

16 November 2012

Commercial-in-Confidence

Capital Insight Pty Ltd
Level 6, 77 Berry
Street
North Sydney
NSW 2060

Attention: Mr Ed. Jaworski

Dear Ed,

Subject: State Environmental Planning Policy No.33 Review – Materials Sciences and Engineering Building UNSW

Thank you for your inquiry regarding the application of State Environmental Planning Policy No.33 (SEPP33) to the proposed Materials Sciences and Engineering Building (the Facility) at the University of NSW (UNSW). SEPP33 has been developed by the Department of Planning to determine the hazardous and offensive nature of proposed developments and to identify whether such development can be permitted within specific zoning applications.

SEPP33 Application - Hazards

To assist in determining whether SEPP33 applies to a proposed facility, the Department of Planning has issued a guideline "Applying SEPP33 – Hazardous and Offensive Development Guidelines". This guideline provides a methodology for comparing the quantities of Dangerous Goods at a site to threshold quantities listed in the guideline. Where the stored quantities are below the threshold levels, SEPP33 does not apply. However, where the threshold levels are exceeded, it is necessary to demonstrate that the proposed facility is not hazardous and offensive by conducting a Preliminary Hazard Analysis.

Using the guidelines issued by the Department of Planning, a review of the applicability of SEPP33 was conducted. **Table 1** summarises the results of this review. Based on these results it is concluded that SEPP33 does not apply to the proposed Materials Sciences and Engineering Building at the University of NSW (UNSW) as the threshold levels are not exceeded.

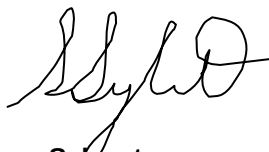
SEPP33 Application - Offensiveness

The application of SEPP33 in the area of offensiveness relates to the potential for a facility to discharge hazardous or dangerous materials that could cause offense to sensitive land users around the site. The Applying of the SEPP33 guideline provides guidance on determining whether a facility may be offensive. The guideline indicates that where a pollution control licence is required the facility may be offensive. Where a pollution control licence is not required, the facility can be considered as not being offensive and SEPP33 would not apply in this case.

The facility will use a number of fume cupboards that would not constitute a production process that would require the obtaining of a pollution control licence from the Office of Environment and Heritage (OEH). Fume hoods are mainly used for occupational health and safety purposes to prevent the accumulation of vapours and dusts in work areas. The formation of vapours and dusts in hoods is minor and the quantities released via hood the discharge are intermittent and negligible. Discharges from fume hoods would not exceed any of the OEH permissible discharge limits. Hence, there would be no requirements for licensing of fume hood discharges and SEPP33 would therefore not apply.

Should you require any further information regarding this subject, please call me on the mobile (0411 659 309).

Yours sincerely,



Steve Sylvester
Associate Director – Risk Engineering
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Encl:

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TABLE 1
LIST OF DANGEROUS GOODS STORED AND HANDLED AT THE
MATERIAL SCIENCES AND ENGINEERING BUILDING UNSW

Class	Basement (kg)	Level 1 (kg)	Level 2 (kg)	Level 3 (kg)	Level 4 (kg)	TOTAL (kg)	Threshold Level (kg)	Apply SEPP 33 Yes/No
Flam. Liquid – 3	250	100	500	500	500	3,350	5,000 ¹	No
Corrosive – 8	0	1000	500	1000	1500	4,000	5,000 ²	No
Gases								
Flam Gas – 2.1	12 “G”: size cylinders. Based on the mix of gases (H ₂ & CH ₄), the total mass of gas is 48 kg						100 kg	No
Non Toxic/Flam 2.2 [#]	58 “G” size cylinders. Based on mix of gases (CO ₂ , N ₂ , Ar) the total mass of gas is 990 kg						Unlimited [#]	No
Toxic – 2.3 (ammonia)	2 x “G” size cylinders. total mass of liquefied gas is 100 kg						5,000kg	No
Toxic – 2.3 (other toxic gases)	1 x “G” size cylinders. total mass of liquefied gas is 50 kg						100 kg	No

SEPP33 does not apply to Class 2.2 Dangerous Goods

Note 1: SEPP33 does not apply to Class 3 flammable liquids unless the quantities exceed 5,000 L. For storage quantities exceeding 5,000 kg, the application of SEPP33 is based on separation distance from the site boundary.

Note 2: SEPP33 does not apply to corrosive substances unless the quantities exceed 5,000 kg of PG I materials. For this review, it has been assumed that the Class 8 materials will be PG I, however, this is conservative, as the mix of corrosive substances will be predominantly PG II & III.