operations; • a detailed description of the proposal including the: <ul style="list-style-type: none"> – need for the proposal; – alternatives considered; – plans for any new building works; and – revised mining operations (incorporating the proposal); • consideration of the proposal against any relevant statutory provisions, including whether it is consistent with the objects of the <i>Environmental Planning and Assessment Act 1979</i>; • a general overview of the environmental impacts of the proposal, identifying the key issues for further assessment; • a detailed assessment of the key issues specified below, and any other significant issues identified in the general overview of the environmental impacts of the proposal (see above), which includes: <ul style="list-style-type: none"> – a description of the existing environment; – an assessment of the potential impacts of the revised mining operations (incorporating the proposal); – a description of the measures that would be implemented to avoid, minimise, mitigate, offset, manage, and/or monitor the potential impacts of the revised mining operations; • a Statement of Commitments, outlining the proposed environmental management, mitigation and monitoring measures; • a conclusion justifying the proposal, taking into consideration the potential costs and benefits of the proposal and the suitability of the site; • 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"> • Surface and Groundwater - including detailed modelling of potential surface and groundwater impacts of the revised mining operations, a geochemical assessment of the potential leachate impacts, and a site water balance demonstrating that the mine has suitable measures in place to provide the necessary water for all stages of the revised mining operations.

	<ul style="list-style-type: none"> • Hazards – including a detailed description of the measures and safeguards that would be implemented across the revised mining operations to minimise the risks associated with the use of cyanide on site (and particularly on the region's fauna); • Noise and Blasting; • Air Quality; • Energy – calculate the scope 1 and 2 emissions of the revised mining operations, and describe what measures would be implemented to ensure these operations are energy efficient; • Flora and Fauna – including an assessment of the potential impacts on threatened species, populations, ecological communities and native vegetation, and a description of the measures that would be implemented to ensure there is no net loss of the biodiversity values of the region in the medium to long term; • Traffic and Transport – including a detailed traffic impact study of the revised mining operations on the safety and performance of the local road network, and a description of the measures that would be implemented to upgrade this network (if necessary) and maintain it during the life of the mine; • Aboriginal Heritage - including an assessment of the potential Aboriginal heritage impacts of the revised mining operations, and a description of the measures that would be implemented to minimise these impacts; • Visual Amenity; • Waste – describe what measures would be implemented to minimise the waste produced by the revised mining operations, and to dispose of this waste; • Rehabilitation and Final Landform – including a detailed Rehabilitation and Landscape Management Strategy for the revised mining operations that defines the objectives for the proposed rehabilitation of the site, justifies the proposed final landform and use, and describes how the site would gradually be rehabilitated and integrated into the surrounding landscape.
References	The Environmental Assessment should take into account the relevant State Government technical and policy guidelines. While not exhaustive, the attached list identifies some of the potentially relevant guidelines.
Consultation	<p>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.</p> <p>In particular you should consult with:</p> <ul style="list-style-type: none"> • Department of Environment, Water, Heritage and the Arts • Department of Environment and Climate Change; • Department of Water and Energy; • Department of Primary Industries (Minerals); • NSW Roads and Traffic Authority; • Bland Shire Council; and • Community Environmental Monitoring and Consultative Committee.
Deemed refusal period	90 days

State Government Technical and Policy Guidelines - For Reference

Aspect	Policy /Methodology
Soil and Water	
<i>Contamination</i>	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC & NHMRC)
	National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPC)
<i>Land Classification</i>	Rural Land Capability Mapping (DLWC)
	Agricultural Land Classification
<i>Erosion & Sediment Control</i>	Managing Urban Stormwater: Soils & Construction (Landcom)
	Design Manual for Soil Conservation Works - Technical Handbook No. 5 (Soil Conservation Service of NSW)
	Wind Erosion - 2nd Edition (DIPNR)
<i>Groundwater</i>	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	Groundwater Flow Modelling Guideline (Murray-Darling Basin Commission)
	Groundwater Quality Sampling Guidelines (Murray-Darling Basin Commission)
	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
<i>Water Quality</i>	Draft NSW State Groundwater Quantity Management Policy (DLWC)
	National Water Quality Management Strategy: Water quality management - an outline of the policies (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Policies and principles - a reference document (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Implementation guidelines (ANZECC/ARMCANZ)
	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)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
<i>Wastewater</i>	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management (ANZECC/ARMCANZ)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ANZECC/ARMCANZ)
	Environmental Guidelines: Use of Effluent by Irrigation (DEC)
Hazards	
	Applying SEPP 33: Hazardous And Offensive Development Application Guidelines (DUAP)
	Multi-Level Risk Assessment (DUAP)
Noise	
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)

Blasting & Vibration	<p>Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration (ANZECC)</p> <p>Assessing Vibration: A Technical Guideline (DECC)</p> <p>Explosives—Storage, Transport and Use, Part 2: Use of Explosives (Standards Australia AS 2187.2)</p>
Air Quality	<p>Protection of the Environment Operations (Clean Air) Regulation 2002</p> <p>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (DEC)</p> <p>Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (DEC)</p>
Energy	<p>National Greenhouse Accounts (NGA) Factors (AGO)</p> <p>Guidelines for Energy Savings Action Plans (DEUS)</p>
Flora and Fauna	<p>Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC)</p>
Aboriginal Heritage	<p>Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)</p>
Traffic & Transport	<p>Guide to Traffic Generating Development (RTA)</p> <p>Road Design Guide (RTA)</p>
Waste	<p>Environmental Guidelines: Assessment, Classification & Management of Non-Liquid and Liquid Waste (NSW EPA)</p> <p>Environmental Guidelines: Use & Disposal of Biosolids Products (NSW EPA)</p> <p>Environmental Guidelines: Solid Waste Landfills (NSW EPA)</p> <p>Technical Guidelines: Bunding & Spill Management</p>
Rehabilitation	<p>Mine Rehabilitation – Leading Practice Sustainable Development Program for the Mining Industry (DITR)</p> <p>Mine Closure & Completion – Leading Practice Sustainable Development Program for the Mining Industry (DITR)</p>