

# Director-General's Requirements

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

<b>Application Number</b>	MP 10_0018
<b>Project</b>	The Kungala Gravel Quarry Project, which includes: <ul style="list-style-type: none"> <li>• undertaking quarry operations for up to 30 years;</li> <li>• extracting up to 400,000 tonnes of gravel per year, with an average of 50,000 – 80,000 tonnes per year;</li> <li>• expanding the size of the pits to extract a maximum of 4 million tonnes of sandstone and ironstone resource; and</li> <li>• rehabilitating the site.</li> </ul>
<b>Location</b>	690 Kungala Road, Kungala (Lot 7 DP 1126225)
<b>Proponent</b>	Holmes Extractive Resources Pty Ltd
<b>Date of Issue</b>	April 2010
<b>General Requirements</b>	The Environmental Assessment of the project must include: <ul style="list-style-type: none"> <li>• an executive summary;</li> <li>• a detailed description of: <ul style="list-style-type: none"> <li>- existing and approved development on site, including a copy of all statutory approvals that apply to this development; and</li> <li>- the existing environmental management and monitoring regime;</li> </ul> </li> <li>• a detailed description of the project, including: <ul style="list-style-type: none"> <li>- the need for the project;</li> <li>- alternatives considered;</li> <li>- the development to be carried out both on site , including plans of all the proposed building and extractive works, and off-site, particularly with respect to road works;</li> <li>- detailed plans of the proposed rehabilitation of the site, and how this would be integrated with the surrounding land uses; and</li> <li>- likely staging of the project.</li> </ul> </li> <li>• a risk assessment of the potential environmental impacts of the project, identifying the key issues for further assessment;</li> <li>• 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"> <li>- a description of the existing environment, using sufficient baseline data;</li> <li>- an assessment of the potential impacts of all stages of the project, including any cumulative impacts, taking into consideration any relevant policies, guidelines, plans and statutory provisions (see below); and</li> <li>- a description of the measures that would be implemented to avoid, minimise, mitigate and (if necessary) offset the potential impacts of the project, including detailed contingency plans for managing any significant risks to the environment;</li> </ul> </li> <li>• a statement of commitments, outlining all the proposed environmental management and monitoring measures;</li> <li>• 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 &amp; Assessment Act 1979</i>; and</li> <li>• a signed statement from the author of the Environmental Assessment, certifying that the information contained within the document is neither false nor misleading.</li> </ul>
<b>Key Issues</b>	<ul style="list-style-type: none"> <li>• <b>Transport</b> – including: <ul style="list-style-type: none"> <li>- a detailed assessment of the potential impacts of project-related traffic on the safety and efficiency of road networks; and</li> <li>- a detailed description of the measures that would be implemented to upgrade and/or maintain these networks over the life of the project;</li> </ul> </li> <li>• <b>Biodiversity</b> – including: <ul style="list-style-type: none"> <li>- accurate predictions of any vegetation clearing on site;</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- a detailed assessment of the potential impacts of the project on terrestrial and aquatic threatened species, populations, ecological communities or their habitats or on any groundwater dependent ecosystems; and</li> <li>- a detailed description of the measures to maintain or improve the biodiversity values of the surrounding region in the medium to long term;</li> <li>• <b>Noise</b> – including construction noise, operational noise and off-site road noise impacts;</li> <li>• <b>Blasting and Vibration;</b></li> <li>• <b>Air Quality;</b></li> <li>• <b>Soil &amp; Water</b> – including: <ul style="list-style-type: none"> <li>- a site water balance;</li> <li>- a detailed description of the proposed water management system;</li> <li>- a detailed assessment (including modelling) of the potential surface and groundwater impacts of the project, paying particular attention to potential contamination and water availability impacts on local waterways and water users;</li> </ul> </li> <li>• <b>Quarry Closure and Rehabilitation</b> – including a detailed description of the proposed rehabilitation strategy for the quarry, taking into consideration any relevant strategic land use planning or resource management plans or policies;</li> <li>• <b>Visual;</b></li> <li>• <b>Heritage</b> – including Aboriginal and non-Aboriginal heritage;</li> <li>• <b>Waste;</b></li> <li>• <b>Greenhouse Gas;</b> and</li> <li>• <b>Social &amp; Economic</b> – including an assessment of the socio-economic impacts of the project, and the demand on local infrastructure and services.</li> </ul>
<b>References</b>	<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>
<b>Consultation</b>	<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 must consult with the:</p> <ul style="list-style-type: none"> <li>• Department of Environment, Climate Change and Water, including the NSW Office of Water;</li> <li>• Industry and Investment NSW;</li> <li>• Department of Transport and Infrastructure;</li> <li>• relevant Catchment Management Authority; and</li> <li>• Clarence Valley Council.</li> </ul> <p>The consultation process, and the issues raised during this process, must be described in the Environmental Assessment.</p>
<b>Deemed refusal period</b>	60 days

# Policies, Guidelines & Plans

Aspect	Policy /Methodology
<b>Risk</b>	<p>AS/NZS 4360:2004 Risk Management (Standards Australia)</p> <p>HB 203: 203:2006 Environmental Risk Management – Principles &amp; Process (Standards Australia)</p> <p>Risk Management Handbook for the Mining Industry (DPI)</p> <p>Risk Management Policy Framework for Dam Safety (Dam Safety Committee)</p>
<b>Transport</b>	<p>Guide to Traffic Generating Development (RTA)</p> <p>Road Design Guide (RTA)</p>
<b>Biodiversity</b>	<p>Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC)</p> <p>NSW Groundwater Dependent Ecosystem Policy (DLWC)</p> <p>Policy &amp; Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)</p> <p>Policy &amp; Guidelines - Fish Friendly Waterway Crossings (NSW Fisheries)</p> <p>State Environmental Planning Policy No. 44 – Koala Habitat Protection</p>
<b>Noise</b>	<p>NSW Industrial Noise Policy (DECC)</p> <p>Environmental Criteria for Road Traffic Noise (NSW EPA)</p> <p>Draft NSW Construction Noise Guideline (DECC)</p>
<b>Blasting and Vibration</b>	<p><i>Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration</i> (ANZECC, 1990);</p> <p><i>Assessing Vibration: a Technical Guideline</i> (DEC);</p>
<b>Air Quality</b>	<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>
<b>Soil and Water</b>	<p>National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)</p> <p>National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)</p> <p>National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management (ARMCANZ/ANZECC)</p> <p>National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ARMCANZ/ANZECC)</p>
<i>Surface Water</i>	<p>Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)</p> <p>State Water Management Outcomes Plan</p> <p>NSW Government Water Quality and River Flow Environmental Objectives (DECC)</p> <p>Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)</p> <p>Managing Urban Stormwater: Soils &amp; Construction (Landcom)</p> <p>Managing Urban Stormwater Volume 2E: Mines and Quarries (DECC)</p> <p>Managing Urban Stormwater: Treatment Techniques (DECC)</p>

	Managing Urban Stormwater: Source Control (DECC)
	A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)
	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
<i>Groundwater</i>	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
	NSW State Groundwater Quantity Management Policy (DLWC) Draft
	Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC)
<b>Rehabilitation</b>	
	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)
<b>Heritage</b>	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
<i>Non- Aboriginal</i>	NSW Heritage Manual (NSW Heritage Office & DUAP)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
<b>Waste</b>	
	Waste Classification Guidelines (DECC)
<b>Greenhouse Gas</b>	
	National Greenhouse Accounts (NGA) Factors (AGO)
	Guidelines for Energy Savings Action Plans (DEUS)
<b>Social &amp; Economic</b>	
	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)