

Environmental Assessment Requirements

State Significant Development

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

Application Number	SSD 7171
Proposal	<p>The Berrima Rail Project, which includes:</p> <ul style="list-style-type: none"> • upgrading the Berrima Branch Line and using it to transport coal from the Hume Coal Project; • constructing a rail loop extension to the Hume Coal Project site; • constructing a railway bridge over Berrima Road; • decommissioning the existing rail connection to the Berrima Cement Works and constructing a new rail connection into the Berrima Cement Works from the new railway bridge; • upgrading the intersection of the Berrima Branch Line and Main Southern Railway; and • any necessary upgrades at the intersection between the Berrima Branch Line and Main Southern Line.
Location	Approximately 4 km north-west of Moss Vale, extending from the existing Berrima Branch Line to west of the Hume Highway at New Berrima.
Applicant	Hume Coal Pty Ltd
Date of Issue	20 August 2015
General Requirements	<p>The Environmental Impact Statement (EIS) for the development must comply with the requirements in Clauses 6 and 7 of Schedule 2 of the <i>Environmental Planning and Assessment Regulation 2000</i>.</p> <p>In particular, the EIS must include:</p> <ul style="list-style-type: none"> • a full description of the development, including the likely interactions between the development and any other existing, approved or proposed development in the vicinity of the site, particularly the Hume Coal Project; • a list of any approvals that must be obtained before the development may commence; • an assessment of the likely impacts of the development on the environment, focusing on the specific issues identified below, including: <ul style="list-style-type: none"> – a description of the existing environment likely to be affected by the development, using sufficient baseline data; – an assessment of the likely impacts of all stages of the development, including any cumulative impacts, taking into consideration any relevant legislation, environmental planning instruments, guidelines, policies, plans and industry codes of practice; – a description of the measures that would be implemented to mitigate and/or offset the likely impacts of the development, and an assessment of: <ul style="list-style-type: none"> ○ whether these measures are consistent with industry best practice, and represent the full range of reasonable and feasible mitigation measures that could be implemented; ○ the likely effectiveness of these measures, including performance measures where relevant; and ○ whether contingency plans would be necessary to manage any residual risks; – a description of the measures that would be implemented to monitor and report on the environmental performance of the development if it is approved; • a consolidated summary of all the proposed environmental management and monitoring measures, identifying all the commitments in the EIS; and

	<ul style="list-style-type: none"> the reasons why the development should be approved having regard to environmental, economic and social considerations, including the principles of ecologically sustainable development. <p>While not exhaustive, Attachment 1 contains a list of some of the environmental planning instruments, guidelines, policies, and plans that may be relevant to the environmental assessment of this development.</p> <p>In addition to the matters set out in Schedule 1 of the <i>Environmental Planning and Assessment Regulation 2000</i>, the development application must be accompanied by a signed report from a suitably qualified and experienced person that includes an accurate estimate of the capital investment value (as defined in Clause 3 of the <i>Environmental Planning and Assessment Regulation 2000</i>) of the development, including details of all the assumptions and components from which the capital investment value calculation is derived.</p>
Specific Issues	<p>The EIS must address the following specific issues:</p> <ul style="list-style-type: none"> Biodiversity – including: <ul style="list-style-type: none"> an assessment of the likely biodiversity impacts of the development, in accordance with the Framework for Biodiversity Assessment, by a person accredited in accordance with s142(B)(1)(c) of the <i>Threatened Species Conservation Act 1995</i>, and having regard to OEH's and DPI's requirements and recommendations (see Attachment 2); and a strategy to offset any residual impacts of the development in accordance with the NSW Biodiversity Offsets Policy for Major Projects; Noise and Vibration – including: <ul style="list-style-type: none"> an assessment of the likely rail noise and vibration impacts of the development under the <i>Rail Infrastructure Noise Guideline</i> (EPA, 2013) and <i>Assessing Vibration a Technical Guideline</i> (2006), and having regard to EPA's requirements (see Attachment 2); an assessment of the noise associated with the rail facilities under the <i>NSW Industrial Noise Policy</i>, if such an assessment is not undertaken as part of the Hume Coal Project; if a claim is made for specific construction noise criteria for certain activities, then this claim must be justified and accompanied by an assessment of the likely construction noise impacts of these activities under the <i>Interim Construction Noise Guideline</i> (2009); Heritage – including an assessment of the likely Aboriginal and historic heritage (cultural and archaeological) impacts of the development, having regard to OEH's requirements (see Attachment 2); Water – including: <ul style="list-style-type: none"> an assessment of the likely impacts of the development on the quantity and quality of the region's surface and groundwater resources, having regard to the EPA's, DPI's and Water NSW's requirements and recommendations (see Attachment 2); an assessment of the likely impacts of the development on aquifers, watercourses, riparian land, water-related infrastructure, and other water users; and an assessment of the likely flooding impacts of the development; Transport – including: <ul style="list-style-type: none"> an assessment of the likely transport impacts of the development on the capacity, condition, safety and efficiency of the local and State road network, and the rail network, having regard to Transport for NSW's and RMS's requirements (see Attachment 2); Air – including: <ul style="list-style-type: none"> an assessment of the likely air quality impacts of the development in accordance with the <i>Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW</i> and the EPA's additional requirements (see Attachment 2); and an assessment of the likely greenhouse gas impacts of the development, having regard to the EPA's requirements (see

	<p>Attachment 2); and</p> <ul style="list-style-type: none"> • Social & Economic – including: <ul style="list-style-type: none"> - an assessment of the likely social impacts of the development; and - an assessment of the likely economic impacts of the development, paying particular attention to the economic benefits of the project for the State and region and the demand for the provision of local infrastructure and services.
Consultation	<p>During the preparation of the EIS, you must consult with relevant local, State or Commonwealth Government authorities, service providers, community groups and affected landowners.</p> <p>The EIS must describe the consultation that was carried out, identify the issues raised during this consultation, and explain how these issues have been addressed in the EIS.</p>

ATTACHMENT 1

Environmental Planning Instruments, Policies, Guidelines & Plans

Land	
	Agfact AC25: Agricultural Land Classification (NSW Agriculture)
	Interim Protocol for Site Verification & Mapping of Biophysical Strategic Land (OEH)
	Soil and Landscape Issues in Environmental Impact Assessment (NOW)
	State Environmental Planning Policy No. 55 – Remediation of Land
	Australian and New Zealand Guidelines for the Assessment and Management of Contaminated Sites (ANZECC)
Water	
Water Sharing Plans	Greater Metropolitan Region Unregulated River Water Sources
	NSW State Groundwater Policy Framework Document (NOW)
	NSW State Groundwater Quality Protection Policy (NOW)
	NSW State Groundwater Quantity Management Policy (NOW)
	NSW Aquifer Interference Policy 2012 (NOW)
	Australian Groundwater Modelling Guidelines 2012 (Commonwealth)
	National Water Quality Management Strategy Guidelines for Groundwater Protection in Australia (ARMCANZ/ANZECC)
	Guidelines for the Assessment & Management of Groundwater Contamination (EPA)
	NSW State Rivers and Estuary Policy (NOW)
	NSW Government Water Quality and River Flow Objectives (EPA)
	Using the ANZECC Guideline and Water Quality Objectives in NSW (EPA)
	National Water Quality Management Strategy: Australian Guidelines for Fresh and Marine Water Quality (ANZECC/ARMCANZ)
Groundwater	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 (ARMCANZ/ANZECC)
	National Water Quality Management Strategy: Guidelines for Sewerage Systems – Use of Reclaimed Water (ARMCANZ/ANZECC)
	Approved Methods for the Sampling and Analysis of Water Pollutants in NSW (EPA)
	Managing Urban Stormwater: Soils & Construction (Landcom) and associated Volume 2E: Mines and Quarries (DECC)
	Managing Urban Stormwater: Treatment Techniques (EPA)
	Managing Urban Stormwater: Source Control (EPA)
	Technical Guidelines: Bunding & Spill Management (EPA)
	Environmental Guidelines: Use of Effluent by Irrigation (EPA)
	A Rehabilitation Manual for Australian Streams (LWRRDC and CRCCH)
	NSW Guidelines for Controlled Activities (NOW)
Flooding	Floodplain Development Manual (OEH)
	Floodplain Risk Management Guideline (OEH)

Biodiversity	<ul style="list-style-type: none"> Framework for Biodiversity Assessment (OEH) NSW Biodiversity Offsets Policy for Major Projects (OEH) Threatened Species Assessment Guidelines (OEH) Policy and Guidelines for Aquatic Habitat Management and Fish Conservation (Fisheries NSW) NSW State Groundwater Dependent Ecosystem Policy (NOW) Risk Assessment Guidelines for Groundwater Dependent Ecosystems (NOW) State Environmental Planning Policy No. 44 – Koala Habitat Protection
Heritage	<ul style="list-style-type: none"> The Burra Charter (The Australia ICOMOS charter for places of cultural significance) Draft Guidelines for Aboriginal Cultural Heritage Assessment and Community Consultation (DP&E) Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (OEH) Code of Practice for Archaeological Investigations of Objects in NSW (OEH) Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (OEH) NSW Heritage Manual (OEH) Statements of Heritage Impact (OEH)
Noise	<ul style="list-style-type: none"> NSW Industrial Noise Policy Interim Construction Noise Guideline (EPA) NSW Road Noise Policy (EPA) Rail Infrastructure Noise Guideline (EPA) Assessing Vibration: a Technical Guideline (EPA)
Air	<ul style="list-style-type: none"> Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW (EPA) Approved Methods for the Sampling and Analysis of Air Pollutants in NSW (EPA) Generic Guidance and Optimum Model Settings for the CALPUFF Modelling System for Inclusion in the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW (EPA) National Greenhouse Accounts Factors (Commonwealth)
Transport	<ul style="list-style-type: none"> Guide to Traffic Generating Development (RTA) Road Design Guide (RMS) & relevant Austroads Standards
Hazards	<ul style="list-style-type: none"> State Environmental Planning Policy No. 33 – Hazardous and Offensive Development Hazardous and Offensive Development Application Guidelines – Applying SEPP 33 Hazardous Industry Planning Advisory Paper No. 6 – Guidelines for Hazard Analysis
Waste	<ul style="list-style-type: none"> Waste Classification Guidelines (EPA)
Rehabilitation	<ul style="list-style-type: none"> Mine Rehabilitation – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth) Mine Closure and Completion – Leading Practice Sustainable Development Program for the Mining Industry (Commonwealth) Strategic Framework for Mine Closure (ANZMEC-MCA)

Environmental Planning Instruments - General

State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007

State Environmental Planning Policy (State and Regional Development) 2011

State Environmental Planning Policy (Infrastructure) 2007

Wingecarribee Local Environment Plan 2010
