



NSW GOVERNMENT
Department of Planning

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Mr Visko Sulicich
General Manager, Rasp Mine
Broken Hill Operations Pty Ltd
PO Box 5073
BROKEN HILL NSW 2880

Our ref: S06/01265-1

Dear Mr Sulicich

**Rasp Mine Project (07_0018)
Director-General's Requirements**

I refer to your letter dated 5 March 2009 concerning the Rasp Mine Project.

As you are aware, the Director-General's requirements for the environmental assessment for the project expired on 19 March 2009. Consequently, I have attached updated Director-General's requirements for the project. Please ensure that any future environmental assessment of the project complies with these requirements.

For your information, I have also attached a copy of DECC's comments on the previous version of the environmental assessment. Please ensure these comments are also addressed in any future environmental assessment of the project.

I would appreciate it if you would advise the Department at least two weeks before you propose to submit the next version of the environmental assessment of the project to the Department for review.

If you have any enquiries about these requirements, please contact Kane Winwood.

Yours sincerely

29.3.09

Chris Wilson
Executive Director
Major Project Assessment
As delegate of the Director-General

Director-General's Requirements

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

Application number	07_0018
Project	<p>The proposed Rasp Mine Project which includes:</p> <ul style="list-style-type: none"> • extracting up to 8.5 million tonnes of ore by open cut and underground mining methods at a rate of up to 750,000 tpa; • processing ore using a surface crusher and flotation concentrator and managing tailings using a settling facility; • constructing and/or extending associated infrastructure, plant, equipment and activities; and • reinstatement of a rail spur and transport of concentrate in rail wagons to a smelter and/or port.
Location	Within Broken Hill township in the Far West Region of New South Wales.
Proponent	Broken Hill Operations Pty Ltd
Date of Issue	29 March 2009
General Requirements	<p>The Environmental Assessment must include</p> <ul style="list-style-type: none"> • an executive summary; • a detailed description of: <ul style="list-style-type: none"> - historical mining operations on site; - existing and approved mining 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 project, including the: <ul style="list-style-type: none"> - need for the project; - alternatives considered; - likely interactions between existing and approved mining operations and the project; - likely staging of the project; and - plans of any proposed building works; • a risk assessment of the potential environmental impacts of the project, 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: <ul style="list-style-type: none"> - a description of the existing environment, using sufficient baseline data; - an assessment of the potential impacts of all stages of the project, including any cumulative impacts associated with the concurrent operation of the project with any other existing or approved mining operations in the region, taking into consideration any relevant policies, guidelines, plans and statutory provisions (see below); and - a description of the measures that would be implemented to avoid, minimise, mitigate and/or offset the potential impacts of the project, 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 project on economic, social and environmental grounds, taking into consideration whether the project is consistent with the objects of the <i>Environmental Planning & Assessment Act 1979</i>; • 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"> • Air – including: <ul style="list-style-type: none"> ○ assessment of all potential airborne lead and dust emissions from construction, traffic movements, open exposed areas including tailings dams, material processing and handling, transfer points, mine exhaust, loading facilities etc; ○ a health risk assessment identifying all potential pathways of lead exposure from proposed mining operations, including full toxicological profiles of all potential contaminants, and taking into account potential additional long-term exposure to lead and other emissions from proposed mining operations (including transport of ore and the tailings dam); ○ a lead monitoring program based on current best practice with respect to monitoring impacts of off-site lead exposures on the community; and ○ a greenhouse gas assessment; • Noise & Blasting – including construction and operational, and off-site road impacts; • Soil and Water – including erosion controls; • Heritage - both Aboriginal and non-Aboriginal (particularly mining heritage); • Waste – including detailed information on the proposed measures to manage the tailings and waste rock generated by the project; • Transport – including off-site rail impacts; • Rehabilitation and Final Landform – including a Rehabilitation and Landscape Management Strategy which provides <ul style="list-style-type: none"> ○ a detailed overview of the final land use and closure criteria; and ○ identification and discussion of opportunities to improve rehabilitation and environmental outcomes for existing disturbed areas within the project site; and • Social and Economic.
References	<p>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.</p>
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.</p> <p>In particular you should consult with:</p> <ul style="list-style-type: none"> • Department of Environment and Climate Change; • Department of Water and Energy; • Department of Primary Industries; • NSW Health; • Roads and Traffic Authority; • Broken Hill City Council; • Country Water; and • Australian Rail Track Corporation. <p>The consultation process and the issues raised must be described in the Environmental Assessment.</p>
Deemed refusal period	90 days

Policies, Guidelines & Plans

Aspect	Policy /Methodology
Risk	AS/NZS 4360:2004 Risk Management (Standards Australia) HB 203: 203:2006 Environmental Risk Management – Principles & Process (Standards Australia)
Air	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)
Health	<i>Environmental Health Risk Assessment - Guidelines for assessing human health risks from environmental hazards</i> (Commonwealth) Department of Health and Ageing, and enHealth Council (June 2002).
Greenhouse Gas	AGO Factors and Methods Workbook (AGO) Guidelines for Energy Savings Action Plans (DEUS, 2005)
Noise & Blasting	NSW Industrial Noise Policy (EPA) Jan 2000 Environmental Criteria for Road Traffic Noise (NSW EPA) May 1999 Environmental Noise Management Manual (RTA) Dec 2001 Interim Guideline for the Assessment of Noise from Rail Infrastructure Projects (DECC DoP) April 2007 NSW Construction Noise Guideline – Draft August 2008 (DECC) Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration (ANZEC) Sep 1990 Assessing Vibration: a technical guideline (DEC) Feb 2006 Environmental Noise Control Manual (DECC)
Soil and Water	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) Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC) State Environmental Planning Policy No. 55 – Remediation of Land Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)
Soil	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)
Surface Water	

	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
	State Water Management Outcomes Plan
	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)
	Technical Guidelines: Bunding & Spill Management (DECC)
	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
<i>Groundwater</i>	NSW State Groundwater Quantity Management Policy (DLWC) Draft
	Murray-Darling Basin Groundwater Quality. Sampling Guidelines. Technical Report No 3 (MDBC)
	Murray-Darling Basin Commission. Groundwater Flow Modelling Guideline (Aquaterra Consulting Pty Ltd)
Heritage	
<i>Aboriginal</i>	Ask First; A Guide to Respecting Indigenous Heritage Places and Values (AHC) 2002
	Aboriginal Cultural Heritage; Standards and Guidelines Kit (NSW NPWS) Working Draft 1997
	Aboriginal History and Heritage: A Guide (NSW Heritage Office)
	NPW Act 1974: Part 6 Approvals: Interim Community Consultation Requirements for Applicants (NSW NPWS) 2004
	Aboriginal Cultural Heritage Consultation and Investigation (RTA) 2008
	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
<i>Non- Aboriginal</i>	The Australia ICOMOS Burra Charter for Places of Cultural Significance 1999
	The Australian Natural Heritage Charter (For the Conservation of Places of Natural Heritage Significance) 2 nd ed. 2002
	Statements of Heritage Impact (NSW Heritage Office)
	NSW Heritage Manual: Assessing Heritage Significance (NSW Heritage Office) 2001
	NSW Heritage Manual: Conservation Management Documents 1996
	NSW Heritage Manual: Heritage Terms and Abbreviations 1996
Rehabilitation	
	Mine Rehabilitation – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth of Australia)
	Mine Closure and Completion – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth of Australia)
	Strategic Framework for Mine Closure (ANZMEC/MCA)
Social & Economic	
	Draft Economic Evaluation in Environmental Impact Assessment (DOP)
	Techniques for Effective Social Impact Assessment: A Practical Guide (Office of Social Policy, NSW Government Social Policy Directorate)