

Environmental Health Officer
109 Broome St
Cottesloe WA 6911

18th May 2006

Dear

Re : Licencing biodiesel manufacturing facility with the ATO

Plans

Please find attached a plan of the manufacturing facility showing the location of the processor and storage.

Dangerous Goods

I plan to operate below the licensing limits for my biodiesel plant.

The limits are discerned from:

From:

Australian Standard AS1940:2004 "The storage and handling of flammable and combustable liquids" page 20 Section 2 "Miinor Storage".

Methanol (Class 3, PG II material, Storage factor 2) limit on its own is 100 litres for shed separated from other buildings and boundary by 1 m space. 250 litres if 3 m separation.

Biodiesel (Combustable liquids in bulk, Storage factor 0.2) limit on its own is 500 litres for shed separated from other buildings and boundary by 1 m space.

Cooking oil (Combustable liquids in bulk, Storage factor 0.2) limit on its own is 500 litres for shed separated from other buildings and boundary by 1 m space.

KOH (Class 8, PG II, Storage factor 2) limit on its own is 100 kg.

From:

Department of Consumer and Employment Protection (DOCEP), Government of Western Australia, Dangerous Goods Safety: Guidance note S301 Rev 12, "Storage of Dangerous Goods Licensing Exemptions", 9/02/2006.

Department of Industry and Resources (DOIR), Government of Western Australia, Dangerous Goods Safety: Guidance note S305 Rev 3, "Storage of Dangerous Goods – General Requirements for Exempt Licensing", 13/03/2003.

Exemption from licensing limits

Methanol (Class 3, PG II material, Factor 2) limit on its own is 500 litres for shed separated from other buildings and boundary by 1 m space.

Biodiesel (Combustable liquids in bulk, Storage factor 0.2) limit on its own is 5,000 litres for shed separated from other buildings and boundary by 1 m space.

Cooking oil (Combustable liquids in bulk, Storage factor 0.2) limit on its own is 5,000 litres for shed separated from other buildings and boundary by 1 m space.

KOH (Solid, Class 8, PG II, Storage factor 2) limit on its own is 500 kg.

My case

If the total storage factor is < 1000 then the minor store is exempt from licensing as a dangerous goods store. I will be storing amounts of materials well below the exempt limit.

Substance	DG classification	Factor	Amount (litres/kg)	Individual storage factors
Methanol	2 x 20 litre	2	40	80
Biodiesel	2 x 200 litre	0.2	400	80
Cooking oil	2 x 200 litre	0.2	400	80
KOH	1 x 25 kg bag	2	25	25
Total storage factor				265

Storage Factor = 265 < 1000 therefore well below the exempt storage limit.

Name

Address1

Address2

Address3

Phone

<http://www.sustainability.fm.uwa.edu.au>

References

Department of Consumer and Employment Protection (DOCEP), Government of Western Australia, Dangerous Goods Safety: Guidance note S301 Rev 12, "Storage of Dangerous Goods Licensing Exemptions", 9/02/2006.

Department of Industry and Resources (DOIR), Government of Western Australia, Dangerous Goods Safety: Guidance note S305 Rev 3, "Storage of Dangerous Goods – General Requirements for Exempt Licensing", 13/03/2003.

Australian Standard AS1940:2004 "The storage and handling of flammable and combustible liquids" page 20 Section 2 "Minor Storage".

Australian Dangerous Goods Code 6, Vol 2 Technical Appendices