

Director-General's Requirements

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

Application number	06_0278
Project	The Calga Sand Quarry Southern Extension, which includes: • extending existing quarry operations to the south to recover an additional 25 million tonnes of sand; • extracting, processing and transporting by road up to 1,000,000 tonnes of sand a year from the existing and proposed quarry operations; and • progressively rehabilitating the site.
Location	Approximately 12 kilometres west of Gosford, on the Somersby Plateau.
Proponent	Rocla Materials Pty Ltd
Date of Issue	4 March 2009
General Requirements	The Environmental Assessment must include • an executive summary; • a detailed description of the project including the: – need for the project; – alternatives considered; – various components and stages of the project; and – the likely inter-relationship between the proposed operations and the existing or approved quarry operations; • consideration of any relevant statutory provisions; • a general overview of the environmental impacts of the project, identifying the key issues for further assessment, and taking into consideration the issues raised during consultation; • a detailed assessment of the key issues specified below, and any other significant issues identified in the general overview of environmental impacts of the project (see above), which includes: – a description of the existing environment; and – an assessment of the potential impacts of the project; • 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 project, the suitability of the site, and the benefits of the project; and • a signed statement from the author of the Environmental Assessment report certifying that the information contained in the report is neither false nor misleading.
Key Issues	• Surface and Groundwater – including a detailed assessment of the surface and groundwater impacts; a site water balance; and a detailed description of the proposed water management system, including any sediment/water supply dams. As part of the mitigation measures for the project, a surface and groundwater contingency strategy which details the measures proposed to minimise impacts on supply of water (quality and quantity) to the environment and local landowners in the area must be included. • Flora and Fauna – including impacts on critical habitats (including riparian habitat), threatened species, populations or ecological communities; groundwater dependent ecosystems; native vegetation; and the adjacent National Park estate. As part of the mitigation measures for the project, a comprehensive offset strategy which details the measures proposed to ensure that there is no net loss of flora and fauna values in the area in the medium to long term must be included;

	• Rehabilitation, Final Landform and Final Void Management – including a detailed description of how the site would be progressively rehabilitated, revegetated, and integrated into the surrounding landscape; a justification for the proposed final land form and use in relation to any strategic land use objectives (including the draft Central Coast Regional Strategy and Popran National Park Plan of Management); and a detailed description of final void management, the measures that would be put in place to ensure sufficient measures are available to implement the proposed rehabilitation measures, and the ongoing management of the site following the cessation of quarrying activities; • Noise – including operational and off-site road noise impacts; • Air Quality; • Heritage – both Aboriginal and non-Aboriginal; • Traffic and Transport – including details of traffic volumes generated by the project, and an assessment of the capacity and safety of the proposed transport route; • Hazard and Risk – including public safety and site security; • Visual; 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 should consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups or affected landowners. In particular you should consult with: • Department of Environment and Climate Change; • Department of Water and Energy; • Department of Primary Industries; • NSW Roads and Traffic Authority; and • Gosford City Council. The consultation process and the issues raised must be described in the Environmental Assessment.
Deemed refusal period	120 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)
Strategic Plans	Central Coast Regional Strategy Sydney Regional Environmental Plan No. 8 Sydney Regional Environmental Plan No. 9 Gosford Interim Development Order No. 122
Soil and Water	
Soil	Rural Land Capability Mapping (DLWC) Agricultural Land Classification (DPI)
Surface Water	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) State Water Management Outcomes Plan Water Sharing Plan for the Kullnura Mangrove Mountain Groundwater Sources 2003 NSW Government Water Quality and River Flow Environmental Objectives (DECC) Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC) Drinking Water Catchments Regional Environmental Plan No. 1 Managing Urban Stormwater: Soils & Construction (Landcom) 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) NSW State Groundwater Quantity Management Policy (DLWC) Draft
Biodiversity	Draft Guidelines for Threatened Species Assessment under Part 3A of the Environmental Planning and Assessment Act 1979 (DEC) NSW Groundwater Dependent Ecosystem Policy (DLWC) Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries) Policy & Guidelines - Fish Friendly Waterway Crossings (NSW Fisheries) State Environmental Planning Policy No. 44 – Koala Habitat Protection
Rehabilitation	Strategic Framework for Mine Closure (ANZMEC & Minerals Council of Australia) 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)

Noise	
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
	Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration (ANZECC)
	Assessing Vibration: A Technical Guideline (DECC)
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)
Greenhouse Gas	
	AGO Factors and Methods Workbook (AGO)
	Guidelines for Energy Savings Action Plans (DEUS, 2005)
Heritage	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
	NSW Heritage Manual (NSW Heritage Office & DUAP)
<i>Non- Aboriginal</i>	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
Hazards	
	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
	Applying Sepp 33: Hazardous And Offensive Development Application Guidelines (DUAP)
	Hazardous Industry Planning Advisory Paper No. 6 (HIPAP No 6): <i>Guidelines for Hazardous Analysis</i> , (DUAP)
	Multi-Level Risk Assessment (DUAP)
	Planning for Bush Fire Protection (NSW Rural Fire Service)
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)