



NSW GOVERNMENT

Department of Planning

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Our ref: S07/00306

Mr John Green
Mine Manager
South Coast Concrete Crushing and Recycling Pty Ltd
PO Box 192
OAK FLATS NSW 2529

Dear Mr Green

**Director-General's Requirements
Nowra Brickworks Quarry Project
Project Application No: 07_0123**

The Department has received your project application for the Nowra Brickworks Quarry Project at South Nowra in the Shoalhaven local government area.

I have attached a copy of the Director-General's requirements for the project. These requirements have been prepared in consultation with relevant public authorities, and are based on the information that you have provided to date. I have also attached a copy of the public authorities' comments for your information.

Please note that under section 75F(3) of the *Environmental Planning and Assessment Act 1979*, the Director-General may alter these requirements at any time.

If your proposal is likely to have a significant impact on matters of National Environmental Significance, it will require an approval under the Commonwealth *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act). This approval is in addition to any approvals required under NSW legislation. It is your responsibility to contact the Department of the Environment and Water Resources in Canberra ((02) 6274 1111 or <http://www.environment.gov.au>) to determine if your proposal will require an approval under the EPBC Act. The Commonwealth Government has accredited the NSW environmental assessment process for assessing any impacts on matters of National Environmental Significance. As a result, if it is determined that an approval is required under the EPBC Act, please contact the Department immediately as supplementary Director-General's requirements may need to be issued.

I would appreciate it if you would contact the Department at least 2 weeks before you propose to submit your Environmental Assessment of the project to determine:

- the fees applicable (see Division 1A, Part 15 of the *Environmental Planning & Assessment Regulation 2000*);
- whether the proposal requires an approval under the EPBC Act;
- the consultation and public exhibition arrangements that will apply; and
- the number of copies (hard-copy or CD-ROM) of the Environmental Assessment for exhibition purposes.

As you may know, the Department will review the Environmental Assessment in consultation with the relevant authorities to determine if it adequately addresses the Director-General's requirements. If the Director-General considers the Environmental Assessment to be inadequate, you will be required to revise it prior to public exhibition.

The Director-General's requirements will be placed on the Department's website along with other relevant information which becomes available during the assessment of the project. As a result, the Department would appreciate it if all documents that are subsequently submitted to the Department are in a suitable format for the web, and if you would arrange for an electronic version of the Environmental Assessment for the project to be hosted on a suitable website with a link to the Department's website.

If you have any enquiries about these requirements, please contact Michael Young of the Department's Mining and Extractive Industries team, on (02) 9228 6437.

Yours sincerely

Chris Wilson
Executive Director
Major Project Assessments

As delegate of the Director-General

Director-General's Requirements

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

Application Number	07_0123
Project	<p>The continuation and expansion of extractive operations at the Nowra Brickworks Quarry, which includes:</p> <ul style="list-style-type: none"> • continued operation of the quarry and its expansion to the south; • extracting up to 350,000 tonnes of shale material a year; • transporting up to 500,000 tonnes of product a year from the site by road; • importing construction waste and quarry products for recycling; • importing up to 200,000 tonnes of virgin excavated natural material (VENM) for reprocessing and rehabilitation; and • progressively rehabilitating the site.
Site	Lot 464 DP 1058778, Princes Highway, South Nowra
Proponent	South Coast Concrete Crushing and Recycling Pty Ltd
Date of Issue	20 September 2007
Date of Expiration	20 September 2009
General Requirements	<p>The Environmental Assessment must include:</p> <ul style="list-style-type: none"> • an executive summary; • a detailed description of all components of the project including the: <ul style="list-style-type: none"> – quantity and quality of the extractive resource, the likely use of the resource, and whether or not a Mining Lease is still required given that the Proponent holds a Mining Lease for the extraction of brick clay/shale; – need for the project; – alternatives considered; and – various components and stages of the project; • consideration of any relevant statutory provisions, including the objects of the <i>Environmental Planning and Assessment Act 1979</i>; • an overview of all 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: <ul style="list-style-type: none"> – a description of the existing environment; – an assessment of the potential impacts of the project (in particular, the proposed South Coast Correctional Centre), including any cumulative impacts; – 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 certifying that the information contained in the report is neither false nor misleading.
Key Issues	<ul style="list-style-type: none"> • Strategic – assess the potential impacts of the project on any strategic land use planning initiative that the Council may have for the Nowra-Bomaderry area; • Noise – including construction and operational noise and off-site road noise impacts;

	<ul style="list-style-type: none"> • Blasting and Vibration; • Air Quality; • Surface and Ground Water - including details of surface and ground water impacts and a site water balance; details of the proposed water management system including any creek diversions and sediment/water supply dams and water transfers to adjoining land; and a contingency strategy setting out the measures that would be implemented to minimise impacts on the supply of water (quality and quantity) to the environment and surrounding landowners; • Traffic and Transport – details of traffic volumes generated by the project and an assessment of the likely impacts of this traffic on the capacity and safety of the surrounding road network, taking into account the proposed upgrade of the Princes Highway and the construction of the Warra Warra Road roundabout; • Flora and Fauna – including impacts on threatened species, populations or endangered ecological communities or their habitats; and details of vegetation offsets to ensure that there is no net loss to the flora and fauna values of the area; • Visual; • Heritage – including Aboriginal and non-Aboriginal heritage; and • Rehabilitation and Final Land Form - including a justification for the proposed final land form and use in relation to any strategic land use objectives for the area; a detailed description of how the site would be progressively rehabilitated and integrated into the surrounding landscape; the measures that would be put in place to ensure sufficient financial resources are available to implement the proposed rehabilitation measures, and the ongoing management of the site following the cessation of extraction activities.
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	<p>During the preparation of the Environmental Assessment, you should consult with the relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>In particular you should consult with:</p> <ul style="list-style-type: none"> • Department of Commerce; • Department of Environment and Climate Change; • Department of Lands; • Department of Primary Industries; • Department of Water and Energy; • Roads and Traffic Authority; and • Shoalhaven City Council. <p>The consultation process and the issues raised must be described in the Environmental Assessment.</p>
Deemed refusal period	60 days

State Government Technical and Policy Guidelines - For Reference

Aspect	Policy /Methodology
Strategic	
	South Coast Regional Strategy (DOP)
Noise	
	NSW Industrial Noise Policy (DECC)
	Environmental Criteria for Road Traffic Noise (NSW EPA)
	Environmental Noise Control Manual (DECC)
Blasting and Vibration	
	Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration (ANZECC)
	Assessing Vibration: A Technical Guideline (DEC)
	Explosives—Storage, transport and use, Part 2: Use of Explosives (Standards Australia AS 2187.2)
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)
Soil and Waters	
<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)
	Soil and Landscape Issues in Environmental Impact Assessment (DLWC)
	Wind Erosion - 2nd Edition (DIPNR)
<i>Groundwater</i>	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
	The NSW State Groundwater Dependent Ecosystem Policy (DLWC)
<i>Salinity</i>	NSW Salinity Strategy (DLWC)
<i>Water Quality</i>	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 drinking water guidelines (NHMRC/NRMMC)
	National Water Quality Management Strategy: Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC/ARMCANZ)
	Bunding and Spill Management (EPA)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (DEC)
Traffic & Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)

Flora and Fauna	
	Policy & Guidelines - Aquatic Habitat Management and Fish Conservation (NSW Fisheries)
	Policy & Guidelines for Fish Friendly Waterway Crossings (NSW Fisheries)
	Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (NSW Fisheries)
	Threatened Biodiversity Survey and Assessment: Guidelines for Developments and Activities. Working Draft (DEC)
	Draft Guidelines for Threatened Species Assessment under Part 3A of the <i>Environmental Planning and Assessment Act 1979</i> (DEC)
	Commonwealth Environmental Protection and Biodiversity Conservation Act 1999 - Guide to implementation in NSW (DoP)
	Environment Protection and Biodiversity Conservation Regulations 2000 (Schedule 4)
Visual	
	Control of Obtrusive Effects of Outdoor Lighting (Standards Australia, AS 4282)
Heritage	
<i>Aboriginal</i>	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
	Aboriginal Cultural Heritage Standards and Guidelines Kit (NSW EPA)
<i>Non-Indigenous</i>	NSW Heritage Manual (NSW Heritage Office & DUAP)
	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
Waste	
	Environmental Guidelines: Assessment Classification and Management of Non-Liquid and Liquid Waste (NSW EPA)