Appendix 3

Coverage of Director-General's Requirements and Requirements of Consulted Government Agencies

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Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
	GENERAL	
Department of Planning (DoP)	Insert an executive summary in the *Environmental Assessment.*	Executive Summary
	Provide a detailed description of the Project including: • need for the Project; • Alternatives considered, including justification of or the proposed mine plan; and • Various stages of the Project.	1.5, 6.4 2.3, 2.13, 6.2 2.5.2
	Conduct a risk assessment of the potential environmental impacts of the Project identifying the key issues for further assessment.	3.3
	Provide a detailed assessment of all key issues and any other significant issues identified in the risk assessment.	4B
	Provide a description of the existing environment using sufficient baseline data.	4A, 4B
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B
	Provide a statement of commitments, outlining all the proposed environmental management and monitoring measures for the Project.	5
	Provide a conclusion justifying the Project on economic, social and environmental grounds, taking into consideration whether the Project is consistent with the objects of the *Environmental Planning & Assessment Act 1979.*	6.2, 6.3, 6.4
	Provide a statement from the author of the *Environmental Assessment* certifying that the information contained within the document is neither false nor misleading.	Pg iii
	Ensure consultation with the relevant Local, State or Commonwealth Government Authorities, service providers, community groups and affected landowners is conducted for the Project.	3.2.2
	Ensure consultation occurs with: • Department of Environment, Climate Change and Water, including the NSW Office of Water; • Industry and Investment NSW; • Department of Transport and infrastructure; • Lithgow City Council; and • Relevant Catchment Management Authorities.	3.2.2

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
	GENERAL cont'd	
Department of Planning (DoP)	Describe the consultation process for the Project and the issues raised in the *Environmental Assessment*.	3.2.2, 3.2.3
	Consider the following documentation in the *Environmental Assessment*: • AS/NZS 4360:2004 Risk Management (Standards Australia). • HB 2003:203:2006 Environmental Risk Management – Principles and Process (Standards Australia). • 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.	3.2.3, 3.3, Appendix 4
	Assess all hazards associated with the Project including bushfires.	4B.14, Appendix 4
Industry and Infrastructure NSW (I & I NSW)	Provide a detailed reserve/resource statement and comprehensive geological report for the Project.	2.2
	Discuss the use of timber to be removed from the Ben Bullen State Forest as part of the Project.	2.5.3, 4B.4.4
	Describe the new compensation agreement and/or access agreement to be entered into with commercial terms permitting the long term access for the current mining operations within Ben Bullen State Forest.	2.1.4
	Describe the proposed bushfire management strategy for the Project.	4B.14
	Provide details of the location of all waterway crossings to be constructed, including any access tracks, timetable for construction and details of various stages of construction.	Not Applicable
	Provide details of any bridge and culvert construction designs for each waterway crossing. Refer to the Department's Policy and *Guidelines for Fish Friendly Waterway Crossings (2004)* and *Why do Fish need to Cross the Road?*	Not Applicable
Sydney Catchment Authority (SCA)	Provide details on the storage and use of explosives and fuel for the Project.	2.4.2.2
Department of Environment, Climate Change and Water (DECCW)	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	2.11, 4B
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented for the Project.	4B, 6.2.1

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
GENERAL cont'd		
Department of Environment, Climate Change and Water (DECCW)	Consider, where applicable, the following guidelines in the assessment; • Planning for Bushfire Protection: A Guide for Councils, Planners, Fire Authorities, Developers and Home Owners (December 2001)	4B.14.2
FAUNA		
Department of Planning (DoP)	Provide a description of the existing environment relating to fauna for the Project using sufficient baseline data.	4B.4.3
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.4.5
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.4.4
	Conduct a detailed assessment of potential impacts of the Project on terrestrial or aquatic threatened species, populations, ecological communities or their habitats.	4B.4.3.2
	Provide a detailed description of the measures that would be implemented to avoid or mitigate the Project's impacts on biodiversity.	4B.4.4
	Discuss the development of an offset strategy to ensure the Project maintains or improves the biodiversity values of the region in the medium to long term (in accordance with NSW and Commonwealth policies).	4B.4.4
	Consider the following documentation in the assessment: • Draft Guidelines for Threatened Species Assessment under Part 3A of the *Environmental Planning and Assessment Act 1979* (EP&A Act) (DEC). • Policy & Guidelines – Aquatic Habitat Management and Fish Conservation (NSW Fisheries). • Policy Guidelines – Fish friendly Waterway Crossings (NSW Fisheries). • State Environmental Planning Policy No. 44 – Koala Habitat Protection. •	SCSC Part 5
Department of Environment, Climate Change and Water (DECCW)	Address the potential impacts of the Project on threatened species, flora, fauna and endangered ecological communities and their habitats (and a suitable offsets package).	4B.4.4, 4B.4.5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
	FAUNA cont'd	
Department of Environment, Climate Change and Water (DECCW)	Address (recommended) the data requirements of the Biometric and Threatened Species tool methodology as one means of determining a maintain or improve outcome for a biodiversity offset for the Project.	Not Implemented
	Assess, quantify and report on threatened species, populations, communities and their habitats within the Project area in accordance with relevant guidelines.	4B.4.3
	Conduct a field survey of the Project area and document the survey in accordance with the *Draft Guidelines for Threatened Species Assessment.*	4B.4.2, 4B.4.3
	Assess, evaluate and report on the likely impacts from the Project on threatened species and their habitat. Specifically report on the considerations listed in Step 3 of the draft guidelines.	4B.4.5
	Describe the actions that will be taken to avoid impacts, or to mitigate unavoidable impacts of the Project on threatened species and their habitat. Include an assessment of the effectiveness and reliability of the measures and any residual impacts after these measures are implemented.	4B.4.5, 4B.4.6
	Where measures to avoid or mitigate impacts on threatened species and their habitat are not possible, describe what offset strategies need to be considered for the Project.	4B.4.4
	State whether the *Environmental Assessment* meets each of the key thresholds set out in Step 5 of the draft guidelines.	4B.4.6, SCSC Part 5
	Include an offset strategy for the Project that addresses DECCW's data collection requirements.	4B.4.4
	Describe mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.4.4
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented for the Project.	4B.4.5
	Consider, where applicable, the following guidelines in the *Environmental Assessment*; • Threatened Biodiversity Survey and Assessment: Guidelines for Development and Activities' (Nov 2004)	4B.4.2, SCSC Part 5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
FAUNA cont'd		
Industry and Infrastructure NSW (I & I NSW)	Describe the potential impacts from the Project on the aquatic ecology within the Neubecks Creek Catchment and describe the controls to be established.	4B.4.3.3
	Provide a recent aerial photograph of the locality of the Project.	Figure 1.3
	Identify the area which may be affected either directly or indirectly by the Project on an appropriately scaled map (and aerial photographs).	Figures 1.3, 2.1
	Identify all waterways within the Project area.	4B.2.2
	Discuss the extent of aquatic habitat removal or modification which may result from the Project.	4B.4.3.3
	Describe the aspects of the management of the Project which relate to impact minimisation of aquatic fauna and site rehabilitation.	2.12, 4B.4.4
	Describe the potential impacts on the aquatic ecology associated with the Project within the Neubecks Creek catchment and describe the controls to be established to mitigate these potential impacts.	4B.2.5
	If the *Environmental Assessment* indicates there may be a loss of aquatic or riparian habitats, describe the compensatory aquatic habitat offsets elsewhere in the catchment on other aquatic rehabilitation projects to be implemented to offset the impact. The compensatory habitat should be in accordance with the Department's *Policy and Guidelines Aquatic Habitat Management and Fish Conservation 1999*.	Not Applicable
FLORA		
Department of Planning (DoP)	Provide a description of the existing environment relating to flora for the Project using sufficient baseline data.	4B.3.3
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.3.5
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.3.6
	Provide an accurate estimate of any Project related vegetation clearing.	4B.3.6
	Conduct a detailed assessment of potential impacts from the Project on terrestrial or aquatic threatened species, populations, ecological communities or their habitats.	4B.3.5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
FLORA cont'd		
Department of Planning (DoP)	Provide a detailed description of the measures that would be implemented to avoid or mitigate impacts on biodiversity.	4B.3.6
	Discuss the development of an offset strategy to ensure the Project maintains or improves the biodiversity values of the region in the medium to long term (in accordance with NSW and Commonwealth policies).	4B.3.6
	Consider the following documentation in the assessment: • Draft Guidelines for Threatened Species Assessment under Part 3A of the *Environmental Planning and Assessment Act 1979* (EP&A Act) (DEC). • State Environmental Planning Policy No. 44 – Koala Habitat Protection.	SCSC Part 4
Department of Environment, Climate Change and Water (DECCW)	Address the potential impacts of the Project on threatened species, flora, fauna and endangered ecological communities and their habitats (and a suitable offsets package).	4B.3.5
	Address the potential impact on native vegetation from the Project (and a suitable offsets package).	4B.3.5
	Demonstrate how an 'improve or maintain' outcome for the Project may be met using methodology that: • assesses the impacts of the Project upon threatened species and biodiversity; • determines offset requirements for the Project; and • identifies high conservation value areas.	4B.4.5
	Address (recommended) the data requirements of the Biometric and Threatened Species tool methodology as one means of determining a maintain or improve outcome for a biodiversity offset for the Project.	Not Implemented
	Assess quantity and report on threatened species, populations, communities and their habitats within the Project area in accordance with relevant guidelines.	4B.3.3
	Conduct a field survey of the Project area and document the survey in accordance with the *Draft Guidelines for Threatened Species Assessment.*	4B.3.3
	Assess, quantify and report on native vegetation within the Project area in accordance with relevant guidelines.	4B.3.5
	Assess evaluate and report on the likely impacts from the Project on threatened species and their habitat. Specifically report on the considerations listed in Step 3 of the draft guidelines.	4B.3.5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
FLORA cont'd		
Department of Environment, Climate Change and Water (DECCW)	State whether the *Environmental Assessment* meets each of the key thresholds set out in Step 5 of the draft guidelines.	4B.3.5
	Include an offset strategy for the Project that addresses DECCW's data collection requirements.	4B.3.6
	Describe how many hectares of native vegetation that will have to be cleared as part of the Project.	4B.4.6
	Describe the full floristics of the vegetation types within the Project area that will need to be cleared.	4B.3.3
	Provide a description and map of the dominate vegetation types within the Project area. Ensure the vegetation types mapped are assigned to corresponding vegetation types included in the biometric tool vegetation database.	4B.3.3
	Evaluate the extent of native vegetation on the Project site which may be remnant vegetation, protection re-growth or non-protected re-growth as defined by the *Native Vegetation Act 2003.*	4B.3.3
	Discuss general requirements of the *Native Vegetation Act 2003*, with regards to the Project especially in relation to Vulnerable Land.	Not Applicable (Exempt under NV Act S25)
	Describe mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.3.6
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	4B.3.6, 6.2.1
	Consider, where applicable, the following guidelines in the Environmental Assessment; • Threatened Biodiversity Survey and Assessment: Guidelines for Development and Activities' (Nov 2004) http://www3.environment.nsw.gov.au/pdfs/tbsa_guidelines_draft.pdf • Planning for Bushfire Protection: A Guide for Councils, Planners, Fire Authorities, Developers and Home Owners (December 2001)	SCSC Part 4
Industry and Infrastructure NSW (I & I NSW)	Describe the potential impacts from the Project on the aquatic ecology within the Neubecks Creek Catchment and describe the controls to be established.	Not Applicable
	Provide a recent aerial photograph of the locality of the Project.	Figure 1.3

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
FLORA cont'd		
Industry and Infrastructure NSW (I & I NSW)	Identify the area which may be affected either directly or indirectly by the Project on an appropriately scaled map (and aerial photographs).	Figures 1.3 and 2.1
	Describe and map all aquatic and riparian vegetation within the Project Area and surrounding areas.	Not Applicable
	Discuss the extent of aquatic habitat removal or modification which may result from the Project.	Not Applicable
	Describe how terrestrial buffer zones as outlined in the *Policy and Guidelines Aquatic Habitat Management and Fish Conservation 1999* will be established and maintained for the Project with their natural features and vegetation preserved.	Not Applicable
	If the *Environmental Assessment* indicates there may be a loss of aquatic or riparian habitats, describe the compensatory aquatic habitat offsets elsewhere in the catchment on other aquatic rehabilitation projects to be implemented to offset the impact. The compensatory habitat should be in accordance with the Department's *Policy and Guidelines Aquatic Habitat Management and Fish Conservation 1999*.	Not Applicable
	Address the potential impact of the Project on native vegetation.	4B.3.5
	Describe the proposed bushfire management strategy for the Project.	4B.14
SURFACE WATER		
Department of Planning (DoP)	Provide a description of the existing surface water environment for the Project using sufficient baseline data.	4B.2.2
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.2.4
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.2.5
	Conduct modelling of potential surface water impacts associated with the Project.	4B.1.6
	Provide a revised site water balance for the Project.	4B.1.6
	Conduct an assessment of potential impacts from the Project on the quality and quantity of existing surface water resources.	4B.2.4
	Provide a description of the Project's water management system and water monitoring program and other measures to mitigate surface water impacts from the Project.	2.5.9, 4B.2.5, 4B.2.8

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
SURFACE WATER cont'd		
Department of Planning (DoP)	Consider the following documentation in the assessment: • 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). • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management (ANZECC/ARMCANZ). • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ANZECC/ARMCANZ). • Using the ANZECC Guidelines and Water Quality Objectives in NSW (DEC). • State Water Management Outcomes Plan. • NSW Government Water quality and River Flow Objectives (DECC). • Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (DEC). • Managing Urban Stormwater: Soils and Construction (Landcom). • Managing Urban Stormwater: Treatment Techniques (DECC). • Managing Urban Stormwater: Source Control (DECC) • A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH). • Technical Guidelines: Bunding and Spill Management (DECC). • Environmental Guidelines: Use of Effluent by Irrigation (DECC).	SCSC Part 2
Department of Environment, Climate Change and Water (DECCW)	Address the potential to impact from the Project upon the Upper Coxs River catchment.	4B.2.7
	Assess, quantify and report on water quantity and quality relating to the Project in accordance with the relevant guidelines.	4B.2.7
	Describe mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.2.5
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	4B.2.7, 6.2.1

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
	SURFACE WATER cont'd	
Department of Environment, Climate Change and Water (DECCW)	Discuss how to achieve no pollution of waters (including surface and groundwater) associated with the Project.	4B.2.5
	Discuss how polluted water from the Project will be captured (including process waters, wash down waters or polluted stormwater) on the project site and either treated prior to disposal or beneficially reused on site, where this is safe and practicable to do so.	4B.2.5
	Assess the Project in relation to relevant NSW water quality objectives as defined in the individual catchment action plans and against ANZECC 2000 water quality criteria.	4B.2.7
	Document the measures that will achieve NSW water quality objective outcomes in both the construction and operational phases of the Project.	4B.2.5
	Demonstrate how best practice sediment erosion control and management in accordance with the reference document Managing Urban Stormwater: Soils and Construction (NSW Landcom 2004), construction activities will be achieved for the Project.	4B.2.5
	Identify the potential impacts the Project may have on the Coxs River catchment and the management/mitigation measures that will be implemented where works are conducted in the vicinity to all creeks and rivers.	4B.2.5, 4B.2.7
	Address the proposed spill management infrastructure and procedures for the Project to address any spills of wastes, chemicals, effluent and hydrocarbon products utilised or generated, particularly in areas adjacent to waterways and notably in the vicinity of Neubecks Creek.	4B.2.5.3, 4B.1.4
	Consider, where applicable, the following guidelines as part of the *Environmental Assessment*; **Water Quality** • National Water Quality management Strategy: Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZECC 2000) • NWQMS Australian Guidelines for Water Quality Monitoring and Reporting (ANZECC 2000).	SCSC Part 2
	Waste Water • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management (ARMCANZ/ANZECC 2997) • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ARMCANZ/ANZECC 2000) • Environmental Guidelines for the Utilisation of Treated Effluent by Irrigation (NSW DEC 2004).	SCSC Part 2

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
SURFACE WATER cont'd		
Department of Environment, Climate Change and Water (DECCW)	**Stormwater** • Managing Urban Stormwater: Soils and Construction (Landcom 2004) • Managing Urban Stormwater: Source Control (EPA 1998) • Managing Urban Stormwater: Treatment Techniques (EPA 1998)	SCSC Part 2
Sydney Catchment Authority (SCA)	Establish appropriate surface water assessment criteria for the Project based on the *"Drinking Water Catchments Regional Environmental Plan No.1".*	3.2.3.3, 4B.2.4
	Describe whether the Project will have a 'neutral or beneficial effect on water quality taking into consideration *Drinking Water Catchments Regional Environmental Plan No.1,* the water quality objectives detailed in the plan and relevant studies and plans.	4B.2.5.3
	Describe the Project's site catchment characteristics including location of creeks, watercourses and drainage patterns within the Project area and its surrounds.	4B.2.2
	Describe the water quality of the groundwater stored within the old Wallerawang underground workings.	4B.1.2
	Describe the water quality within Neubecks Creek.	4B.2.2
	Identify the likely water pollutants of concern associated with the Project including heavy metals during construction, operation and decommissioning stages of the Project.	4B.2.4.1
	Identify and assess the potential impacts on water quantity and quality (surface and groundwater) during construction, operation and decommissioning stages of the Project, including; • the impacts of the transfer of meteoric water and groundwater stored within the old Wallerawang underground workings and the surrounding aquifers to Delta Electricity and/or the Coxs River and its tributaries on water quantity and quality of Neubecks Creek and Coxs River.	4B.2.4, 4B.2.7
	Describe the potential changes to drainage patterns and associated impacts on water flows and quality of Neubecks Creek associated with the Project.	4B.2.7
	Describe the on-ground water quality protection measures for surface water during construction, operation and decommissioning stages of the Project along with the performance criteria for each measure and assess whether the water quality measures are sustainable for the period for which they are expected to be in place. The on-ground protection measures and management practices considered should be based on SCA endorsed *Current Recommended Practices (CRPs) and Standards*.	4B.2.4, 4B.2.5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
SURFACE WATER cont'd		
Sydney Catchment Authority (SCA)	For each identified pollutant of concern assess the post-activity condition in relation to the pre-activity conditions in terms of load and concentration for both wet and dry weather conditions. Use of the stormwater modelling software package MUSIC in the assessment.	4B.2.7.1
	Discuss whether a neutral or beneficial effect on water quality of receiving waters of the Project will occur during construction, operation and decommissioning stages of the Project.	4B.2.7.5
	Provide details and describe how waste waters will be managed associated with construction and operation of the Project, general stormwater runoff, and site office and buildings including the crushing plant and amenity bund.	4B.2.5
	Describe the separation of clean and dirty water systems and management of surface water flows into and out of the Project site including the optimisation of recycling and minimising offsite impacts on receiving waters.	4B.2.5.2, 4B.2.5.3
	Describe how critical structures such as Water Quality Control Ponds (WQCPs) and sedimentation basins would be designed, constructed and maintained for the Project. These details should be consistent with the requirements of the NSW Department of Environment & Climate Change (2008) *Managing Urban Stormwater Soils and Construction Volume 2E – Mines and Quarries*.	2.4.6
	Provide a conceptual operational and environmental surface water management plan for the Project.	SCSC Part 2 – Section 9
	Describe the proposed treatment of groundwater within the old Wallerawang underground workings, treated water quality and intended use.	4B.2.5.3
	Assess the quality of surface water in Neubecks Creek, upstream and downstream of the Project site, outside mining activities.	4B.2.2
	Describe the mechanisms to be used to discharge water from the sediment retention dam to Neubecks creek via the existing discharge point.	2.5.9
Industry and Infrastructure NSW (I & I NSW)	Provide a recent aerial photograph of the locality of the Project.	Figure 1.3
	Identify the area which may be affected either directly or indirectly by the Project on an appropriately scaled map (and aerial photographs).	Figure 1.3 and 2.1
	Describe the proposed monitoring program for water quality adjacent to highly sensitive waters particularly in the Coxs' River and associated tributaries for the Project.	4B.2.8
	Provide details on sediment and erosion controls to be implemented to ensure there is no net increase in sediment/nutrient loads entering waterways as a result of the Project.	4B.2.5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
SURFACE WATER cont'd		
NSW Office of Water (NOW)	Ensure the following NSW Government policies, are used in the assessment: • NSW Groundwater Policy Framework Document – General. • NSW Groundwater Quantity Management Policy. • NSW Groundwater Quality Protection Policy. • NSW State Rivers and Estuaries Policy. • NSW Wetlands Management Policy. • NSW Farm Dams Policy.	SCSC Part 2
	Provide adequate details to assess the impact of the Project on surface water resources.	4B.2.5
	Provide details on any existing surface water licences under the Water Act 1912 on the Project Site.	Not Applicable
	Discuss the purpose of any existing surface water licences.	Not Applicable
	Identify the source(s) of a sustainable water supply for the Project.	2.4.2.4
	Identify and discuss any proposed surface water extraction for the Project, including purpose, location of any existing and proposed pumps, dams.	2.4.2.4, 2.5.9, Figure 2.4
	Discuss the volumes of water to be used for the Project.	2.4.2.4
	Describe the function and location of all existing and proposed storages/ponds within the Project area.	2.4.6, 4B.2.3
	Illustrate and discuss the design, layout, pumping and storage capacities, all associated earthworks and infrastructure works associated with the Project.	2.4.6, 4B.2.5
	Provide details on how it is proposed to transfer water from the underground workings to Delta Electricity.	Not Applicable
	Identify what waterways that are tributaries of Neubecks Creek will be removed as part of the Project.	4B.2.2.2
	Discuss how existing drainage lines would be recreated as part of the final landform for the Project.	4B.2.5.4
	Show the location of any waterways in the final landform that are proposed to be restored as part of the Project.	Figure 4B.13
	Demonstrate how considerations for protecting and enhancing waterways and riparian lands that are embodied in natural resource policy documents are included as part of the Project.	4B.2.5
	Provide details on any existing water management structure/s (date of construction, location, purpose, size and capacity, the legal status/approval for existing structure/s) within the Project area.	4B.2.3

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
SURFACE WATER cont'd		
NSW Office of Water (NOW)	Provide details on any proposal to change the purpose of existing structure/s for the Project.	2.4.6, 4B.2.5
	Discuss and provide details if any remedial work that is required to maintain the integrity of existing water management structure/s for the Project.	4B.2.5
	Discuss the purpose, location and design specifications for any proposed water management structure/s for the Project.	2.4.6, 4B.2.5
	Provide details on the size and storage capacity of any proposed water management structure/s for the Project.	2.4.6
	Calculate the Maximum Harvestable Right Dam Capacity (MHRDC) for any proposed water management structure/s for the Project.	SCSC Part 2 – Section 6. 7
	Evaluate if the proposed water management structure/s will be affected by flood flows.	SCSC Part 2 – Section 4.6.4
	Provide details on any proposal for shared use, rights and entitlement of the water management structure/s for the Project.	Not Applicable
	Discuss if the Project has the potential to bisect and water management structure/s.	4B.2.5
	Show the location and estimated capacity of every dam within the Project site.	2.4.6, Figure 2.4
	Provide details on the waterways and riparian land which may be adversely impacted by the Project.	4B.2.7
	Provide details on the safeguard measures to mitigate impacts on the waterways and riparian land (waterways to be rehabilitated at the site are to mimic stable, natural functioning systems) which may be impacted by the Project.	4B.2.5
	Provide details on how any riparian land to be rehabilitated at the site will be in accordance with Category 2 outcomes (measured from top of bank).	4B.2.5.4
	Discuss how any riparian land that is to become vegetated, will use fully structured local native vegetation (trees, shrubs and groundcover species) at a density that would occur naturally.	Not Applicable
	Demonstrate how any existing or proposed disturbance of Neubecks Creek on the Project site will be rehabilitated to emulate a naturalised system with a Category 2 riparian corridor.	Not Applicable

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
GROUNDWATER		
Department of Planning (DoP)	Provide a description of the existing groundwater environment for the Project using sufficient baseline data.	4B.1.2
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.1.3, 4B.1.6
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.1.4, 4B.1.7
	Conduct modelling of potential groundwater impacts associated with the Project.	4B.1.5
	Conduct an assessment of potential impacts from the Project on the quality and quantity of existing groundwater resources.	4B.1.6
	Conduct an assessment on the potential impacts from the Project on groundwater dependent ecosystems.	4B.1.6.8
	Provide a description of the mine's water management system and water monitoring program and other measures to mitigate groundwater impacts.	4B.1.4, 4B.1.7
	Consider the following documentation in the assessment: • National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC). • NSW State Groundwater Policy Framework Document (DLWC, 1997). • NSW State Groundwater Quality Protection Policy (DLWC, 1998). • NSW State Groundwater Quantity Management Policy (DLWC, 1998). • Guidelines for the Assessment and Management of Groundwater contamination (DECC, 2007). • *Water Sharing Plan for the Hunter Unregulated and alluvial Water Sources 2009.* • NSW State Groundwater Dependent Ecosystem Policy (DLWC).	SCSC Part 1
Department of Environment, Climate Change and Water (DECCW)	Assess the potential impact of treating and disposing of groundwater within old mine workings.	4B.1.6.2
	Assess, quantify and report on water quantity and quality associated with the Project in accordance with the relevant guidelines.	4B.1.6
	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.1.4

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
GROUNDWATER cont'd		
Department of Environment, Climate Change and Water (DECCW)	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	4B.1.7, 6.2.1
	Discuss how to achieve no pollution of waters associated with the Project (including surface and groundwater) associated with the Project.	4B.1.4
	Assess the Project in relation to relevant NSW water quality objectives as defined in the individual catchment action plans and against ANZECC 2000 water quality criteria.	4B.1.2.6
	Consider, where applicable the following guidelines in the assessment; • State Groundwater Policy Framework Document (DLWC 1997) • The NSW State Groundwater Quality Protection Policy (DLWC 1998) • (Draft) NSW State Groundwater Quantity Management Policy • NSW State Groundwater Dependent Ecosystems Policy (DLWC 2002) • National Water Quality management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ & ANZECC 1995).	SCSC Part 1
Sydney Catchment Authority (SCA)	Establish appropriate groundwater assessment criteria for the Project based on the *"Drinking Water Catchments Regional Environmental Plan No.1".*	4B.1.6.6
	Describe the existing groundwater sources and water quality associated with the Project including groundwater stored within the old Wallerawang underground workings and the surrounding aquifers, groundwater flow direction and the potential of interference of groundwater with surface water.	4B.1.2
	Describe the proposed treatment of groundwater within the old Wallerawang underground workings, treated water quality and intended use.	4B.1.6.2
	Identify and assess the potential impacts on water quantity and quality (surface and groundwater) during construction, operation and decommissioning stages of the Project, including; • the impacts of dewatering and transfer of meteoric water and groundwater stored within the old Wallerawang underground workings and the surrounding aquifers to Delta Electricity and/or the Coxs River and its tributaries on water quantity and quality of Neubecks Creek and Coxs River and the potential impacts on ground water levels and flow direction within and adjacent areas.	4B.1.6

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
GROUNDWATER cont'd		
Sydney Catchment Authority (SCA)	Describe the on-ground water quality protection measures for groundwater during construction, operation and decommissioning stages of the Project along with the performance criteria for each measure and assess whether the water quality measures are sustainable for the period for which they are expected to be in place. The on-ground protection measures and management practices considered should be based on SCA endorsed *Current Recommended Practices (CRPs) and Standards*.	4B.1.4
	Discuss whether a neutral or beneficial effect on water quality of receiving waters (surface and groundwater) will occur during construction, operation and decommissioning stages of the Project.	4B.1.6
	Provide a conceptual operational and environmental surface and ground water management plan for the Project.	SCSC Part 1
	Assess the quality of groundwater both upstream and downstream of the Project site, outside mining activities.	4B.1.2
NSW Office of Water (NOW)	Ensure the following NSW government policies are used in the assessment: • NSW Groundwater Policy Framework Document – General. • NSW Groundwater Quantity Management Policy. • NSW Groundwater Quality Protection Policy. • NSW Groundwater Dependent Ecosystem Policy. • NSW State Rivers and Estuaries Policy. • NSW Wetlands Management Policy. • NSW Farm Dams Policy.	SCSC Part 1
	Provide adequate details to assess the impact of the Project on groundwater resources.	4B.1.6
	Provide details on any existing groundwater licences under the Water Act 1912 within the Project Site.	1.6.1
	Discuss the purpose of any existing groundwater licences.	1.6.1
	Demonstrate how groundwater resources associated with the Project will be protected in accordance with NSW State groundwater policy.	4B.1.6
	Identify groundwater issues and potential degradation to the groundwater source for the Project.	4B.1.3
	Detail the predicted highest groundwater table within the Project site.	4B.1.2.4
	Discuss any works associated with the Project likely to intercept, connect with or infiltrate the groundwater sources.	4B.1.3
	Detail any proposed groundwater extraction associated with the Project, including purpose, location and construction details of all proposed bores and expected annual extraction volumes.	2.4.5

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
GROUNDWATER cont'd		
NSW Office of Water (NOW)	Provide a description of the flow directions and rates and physical and chemical characteristics of any groundwater source within or associated with the Project site.	4B.1.2
	Detail the predicted impacts of any final landform on the groundwater regime.	4B.1.6.7
	Describe the existing groundwater users within the area (including the environment), any potential impacts from the Project on these users and safeguard measures to mitigate impacts.	4B.1.2, 4B.1.3, 4B.1.6
	Provide an assessment of the quality of the groundwater for the local groundwater catchment.	4B.1.2
	Provide an assessment of groundwater contamination (considering both the impacts of the Project on groundwater contamination and the impacts of contamination on the Project).	4B.1.6
	Discuss how the Project will not potentially diminish the current quality of groundwater, both in the short and long term.	4B.1.7
	Detail measures for preventing groundwater pollution from the Project so that remediation is not required.	4B.1.4, 4B.1.7
	Detail protective measures for any groundwater dependent ecosystems (GDEs) associated with the Project.	Not Applicable
	Provide the results of any models or predictive tools used to assess impacts to groundwater and/or users associated with the Project.	4B.1.5
	Where potential groundwater impact/s associated with the Project are identified, identify limits to the level of impact and contingency measures that would remediate, reduce or manage potential impacts to the existing groundwater resource and any dependent groundwater environment or water users.	4B.1.7
	Discuss any proposed groundwater monitoring programs, including water levels and quality data.	4B.1.7
	Provide details on reporting procedures for any groundwater monitoring program including the mechanism for transfer of information.	4B.1.7
	Conduct an assessment of any groundwater source/aquifer that may be sterilised from future use as a water supply as a consequence of the Project.	SCSC Part 1

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
GROUNDWATER cont'd		
NSW Office of Water (NOW)	Identify any nominal thresholds for the level of impact beyond which remedial measures or contingency plans would be initiated (this may entail water level triggers or a beneficial use category) and Provide a description of the remedial measures or contingency plans proposed.	4B.1.7
	Describe any funding assurances covering the anticipated post development maintenance cost, for example on-going groundwater monitoring for the nominated period.	4B.1.7
	Discuss the need for a water license under Part 5 of the Water Act 1912 if the Project is likely to intercept or use groundwater.	2.1.4
	Identify all proposed groundwater works, including bores for the purpose of investigation, extraction, dewatering, testing, or monitoring for the Project.	SCSC Part 1
	Address the potential impact of the Project on Groundwater Dependent Ecosystems (GDEs).	4B.1.6.8
	Discuss the presence and distribution of Groundwater Dependent Ecosystems (GDEs) in the vicinity of the Project site.	4B.1.6.8
	Discuss the impact of ground disturbance due to subsidence and vibration from the Project (including river and creek cracking) and changes in hydrology due to subsidence on GDEs.	4B.1.6
	Discuss the potential impact from the Project of depressurisation of the local groundwater field on local wetlands.	4B.1.6.8
NOISE AND VIBRATION		
Department of Planning (DoP)	Provide a description of the existing noise and vibration environment for the Project using sufficient baseline data.	4B.7.2
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.7.5, 4B.8.6
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.7.4, 4B.7.5, 4B.8.4
	Conduct a quantitative assessment of potential operational, blasting and transport noise impacts.	4B.7.5, 4B.7.5.5, 4B.8.6

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
NOISE AND VIBRATION cont'd		
Department of Planning (DoP)	Consider the following documentation in the assessment: • ANZECC Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration. • Assessing Vibration – A Technical Guide 2006 (DEC). • Din 4150 part 3 – Structural Vibration: effects of vibration on structures (ISO, 1999). • NSW Industrial Noise Policy (DECC). • Environmental Criteria for Road Traffic Noise (NSW EPA). • Interim construction Noise Guideline (DECC).	SCSC Part 7
Department of Environment, Climate Change and Water (DECCW)	Address the Project's potential impact on the noise amenity of residential receptors.	4B.7.5
	Assess, quantify and report on the Project's noise and vibration emissions in accordance with the relevant guidelines.	4B.7.5, 4B.8.6
	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.7.4, 4B.7.5, 4B.8.4
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	4B.7.5, 4B.8.6
	Assess the noise impacts resulting from the construction and operation of the Project in accordance with the provisions of the NSW Industrial Noise Policy and the draft NSW Construction Noise Guideline.	4B.7.5
	Identify how noise will be minimised and controlled throughout the life of the Project and how complaints from the public regarding noise will be actioned.	4B.7.4, 4B.7.5
	Assess noise impacts associated with Project traffic movements on the Castlereagh Highway against the DECCW's guidance document *'NSW Environmental Criteria for Road Traffic Noise (EPA, 1999)'.*	4B.7.5.4
	Assess the Project's blasting and vibration impacts against relevant guidelines and assess the potential impact of vibration on residences.	4B.8.1, 4B.8.3, 4B.8.6
	Consider, where applicable, the following guidelines in the assessment: • NSW Industrial Noise Policy (EPA 1999) • NSW Environmental Criteria for Road Traffic Noise (EPA 1999) • Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration (ANZECC 1990) • Environmental Noise Management Assessing Vibration: A Technical Guide (DEC 2006)	4B.8.1, SCSC Part 7

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
	AIR	
Department of Planning (DoP)	Provide a description of the existing environment for the Project using sufficient baseline data.	4B.9.2
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.9.5
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.9.4
	Conduct a quantitative assessment of potential air quality impacts from the Project.	4B.9.5
	Conduct a qualitative assessment of the potential scope 1, 2 and 3 greenhouse gas emissions from the Project.	4B.9.5.4
	Provide an assessment of all reasonable and feasible measures that could be implemented on site to minimise greenhouse gas emissions and ensure the Project is energy efficient.	4B.9.4.3
	Consider the following documentation in the assessment: • 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). • National Greenhouse Accounts Factors (Australian Department of Climate Change (DCC)). • Guidelines of Energy Savings Action Plans (DEUS).	SCSC Part 6
Department of Environment, Climate Change and Water (DECCW)	Assess, quantify and report on air quality associated with the Project in accordance with the relevant guidelines.	4B.9.5
	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.9.4
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	4B.9.5.5
	Describe how existing air quality may be maintained and those sensitive receptors, both on and off site may be protected from adverse impacts of dust from the Project.	4B.9.6

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
AIR cont'd		
Department of Environment, Climate Change and Water (DECCW)	Assess the potential for dust impacts on sensitive receptors from both the construction of infrastructure associated with the Project.	4B.9.5
	Consider, where applicable, the following guidelines in the assessment; • Protection of the Environment Operations (Clean Air) Regulation 2002 • Approved Methods for the Sampling and Analysis of Air Pollutants in NSW • Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in New South Wales	SCSC Part 6
WASTE		
Department of Planning (DoP)	Provide accurate estimates of the quantity and nature of the potential waste streams of the Project.	2.10
	Provide a description of the measures that would be implemented to minimise, handle and dispose of waste on site.	2.10
	Consider the following documentation in the assessment: • Waste Classification Guidelines (DECC). • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management. • Environmental Guidelines: Use of Effluent by Irrigation (DECC).	2.10
Department of Environment, Climate Change and Water (DECCW)	Address the handling of any potential pollutant associated with the Project (e.g. Fuel spills, oils, sewage waste etc).	2.10
	Identify all chemicals to be utilised and the wastes likely to be generated during the construction and ongoing daily operation of the Project and indicate the storage locations for such materials.	2.10
	Address the proposed spill management infrastructure for the Project and procedures to address any spills of wastes, chemicals, effluent and hydrocarbon products utilised or generated, particularly in areas adjacent to waterways and notably in the vicinity of Neubecks Creek.	4B.1.4
	Describe the management strategies for the treatment and disposal/utilisation of all liquid and solid wastes generated by the Project.	2.10
	Identify the proposed disposal methods for waste oils and machinery waste sourced from any field operations and maintenance for the Project.	2.10
	Assess, quantify and report on chemical and waste management for the Project (waste water, sewage, general waste such as oils, chemicals, etc) in accordance with the relevant guidelines.	2.10

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
WASTE cont'd		
Department of Environment, Climate Change and Water (DECCW)	Consider, where applicable, the following guidelines in the assessment; • Guideline for the Use and Disposal of biosolids Products (NSW EPA 1997) • Environmental Guidelines: Solid Waste landfills (NSW EPA 1996) • Draft Environmental Guidelines – Industrial Waste Landfilling (April 1998) • Waste Classification Guidelines • Resource Recovery Exemptions (Land Application Guidelines) These documents can be accessed at: http:///ww.environment.nsw.gov.au/waste/envguidlns/index.htm.	2.10
	Waste Water • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Effluent Management (ARMCANZ/ANZECC 2997) • National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ARMCANZ/ANZECC 2000) • Environmental Guidelines for the Utilisation of Treated Effluent by Irrigation (NSW DEC 2004).	SCSC Part 2
ABORIGINAL HERITAGE and EUROPEAN HERITAGE		
Department of Planning (DoP)	Provide a description of the existing Aboriginal and European heritage environment for the Project using sufficient baseline data.	4B.5.2.2, 4B.5.2.5
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.5.3
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.5.5
	Assess the impacts from the Project on both Aboriginal and non-Aboriginal heritage.	4B.5.5
	Consider the following documentation in the assessment: • Draft Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation (DoP and DEC). • NSW Heritage Manual (NSW Heritage Office). • The Burra Charter (The Australia ICOMOS charter for places of cultural significance).	4B.5.2.3

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
ABORIGINAL HERITAGE and EUROPEAN HERITAGE cont'd		
Department of Environment, Climate Change and Water (DECCW)	Address the Project's potential impacts on Aboriginal Cultural Heritage in accordance with relevant guidelines.	4B.5.5
	Assess, quantify and report on Aboriginal Cultural Heritage within the Project site in accordance with the relevant guidelines.	4B.5.3
	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.5.5
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after these mitigation measures are implemented.	4B.5.5
	Address and document the information requirements set out in the draft "*Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation*" involving surveys and consultation with the Aboriginal community with regard to the Project.	4B.5.2.3
	Identify the nature and extent of Aboriginal Cultural heritage values across the Project area and assess the nature and extent of the likely impacts on this heritage.	4B.5.2.2, 4B.5.2.5
	Consider the cumulative impact of the Project in a regional context by assessing the cumulative impact to cultural heritage of proposed and approved developments throughout the region.	4B.5.2.2
	Describe the actions that will be taken to avoid or mitigate impacts or compensate to prevent unavoidable impacts of the Project on Aboriginal cultural heritage values.	4B.5.5
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after these measures are implemented.	4B.5.5
	Provide detailed methodologies for conducting Aboriginal heritage of activities within the Project site where it is determined that impacts are unavoidable and excavation and/or salvage and/or destruction of Aboriginal objects is proposed.	4B.5.2
	Where transfer of Aboriginal objects to local community members is proposed in any salvage methodology, demonstrate how both a commitment to and a process for meeting the statutory obligation to seek Care and Control Permit under s85A of the NPW Act 1974 for such transfer will be met for the Project.	Not Applicable
	Discuss how DECCW will be notified in the event new sites are located during the assessment process and/or at any time during the life of the Project in accordance with s91 of the NPW Act.	4B.5.4

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
ABORIGINAL HERITAGE and EUROPEAN HERITAGE cont'd		
Department of Environment, Climate Change and Water (DECCW)	Include all details of any new sites recorded during the assessment process and include a procedure for the formal identification, recording and notification of any new sites located during any mine related activities, and for the life of the Project.	4B.5.2.5
	Demonstrate that comprehensive and effective consultation with Aboriginal communities has been undertaken for the Project.	4B.5.2.3
	Discuss how Aboriginal community input was allowed in the survey, assessment and determination of the Aboriginal cultural heritage values of the Project area.	4B5.2.3
	Demonstrate how Aboriginal input into the assessment of the impacts of the Project on identified Aboriginal cultural heritage was enabled including the values inclusive of the development of avoidance and mitigation options and in making final recommendations.	4B.5.2.3
	Consider, where applicable, the following guidelines in the assessment; • Draft Guidelines for Aboriginal Cultural heritage Impact Assessment and Community Consultation – Available from the Department of Planning • Draft Guidelines for Aboriginal Cultural heritage Impact Assessment and Community Consultation (July 2005) Community consultation should be conducted in accordance with: • Interim Community Consultation Requirements for Applicants (DECC Dec 2004) Aboriginal Cultural heritage Standards and Guidelines Kit (National Parks and Wildlife Sept 1997). The two documents listed above may be found at the following link: http://www.environment.nsw.gov.au/conservation/aboriginalculture.htm	4B.5.2.3
Industry and Infrastructure NSW (I & I NSW)	Describe the consultation process with the Gundungurra Aboriginal Tribal Council and the Wiradjuri Aboriginal groups for the Project.	4B.5.2.3
TRAFFIC AND TRANSPORTATION		
Department of Planning (DoP)	Provide a description of the existing traffic and transport environment for the Project using sufficient baseline data.	4B.6.2
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.6.5
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.6.4
	Provide a detailed assessment of potential impacts on the safety and performance of the road network to be utilised by the Project.	4B.6.2, 4B.6.3
	Consider the following documentation in the assessment: • Guide to Traffic Generating Development (RTA).	4B.6

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
TRAFFIC AND TRANSPORTATION cont'd		
Department of Environment, Climate Change and Water (DECCW)	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	4B.6.4
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	4B.6.5
Sydney Catchment Authority (SCA)	Describe the access routes within and outside the proposed Project area.	4B.6.3
	Describe the practices proposed to ensure materials transported from the Project site by road do not spill (as solid, liquid or dust).	4B.6.4
Industry and Infrastructure NSW (I & I NSW)	Identify the area which may be affected either directly or indirectly by the development or activity on an appropriately scaled map (and aerial photographs).	Figure 1.3
	Provide details of the location of all waterway crossings (road), including any access tracks related to the Project.	Not Applicable
Roads and Traffic Authority (RTA)	Describe the expected vehicle types, volumes and movements during both construction and operation of the Project.	2.7
	Discuss the existing traffic volumes on the Castlereagh Highway within the vicinity of the Project (HW18) including traffic type break up, peak volumes, peak times and future growth rates.	4B.6.2.2
	Discuss internal traffic movement and parking facilities for the Project.	2.7
	Provide an assessment of the existing heavy vehicle intersection design for the Project.	4B.6.2.5
	Provide a plan of the current heavy vehicle intersection treatment.	SCSC Part 8 – Figure 2
	Discuss any recommended road safety improvements to the heavy vehicle intersection for the Project.	4B.6.2.5
	Describe whether the existing heavy vehicle intersection is suitable by comparing the highway traffic volumes (including growth) with the proposed traffic volumes turning into the mine site.	4B.6.2.5
	Provide a similar intersection analysis for the light vehicle access and required intersection treatment.	4B.6.2.5
	Provide the details of other anticipated impacts associated with the Project on the Castlereagh Highway including blasting, lighting, visual and drainage impacts.	Not Applicable

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
REHABILITATION AND FINAL LAND USE		
Department of Planning (DoP)	Provide a description of the proposed rehabilitation strategy for the Project area having regard to the key principles in *Strategic framework for Mine Closure.*	2.12
	Describe the proposed rehabilitation objectives, methodology, monitoring programs, performance standards and proposed completion criteria for the Project.	2.12
	Discuss the nominated final land uses for the Project site with consideration of the potential for integrating this strategy with any other land use strategies in the region.	2.12.6
	Provide a justification of the use of boiler ash in the rehabilitation process on the Project site, and concentrations of potential contaminants of concern within the ash.	2.12.7
	Consider the following documentation in the assessment: • 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). • Strategic Framework for Mine closure (ANZMEC-MCA).	2.12.1
Industry and Infrastructure NSW (I & I NSW)	Provide a detailed rehabilitation strategy for the Project.	2.12
	Provide a final land use statement and conceptual plan for the Project.	2.12.6, Figure 2.8
	Discuss the proposed rehabilitation objectives for the whole Project and the proposed post-mining land use.	2.12.2, 2.12.6
	Provide a conceptual plan depicting the final land use and landforms (including indicative vegetation types and structures) for the Project.	2.12..3, 2.12.6, Figure 2.8
	Discuss alternative final land use and rehabilitation outcomes for the Project and provide reasons for selecting the proposed final land use.	2.12
	Describe how the final land use for the Project complies with relevant Government legislation or policies, research or industry leading practice.	2.12
	Describe how the rehabilitation strategy for the Project could be integrated with biodiversity offsets or conservation strategies in the region.	2.12
	Discuss the rehabilitation objectives and completion criteria for the Project**.**	2.12

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
REHABILITATION AND FINAL LAND USE cont'd		
Industry and Infrastructure NSW (I & I NSW)	Identify each rehabilitation domain and describe rehabilitation objectives for each domain and the medium and long term measures to be implemented to achieve the rehabilitation objectives for the Project.	2.12
	Identify strategic completion criteria for each domain having regard to the various stages of rehabilitation and outline proposed timeframes for progressive rehabilitation for the Project.	2.12
	Discuss the proposed rehabilitation methods and techniques and proposed monitoring and research programs for the Project.	2.12.3
	Describe any post-rehabilitation maintenance requirements for the Project site and how these will be managed.	2.12
	Describe the establishment of rehabilitation reference sites within the surrounding vegetation types that would provide a benchmark for final land use rehabilitation for the Project.	2.12
Department of Environment, Climate Change and Water (DECCW)	Describe the mitigation and management options that will be used to prevent, control, abate or mitigate identified environmental impacts associated with the Project and to reduce risks to human health and prevent the degradation of the environment.	2.12
	Include an assessment of the effectiveness and reliability of the measures and any residual impacts after mitigation measures are implemented.	2.12
NSW Office of Water (NOW)	Detail the predicted impacts of any final landform on the groundwater regime for the Project.	4B1.6.7
	Discuss how existing drainage lines would be recreated as part of the final landform for the Project.	4B.2.5.4
	Show the location of any waterways in the final landform that are proposed to be restored as part of the Project.	Figure 4B.13
Sydney Catchment Authority (SCA)	Summarise the chemical characteristics of the boiler ash proposed to be used for Project rehabilitation works.	2.12.7

Coverage of Environmental Issues

Government Agency	Paraphrased Requirement	Relevant EA Section(s)
SOILS and LAND CAPABILITY		
Department of Planning (DoP)	Provide a description of the existing soil and land capability environment for the Project using sufficient baseline data.	4B.11.2.2, 4B.11.3, 4B.11.9.1, 4B.11.9.2
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.11.7, 4B.11.9.3
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.11.8
	Consider the following documentation in the assessment: • Australian and New Zealand Guidelines for the Assessment and Management of contaminated sites (ANZECC). • Rural Land capability Mapping (DLWC). • Agricultural Land Classification (DPI).	SCSC Part 3
SOCIAL and ECONOMIC		
Department of Planning (DoP)	Provide an assessment of the costs and benefits of the Project as a whole, and whether it would result in a net benefit for the NSW community.	4B.12.3
	Provide a description of the existing socio economic environment for the Project using sufficient baseline data.	4B.12.1
	Provide an assessment of the potential impacts of the Project, including any cumulative impacts taking into consideration any relevant guidelines, policies, plans and statutory provisions.	4B.12.3
	Provide a description of the measures that would be implemented to avoid, minimise and if necessary, offset the potential impacts of the Project including detailed contingency plans for managing any significant risks to the environment.	4B.12.2

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