

Appendix 5

SEPP 33 Risk Screening

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A5.1 Introduction

The Director-General's Requirements nominate that the *Environmental Impact Statement* should consider all relevant environmental planning instruments. One of these instruments is State Environmental Planning Policy (SEPP) 33 which has been prepared to assist developers determine whether they are a hazardous or potentially hazardous industry. In accordance with the risk screening method and management measures provided by the Department of Planning and Infrastructure (DP&I) document "Applying SEPP 33 Final" (2011), this appendix presents the details of the determination regarding the classification of the amended Rocky Hill Coal Project under SEPP 33.

Industries or projects determined to be hazardous or potentially hazardous require the preparation of a Preliminary Hazard Analysis (PHA) in accordance with Clause 12 of SEPP 33. No further assessment under SEPP 33 is required for projects not considered potentially hazardous following a SEPP 33 Risk Assessment.

A5.2 Hazardous Materials on the Site

Hazardous materials are defined within DP&I (2011) as substances falling within the classification of the Australian Code for Transportation of Dangerous Goods by Road and Rail (Dangerous Goods Code). Based on this definition, the hazardous materials to be stored on the Site, quantities and storage location are summarised in **Table A5.1**.

Table A5.1
Hazardous Materials Storage on Site

Hazardous Material	Classification	Description	Storage Quantity	Storage Location
Diesel Fuel	Class 3 C1	Combustible liquids: flashpoint above 61°C but not exceeding 150°C	3 x 110 000L tanks 1 x 10 000L tank Total = 340m ³	Workshop Area Sized Coal Bin
Lubricating oils and greases	Class 3 C2	Combustible liquids flashpoint above 150°C	2 x 4 000L waste oil tanks 9 x 4 000L product oil tanks	Workshop Area
Ammonium Nitrate	Class 1.1	Substances and articles which have a mass explosion hazard (a mass explosion is one which affects almost the entire load virtually instantaneously) ¹	200 tonnes ²	Explosives Storage Facility

Note 1: Australian Dangerous Goods Classification (2011)

Note 2: Ammonium nitrate storage within 1.2t bulka bags.

Source: GRL

Transportation, storage and handling of all chemical products would be undertaken in accordance with the relevant codes of practice such as *Storage and Handling of Dangerous Goods Code of Practice 2005* and *National Work Health and Safety Act 2011*. **Table A5.2** lists the projected average number of loads of diesel fuel and ammonium nitrate that would be delivered to the Mine Area during Years 1 and 10.

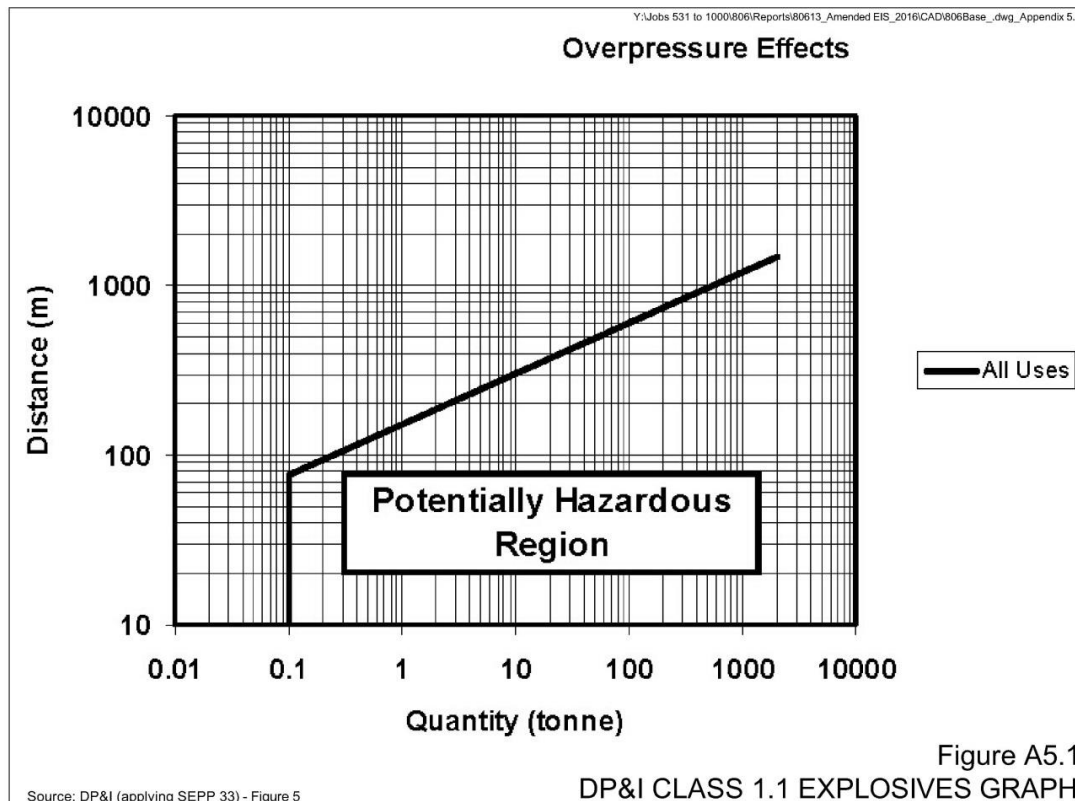
Table A5.2
Hazardous Materials Transport to the Mine Area

	Projected Average No. of Loads per Year		Load Size
	Year 1	Year 10	
Diesel Fuel	172	428	25kL
Ammonium Nitrate	150	311	25.2t
Source: GRL			

A5.3 SEPP 33 Determination

As the diesel fuel (Class C1) and lubricating oils and greases (Class C2) are not stored adjacent to any other hazardous materials, DP&I (2011) does not require these to be considered further.

As identified in DP&I (2011), Class 1.1 dangerous goods are assessed by the required storage of the explosives (measured in tonnes) on a logarithmic scale in comparison to setback distance (see **Figure A5.1**). At an anticipated maximum level of explosives required for storage on site at any one time for the amended Project determined at 200t, a minimum safe distance to store the explosives is less than 750m to the nearest public or privately-owned land. While an explosives storage facility is yet to be finalised at this stage of the amended Project, the Applicant would locate the explosive storage facility in an appropriate location within the Site, ensuring that all minimum proximity requirements are met.



A5.4 Conclusion

Based upon the information presented in Sections A5.2 and A5.3, other than guiding the minimum setback distance for the explosives storage facility, SEPP 33 does not apply to the amended Rocky Hill Coal Project.