

Appendix 8

TRAFFIC IMPACT ASSESSMENT

**Traffic Impact Assessment
Proposed Canyon Extension to the Whitehaven Coal Mine
Key Transportation and Traffic Issues Covered
in the Statement of Environmental Effects**

Relevant Issue to be Covered	Covered in Section(s)
Brief Description of the Development	1.1; 2.1.2
Background	1.4
Description of the Site and Proposed Activity	1.1.2; 2; 3
Site Location	
* Current land use characteristics (zoning) of the proposed site and land use in the vicinity	1.1.2
* Site Access	1.6.7; 3.15
The Existing Traffic Conditions	
* Road hierarchy, including the identification of the classified road network (major and minor roads) which may be affected by the development proposals	3.15.1
* Inventory of road widths, road conditions, traffic management and parking control	3.15.1
* Current and proposed roadworks	Nil required
Traffic Flows	
* Identification of key roads, and appropriate assessment period; AADT on key roads	3.15.2
* Estimate of the speed of traffic on the road to which vehicular access is proposed	3.15.1
* Current traffic generation off site	1.6.7; 3.15.2
* Daily and peak period heavy vehicle flows and percentages	3.15.2
Traffic Safety	1.6.7
Pedestrian Network	Not applicable
Public Transport	
* Bus routes (especially school buses)	3.15.3
Developments in the Vicinity	Nil
Source: Roads & Traffic Authority of NSW, 1993 * Extract from "Guide to Traffic Generating Developments – December 1993"	

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Relevant Issue to be Covered	Covered in Section(s)
The Development	
* Nature of development	Section 2
* Hours and days of operation	1.6.6; 2.4.4.2
* Staging and timing of development	Section 2
Access	
* Alternative locations of access	Existing Access – not applicable
* Sight distance of driveways and comparisons with stopping and desirable minimum sight distances	3.15.1
Traffic Generation During Design Periods	
* Daily and seasonal factors	3.15
Impact of Traffic Safety	
* Assessment of Road Safety Impact	3.15
Impact of Generated Traffic	
* Daily traffic flows and composition on key streets and their expected effect on the environment	3.15.6
* Impact of construction traffic during construction stages	Not applicable
* Other proposed developments in the vicinity, their timing and likely impact, if known	Not applicable
* Assessment of traffic noise	3.11.4.3
Recommended Works	
* Improvements to site access and circulation	Nil additional required.
* Improvements to roads, signals, roundabouts and other traffic management measures	Nil additional required.
* Noise attenuation measures	Nil additional required.
* Extract from "Guide to Traffic Generating Developments – December 1993"	