



NSW GOVERNMENT
Department of Planning

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Our ref: S08/01141

Mr Andrew Driver
Hanson Construction Materials Pty Ltd
Locked Bag 5260
PARRAMATTA NSW 2124

Dear Mr Driver,

**Bass Point Quarry Project (08_0143)
Director-General's Requirements**

The Department has received your application for the Bass Point Quarry Project.

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

Please note that the Director-General may alter these requirements at any time.

The Department prefers quarries, such as the Bass Point Quarry, to operate under a single, modern planning approval. You are therefore encouraged to develop the project with this preference in mind, and should consider surrendering all the old consents for the quarry if this application is ultimately approved.

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, Water, Heritage and the Arts in Canberra (6274 1111 or <http://www.environment.gov.au>) to determine if the project will require an approval under the EPBC Act. The Commonwealth Government has accredited the NSW environmental assessment process, so 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 two weeks before you propose to submit your Environmental Assessment of the project. This will allow the Department to determine the:

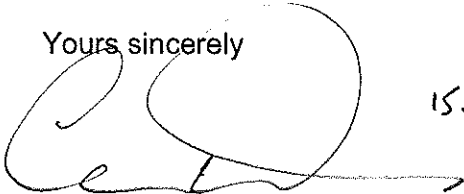
- Applicable fee (see Division 1A, Part 15 of the *Environmental Planning & Assessment Regulation 2000*); and
- number of copies (hard-copy or CD-ROM) of the Environmental Assessment required for exhibition purposes.

Once it receives the Environmental Assessment, the Department will review it in consultation with the relevant agencies to determine if it adequately addresses the Director-General's requirements, and may require you to revise it prior to public exhibition.

The Department is required to make all the relevant information associated with the project publicly available on its website. Consequently, I would appreciate it if you would ensure that all the documents you subsequently submit to the Department are in a suitable format for the web, and arrange for an electronic version of the Environmental Assessment to be hosted on a suitable website during the exhibition period.

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

Yours sincerely

A handwritten signature in black ink, appearing to be 'Chris Wilson', written over a large, faint circular stamp.

15.9.08

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	08_0143
Project	The Bass Point Quarry Project, which includes: - expanding the existing quarry; - importing up to 200,000 tonnes of virgin excavated natural material (VENM) a year to the quarry for reprocessing and rehabilitation; - augmenting, upgrading and using the existing surface infrastructure at the quarry; - transporting up to 4 million tonnes of extractive material a year from the quarry by road; and - rehabilitating the site.
Site	Lot 22 DP 1010797, Boolwarroo Pde, Shellharbour
Proponent	Hanson Construction Materials Pty Ltd
Date of Issue	15 September 2008
General Requirements	The Environmental Assessment of the project must include: - an executive summary; - a detailed description of the: - historical quarrying operations; - existing and approved operations/facilities on site, including any statutory approvals that apply to these operations/facilities; and - the existing environmental management and monitoring regime for the quarry; - a detailed description of the project, including the: - need for the project; - alternatives considered, including a justification for the proposed quarry plan; - 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: - 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, 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 potentially 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 within the document is neither false nor misleading.
Key Issues	Strategic – assess the project against the strategic land use planning objectives for the area; and consider the potential for the project to assist with achieving the aims of <i>State Environmental Planning Policy No. 71 – Coastal Protection</i>, and in particular improving public access between the Bass Point Nature Reserve and Killalea State Park;

	• Soil & Water – including: - a detailed assessment of the potential impacts of the project on the quantity and quality of the surface and groundwater resources of the area, paying particular attention to the potential impacts of the project on the Killalea Lagoon and Bushrangers Bay Aquatic Reserve; - a site water balance, which includes a detailed description of the measures that would be implemented to minimise water use on site; - a detailed description of the proposed water management system; • Noise & Blasting – including construction, operational, and road traffic noise impacts; • Air Quality; • Greenhouse Gas: including: - a quantitative assessment of the potential scope 1, 2 and 3 greenhouse gas emissions of the project, and qualitative assessment of the potential impacts; and - a detailed description of the measures that would be implemented to minimise the energy use of the project; • Transport – including a detailed assessment of the potential impacts of the project on the safety and performance of the surrounding road network; • Biodiversity – including: - accurate estimates of any vegetation clearing associated with the project; - a detailed assessment of the potential impacts of the project on any terrestrial and aquatic threatened species, populations, ecological communities or their habitats; and - a detailed description of the measures that would be implemented to maintain or improve the biodiversity values of the surrounding region in the medium to long term; • Heritage – both Aboriginal and non-Aboriginal; • Hazards – including an assessment of the geotechnical stability of the quarry during all stages of the project; • Waste – including: - robust estimates of the quantity and nature of the potential waste streams of the project; - a detailed description of the measures that would be implemented to minimise, reuse, recycle and dispose of any waste produced on site; • Visual – concentrating on minimising the visibility of the site from the surrounding area, and in particular from popular tourist destinations such as the Bass Point Nature Reserve and Killalea State Park; • Rehabilitation – including a detailed description of both: - the proposed rehabilitation strategy for the quarry, taking into consideration any relevant strategic land use planning or resource management plans or policies; and - the financial assurances that would be put in place to ensure that this strategy is implemented properly; and • Social & Economic.
References	The environmental assessment of the key issues listed above should 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 and affected landowners. In particular you should consult with: • Department of Environment and Climate Change; • Department of Primary Industries; • Department of Water and Energy; • Roads and Traffic Authority; and • Shellharbour Council.

	The consultation process and the issues raised 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)
Soil and Water	
Soil	Rural Land Capability Mapping (DLWC)
	Agricultural Land Classification (DPI)
	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 if Groundwater Contamination (DECC)
	State Environmental Planning Policy No. 55 – Remediation of Land
	Managing Land Contamination – Planning Guidelines SEPP 55 – Remediation of Land (DOP)
	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)
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
	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)
	Floodplain Management Manual (DNR)
	Floodplain Risk Management Guideline (DECC)
	A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)
	Technical Guidelines: Bunding & Spill Management (DECC)
	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)
	Environmental Guidelines: Use of Effluent by Irrigation
	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
Groundwater	NSW State Groundwater Policy Framework Document (DLWC)
	NSW State Groundwater Quality Protection Policy (DLWC)
	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)

Noise & Blasting	
	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)
Transport	
	Guide to Traffic Generating Development (RTA)
	Road Design Guide (RTA)
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)
	Policy & Guidelines - Fish Friendly Waterway Crossings (NSW Fisheries)
	State Environmental Planning Policy No. 14 – Coastal Wetlands
	State Environmental Planning Policy No. 26 – Littoral Rainforests
	State Environmental Planning Policy No. 44 – Koala Habitat Protection
Heritage	
Aboriginal	Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation (DEC)
	NSW Heritage Manual (NSW Heritage Office & DUAP)
Non- Aboriginal	The Burra Charter (The Australia ICOMOS charter for places of cultural significance)
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 – Guidelines for Hazard Analysis
Waste	
	Waste Classification Guidelines (DECC)
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)
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)
Strategic Plans	
	State Environmental Planning Policy No. 71 – Coastal Protection
	Illawarra Regional Strategy (DOP)
	Illawarra Regional Environmental Plan No. 1