



Appendix 3

Coverage of Secretary's Environmental Assessment Requirements and Requirements of Consulted Government Agencies

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The following table lists the relevant requirements provided by the Department of Planning & Environment that need to be addressed in the EIS for the continued operation and proposed extension of the Dowe's Quarry and where each requirement is addressed in the EIS.

Table A3.1
Coverage of Secretary's Environmental Assessment Requirements in the EIS

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Paraphrased Relevant Requirement	Relevant EIS Section(s)
GENERAL REQUIREMENTS	
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:	
<ul style="list-style-type: none"> an executive summary; 	Executive Summary
<ul style="list-style-type: none"> a comprehensive description of the development, including: <ul style="list-style-type: none"> a detailed site description and history of any previous quarrying on the site, including a current survey plan; 	Sections 1 & 2
<ul style="list-style-type: none"> <ul style="list-style-type: none"> identification of the resource, including the amount, type, composition; 	2.4.1
<ul style="list-style-type: none"> <ul style="list-style-type: none"> the layout of the proposed works and components (including any existing infrastructure that would be used for the development); 	2.3
<ul style="list-style-type: none"> <ul style="list-style-type: none"> 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; 	Section 5
<ul style="list-style-type: none"> <ul style="list-style-type: none"> a detailed rehabilitation plan for the site; 	2.14
<ul style="list-style-type: none"> <ul style="list-style-type: none"> 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; 	Section 5
<ul style="list-style-type: none"> <ul style="list-style-type: none"> a list of any other approvals that must be obtained before the development may commence; 	3.3
<ul style="list-style-type: none"> <ul style="list-style-type: none"> the permissibility of the development, including identification of the land use zoning of the site; 	3.5.1
<ul style="list-style-type: none"> <ul style="list-style-type: none"> 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; 	4.3
<ul style="list-style-type: none"> a conclusion justifying why the development should be approved, taking into consideration: <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 	Section 7
<ul style="list-style-type: none"> a signed declaration from the author of the EIS, certifying that the information contained within the document is neither false nor misleading. 	page v



Table A3.1 (Cont'd)
Coverage of Secretary's Environmental Assessment Requirements in the EIS

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Paraphrased Relevant Requirement	Relevant EIS Section(s)
CONSULTATION	
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 or Crown land stakeholders that may be impacted by the development.	1.10
KEY ISSUES	
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.	1.10
NOISE AND BLASTING	
Include a quantitative assessment of potential:	5.3
<ul style="list-style-type: none"> construction and operational noise and off-site transport noise impacts of the development in accordance with the <i>Interim Construction Noise Guideline, NSW Noise Policy for Industry</i> and <i>NSW Road Noise Policy</i> respectively; 	5.3.6
<ul style="list-style-type: none"> reasonable and feasible mitigation measures to minimise noise emissions; and 	5.3.4
<ul style="list-style-type: none"> monitoring and management measures; 	5.3.4 5.3.7
<ul style="list-style-type: none"> a description of the proposed blasting hours, frequency and methods; and 	2.13 5.3.5.1
<ul style="list-style-type: none"> 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; 	5.3.6
AIR QUALITY	
<ul style="list-style-type: none"> Include an assessment of the likely air quality impacts of the development in accordance with the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW. 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; 	5.2
SURFACE WATER	
<ul style="list-style-type: none"> Include 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; 	5.4.3.3
<ul style="list-style-type: none"> Identify any licensing requirements or other approvals required under the Water Act 1912 and/or Water Management Act 2000; 	5.4.2 5.4.3.3
<ul style="list-style-type: none"> Demonstrate 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); 	5.4.3.3
<ul style="list-style-type: none"> Describe the measures proposed to ensure the development can operate in accordance with the requirements of any relevant Water Sharing Plan or water source embargo; 	5.4.2 5.4.3.3
<ul style="list-style-type: none"> Assess any activities that could cause erosion or sedimentation issues, and the proposed measures to prevent or control these impacts; 	5.4.4 5.4.5
<ul style="list-style-type: none"> Assess any likely flooding impacts of the development; 	N/A



Table A3.1 (Cont'd)
Coverage of Secretary's Environmental Assessment Requirements in the EIS

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Paraphrased Relevant Requirement	Relevant EIS Section(s)
SURFACE WATER (Cont'd)	
<ul style="list-style-type: none"> Assess 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 	5.4.5 5.4.6
<ul style="list-style-type: none"> Describe the proposed water management system, water monitoring program and other measures to mitigate surface and groundwater impacts; 	5.4
GROUNDWATER	
<ul style="list-style-type: none"> Include 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; 	5.4.3.3
<ul style="list-style-type: none"> Identify any licensing requirements or other approvals required under the Water Act 1912 and/or Water Management Act 2000; 	5.4.2 5.4.3.3
<ul style="list-style-type: none"> Demonstrate 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); 	5.4.3.3
<ul style="list-style-type: none"> Describe the measures proposed to ensure the development can operate in accordance with the requirements of any relevant Water Sharing Plan or water source embargo; 	5.4.2 5.4.3.3
<ul style="list-style-type: none"> Assess 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 	5.4.5 5.4.6
<ul style="list-style-type: none"> Describe the proposed water management system, water monitoring program and other measures to mitigate surface and groundwater impacts; 	5.4
<ul style="list-style-type: none"> Assess activities that could cause erosion or sedimentation issues, and the proposed measures to prevent or control these impacts; 	5.4.4 5.4.5
BIODIVERSITY	
<ul style="list-style-type: none"> Predict vegetation clearing on site, including the location and amount of clearing and types of communities and species affected; 	5.5.4
<ul style="list-style-type: none"> Assess 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 having regard to OEH advice (see Attachment 2); 	5.5.6
<ul style="list-style-type: none"> Describe the proposed measures to maintain or improve the biodiversity values of the site in the medium to long term, as relevant. 	5.5.5
HERITAGE	
<ul style="list-style-type: none"> Assess the potential impacts on Aboriginal heritage (cultural and archaeological), having regard to OEH advice (see Attachment 2); and 	5.6 5.6.2 5.6.5
<ul style="list-style-type: none"> Identify any 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 5.6.3 5.6.5



Table A3.1 (Cont'd)
Coverage of Secretary's Environmental Assessment Requirements in the EIS

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Paraphrased Relevant Requirement	Relevant EIS Section(s)
TRAFFIC AND TRANSPORT	
<ul style="list-style-type: none"> Predict 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; 	5.1.2
<ul style="list-style-type: none"> Assess 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; 	5.1.2 5.1.4
<ul style="list-style-type: none"> Describe 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; 	5.1.3
<ul style="list-style-type: none"> Include evidence of any consultation with relevant roads authorities, regarding the establishment of agreed contributions towards road upgrades or maintenance; and 	5.1.3
<ul style="list-style-type: none"> Describe access roads to the quarry, specifically in relation to the road corridor crossing Crown Reserve 1149 (Lot 245 DP 751540) and fire trails, having regard to advice received from DoI Crown Lands and RMS (see Attachment 2); 	2.9.1 5.1.2.2
LAND RESOURCES	
<ul style="list-style-type: none"> Identify potential impacts on soils and land capability (including potential erosion and land contamination) and the proposed mitigation, management and remedial measures (as appropriate); 	5.7
<ul style="list-style-type: none"> Identify 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 	5.7.4
<ul style="list-style-type: none"> Assess 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; 	3.4
WASTE	
<ul style="list-style-type: none"> Include 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; 	2.8 2.10
HAZARDS	
<ul style="list-style-type: none"> Include 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; 	5.9
VISUAL	
<ul style="list-style-type: none"> Include 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; 	5.8
SOCIAL AND ECONOMIC	
<ul style="list-style-type: none"> Include 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 	5.10



Table A3.1 (Cont'd)
Coverage of Secretary's Environmental Assessment Requirements in the EIS

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Paraphrased Relevant Requirement	Relevant EIS Section(s)
REHABILITATION	
<ul style="list-style-type: none"> Describe the proposed rehabilitation measures that would be undertaken throughout the development and during quarry closure; 	2.14
<ul style="list-style-type: none"> Include a detailed rehabilitation strategy for the site, including justification for the proposed final landform and consideration of the objectives of any relevant strategic land use plans or policies; and 	2.14
<ul style="list-style-type: none"> Identify 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



The following table incorporates the issues raised by the other State Government Agencies for consideration, where applicable, during the preparation of the Environmental Impact Statement.

Table A3.2
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

Page 1 of 12

Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
GENERAL ISSUES		
Tenterfield Shire Council (23/05/2019)	The EIS should address the following issues: <ul style="list-style-type: none"> • staff • equipment • noise • dust • vibration • lighting • waste management • amenities 	2.12 2.6.5 & 2.7 5.3 5.2 5.3 5.5.6.2 2.8 & 2.10 2.11
	Include an updated Land Ownership and surrounding residences figure and 2 additional residences on Bryans Gap Road.	4.3
DPI – Agriculture (24/05/2019)	Detail that the quarry is consistent with strategic plans and zone requirements	3.4 & 3.5
	Complete a Landuse Conflict Risk Assessment (LUCRA) to identify potential landuse conflict, in particular relating to separation distances and management practices to minimise odour, dust and noise from sensitive receptors. A LUCRA is described in the DPI Land Use Conflict Risk Assessment Guide.	5.7.4
	Include a map to scale showing the above operational and infrastructure details including separation distances from sensitive receptors.	4.3
Division of Resources and Geoscience (22/05/2019)	Include a resource assessment which: <ul style="list-style-type: none"> • Documents the size and quality of the resource and demonstrates that both have been adequately assessed; and • Documents the methods used to assess the resource and its suitability for the intended applications. 	2.4
Environment Protection Authority (22/05/2019)	Address the requirements of Section 45 of the Protection of the Environment Operations Act 1997 (POEO Act) by determining the extent of each impact and providing sufficient information to enable the EPA to determine appropriate conditions, limits and monitoring requirements for the Environment Protection Licence (EPL).	Section 5
	Should project approval be granted, the proponent will need to make an application to the EPA to vary its EPL before undertaking the project.	Noted
Natural Resources Access Regulator (20/05/2019)	Include a statement of where each element of the SEARs is addressed in the EIS in the form of a table.	Appendix 3
	Include details of the proposed overburden storage and treatment.	2.8



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
GENERAL ISSUES (Cont'd)		
Office of Environment & Heritage (27/05/2019)	The Environmental Impact Statement (EIS) should identify the environmental objectives for the proposal and clearly describe the proposal.	2.1
	The objectives of the proposal should be clearly stated and refer to: <ul style="list-style-type: none"> the size and type of the proposal and its operation; all anticipated environment impacts, both direct and indirect, including level of vegetation / habitat clearing the anticipated level of performance in meeting required environmental standards; threatened species, populations, ecological communities and their habitats impacted upon; the staging and timing of the proposal; and the proposal's relationship to any other proposal. 	Section 2 Section 5 Section 5 5.5 2.6.3 N/A
	Identify all of the processes and activities intended for the site and during the life of the proposal, including details of: <ul style="list-style-type: none"> the location of the proposal and details of the surrounding environment; the proposed layout of the site; appropriate land use zoning; ownership details of any residence and/or land likely to be affected by the proposal; maps/diagrams showing the location of residences and properties likely to be affected and other industrial developments, conservation areas, wetlands, etc. in the locality that may be affected by the proposal; all equipment proposed for use at the site; chemicals, including fuel, used on the site and proposed methods for the transportation, storage, use and emergency management; waste generation, storage and disposal; a plan showing the distribution of any threatened flora or fauna species and the vegetation communities on or adjacent to the subject site, and the extent of vegetation proposed to be cleared should be provided; and methods to mitigate any expected environmental impacts of the proposal. 	1.1 & Section 4 2.3 3.5 4.3.1 Section 4 2.6.5 & 2.7 5.9.2 2.8 & 2.10 Appendix 10 Section 5
Office of Environment & Heritage (27/05/2019)	Identify the cumulative impacts, including both construction and operational impacts, of the proponent's existing and proposed development and associated infrastructure (such as access tracks etc.) as well as the cumulative impact of the development in the context of other developments located in the vicinity.	Section 5



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
AIR QUALITY		
Environment Protection Authority (22/05/2019)	Assess and quantify air quality issues including dust generation from the operation on the surrounding landscape and community;	5.2
	Demonstrate the proposal's ability to comply with the relevant regulatory framework, specifically the Protection of the Environment Operations (POEO) Act (1997) and the POEO (Clean Air) Regulation 2002.	Section 5
	Include an air quality impact assessment (AQIA) carried out in accordance with the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (2005),	Section 5 Appendix 7
	Detail emission control techniques and practices that will be employed at the site and identify how the proposed control techniques and practices will meet the requirements of the POEO Act, POEO (Clean Air) Regulation and associated air quality limits or guideline criteria.	5.2.6
ABORIGINAL HERITAGE		
Office of Environment & Heritage (27/05/2019)	The EIS should contain:	
	1. A description of the Aboriginal objects and declared Aboriginal places located within the area of the proposal.	5.6.2
	2. A description of the cultural heritage values, including the significance of the Aboriginal objects and declared Aboriginal places, that exist across the whole area	5.6.2
	3. A description of any consultation with Aboriginal people regarding the proposal and the significance of any Aboriginal cultural heritage values identified through that consultation.	5.6.2.2
	4. The views of those Aboriginal people regarding the likely impact of the proposal on their cultural heritage.	5.6.2.2
	5. A description of the actual or likely harm posed to the Aboriginal objects or declared Aboriginal places from the proposal, with reference to the cultural heritage values identified.	5.6.5
	6. A description of any practical measures that may be taken to protect and conserve those Aboriginal objects or declared Aboriginal places.	5.6.4
DPI – Agriculture (24/05/2019)	Consult with relevant agencies such as on the design, construction and operation of the proposed infrastructure.	1.10
	Consult with the owners / managers of affected and adjoining neighbours and agricultural operations	1.10
	Establish a complaints register that includes reporting and investigating procedures and timelines, and liaison with Council in relation to complaint issues.	1.9 1.10.1 Section 6
CONSULTATION		



Table A3.2 (Cont'd)

Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
BIODIVERSITY		
Tenterfield Shire Council (23/05/2019)	Identify the existing biodiversity offset area.	5.5
	Identify parts of the site mapped on the Native Vegetation Regulatory Map	5.5.2
DPI – Agriculture (24/05/2019)	Include a biosecurity (pests and weeds) risk assessment outlining the likely plant, animal and community risks.	Appendix 10
	Develop a biosecurity response plan to deal with identified risks as well as contingency plans for any failures. Including monitoring and mitigation measures in weed and pest management plans.	Appendix 10
Office of Environment & Heritage (27/05/2019)	Assess the impacts of the proposed development on biodiversity values to determine if the proposed development is "likely to significantly affect threatened species" for the purposes of Section 7.2 of the Biodiversity Conservation Act 2016 (BC Act) as follows:	Section 5 Appendix 10
	A. The EIS must demonstrate whether or not the proposed development is to be carried out in a declared area of outstanding biodiversity value.	
	B. If the proposed development is not carried out in a declared area of outstanding biodiversity value, then the EIS must demonstrate and document how the proposed development exceeds, or does not exceed, the biodiversity offset scheme threshold, as set out in section 7.4 of the BC Act and clause 7.1 of the Biodiversity Conservation Regulation 2017 (BC Regulation) by determining whether the proposed development involves: <ul style="list-style-type: none"> – The clearing of native vegetation of an area declared by clause 7.23 of the BC Regulation as exceeding the threshold , or – The clearing of native vegetation, or other action prescribed by clause 6.1 of the BC Regulation , on land included on the Biodiversity Values Map published under clause 7.3 of the BC Regulation. 	
	C. If the biodiversity offset scheme threshold is not exceeded, then the EIS must document the test for determining whether proposed development is likely to significantly affect threatened species or ecological communities as outlined in Section 7.3 of the BC Act, by preparing an ecological assessment that includes: <ul style="list-style-type: none"> – A field survey of the site conducted and documented in accordance with relevant guidelines. The following information as a minimum: <ol style="list-style-type: none"> a. The requirements set out in the <i>Guidelines for Threatened Species Assessment</i> (Department of Planning, July 2005) b. description and geo-referenced mapping of study area (and spatial data files), e.g. overlays on topographic maps, satellite images and/or aerial photos, including details of map datum, projection and zone, all survey locations, vegetation communities in accordance with the BioNet Vegetation Classification c. A description of survey methodologies used, including timing, location and weather conditions. 	



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
BIODIVERSITY (Cont'd)		
Office of Environment & Heritage (27/05/2019) (Cont'd)	d. Details, including qualifications and experience of all staff undertaking the surveys, mapping and assessment of impacts as part of the EIS.	Section 5 Appendix 10
	e. Identification of national and state listed threatened biota known or likely to occur in the study area and their conservation status.	
	f. A description of the likely impacts of the proposal on biodiversity and wildlife corridors, including direct and indirect and construction and operation impacts. Wherever possible, quantify these impacts such as the amount of each vegetation community or species habitat to be cleared or impacted, or any fragmentation of a wildlife corridor.	
	g. Identification of the avoidance, mitigation and management measures that will be put in place as part of the proposal to avoid or minimise impacts	
	h. A description of the residual impacts of the proposal.	
	If the EIS determines under Section 7.2 of the BC Act as set out in 1 above that the proposed development is likely to significantly affect threatened species, then in accordance with Section 7.7 of the Be Act the EIS must be accompanied by a Biodiversity Development Assessment Report prepared in accordance with Part 6 of the Be Act.	Appendix 10
	Identify likely impacts (both direct and indirect) on any adjoining and/or nearby OEH estate reserved under the National Parks and Wildlife Act 1974.	Appendix 10
	Identify the cumulative impacts, including both construction and operational impacts, from all clearing activities and operations, associated edge effects and other indirect impacts on cultural heritage, biodiversity and OEH Estate.	Section 5 Appendix 10
TRAFFIC AND TRANSPORT		
Tenterfield Shire Council (23/05/2019)	Assess the capacity of the road and safety of Mt Lindesay (especially between Leeches Gully Road and Bryans Gap Rd) and Old Ballandean Road	5.1.2.2
	Assess the capacity of bridges, including large culverts, to cater for increased traffic and the impact of the higher mass vehicles	5.1.2.2
	Assess the safety of intersections such as Boundary Road, Sommerlads Road, Leeches Gully Road and Bryans Gap Road	5.1.2.3
DPI – Agriculture (24/05/2019)	Consider the route for movements so that impacts on sensitive receptors are minimised. This should include consideration of Travelling Stock Reserves1 (TSR) and the movement of livestock or farm vehicles along / across the affected roads	5.1



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
Roads & Maritime Services (22/05/2019)	Include a Traffic Impact Assessment (TIA) be prepared by a suitably qualified person/s in accordance with the Austroads Guide to Traffic Management Part 12, the complementary Roads and Maritime Supplement and RTA Guide to Traffic Generating Developments which includes:	5.1
	• The total impact of existing and proposed development on the road network with consideration for a 10 year horizon.	5.1.2.5
	• The volume and distribution of traffic generated by the proposed development.	5.1.2.6
	• Existing traffic volumes and background traffic growth expected along the proposed haulage routes.	5.1.2.5
	• Identification of impacted intersections along the proposed haulage routes; including the intersections with the New England Highway.	5.1.2.3
	• Consideration of turning lane warrants and identification of appropriate intersection treatments for the identified intersections along the proposed haulage routes, based on Austroads Guide to Traffic Management Part 6 and Austroads Guide to Road Design Part 4A.	5.1.2.3
	• Swept path analysis for the largest design vehicle at identified intersections along the proposed haulage routes, at accesses to the quarry and crushing plant.	N/A
	• Sight distance measurements at identified intersections along the proposed haulage routes.	5.1.2.3
	• Details of proposed improvements required at identified intersections and accesses to mitigate impacts on safety and capacity.	5.1.2.3
	• Impact on public transport (public and school bus routes) and consideration for alternative transport modes such as walking and cycling.	5.1.4.3
	• Impacts of road traffic noise and dust generated along the proposed haulage routes.	5.2 & 5.3
	• Consideration for Clause 16(1) of the Mining SEPP regarding; <ul style="list-style-type: none"> – Impact on school zones and residential areas. – Code of Conduct for haulage operators – Road safety assessment of approved haulage routes 	5.1.4
	• Consideration of an Operation Traffic Management Plan (OTMP).	Appendix 6
	• Consideration of condition 26 Point.1 of Tenterfield Shire Council's development approval dated 26 March 2015 which requires that in order to retain the northern access further consideration of its use and design will need to be demonstrated and approved by Roads and Maritime.	Appendix 6
	Include a targeted Road Safety Audit Where road safety concerns are identified at a specific location along the proposed haulage routes.	Annexure 1 of Appendix 6



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
NOISE AND BLASTING		
Environment Protection Authority (22/05/2019)	Assess and quantify noise and vibration Impacts associated with blasting, and operational noise particularly machinery and plant movements;	5.3
	Assess construction noise associated with the proposed development using the <i>Interim Construction Noise Guideline</i> (DECC, 2009).	N/A
	Assess vibration from all activities (including construction and operation) to be undertaken on the premises using the guidelines contained in the <i>Assessing Vibration: a technical guideline</i> (DEC, 2006).	5.3
	Demonstrate blast impacts are capable of complying with the guidelines contained in <i>Australian and New Zealand Environment Council- Technical basis for guidelines to minimise annoyance due to blasting overpressure and ground vibration</i> (ANZEC, 1990).	5.3.6.3
	Assess operational noise from all industrial activities (including private haul roads and private railway lines) using the guidelines contained in the <i>NSW Noise Policy for Industry</i> (EPA, 2017).	5.3.6.1
	Assess noise on public roads from increased road traffic generated by land use developments using the guidelines contained in the <i>NSW Road Noise Policy</i> and associated application notes (EPA, 2011),	5.4.6.2
VISUAL		
Tenterfield Shire Council (23/05/2019)	Address the visibility of the development from adjoining/adjacent properties – aesthetics	5.8
DPI – Agriculture (24/05/2019)	Assess amenity impacts and any necessary response to mitigate visual impacts.	5.8
ABORIGINAL HERITAGE		
Tenterfield Shire Council (23/05/2019)	Consider Aboriginal and cultural heritage.	5.6
Office of Environment & Heritage (27/05/2019)	Identify the cumulative impacts, including both construction and operational impacts, from all clearing activities and operations, associated edge effects and other indirect impacts on cultural heritage, biodiversity and OEH Estate.	5.5.6
HISTORIC HERITAGE		
Office of Environment & Heritage (27/05/2019)	The EIS should consider the following:	5.6
	<ol style="list-style-type: none"> 1. The heritage significance of the site and any impacts the proposal may have upon this significance should be assessed. This assessment should include natural areas and places of Aboriginal, historic or archaeological significance. It should also include a consideration of wider heritage impacts in the area surrounding the site. 2. The State Heritage Inventory maintained by the Heritage Council and lists maintained by the National Trust, any heritage listed under the Australian Government's Environment Protection and Biodiversity Conservation Act 1999 and the local council 	5.6.2.3



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
HISTORIC HERITAGE (Cont'd)		
Office of Environment & Heritage (27/05/2019) (Cont'd)	3. Non-Aboriginal heritage items within the area affected by the proposal should be identified by field survey. This should include any buildings, works, relics (including relics underwater), gardens, landscapes, views, trees or places of non-Aboriginal heritage significance. A statement of significance and an assessment of the impact of the proposal on the heritage significance of these items should be undertaken. Any policies/measures to conserve their heritage significance should be identified. This assessment should be undertaken in accordance with the guidelines in the NSW Heritage Manual.	5.6.3 5.6.2.4
SURFACE WATER		
Tenterfield Shire Council (23/05/2019)	Consider surface water treatment.	5.4.5
DPI – Agriculture (24/05/2019)	Estimate water demand and water availability and identify the source of water and any sanitisation methods in the application.	5.4.2 5.4.3.3
	Outline any impacts to water use from agriculture and mitigation measures if required.	5.4.5
	Identify the proposed development design, operation and by-product management to be undertaken to avoid nutrient and sediment build up and minimise erosion, off site surface water movement and groundwater accession.	5.4.5
	Detail how design and operation will be undertaken for by-product management in accordance with best practice to prevent excess build-up of nutrients and salts in the soil profile and increase the risk of leaching.	5.4.5 5.4.7
Environment Protection Authority (22/05/2019)	Include a site water balance, and sediment and erosion controls during construction and operational phases.	5.4
	Demonstrate how the proposed development will meet the requirements of section 120 of the PO EO Act.	5.4.5 5.4.6
	Include a water balance for the development including water requirements (quantity, quality and source(s)) and proposed storm and wastewater disposal, including type, volumes, proposed treatment and management methods and re-use options.	5.4
	Demonstrate how the discharge(s) will be managed in terms of water quantity, quality and frequency of discharge and include an impact assessment of the discharge on the receiving environment. This should include:	5.4.5 5.4.6
	<ul style="list-style-type: none"> A description of the proposal including position of any intakes and discharges, volumes, water quality and frequency of all water discharges. A description of the receiving waters including upstream and downstream water quality as well as any other water users. A demonstration that all practical options to avoid discharge have been implemented and environmental impact minimised where discharge is necessary. 	5.4 4.1 5.4.1 5.4.5



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
SURFACE WATER (Cont'd)		
Environment Protection Authority (22/05/2019) (Cont'd)	Refer to Water Quality Objectives for the receiving waters and indicators and associated trigger values or criteria for the identified environmental values of the receiving environment.	5.4
	Describe how stormwater will be managed in all phases of the project, including details of how storm water and runoff will be managed to minimise pollution.	5.4.5
	Describe any water quality monitoring programs to be carried out at the project site.	5.4.7
	Outline contingency plans for any event that may result in environmental harm, such as excessive stockpiling of material, or dirty water volumes exceeding the storage capacity available on-site.	5.4.7
Natural Resources Access Regulator (20/05/2019)	Identify annual volumes of surface water and groundwater proposed to be taken by the activity (including through inflow and seepage) from each surface and groundwater source as defined by the relevant water sharing plan.	5.4.1 5.4.2 5.4.5
	Demonstrate that existing water licences and/or approvals and licensed uses are appropriate, and to identify where additional licences and/or approvals are required.	5.4.3.3
	Identify an adequate and secure water supply for the life of the project and confirm that water can be sourced from an appropriately authorised and reliable supply. This is to include an assessment of the current market depth where water entitlement is required to be purchased.	5.4.3.3
	Identify a detailed and consolidated site water balance.	5.4.3.3
	Include an assessment of impacts on surface and groundwater sources (both quality and quantity), related infrastructure, adjacent licensed water users, basic landholder rights, watercourses, riparian land, and groundwater dependent ecosystems, and measures proposed to reduce and mitigate these impacts.	5.4
	Identify proposed surface and groundwater monitoring activities and methodologies.	5.4.7
	Assess any potential cumulative impacts on water resources, and any proposed options to manage the cumulative impacts.	N/A
	Include a full technical details and data of all surface and groundwater modelling.	N/A
	Include details of licensing requirements under the Water Management Act 2000 or the Water Act 1912.	5.4.3.3



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
SURFACE WATER (Cont'd)		
Office of Environment & Heritage (27/05/2019)	Assess whether the proposal is compatible with the flood hazard of the land.	N/A
	Assess whether the proposal will significantly adversely affect flood behaviour resulting in detrimental increases in the potential flood affectation of other development or properties.	N/A
	Assess whether the proposal will significantly adversely affect the environment or cause avoidable erosion, Siltation, destruction of riparian vegetation or a reduction in the stability of river banks or watercourses.	5.4.6
	Assess whether the proposal incorporates appropriate measures to manage risk to life from flood.	N/A
	Assess whether the proposal is likely to result in unsustainable social and economic costs to the community as a consequence of flooding.	N/A
	Identify the implications of flooding over the full range of potential flooding, including the probable maximum flood.	N/A
	Identify all site drainage, stormwater quality devices and erosion / sedimentation control measures and the onsite treatment of stormwater and effluent runoff and predicted stormwater discharge quality from the proposal.	5.4.5
GROUNDWATER		
DPI – Agriculture (24/05/2019)	Estimate water demand and water availability and identify the source of water and any sanitisation methods in the application.	5.4.2 5.4.3.3
	Outline any impacts to water use from agriculture and mitigation measures if required.	5.4.5
	Identify the proposed development design, operation and by-product management to be undertaken to avoid nutrient and sediment build up and minimise erosion, off site surface water movement and groundwater accession.	5.4.5 5.4.7
Natural Resources Access Regulator (20/05/2019)	Include a detailed assessment against the NSW Aquifer Interference Policy (2012) using DoI Water's assessment framework where groundwater may be intercepted or impacted. Justification is required to support a statement that groundwater is not to be intercepted.	5.1
Natural Resources Access Regulator (20/05/2019)	Identify annual volumes of surface water and groundwater proposed to be taken by the activity (including through inflow and seepage) from each surface and groundwater source as defined by the relevant water sharing plan.	5.4.1 5.4.2 5.4.5
	Demonstrate that existing water licences and/or approvals and licensed uses are appropriate, and to identify where additional licences and/or approvals are required.	5.4.3.3
	Identify an adequate and secure water supply for the life of the project and confirm that water can be sourced from an appropriately authorised and reliable supply. This is to include an assessment of the current market depth where water entitlement is required to be purchased.	5.4.3.3
	Identify a detailed and consolidated site water balance.	5.4.3.3



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
GROUNDWATER (Cont'd)		
Natural Resources Access Regulator (20/05/2019) (Cont'd)	Include an assessment of impacts on surface and groundwater sources (both quality and quantity), related infrastructure, adjacent licensed water users, basic landholder rights, watercourses, riparian land, and groundwater dependent ecosystems, and measures proposed to reduce and mitigate these impacts.	5.4
	Identify proposed surface and groundwater monitoring activities and methodologies.	5.4.7
	Assess any potential cumulative impacts on water resources, and any proposed options to manage the cumulative impacts.	N/A
	Include a full technical details and data of all surface and groundwater modelling.	N/A
	Include details of licensing requirements under the Water Management Act 2000 or the Water Act 1912.	5.4.3.3
LAND RESOURCES		
DPI – Agriculture (24/05/2019)	Describe the current and potential Important Agriculture Land on the proposed development site and surrounding locality including the land capability and agricultural productivity.	5.7
	Demonstrate that all significant impacts on current and potential agricultural developments and resources can be reasonably avoided or adequately mitigated.	5.7
	Consider possible cumulative effects to agricultural enterprises and landholders.	N/A
	Detail the expected life span of the proposed development	1.5
HAZARDS		
DPI – Agriculture (24/05/2019)	Identify the risk assessment level and mitigation plan developed to address bush fire risk.	5.9.3
	Outline procedures and responsibilities for responding to bushfire threats	5.9.3.4
	Demonstrate that appropriate spill containment will be provided for storage, filling and loading of all fuels and other chemicals to be used on site, in accordance with the relevant Australian Standard.	5.9.2
NSW Rural Fire Service (30/05/2019)	Identify whether the land is mapped bush fire prone land by Council. If yes, the EIS shall provide a bush fire assessment that address the follow matters <ul style="list-style-type: none"> the aim and objectives of 'Planning for Bush Fire Protection 2006'; identification of potential ignition sources during construction and operation of the development; storage of fuels and other hazardous materials (e.g. explosives for blasting); proposed bush fire protection measures for the development, including vegetation management and fire suppression capabilities; operational access to the site for fire fighting appliances; and emergency and evacuation planning. 	5.9.3



Table A3.2 (Cont'd)
Coverage of Issues Identified by Other Government Agencies for Consideration in the EIS

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Agency / Organisation	Paraphrased Relevant Requirement	Relevant EIS Section(s)
REHABILITATION		
DPI – Agriculture (24/05/2019)	Develop Rehabilitation and Decommissioning/Closure Plans that describes the design criteria of the final landuse and landform along with the expected timeline for the rehabilitation program.	2.14
	Outline monitoring and mitigation measures to be adopted for rehabilitation remedial actions.	2.14
Natural Resources Access Regulator (20/05/2019)	Include details of the final landform of the site, including final void management (where relevant) and rehabilitation measures.	2.14
WASTE		
Environment Protection Authority (22/05/2019)	Consider the disposal options for general waste, sanitary waste as well as hazardous materials and radiation, where relevant.	2.10
	Assess all aspects of waste generation, management and disposal associated with the proposed development.	2.8 2.10
	Demonstrate compliance with all regulatory requirements outlined in the POEO Act and associated waste regulations.	2.8 2.10
	Identify, characterise and classify the following in accordance with the EPA's Waste Classification Guidelines (2014) and associated addendums:	
	(i) all waste that will be generated onsite through excavation , demolition or construction activities, including proposed quantities of the waste;	2.8
	(ii) all waste that is proposed to be disposed of to an offsite location, including proposed quantities of the waste and the disposal locations for the waste. This includes waste that is intended for re-use or recycling.	2.10
	Outline relevant resource recovery orders or exemptions for any proposed reuse or recycling of waste material.	N/A



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