

Secretary's Environmental Assessment Requirements

Section 78A(8A) of the *Environmental Planning and Assessment Act 1979*

Application Number	SSD 6624
Proposal	<p>The proposed Sly's Quarry Expansion Project includes:</p> <ul style="list-style-type: none">• expanding the existing main quarry pit;• closing and rehabilitating two other quarry pits;• increasing the maximum extraction rate of sandstone to 500,000 tonnes a year; and• increasing the quarry's hours of truck dispatch, Monday to Friday.
Location	Tullymorgan-Jackybulbin Road, Mororo NSW 2469
Applicant	Newman Quarrying Pty Ltd
Date of Issue	21 August 2014
General Requirements	<p>The Environmental Impact Statement (EIS) for the development must comply with the requirements in Clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>.</p> <p>In particular, the EIS must include:</p> <ul style="list-style-type: none">• a full description of the development, including:<ul style="list-style-type: none">– the resource to be extracted, demonstrating efficient resource recovery within environmental constraints, and having regard to DRE's requirements (see Attachment 2);– the site layout and extraction plan;– processing activities;– a waste (overburden, leachate, etc.) management strategy;– a water management strategy, dealing with the EPA's and Department of Primary Industries' requirements (see Attachment 2);– a rehabilitation strategy, having regard to the key principles in the <i>Strategic Framework for Mine Closure</i>; and– the likely interactions between the development and any other existing, approved or proposed extractive industry development in the vicinity of the site, including the proposed explosives depot;• a list of any approvals that must be obtained before the development may commence;• an assessment of the likely impacts of the development on the environment, focussing on the specific issues identified below, including:<ul style="list-style-type: none">– a description of the existing environment likely to be affected by the development, <u>using sufficient baseline data</u>;– an assessment of the likely impacts of all stages of the development, including any cumulative impacts, taking into consideration any relevant laws, environmental planning instruments, guidelines, policies, plans and industry codes of practice;– a description of the measures that would be implemented to mitigate and/or offset the likely impacts of the development, and an assessment of:<ul style="list-style-type: none">○ whether these measures are consistent with industry best practice, and represent the full range of reasonable and feasible mitigation measures that could be implemented;○ the likely effectiveness of these measures; and○ whether contingency plans would be necessary to manage any residual risks; and– a description of the measures that would be implemented to monitor and report on the environmental performance of the development if

	<p>it is approved;</p> <ul style="list-style-type: none"> • a consolidated summary of all the proposed environmental management and monitoring measures, identifying all the commitments in the EIS; • consideration of the development against all relevant environmental planning instruments (including Part 3 of the <i>State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007</i>); and • the reasons why the development should be approved having regard to biophysical, economic and social considerations, including the principles of ecologically sustainable development. <p>While not exhaustive, Attachment 1 contains a list of some of the environmental planning instruments, guidelines, policies, and plans that may be relevant to the environmental assessment of this development.</p> <p>In addition to the matters set out in Schedule 1 of the <i>Environmental Planning and Assessment Regulation 2000</i>, the development application must be accompanied by a signed report from a suitably qualified expert that includes an accurate estimate of the:</p> <ul style="list-style-type: none"> • capital investment value (as defined in Clause 3 of the <i>Environmental Planning and Assessment Regulation 2000</i>) of the development, including details of all the assumptions and components from which the capital investment value calculation is derived; and • jobs that would be created during each stage of the development.
Key Issues	<p>The EIS must address the following specific matters:</p> <ul style="list-style-type: none"> • Noise and Blasting – including: <ul style="list-style-type: none"> – an assessment of the likely operational noise impacts of the development under the <i>NSW Industrial Noise Policy</i>, paying particular attention to the obligations in Chapters 8 and 9 of the policy; – if a claim is made for specific construction noise criteria for certain activities, then this claim must be justified and accompanied by an assessment of the likely construction noise impacts of these activities under the <i>Interim Construction Noise Guideline</i>; – an assessment of the likely road noise impacts of the development under the <i>NSW Road Noise Policy</i>; and – an assessment of the likely blasting impacts of the development on people, animals, buildings, and infrastructure, and significant natural features, having regard to the relevant ANZEC guidelines; • Water – including: <ul style="list-style-type: none"> – an assessment of the likely impacts of the development on the quantity and quality of the region's surface and groundwater resources, having regard to the EPA's and DPI's requirements (see Attachment 2); – an assessment of the likely impacts of the development on aquifers, watercourses, riparian land, water-related infrastructure, and other water users; and – the development of a Stormwater Management Plan; • Social & Economic – including an assessment of the likely social and economic impacts of the development, paying particular attention to: <ul style="list-style-type: none"> – the significance of the resource; – economic benefits of the project for the State and region; and – the demand for the provision of local infrastructure and services; • Traffic – including: <ul style="list-style-type: none"> – an assessment of the likely traffic impacts of the development on the capacity, condition, safety and efficiency of the local and State road network, having regard to any requirements of the RMS and Council's requirements (see Attachment 2); and – consideration of access arrangements for the proposed development, as well as the proposed explosives depot;

	<ul style="list-style-type: none"> • Biodiversity – including: <ul style="list-style-type: none"> – an assessment of the likely biodiversity impacts of the development, having regard to OEH's requirements (see Attachment 2); and – a biodiversity offset strategy to ensure the development would maintain or improve the biodiversity values of the region in the medium to long term; • Hazards – including: <ul style="list-style-type: none"> – a consideration of the associated local development proposal for the explosives depot; and – the potential for bushfire; • Visual – including an assessment of any visual impacts of the development on nearby private landowners and key vantage points in the public domain, including potential lighting impacts; • Heritage – including an assessment of the likely Aboriginal and historic heritage (cultural and archaeological) impacts of the development, having regard to the Heritage Council's and OEH's requirements (see Attachment 2); • Land – an assessment of the compatibility of the development with other land uses in the vicinity of the development in accordance with the requirements in Clause 12 of <i>State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007</i>; and • Air – including an assessment of the likely air quality impacts of the development in accordance with the <i>Approved Methods for the Modelling and Assessment of Air Pollutants in NSW</i>.
Consultation	<p>During the preparation of the EIS, you must consult with relevant local, State or Commonwealth Government authorities, infrastructure and service providers, Aboriginal stakeholders, community groups and affected landowners.</p> <p>The EIS must describe the consultation that was carried out, identify the issues raised during this consultation, and explain how these issues have been addressed in the EIS.</p>

ATTACHMENT 1

Environmental Planning Instruments, Policies, Guidelines & Plans

Traffic

Guide to Traffic Generating Development (RMS)
Road Design Guide (RMS) & relevant Austroads Standards

Noise & Blasting

NSW Industrial Noise Policy and associated Application Notes (EPA)
NSW Road Noise Policy (EPA)
Interim Construction Noise Guideline (EPA)
Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration (ANZEC)

Air

Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA)
Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA)

Land

Agricultural Issues for Extractive Industries (DPI)
State Environmental Planning Policy No. 55 – Remediation of Land
State Environmental Planning Policy Rural Lands 2008

Biodiversity

Draft NSW Biodiversity Offsets Policy (OEH)
BioBanking Assessment Methodology (OEH)
NSW State Groundwater Dependent Ecosystem Policy 2002 (NOW)
State Environmental Planning Policy No.44 – Koala Habitat Protection
Threatened Species Survey and Assessment Guidelines: Field Survey Methods for Fauna – Amphibians (OEH)
Threatened Biodiversity Survey and Assessment: Guidelines for Developments and Activities – Working Draft (OEH)
Threatened Species Assessment Guideline – The Assessment of Significance (OEH)
Guidelines for Threatened Species Assessment 2005
Risk Assessment Guidelines for Groundwater Dependent Ecosystems 2012 (NOW)

Heritage

Aboriginal Cultural Heritage Consultation Requirements for Proponents (OEH)
Code of Practice for the Archaeological Investigation of Aboriginal Objects in NSW (OEH)
Draft Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation 2005
Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (OEH)

Water

Groundwater

NSW State Groundwater Policy Framework Document 1997 (NOW)
NSW State Groundwater Quality Protection Policy 1998 (NOW)
NSW Water Extraction Monitoring Policy 2007 (NOW)
Groundwater Monitoring and Modelling Plans - Information for prospective mining and petroleum exploration activities (NOW)
NSW Aquifer Interference Policy 2012 (NOW)
Australian Groundwater Modelling Guidelines 2012 (Commonwealth)
National Water Quality Management Strategy Guidelines for Groundwater

Surface Water	Protection in Australia (ARMCANZ/ANZECC)
	Guidelines for the Assessment & Management of Groundwater Contamination (EPA)
	NSW Government Water Quality and River Flow Objectives (EPA)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (EPA)
	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)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (EPA)
	Managing Urban Stormwater: Soils & Construction (Landcom) and associated Volume 2E: Mines and Quarries (EPA)
	Managing Urban Stormwater: Treatment Techniques (EPA)
	Managing Urban Stormwater: Source Control (EPA)
	Technical Guidelines: Bunding & Spill Management (EPA)
	Environmental Guidelines: Use of Effluent by Irrigation (EPA)
	NSW Guidelines for Controlled Activities on Waterfront Land 2012 (NOW)
	NSW State Rivers and Estuaries Policy 1993 (NOW)
	NSW Wetlands Management Policy 1996 (NOW)
Waste	
	Waste Classification Guidelines (EPA)
Hazards	
	State Environmental Planning Policy No.33 – Hazardous and Offensive Development
	Explosives Act 2003
	Explosives Regulations 2005
Rehabilitation	
	Mine Rehabilitation – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth)
	Mine Closure and Completion – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth)
	Strategic Framework for Mine Closure (ANZMEC-MCA)
Environmental Planning Instruments - General	
	State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007
	State Environmental Planning Policy (State and Regional Development) 2011
	State Environmental Planning Policy (Infrastructure) 2007
	The Clarence Valley Local Environmental Plan 2011
Development Control Plans	
	The North Coast Regional Environmental Plan
	Clarence Valley Local Environmental Plan 2011
	The Clarence Valley Council DCP – Development in Rural Zones
	Clarence Valley Contributions Plan 2011
	The Mid North Coast Regional Strategy (DPI)
	The Clarence Valley Settlement Strategy