



CRITERIA FOR INSPECTION

LOCATION

- Critical**
- The location of the magazine must be such that it would not jeopardize public safety or worker safety, does it satisfy Quantity-Distance Requirements.
 - The magazine must not be located too close to flammable storage, hydro transmission lines, microwave towers, buried gas pipelines, etc.
 - Is it located as described in the licence?
- Major**
- Can the condition of the ground affect the integrity of the magazine (e.g., swamp, flooding)?
 - Are "Explosives" signs posted in a proper location?

CONDITION OF THE GROUND

- Critical**
- Do the actual firebreaks agree with the description in the licence?

CONDITION OF THE STRUCTURE

The integrity of the structure is judged in this section and includes criteria needed to reduce the consequences of an explosion, to protect from bullets, and to secure the contents. The condition of the structure will include many of the following:

- Critical**
- Is the construction of the magazine as specified in Form 10? Does it meet the standard?
 - Is the structure sound and will it meet its intended purpose?
 - Are there damaged or detached walls?
 - Are the walls able to retain the crushed stone?
 - Is the height of the walls at least 15 cm above the height of stock?
 - Is there a possibility of uncontrolled access to the interior? Does the magazine seem sound and secure?
- Major**
- Can rust, peeling paint or other signs of poor maintenance lead to damage to the integrity of the structure?
 - Are the special instruction sheets posted?
- Minor**
- Are there rust, peeling paint, protruding nails or other signs of poor maintenance?

SECURITY REQUIREMENTS

Most security requirements are linked to the construction of the magazine. There are currently two standards for the construction of magazines: the existing one applicable to magazines in place, and the new one applicable to magazines being built as of May 31, 2001. It is not possible to concisely list all requirements, some of which may be different in each standard, and the reader is directed to the standard in question. However, some areas of concern are:

- Critical**
- Will the security precautions and hardware (e.g., locks, keys control and keys, door structure, access, fencing) fulfil their intention?
 - Does the magazine have integrity (see above under Condition of the Structure)?
 - Is the magazine locked?
- Major**
- Does protection prevent entry by any unauthorized person?
 - Does the door or cover fit with the frame and are the spaces between the door/cover and frame as specified in the standard?
 - Is the lock an approved type (see Lock List)?
 - The door must not protrude from the doorframe.
 - A door stop must be present on the doorframe to prevent the door from being pushed in (welded at alternative points).
 - The hood must be spot welded to come off easily if someone tries to use the hood as a pulling point.
 - There must not be anything on the door that allows someone to loop a chain and pull the door off (e.g., eye bolts).
 - Are other security arrangements (fencing, guards) acceptable?

HOUSEKEEPING

The interior of a magazine should be clean and orderly. Loose explosives are dangerous; grit and sand can make explosives more sensitive. Proper stacking and placement of explosives make control of quantity and inventory easier.

- Critical**
- Are explosives stacked above the stacking line?
 - The general appearance of the interior is judged (this has a critical component under Condition of Explosives):
 - Unacceptable (loose explosive composition, loose packaged cartridges)
 - Needs improvement (dirt and the like)
- Major**
- Are the metal surfaces painted?
 - Are the ventilators obstructed?
- Minor**
- Is a copy of the licensed portion and special rules posted inside the magazine?
 - Are there furring strips on the walls or a 5-cm-wide baseboard to prevent stacking next to walls or ventilators (exception: Types 6 and 9)?
 - Is the stacking line visible and 15 cm below the height of bullet-resistant materials (exception: Types 6 and 9)?
 - Have brooms, mats and dust pans been provided to help keep the floor and platform clean?

CONDITION OF EXPLOSIVES

This section refers to the condition and appearance of the explosive and includes both safety and explosives accountability requirements.

- Critical**
- Is the magazine below the licence explosive limits?
 - Are the explosives compatible (no detonators stored with blasting explosives)?
 - Is any of the explosive packaging damaged?
 - Unacceptable (cases falling apart, cases soggy and damaged)
 - Needs improvement (cases becoming affected)
- Major**
- Are there any explosives out of their original packaging?
 - Is there an accurate inventory control record and backup?
 - For vendors, is there an accurate sales record?
 - Are ownership markings present on all cases?
- Minor**
- Are items from opened cases marked with licence number (detonator cord reels, boxes of detonators, etc.)?

ELECTRICALS

- Critical**
- The electrical entries and overhead transmission lines must stop at least 15 m from the magazine and proceed by an underground entrance.
 - A grounding rod is required at the last pole before the underground line.
 - No solar panels or signal antennae can be on the magazine.
- Major**
- If phones, intrusion alarms or lights are provided, ensure electrical rating is CEMA 4X or higher.

OTHER

- Critical**
- Are all of the conditions imposed by the inspector respected?
- Major**
- Is the licence or a copy thereof available at the magazine site?
 - For Zone Licences, is the current Change of Location Form attached to the licence and has the record been sent in?