

RiskCon Engineering

State Environmental Planning Policy No. 33
780 Wallgrove Road, Horsley Park

Austral Masonry (NSW) Pty Ltd
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State Environmental Planning Policy No. 33

780 Wallgrove Road, Horsley Park

Austral Masonry (NSW) Pty Ltd

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A	13 December 2018	Issued draft for comment	Renton Parker	Steve Sylvester
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Executive Summary

Introduction

Austral Masonry (NSW) Pty Ltd (Austral) has proposed to develop a new site at 780 Wallgrove Road, Horsley Park. An initial application was submitted to the Department of Planning and Environment who provide Secretary Environmental Assessment Requirements (SEARS) requiring the preparation of a State Environmental Planning Policy No. 33 (SEPP 33) report. If the assessment determines SEPP 33 to be exceeded, a Preliminary Hazard Analysis (PHA) is required to be submitted with the Development Application. Brickworks Land & Development, on behalf of Austral, has engaged RiskCon Engineering Pty Ltd to prepare the SEPP 33 for the site.

Conclusions

A review of the materials proposed to be stored as part of the expansion indicated no additional DGs would be stored or handled in relation to the expansion. As there is no increase in DGs, there is no increase in assessable quantities under SEPP 33.

As the facility is not classified as potentially hazardous, it is not necessary to prepare a Preliminary Hazard Analysis for the facility as SEPP 33 does not apply.

Recommendations

No recommendations have been made for the site

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1.0 Introduction

1.1 Background

Austral Masonry (NSW) Pty Ltd (Austral) has proposed to develop a new site at 780 Wallgrove Road, Horsley Park. An initial application was submitted to the Department of Planning and Environment who provide Secretary Environmental Assessment Requirements (SEARS) requiring the preparation of a State Environmental Planning Policy No. 33 (SEPP 33) report. If the assessment determines SEPP 33 to be exceeded, a Preliminary Hazard Analysis (PHA) is required to be submitted with the Development Application. Brickworks Land & Development, on behalf of Austral, has engaged RiskCon Engineering Pty Ltd to prepare the SEPP 33 for the site.

1.2 Scope of Work

The scope of work is to prepare the SEPP 33 assessment for the proposed Austral site at 780 Wallgrove Road, Horsley Park. Should any additional studies be required (i.e. PHA) these are not included, nor are any other Austral sites included within the scope of work.

2.0 Methodology

2.1 General Methodology

The methodology used in this assessment is as follows:

- Review the types and proposed quantities of DGs to be stored at the site.
- Compare the quantities of DGs the threshold quantities listed in “Applying SEPP 33 – Hazardous and Offensive Development” (Ref. [1]) to identify whether the storage location or quantity triggers SEPP 33.
- Review the likely vehicular movements involving DGs and compare against the applicable thresholds detailed in Applying SEPP 33 (Ref. [1]).
- Report on the findings of the SEPP 33 assessment.

2.2 Data taken from “Applying SEPP 33”

Figure 2-1, extracted from “Applying SEPP 33” provides details on the application of Figures or Tables from the same document to determine the applied screening Threshold.

Class	Method to Use/Minimum Quantity
1.1	Use graph at Figure 5 if greater than 100 kg
1.2-1.3	Table 3
2.1 — pressurised (excluding LPG)	Figure 6 graph if greater than 100 kg
2.1 — liquefied (pressure) (excluding LPG)	Figure 7 graph if greater than 500 kg
LPG (above ground)	table 3
LPG (underground)	table 3
2.3	table 3
3PGI	Figure 8 graph if greater than 2 tonne
3PGII	Figure 9 graph if greater than 5 tonne
3PGIII	Figure 9 graph if greater than 5 tonne
4	table 3
5	table 3
6	table 3
7	table 3
8	table 3

Figure 2-1: Screening Method to be Used

Table 3 from “Applying SEPP 33” has been extracted and is shown in **Figure 2-2**.

Class	Screening Threshold	Description
1.2	5 tonne	or are located within 100 m of a residential area
1.3	10 tonne	or are located within 100 m of a residential area
2.1	(LPG only — not including automotive retail outlets ¹)	
	10 tonne or 16 m ³	if stored above ground
	40 tonne or 64 m ³	if stored underground or mounded
2.3	5 tonne	anhydrous ammonia, kept in the same manner as for liquefied flammable gases and not kept for sale
	1 tonne	chlorine and sulfur dioxide stored as liquefied gas in containers <100 kg
	2.5 tonne	chlorine and sulphur dioxide stored as liquefied gas in containers >100 kg
	100 kg	liquefied gas kept in or on premises
	100 kg	other poisonous gases
4.1	5 tonne	
4.2	1 tonne	
4.3	1 tonne	
5.1	25 tonne	ammonium nitrate — high density fertiliser grade, kept on land zoned rural where rural industry is carried out, if the depot is at least 50 metres from the site boundary
	5 tonne	ammonium nitrate — elsewhere
	2.5 tonne	dry pool chlorine — if at a dedicated pool supply shop, in containers <30 kg
	1 tonne	dry pool chlorine — if at a dedicated pool supply shop, in containers >30 kg
	5 tonne	any other class 5.1
5.2	10 tonne	
6.1	0.5 tonne	packing group I
	2.5 tonne	packing groups II and III
6.2	0.5 tonne	includes clinical waste
7	all	should demonstrate compliance with Australian codes
8	5 tonne	packing group I
	25 tonne	packing group II
	50 tonne	packing group III

Note: The classes used are those referred to in the Australian Dangerous Goods Code and are explained in Appendix 7.

Figure 2-2: General Screening Threshold Quantities

Transportation screen thresholds have been provided in **Figure 2-3**.

Class	Vehicle Movements		Minimum quantity*	
	Cumulative	Peak	per load (tonne)	
	Annual	or Weekly	Bulk	Packages
1	see note	see note	see note	
2.1	>500	>30	2	5
2.3	>100	>6	1	2
3PGI	>500	>30	1	1
3PGII	>750	>45	3	10
3PGIII	>1000	>60	10	no limit
4.1	>200	>12	1	2
4.2	>100	>3	2	5
4.3	>200	>12	5	10
5	>500	>30	2	5
6.1	all	all	1	3
6.2	see note	see note	see note	
7	see note	see note	see note	
8	>500	>30	2	5
9	>1000	>60	no limit	

Figure 2-3: Transportation Screening Thresholds

3.0 SEPP 33 Review

3.1 Proposed Storage Details

Discussion with Austral personnel indicates that as part of this expansion no additional materials classified as Dangerous Goods (DGs) are required in the operations.

3.2 Application of State Environmental Planning Policy No.33 – Hazardous and Offensive Developments

State Environmental Planning Policy No. 33 – Hazardous and Offensive Developments (SEPP 33) has been developed under the Planning and Assessment Act 1979 to control potentially hazardous and offensive developments and to ensure appropriate safety features are installed at a facility to ensure the risks to surrounding land uses is minimised.

The policy includes a guideline that assists government and industry alike in determining whether SEPP 33 applies to a specific development. The guideline, “Applying SEPP 33 - Hazardous and Offensive Developments” (Ref. [1]) provides a list of threshold levels, for the storage of DGs, above which the regulator considers the DG storage to be potentially hazardous. In the event the threshold levels are exceeded, SEPP 33 applies and a Preliminary Hazard Analysis (PHA) is required, followed by a series of hazard analysis studies stipulated by the Department of Planning and Environment in the conditions of consent.

3.2.1 Storage

As noted, no materials classified as DGs will be stored as part of the expansion; hence, there are no assessable materials against SEPP 33 and therefore SEPP 33 is not exceeded and no additional assessment is required.

3.2.2 Transport

As there are no assessable quantities of materials for storage, there will be no increase of DGs transported to the site as part of the expansion. Therefore, the transportation limits in SEPP 33 would also not be exceeded.

4.0 Conclusion and Recommendations

4.1 Conclusions

A review of the materials proposed to be stored as part of the expansion indicated no additional DGs would be stored or handled in relation to the expansion. As there is no increase in DGs, there is no increase in assessable quantities under SEPP 33.

As the facility is not classified as potentially hazardous, it is not necessary to prepare a Preliminary Hazard Analysis for the facility as SEPP 33 does not apply.

4.2 Recommendations

No recommendations have been made for the site

5.0 References

- [1] Department of Planning, "Applying SEPP 33," Department of Planning, Sydney, 2011.
- [2] National Transport Commission (NTC), "Australian Code for the Transport of Dangerous Goods by Road & Rail, 7th Edition," 2011.