

Director-General's Requirements

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

Application Number	10_0106
Project	Newrybar Sand Project, which includes: • extracting and processing up to 400,000 tonnes of sand a year, for up to 25 years; • transporting product sand off-site; and • rehabilitating the site.
Location	Newrybar Swamp Road, approximately 12km north-west of Lennox Head
Proponent	McGeary Brothers Pty Ltd
Date of Issue	September 2010
General Requirements	The Environmental Assessment of the project must include: • an executive summary; • a detailed description of the project, including the: – size and quality of the resource; – need for the project; – alternatives considered; – likely components and staging of the project; – plans of any proposed building works; – history and past production details of the site; • 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: – a description of the existing environment, using sufficient baseline data; – an assessment of the potential impacts of the project, including any cumulative impacts, taking into consideration any relevant guidelines, policies, plans and statutory provisions (see below); – a description of the measures that would be implemented to avoid, minimise, mitigate, rehabilitate/remediate, monitor 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 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>; 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	• Soil & Water – including: – an annual site water balance for the project for the proposed life of the project; – a detailed description of the proposed water management system; – a detailed assessment (including modelling) of the potential surface water and groundwater impacts; – contingency strategies, containing measures that would be implemented to avoid, minimise and mitigate any potential impacts; and – a detailed assessment of potential interaction with acid sulfate soils;

	• Biodiversity – including: – a detailed assessment of potential impacts on any terrestrial and aquatic threatened species or populations or their habitats, 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, including an appropriate biodiversity offset and ecological sustainability strategy; • Noise and Vibration – including operational noise and off-site road noise impacts; • Air Quality – including emissions associated with operations and an assessment of greenhouse gas emissions; • Transport – including: – accurate predictions of project-related traffic and detailed information on proposed haulage routes; – detailed assessment of the potential impacts of project-related traffic on the safety and efficiency of road networks; and – a detailed description of the measures that would be implemented to upgrade and/or maintain affected roads and intersections and to reduce traffic related impacts over the life of the project; • Quarry Closure and Rehabilitation – including: – a detailed description of the proposed measures that would be undertaken during quarry closure; – a detailed rehabilitation strategy, including justification for the proposed final landform, taking into consideration the objectives of any relevant strategic land use plans or policies; and – the measures that would be undertaken to ensure sufficient financial resources are available to implement the proposed rehabilitation strategy; • Heritage – including Aboriginal heritage; • Social & Economic – including an assessment of the socio-economic impacts of the project, and the demand on local infrastructure and services • Visual; • Waste; and • Hazard & Risk.
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 or affected landowners. In particular you must consult with the: • Department of Environment, Climate Change and Water (DECCW); • NSW Office of Water (within DECCW); • Department of Industry and Investment; • Ballina Shire Council; and • Northern Rivers Catchment Management Authority. The consultation process, and the issues raised during this process, must be described in the Environmental Assessment.
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) Risk Management Handbook for the Mining Industry (DPI)
Soil and Water	
Soil	Rural Land Capability Mapping (DLWC) 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
Surface Water	NSW Government Water Quality and River Flow Environmental Objectives (DECC) Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC) The NSW State Rivers and Estuaries Policy (NSW Water Resources Council) Floodplain Risk Management Guideline (DECC) Managing Urban Stormwater: Soils & Construction (Landcom) Managing Urban Stormwater Volume 2E: Mines and Quarries (DECC) Managing Urban Stormwater: Treatment Techniques (DECC) Managing Urban Stormwater: Source Control (DECC)
Groundwater	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) The NSW State Groundwater Dependent Ecosystem Policy (DLWC) NSW State Groundwater Quantity Management Policy (DLWC) Draft Draft Guidelines for the Assessment & Management of Groundwater Contamination (DECC)
Biodiversity	Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC) NSW Groundwater Dependent Ecosystem Policy (DLWC) Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries) State Environmental Planning Policy No. 44 – Koala Habitat Protection
Noise & Vibration	NSW Industrial Noise Policy (DECC) 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) Environmental Noise Management – Assessing Vibration: A Technical Guideline (DEC)

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)
	National Greenhouse Accounts (NGA) Factors (AGO)
	Guidelines for Energy Savings Action Plans (DEUS)
Transport	
	Guide to Traffic Generating Development (RTA)
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)
Heritage	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation (DoP and DEC)
	Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW)
<i>Non- Aboriginal</i>	NSW Heritage Manual (NSW Heritage Office & DUAP)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
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)
Waste	
	Waste Classification Guidelines (DECC)