

M.J.S. DANGEROUS GOODS SOLUTIONS

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I have been asked to carry out a SEPP 33 report on a proposed site in the newly formed Hunter Economic Zone near Curry Curry.

I have been told that the following products are to be used on the site, some being used in the manufacturing process.

Class 3 PG 11 PENTANE Hydrocarbons N.O.S

2 x 55,000 Ltrs underground storage tanks, which are to be located 20 meters from the boundary.

Catalysts May also be a Class 8 Product

Stored in 1000 Ltr IBC's and are going to be located approx 25 metres from a boundary.

Class 9 PMDI Environmentally Hazards Substances, Liquid N.O.S.

2 x 50,000 Ltr underground storage tank, which are to be located 20 meters from the boundary.

Polyol Environmentally Hazards Substances, Liquid N.O.S.

2 x 50,000 Ltr underground storage tanks, which are to be located 20 meters from the boundary.

Applying SEPP 33

The project is calling for the installation of 6 underground storage tanks. Two of these tanks are 55,000 Ltrs in capacity and the other four are 50,000 Ltr in capacity.

A dangerous goods licence will have to be obtained from WorkCover N.S.W. for these tanks.

When you are applying SEPP 33 to any project the guidelines ask you to apply tables which appear in APPLYING SEPP 33 Hazardous and Offensive Development Application Guidelines published by the Department of Urban Affairs and Planning.

Table 1 Screening Method to be used.

Class 3 PG 11 products.

You are to use figure 9 graph if greater than 2,000 ltrs.

PENTANE:- Class 3 PG11 is greater than 2,000 Ltrs so the graph is used, it states, that the storage is 110,000 ltrs, which means that the tanks should be located 25 meters from the boundary. The tanks to be used are underground tanks and because of this the screening method states, that you have to divide the capacity by 5 which, bring the capacity of the tanks down to 22,000 Ltrs.

This allows for the tanks to be located 12 meters from a boundary; the tanks are to be located 20 meters from a boundary.

This product does not exceed the threshold of table 1 of SEPP 33

Catalysts This product has not been defined in the Australian Dangerous Goods Code. It could be Class 3 or Class 8.

I have classed it as a Class 3 product, as class3 and 8 products are very similar in the "Australian Standards" as to separation distances.

The product is to be stored in 1,000 Ltr IBC's and locate 25 meters from any boundary.

This product does not exceed the greater than 2,000 ltrs so it does not require a SEPP 33.

If I combine both Class 3 products they together do not exceed the threshold of table 1 of SEPP 33.

Class 9 Environmentally Hazardous Substances Liquid, N.O.S.

PMDI Class 9 product does not come under Table 1

This product does not exceed the threshold of Table 1 of SEPP 33

Polyol Class 9 product does not come under Table 1

This product does not exceed the threshold of Table 1 of SEPP 33.

Table 2 Transport Screening Thresholds

The following are approximates too the truck movements in and out of the site.

Class 3 PG11 Products

Table 2 asks the following:-

VEHICLE MOVEMENTS		
Cumulative		Peak
Annual	or	Weekly
> 750		> 45

The combine Class 3 PG 11 products total 80 truck movements per year, which is well below the threshold of greater than 750.

The Class 3 PG 11 products do not exceed the threshold of Table 2 of SEPP 33.

Class 9 Products

Table 2 asks the following

VEHICLE MOVEMENTS		
Cumulative		Peak
Annual	or	Weekly
>1000		>60

The combine Class 9 products are 674 for the PMDI and 285 for the Polyol, which total 959 movements per year.

The class 9 products do not exceed the threshold of Table 2 of SEPP 33.

The proposed project does not exceed the thresholds set out in SEPP 33 in any way at all.

RECOMMENDATION

That SEPP 33 does not apply to the project, as it has been presented to me.

Yours faithfully

Matt Sawtell
Principal