

Application for Approval for Reduced Separation Distance or Variation of Other Matters

This application is made in accordance with Schedule 10 Clause 33 Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 (as amended).

Applicant Details <i>(name that will be recorded in register)</i>			
Applicant's Name	<input type="text"/>	Phone Number(s)	<input type="text"/>
Contact Name	<input type="text"/>	Facsimile Number	<input type="text"/>
Postal Address	<input type="text"/>		

<p>1. Location of premises:</p> <input type="text"/>
<p>2. Description of premises:</p> <input type="text"/>
<p>3. Provide hazardous substance location details including the quantity and location of the relevant hazardous substance, and any other hazardous substances located at the premises:</p> <input type="text"/>
<p>4. The capacity of any fire fighting facilities:</p> <input type="text"/>

5. Provide a statement and supply evidence (drawings, photos) as to why the reduced separation distance is warranted:

6. The fire-resistance rating of any structure (for example, walls, floors, ceilings, and doors) that contain or are adjacent to the hazardous substance:

7. In the case of an above ground tank, whether the design and construction of the tank will protect the tank from fire:

8. Provide details on nature of adjacent facilities:

9. Provide details as to whether a test certifier has reviewed the facility and if so provide a report from the test certifier:

10. Provide relevant supporting detail (including photographs) that will assist the decision making for the application:

Application Costs:

There is an application fee of \$300 plus GST which is to accompany the application. Additional time is to be charged at \$100 plus GST per hour and actual costs for external experts will be charged.

Date application received

Date application fee received

Guidance for an Application for Reduced Separation Distance or Variation of Other Matters – Flammable Gases and Flammable Liquids

The storage of flammable gases and aerosols (hazard classification 2.1) and flammable liquids (hazard classification 3.1) is required to comply with the minimum separation distances and other specific requirements (such as the type of building that they must be stored in) that are prescribed in the HSNO legislation. These separation distances and building types are specified in Schedule 10 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004.

In specific circumstances where it is not possible to comply with these requirements, it is possible to make an application for a reduced separation distance or variation of other matters. It is stressed that a sound reason for requiring a reduced separation distance or variation must be provided – meeting the criteria for a reduced separation distance does not in itself provide sufficient reason for approval.

An application of this nature is made under Schedule 10 clause 33 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004. This clause allows for two distinct applications:

- An application in which the amount of the reduction sought is 50% or less of the specified separation distance (sub clause 33(2)) (i.e. the remaining separation distance is still 50% or greater than that specified); or
- An application in which the amount of reduction sought is more than 50% of the specified separation distance (i.e. the remaining separation distance is less than 50% of that specified), or an application for a variation of other matters (sub clause 33(3)).

An application of this nature will be assessed using the criteria attached below. Hence, when making an application it is important that all of the criteria that are applicable to the particular application are addressed. If there are criteria that are not addressed the application will not be able to be completed.

It is stressed that an application for a reduced separation distance or an application for a variation of other matters is an application to vary the specified requirements. Hence the application is required to be supported with sound reasons, including an explanation as to why it is necessary to vary these specified requirements.

Supporting information to be provided with an application for the approval of reduced separation distances or an application for variation of other matters

As this information will be used to assess the application, it should be as comprehensive as possible. Also attach detailed plans and photographs.

Information	Comments
1. Have the requirements of clause 33(2) been met?	
2. Is the application for: <ul style="list-style-type: none"> • a stationary tank containing LPG? • cylinders of LPG > 100 kg? • a stationary tank containing any other substance? • a building? • other? 	
3. What form of container is included in the application?	
4. What are the quantities and locations of other hazardous substances located at the site?	
5. Has a site plan been provided?	
6. Have photos been provided?	
7. Is the application for: <ul style="list-style-type: none"> • a reduction in separation distance? <ul style="list-style-type: none"> ○ What is the percentage reduction in separation distance? ○ How many sides of the structure is the reduced separation being sought on? • a variation of other matters not listed above? <ul style="list-style-type: none"> ○ variation in the roof type? ○ variation of building construction? ○ other? 	
8. What are the reasons for the application?	
9. Have the requirements of an industry recognised code/standard such as AS/NZS 1596 or AS 1940 been met?	

<p>10. Has the location in its present form been previously approved under the Dangerous Goods Act 1974, the HSNO Act 1996 or the Toxic Substances Act 1979?</p>	
<p>11. Have the adjoining occupancies been identified and determined as:</p> <ul style="list-style-type: none"> • areas of high intensity land use? • areas of low intensity land use? 	
<p>12. Has consent (in the form of an agreement or covenant) been received from the neighbour if the controlled zone extends over the property boundary?</p>	
<p>13. Are all other HSNO regulatory requirements related to the application being complied with?</p>	
<p>14. Where there are adjoining roads or car parks, are these:</p> <ul style="list-style-type: none"> • areas of high intensity land use? • areas of low intensity land use? 	
<p>Mitigating Measures</p>	
<p>15. Are the neighbouring properties and adjacent onsite facilities protected from fire?</p>	
<p>16. Where the application relates to a building, do the mitigating measures include:</p> <ul style="list-style-type: none"> • fire cells/internal separation • hazardous substances split into smaller quantities • parapet wall at least 0.5m above the building line • intervening walls • fire protection <ul style="list-style-type: none"> – water sprinklers (specify standard) – foam sprinklers (specify standard) – other (specify standard) • internal separation distance from the storage location to the building perimeter • the provision of ventilation <ul style="list-style-type: none"> – natural – mechanical • fire resistant walls along portions of the building perimeter 	

<p>17. Where the application relates to a building:</p> <ul style="list-style-type: none"> • Is the building <ul style="list-style-type: none"> – single story? – multi story? • Is the building isolated, i.e. no connected buildings? • Are doors and windows fire resistance rated? • Are fire exits fire resistance rated? 	
<p>18. Where there is an intervening wall to an area of high intensity land use, is the intervening wall constructed with:</p> <ul style="list-style-type: none"> • 200mm infilled and reinforced concrete block; or • 200mm reinforced concrete; or • alternative construction that is verified as having a 240/240/240 fire resistance rating? <p>Where there is an intervening wall to an area of low intensity land use, is the wall constructed of fire resistant material?</p>	
<p>19. Where there is an intervening wall, is the wall vapour tight?</p>	
<p>20. For LPG stationary tanks, where there is an intervening wall:</p> <ul style="list-style-type: none"> • Is the intervening wall at least 0.6m higher than the top of the stationary tank? • Is the intervening wall at least one tank diameter from the stationary tank? 	
<p>21. For LPG cylinders, where there is an intervening wall:</p> <ul style="list-style-type: none"> • is the intervening wall above the top of the cylinders? 	
<p>22. For Class 3.1 flammable liquid stationary tanks, where there is an intervening wall:</p> <ul style="list-style-type: none"> • Is the intervening wall at least 0.6m higher than the top of the stationary tank? • Is the intervening wall at least one tank diameter from the stationary tank? 	
<p>23. Where the wall of a neighbouring building is used as the intervening wall, has consent (in the form of an agreement or covenant) been established with the neighbour in accordance with clause 32?</p>	
<p>24. Where the building is a warehouse equipped with sprinklers, are they:</p> <ul style="list-style-type: none"> • foam assisted (specify standard) • in rack (specify standard) • other (specify standard) 	

25. Other mitigation measures not included above.	
---	--

Examples of mitigation measures

Circumstance	Mitigation Measure
Type C or Type D Building but with one or two non-complying walls.	The separation for the areas outside the non-complying walls meets the separation requirements for walls of that construction type. This includes being radiused out from the corners. If the latter cannot be met, the Type C or Type D construction continues down the non-complying wall to sufficient length to enable this criterion to be met.
Type C or Type D building with a door that has a fire resistance rating less than that of the structure.	Area about the door complies with AS 1940 clause 4.4.4.2
Type D building with Type C roof located with Type D separation distances.	Boundary walls extended as a parapet wall at least 0.5m high and storage areas equipped with automatic foam sprinklers installed in rack.
Type C building with quantity in excess of the quantity permitted for the separation distance available.	Building with parapet external walls. Building divided into fire cells separated by a wall complying with 240/240/240 FRR. Automatic fire alarm.
Type C building with the stored quantity in excess of the quantity permitted for the separation distance available.	Walls constructed with parapet external walls. Buildings fitted with automatic foam sprinklers fitted in rack.

Note: These are examples only and it is not intended to infer that an application encompassing one of these types will be approved. Each application will be reviewed on an individual basis.