

Secretary's Environmental Assessment Requirements 1512 Petersons Quarry

General Requirements	EIS Section
The Environmental Impact Statement (EIS) for the development must comply with the requirements in Clauses 6 and 7 of Schedule 2 of the Environmental Planning and Assessment Regulation 2000. In particular, the EIS must include the following.	
<p>an executive summary</p> <p>a comprehensive description of the development, including:</p> <ul style="list-style-type: none"> • a detailed site description and history of any previous quarrying on the site, including a current survey plan; • identification of the resource, including the amount, type, composition; • the layout of the proposed works and components (including any existing infrastructure that would be used for the development); • an assessment of the potential impacts of the development, as well as any cumulative impacts, including the measures that would be used to minimise, manage or offset these impacts; • a detailed rehabilitation plan for the site; • any likely interactions between the development and any existing/approved developments and land uses in the area, paying particular attention to potential land use conflicts with nearby residential development; • a list of any other approvals that must be obtained before the development may commence; • the permissibility of the development, including identification of the land use zoning of the site; • identification of sensitive receivers likely to be affected by the development using clear maps/plans, including key landform areas, such as conservation areas and waterways; <p>a suitable monitoring and reporting procedure to ensure that the total resource extracted by the development does not exceed 5 million tonnes</p>	<p>Executive Summary</p> <p>1 & 2 & 3</p> <p>2.4</p> <p>2.3</p> <p>3 & 5 & 6</p> <p>2.16</p> <p>5</p> <p>3.3</p> <p>3.5</p> <p>1.8</p> <p>2.15</p>
<p>a conclusion justifying why the development should be approved, taking into consideration:</p> <ul style="list-style-type: none"> • alternatives; • the suitability of the site; • the biophysical, economic and social impacts of the project, having regard to the principles of ecologically sustainable development; and • whether the project is consistent with the objects of the Environmental Planning and Assessment Act 1979; and 	<p>6</p>
<p>a signed declaration from the author of the EIS, certifying that the information contained within the document is neither false nor misleading.</p>	<p>Page ii</p>
Consultation	
<p>In preparing the EIS for the development, you should consult with relevant local, State or Commonwealth Government authorities, infrastructure and service providers and any surrounding landowners that may be impacted by the development. 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>	<p>1.7</p>
<p>The EIS must assess the potential impacts of the proposal at all stages of the development, including the establishment, operation and decommissioning of the development. The EIS must address the following specific issues:</p>	
<p>Noise – including a quantitative assessment of potential:</p> <ul style="list-style-type: none"> • construction and operational noise and off-site transport noise impacts of the development in accordance with the Interim Construction Noise Guideline, NSW Noise Policy for Industry and NSW Road Noise Policy respectively; • reasonable and feasible mitigation measures to minimise noise emissions; and • monitoring and management measures; 	<p>5.4</p>

<p>Blasting & Vibration –</p> <ul style="list-style-type: none"> • proposed hours, frequency, methods and impacts; and • an assessment of the likely blasting and vibration impacts of the development, having regard to the relevant ANZEC guidelines and paying particular attention to impacts on people, buildings, livestock, infrastructure and significant natural features; 	5.4
<p>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>. The assessment is to give particular attention to potential dust impacts on any nearby private receivers due to construction activities, the operation of the quarry and/or road haulage;</p>	5.3
<p>Water – including:</p> <ul style="list-style-type: none"> • a detailed site water balance and an assessment of any volumetric water licensing requirements, including a description of site water demands, water disposal methods (inclusive of volume and frequency of any water discharges), water supply infrastructure and water storage structures; • identification of any licensing requirements or other approvals required under the Water Act 1912 and/or Water Management Act 2000; • demonstration that water for the construction and operation of the development can be obtained from an appropriately authorised and reliable supply in accordance with the operating rules of any relevant Water Sharing Plan (WSP); • a description of the measures proposed to ensure the development can operate in accordance with the requirements of any relevant Water Sharing Plan or water source embargo; • an assessment of activities that could cause erosion or sedimentation issues, and the proposed measures to prevent or control these impacts; • an assessment of any likely flooding impacts of the development; • an assessment of potential impacts on the quality and quantity of existing surface and ground water resources, including a detailed assessment of proposed water discharge quantities and quality against receiving water quality and flow objectives; and • a detailed description of the proposed water management system, water monitoring program and other measures to mitigate surface and groundwater impacts; 	5.5
<p>Biodiversity – including:</p> <ul style="list-style-type: none"> • accurate predictions of any vegetation clearing on site; • a detailed assessment of the potential biodiversity impacts of the development, paying particular attention to threatened species, populations and ecological communities and groundwater dependent ecosystems undertaken in accordance with Sections 7.2 and 7.7 of the Biodiversity Conservation Act 2016; and • a detailed description of the proposed measures to maintain or improve the biodiversity values of the site in the medium to long term, as relevant. 	5.2
<p>Heritage – including:</p> <ul style="list-style-type: none"> • an assessment of the potential impacts on Aboriginal heritage (cultural and archaeological), including evidence of appropriate consultation with relevant Aboriginal communities/parties and documentation of the views of these stakeholders regarding the likely impact of the development on their cultural heritage; and • identification of Historic heritage in the vicinity of the development and an assessment of the likelihood and significance of impacts on heritage items, having regard to the relevant policies and guidelines listed in Attachment 1; 	5.6

<p>Traffic & Access – including:</p> <ul style="list-style-type: none"> • accurate predictions of the road traffic generated by the construction and operation of the development, including a description of the types of vehicles likely to be used for transportation of quarry products; • an assessment of potential traffic impacts on the capacity, condition, safety and efficiency of the local and State road networks, detailing the nature of the traffic generated, transport routes, traffic volumes and potential impacts on local and regional roads; • a description of the measures that would be implemented to maintain and/or improve the capacity, efficiency and safety of the road network (particularly the proposed transport routes) over the life of the development; • evidence of any consultation with relevant roads authorities, regarding the establishment of agreed contributions towards road upgrades or maintenance; and • a description of access roads, specifically in relation to nearby Crown roads and fire trails; 	5.1
<p>Land Resources– including an assessment of:</p> <ul style="list-style-type: none"> • potential impacts on soils and land capability (including potential erosion and land contamination) and the proposed mitigation, management and remedial measures (as appropriate); • potential impacts on landforms (topography), paying particular attention to the long-term geotechnical stability of any new landforms (such as overburden dumps, bunds etc); and • the compatibility of the development with other land uses in the vicinity of the development, in accordance with the requirements of Clause 12 of State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007; 	5.7
<p>Waste – including estimates of the quantity and nature of the waste streams that would be generated or received by the development and any measures that would be implemented to minimise, manage or dispose of these waste streams;</p>	5.9
<p>Hazards – including an assessment of the likely risks to public safety, paying particular attention to potential bushfire risks and the transport, storage, handling and use of any hazardous or dangerous goods;</p>	5.9
<p>Visual – including an assessment of the likely visual impacts of the development on private landowners in the vicinity of the development and key vantage points in the public domain, including with respect to any new landforms;</p>	5.8
<p>Social & Economic – an assessment of the likely social and economic impacts of the development, including consideration of both the significance of the resource and the costs and benefits of the project; and</p>	5.10
<p>Rehabilitation – including:</p> <ul style="list-style-type: none"> • a detailed description of the proposed rehabilitation measures that would be undertaken throughout the development and during quarry closure; • a detailed rehabilitation strategy, including justification for the proposed final landform and consideration of 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, recognising that a rehabilitation bond will likely be required as a condition of any future development consent. 	2.14
Environmental Planning Instruments	
<p>The EIS must take into account all relevant State Government environmental planning instruments, guidelines, policies, and plans. 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>During the preparation of the EIS you must also consult the Department’s EIS Guideline – Extractive Industries – Quarries. This guideline is available at http://www.planning.nsw.gov.au/~media/Files/DPE/Guidelines/extractive-industries-quarries-eis-guideline-1996-10.ashx.</p> <p>In addition, the EIS must assess the development against the Richmond Valley Local Environmental Plan 2012 and any relevant development control plans/strategies..</p>	3