



Commercial fuel installations and pump maintenance  
Facilities and plant engineering  
Dangerous Goods storage consultants

**Petrolink Pty Ltd**  
ABN 35 603 462 002  
25 Peachtree Road, Parrith NSW 3750  
Ph: 02 4722 9775  
Fax: 02 4722 9774  
E-mail: petrolink@p14.com.au

12/5/05  
Store-Safe Pty Ltd.  
71-73 Lords Road,  
Leichhardt, NSW 2040  
By Fax: (02) 9568 3313

**Re: - Portable Gas-Cage Design and Construction Compliance Review**

Dear Grant,

Thankyou for choosing Petrolink to conduct a compliance review of Store-Safes 'portable gas cage' as always it has been a pleasure working with you.

This design and construction audit-report relates only to the Store-Safe 'Portable Gas-Cage'. The primary purpose of the 'Portable Gas-Cage' is for the storage of gases in cylinders, including aerosols cans. The report is based on the criteria and requirements of Australian Standards AS4332-1995 Gases in Cylinders, AS5601-2004 Gas Installation, AS1170-2002 Structural Design.

Please note that for the cage to comply with all relevant Australian Standards, items addressed in the report must be complied with.

If I can be of any further assistance please do not hesitate to contact me on 0427 229 779.

Yours faithfully,

Paul Turner  
Dangerous Goods Consultant

Petrolink Pty Ltd - Facilities and Plant Engineering -- Dangerous Goods Consultants



Commercial fuel installations and pump maintenance  
facilities and plant engineering  
Dangerous Goods storage consultants

**Petrolink Pty Ltd**  
ABN 35 605 864 077

22 Peckham Road, Penrith NSW 2750  
Ph: 02 4722 9779  
Fax: 02 4722 9774  
Email: petrolink@petrolink.com.au

## **Store-Safe 'Portable Gas-Cage'; Design and Construction Specification**

### **Design and construction:**

- The 'Portable Gas-Cage' shall comply with Australian Standards
  - AS4332-1995 Gases in Cylinders,
  - AS5601-2004 Gas Installation,
  - AS1170-2002 Structural Design
- The cage shall be free standing
- The walls of the cage shall be made of wire mesh, with at least 50% of its area open to the atmosphere
- The base, walls and roof shall be made from non-combustible material
- Natural ventilation for the portable gas-cage is more than adequate; and negates the need for mechanical ventilation
- The cylinders must be kept in a manner such that they are secured against falling
- The cylinders must be kept in a manner such that they are protected against impact damage
- A cylinder shall be installed upright with the valve uppermost.
- A cylinder compartment shall be designed to; house cylinders and their associated equipment only;

### **Placarding:**

- The following signs must be made available on or at close proximity to the Portable Gas-cage
  - Danger – No Smoking, No ignition source
  - Warning – Restricted Area, Authorised Personnel only
  - Smoking Prohibited
  - PPE must be worn when handling cylinders

### **Segregation**

- Gases of class 2.1, 2.3, 2.2 sub-risk 5.1 shall be segregated from gases of other classes

### **Precautions**

- Do not locate in direct sunlight
- Do not store cage on combustible material
- Control of entry so as to prohibit unauthorised personnel from gaining access

Petrolink Pty Ltd - Facilities and Plant Engineering – Dangerous Goods Consultants