

EXPLOSIVES STORAGE HIF AUDIT PART1 SURFACE - 17/06/2003 02:13:50 PM**1. MAGAZINE CONSTRUCTION - SURFACE MAGAZINES**

Point	Standard	Standard Met	Comments
1.1	Approved design: Chief Inspector of Explosives		
1.2	Magazine of greater than 250kg capacity is licensed by Chief Inspector of Explosives		
1.3	The magazine is located at least 50 metres away from any entrance to any underground mine.		
1.4	False roof in place to protect magazine from heat when used north of 25th parallel.		
1.5	Air vents in place with weather protection.		
1.6	The magazine is lined with close jointed timber without exposed steel or iron surfaces.		
1.7	Mortice deadlock locking mechanism or close shackle padlock with secure fitting.		
1.8	Metal external surfaces to be electrically bonded to at least two down conductors within 15 metres of each other.		
1.9	Earthing of less than 10 Ohm checked and recorded by an electrician.		
1.10	Metal fences are electrically bonded.		
1.11	Where required by the magazine licence lighting protection with conductor finials to provide a 45o zone of protection are provided		
1.12	There is no electrical wiring inside unless it has been approved by Chief Inspection of Explosives.		
1.13	There is no combustible or flammable material within 8 metres of the magazine.		
1.14	The magazine is located at least the prescribed distance from any protected works installation or facility.		
1.15	Explosives magazine is in excess of 10 m from any detonator magazine.		

2. SIGNAGE AND EMERGENCY EQUIPMENT - SURFACE MAGAZINES

Point	Standard	Standard Met	Comments
2.1	Prominent ' EXPLOSIVES' sign displayed on magazine.		
2.2	Licence number prominently displayed.		
2.3	Magazine rules are posted inside the magazine.		
2.4	' NO SMOKING' sign prominently displayed.		
2.5	Fire Extinguishers are posted at the magazine access.		
2.6	Manufacturers name and date of manufacture displayed on relocatable magazines.		

3. STOCK CONTROL - SURFACE MAGAZINES

Point	Standard	Standard Met	Comments
3.1	A responsible person has been appointed to control the magazine.		
3.2	The appointment is recorded in the record book.		
3.3	The keys are kept by the appointed person.		
3.4	The appointed person keeps records of incoming and outgoing stocks.		
3.5	There is a system in place to rotate stocks.		
3.6	Stock delivered is promptly secured in the magazine.		
3.7	Stock levels are within the licence limits.		

4. HOUSEKEEPING - SURFACE MAGAZINES

Point	Standard	Standard Met	Comments
4.1	A broom and doormat is available in the magazines to clean up.		
4.2	No spilt material is left in the magazine		
4.3	The magazine floor is clean and dry.		
4.4	Explosives are safely stacked to a height no greater than 2 metres.		
4.5	Air gaps are maintained between explosives and the magazine walls.		
4.6	No additional unauthorised materials are stored in the magazine.		
4.7	No explosives are stored loose in the magazine.		
4.8	Incompatible explosive products are not stored adjacent to each other.		
4.9	Cladding, vent shrouds and vent gauges are in good condition.		
4.10	Mounding around the magazines is in a good condition where it is a licence requirement.		

5. PROCEDURES - SURFACE MAGAZINES

Point	Standard	Standard Met	Comments
5.1	There is a procedure in place to maintain the magazine installation.		
5.2	No maintenance involving hot work occurs until the magazine is empty and thoroughly cleaned.		
5.3	There is a procedure in place to secure and evacuate the magazine during lightning storms.		
5.4	There is an emergency procedure in place to deal with fire at or near the magazine.		

5.5	There is a procedure for the disposal of old or damaged explosives.		
5.6	Magazine is kept locked except when stock movement or other authorised activities are occurring.		