**Alberta Fire Code 2006**

### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
<th>Attribution - functional statement/objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1.1.1.(1)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

#### CodeText

1) This Part applies to processes and operations that involve a risk from explosion, high flammability or related conditions that create a hazard to life safety.

#### Application

A1. Processes and operations that involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings.

#### Intent

I1. To state the application of Part 5.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

1) Except as required by Section 5.7., the manufacturing, handling, transportation, sale and use of Class 1 dangerous goods shall be in conformance with the “Explosives Act” and its Regulations, published by Natural Resources Canada.

Exception:

A1. Manufacturing, handling, transportation, sale and use of Class 1 dangerous goods, inside and outside of buildings.

Intent

I1. To limit the probability that Class 1 dangerous goods will lead to or be involved in a fire or explosion, which could lead to harm to persons, including emergency responders.
Application and intent of Division B provisions

CodeReference (including record number)  5.1.2.1.(1)-01
Attribution - functional statement/objective  F01-OS1.1

CodeText
1) Where wiring or electrical equipment is located in areas in which flammable gases or vapours, combustible dusts or combustible fibres are present in quantities sufficient to create a hazard, such wiring and electrical equipment shall conform to electrical regulations made pursuant to the Safety Codes Act. (See Appendix A.)

Application
A1. Wiring and electrical equipment located in areas in which flammable gases or vapours, combustible dust or combustible fibres are present in sufficient quantities to create a fire or explosion hazard, inside and outside of buildings.

Intent
I1. To limit the probability that electrical equipment will ignite gases or vapours, combustible dusts or combustible fibres, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.1.2.2.(1)-01
Attribution - functional statement/objective  FO1-OS1.1

CodeText

1) Electrical installations shall conform to electrical regulations made pursuant to the Safety Codes Act.

Application

A1. Electrical installations located in areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings.

Intent

I1. To limit the probability that electrical installations will lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.1.3.1.(1)-01
**Attribution - functional statement/objective** F01-OS1.1

**CodeText**
1) Ventilation shall be provided for hazardous locations and processes in conformance with the Alberta Building Code 2006 and with this Part.

**Application**
A1. Ventilation in areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside buildings.

**Intent**
I1. To limit the probability that the accumulation of flammable vapours or gases, combustible dusts or combustible fibres to ignitable concentrations in areas where they can be in the presence of ignition sources will lead to a fire or explosion, which could lead to harm to persons.

Application and intent of Division B provisions

Application

Not applicable

CodeReference (including record number) 5.1.4.1.(1)-01
Attribution - functional statement/objective Not applicable

CodeText

1) The flash points of flammable liquids and combustible liquids shall be determined in conformance with Subsection 4.1.3.

Application

A1. Determination of flash points of flammable liquids and combustible liquids in areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings.

Intent

I1. To direct Alberta Fire Code 2006 users to Subsection 4.1.3.
Application and intent of Division B provisions

Application
1) Except as provided in Sentences (2) and (3), a fire safety plan conforming to Section 2.8. shall be prepared for areas where processes and operations described in Article 5.1.1.1. take place.

Intent
II. To state the application of Section 2.8., and Sentences 5.1.5.1.(2) and 5.1.5.1.(3).
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

2) In addition to the information required in Section 2.8., the fire safety plan shall include
a) the location and identification of storage and use areas for specific products, in conformance with
Article 3.2.2.5., and
b) the names, addresses and telephone numbers of persons to be contacted in case of fire during
non-operating hours.

Intent

I1. To limit the probability that delays or ineffectiveness in conducting firefighting operations will lead
to the spread of fire beyond the point of origin, which could lead to harm to persons, including
emergency responders.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.1.5.1.(2)-02
Attribution - functional statement/objective Not applicable

CodeText
2) In addition to the information required in Section 2.8., the fire safety plan shall include
a) the location and identification of storage and use areas for specific products, in conformance with Article 3.2.2.5., and
b) the names, addresses and telephone numbers of persons to be contacted in case of fire during non-operating hours.

Application
A1. Location and identification of storage and use areas for specific products, in fire safety plans for areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside buildings.

Intent
I1. To direct Alberta Fire Code 2006 users to Article 3.2.2.5.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
<th>Attribution - functional statement/objective</th>
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</thead>
<tbody>
<tr>
<td>5.1.5.1.(3)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

#### CodeText

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3) In addition to the information required in Sentence (2), where Class 7 radioactive materials are used or handled, the fire safety plan shall include the information specified in Subsection 3.1.2.</td>
<td></td>
</tr>
</tbody>
</table>

#### Application

A1. Information in fire safety plan for areas in which Class 7 radioactive materials are used or handled, in areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings.

#### Intent

I1. To expand the application of Sentence 3.1.2.6.(2) to areas where radioactive materials are used or handled, as opposed to areas where they are stored as covered in Part 3.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.1.5.1.(4)-01
Attribution - functional statement/objective Not applicable

CodeText
4) Personnel shall be instructed in the fire emergency procedures described in the fire safety plan in
Sentences (1), (2) and (3) before they are given any responsibility for fire safety.

Application
A1. Instruction of personnel in fire safety procedures of the fire safety plan before assigning
responsibility for fire safety.
This applies to
- fire safety plans for areas where processes and operations involve a risk from explosion, high
flammability or related conditions, which create a hazard to life safety, inside and outside of
buildings,
- identification of persons to be contacted in case of fire during non-operating hours, in fire safety
plans for areas where processes and operations involve a risk from explosion, high flammability
or related conditions, which create a hazard to life safety, inside and outside of buildings, and
- fire safety plans for areas within which Class 7 radioactive materials are used or handled, in areas
where processes and operations involve a risk from explosion, high flammability or related
conditions, which create a hazard to life safety, inside and outside of buildings.

Intent
I1. To clarify that personnel must be given instruction concerning the fire emergency procedures in
the fire safety plan before they can be given responsibility for fire safety.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Acceptability of fire safety plan to the authority having jurisdiction.

A2. Retention on site of fire safety plan for fire department inspection and for reference by on-site personnel.

This applies to:
- fire safety plans for areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings,
- identification of persons to be contacted in case of fire during non-operating hours, in fire safety plans for areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings, and
- fire safety plans for areas within which Class 7 radioactive materials are used or handled, in areas where processes and operations involve a risk from explosion, high flammability or related conditions, which create a hazard to life safety, inside and outside of buildings.

Intent

I1. To clarify that the fire safety plan must be acceptable to the fire department and that the fire safety plan must be available on site for reference by the fire department and by on-site persons.
### CodeReference
- 5.2.1.1.(1)-01

### Attribution - functional statement/objective
- Not applicable

### CodeText

1) This Section shall apply to hot works involving open flames or producing heat or sparks, including, without being limited to, cutting, welding, soldering, brazing, grinding, adhesive bonding, thermal spraying and thawing pipes.

### Application

A1. Hot works involving open flames or producing heat or sparks [including, without being limited to, cutting, welding, soldering, brazing, grinding, adhesive bonding, thermal spraying and thawing pipes], inside and outside of buildings.

### Intent

I1. To state the application of Section 5.2.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.2.1.1.(2)-01
Attribution - functional statement/objective  F01-OS1.1

CodeText

2) Except as provided in this Section, hot works described in Sentence (1) shall conform to CAN/CSA-W117.2, “Safety in Welding, Cutting and Allied Processes.”

Application

A1. Hot works involving open flames or producing heat or sparks, inside and outside of buildings.

Exception: except as stated elsewhere in the requirements of Section 5.2.

Intent

I1. To limit the probability that performing hot works or the use of hot work equipment will ignite combustible materials, vapours, gases, dusts, fibres, etc., which could lead to a fire or explosion, which could lead to harm to persons.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
<th>Attribution - functional statement/objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2.1.1.(2)-02</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### CodeText

2) Except as provided in this Section, hot works described in Sentence (1) shall conform to CAN/CSA-W117.2, “Safety in Welding, Cutting and Allied Processes.”

### Application

A1. Applicable requirements of Section 5.2, for hot works involving open flames or producing heat or sparks, inside and outside of buildings.

### Intent

I1. To clarify that the requirements in Section 5.2. supersede those prescribed in CAN/CSA-W117.2 in case of conflict.
<table>
<thead>
<tr>
<th>CodeReference</th>
<th>Attribution - functional statement/objective</th>
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</thead>
<tbody>
<tr>
<td>5.2.1.2.(1)-01</td>
<td>F81-OS1.1</td>
</tr>
</tbody>
</table>

**CodeText**

1) Hot works shall be performed only by personnel trained in the safe use of equipment in conformance with this Section.

**Application**

A1. Training of personnel authorized to perform hot works involving open flames or producing heat or sparks, inside and outside of buildings.

**Intent**

I1. To limit the probability that the use of hot work equipment in an unsafe manner will lead to a fire or explosion, which could lead to harm to persons.
Alberta Fire Code 2006
Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
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</thead>
<tbody>
<tr>
<td>5.2.2.1.(1)-01</td>
<td>F82-OS1.1</td>
</tr>
</tbody>
</table>

**CodeText**

1) Hot work equipment shall be maintained in good operating condition.

**Application**

A1. Maintenance of equipment for hot works involving open flames or producing heat or sparks, inside and outside of buildings.

**Intent**

I1. To limit the probability that inadequate maintenance of hot work equipment will lead to a fire or explosion, which could lead to harm to persons.
1) Hot work equipment shall be examined for leakage or defects prior to each use.

Application
A1. Examination, prior to use, of equipment for hot works involving open flames or producing heat or sparks, inside and outside of buildings.

Intent
I1. To limit the probability that leakage or defects in hot work equipment while in use will lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

2) Leaks or defects found in hot work equipment shall be repaired prior to use.

**Intent**

I1. To limit the probability that the use of faulty or defective hot work equipment will lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number)  5.2.2.3.(1)-01
Attribution - functional statement/objective  F43,F01-OS1.1

CodeText

1) All valves shall be closed and gas lines bled when Class 2 gas hot work equipment is not in use.

Application

A1. Closing of valves and bleeding of gas lines, when not in use, of Class 2 equipment for hot works involving open flames or producing heat or sparks, inside and outside of buildings.

Intent

I1. To limit the probability that a release of gases from hot work equipment when it is not in use will lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number)  5.2.2.3.(2)-01
Attribution - functional statement/objective  F01-OS1.1

CodeText
2) Electric hot work equipment shall be de-energized when not in use.

Application
A1. De-energizing, when not in use, of electric equipment for hot works involving open flames or producing heat or sparks, inside and outside of buildings.

Intent
I1. To limit the probability that energized hot work equipment will ignite materials when it is not in use, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.2.2.4.(1)-01
Attribution - functional statement/objective F81,F01-OS1.1

CodeText


Application

A1. Design and installation of oxygen-fuel gas hot work equipment and processes involving open flames or producing heat or sparks, inside and outside of buildings.

Intent

I1. To limit the probability that hot work equipment and processes will lead to fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference: 5.2.2.4.(2)-01
Attribution - functional statement/objective: F01-OS1.1

CodeText
2) Unalloyed copper piping shall not be used for acetylene gas.

Application
A1. Use of unalloyed copper for acetylene gas piping in hot works involving open flames or producing heat or sparks, inside and outside of buildings.

Intent
I1. To limit the probability that a chemical reaction between unalloyed copper and acetylene will lead to the formation of metallic acetylides, which can be extremely shock-sensitive and explosive, which could lead to an explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference (including record number)** 5.2.2.4.(3)-01

**Attribution - functional statement/objective** F01-OS1.1

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**CodeText**

3) Oil or grease shall not be used with equipment for oxygen.

**Application**

A1. Use of oil or grease with oxygen equipment in hot works involving open flames or producing heat or sparks, inside and outside of buildings.

**Intent**

I1. To limit the probability that contact of an oxidizer [oxygen] with combustible organic materials [oil or grease] will lead to a fire or explosion, which could lead to harm to persons.
<table>
<thead>
<tr>
<th>CodeText</th>
</tr>
</thead>
<tbody>
<tr>
<td>4) Cylinders of Class 2 gases shall conform to Part 3.</td>
</tr>
</tbody>
</table>

**Application**

A1. Storage, when not in use, of Class 2 gas cylinders associated with hot works involving open flames or producing heat or sparks, inside and outside of buildings.

**Intent**

I1. To direct Alberta Fire Code 2006 users to Part 3 of Division B.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.2.3.1.(1)-01
Attribution - functional statement/objective F01-OS1.1

CodeText

1) Except as provided in Sentence (2), hot work shall be carried out in an area free of combustible and flammable contents, with walls, ceilings and floors of noncombustible construction or lined with noncombustible materials.

Application

A1. Combustible and flammable contents where hot works involving open flames or producing heat or sparks are conducted, inside and outside of buildings:

Exception: except as stated in Sentence 5.2.3.1.(2), which applies when it is not practicable to undertake hot work in an area that is free of combustible and flammable contents and certain safety precautions are taken.

Intent

I1. To limit the probability that hot works will ignite combustible or flammable materials in areas where the hot works are conducted, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Conduction of final inspection of hot work areas four hours after completion of the hot work (involving open flames or producing heat or sparks), inside and outside of buildings, when it is not practicable to undertake hot work in an area described in Sentence 5.2.3.1.(1) (area that is free of combustible and flammable contents).

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

Intent

I1. To limit the probability that hot works will lead to the initiation and spread of fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Conduction of final inspection of hot work areas four hours after completion of the hot work
[involving open flames or producing heat or sparks], inside and outside of buildings, when it is not practicable to undertake hot work in an area described in Sentence 5.2.3.1.(1) [area that is free of combustible and flammable contents].

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

Intent

I1. To limit the probability that hot works will lead to the initiation and spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

A1. Surveillance for fire hazards during hot works involving open flames or producing heat or sparks, and for a period of not less than 60 minutes after the hot works completion, inside and outside of buildings when it is not practicable to undertake hot work in an area described in Sentence 5.2.3.1.

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

Intent

1. To state the application of Article 5.2.3.3.
Application and intent of Division B provisions

Application

Not applicable

Attribution - functional statement/objective

5.2.3.1.(2)-04

Not applicable

CodeReference (including record number)

2. When it is not practicable to undertake hot work in an area described in Sentence (1),

Application

a) combustible and flammable materials within a 15 m distance from the hot work shall be protected against ignition in conformance with Article 5.2.3.2.,

b) a fire watch shall be provided during the hot work and for a period of not less than 60 min after its completion in conformance with Article 5.2.3.3., and

c) a final inspection of the hot work area shall be conducted 4 h after completion of work.

Intent

To state the application of Article 5.2.3.2.
Division B provisions

Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference 5.2.3.1.(3)-01
Attribution - functional statement/objective F01-O51.1

Application

3) When there is a possibility of sparks leaking onto combustible materials in areas adjacent to the area where hot work is carried out, a) openings in walls, floors or ceilings shall be covered or closed to prevent the passage of sparks to such adjacent areas, or b) Sentence (2) shall apply to such adjacent areas.

Intent

I. To limit the probability that hot works will ignite combustible materials in adjacent areas, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Protection of combustible and flammable materials, and surveillance for fire hazards, of areas adjacent to hot work areas, inside and outside of buildings, when there is a possibility of sparks leaking onto combustible materials in areas adjacent to the area where hot work is carried out.

Application

3) When there is a possibility of sparks leaking onto combustible materials in areas adjacent to the area where hot work is carried out,

a) openings in walls, floors or ceilings shall be covered or closed to prevent the passage of sparks to such adjacent areas, or

b) Sentence (2) shall apply to such adjacent areas.

Intent

I1. To expand the application of Sentence 5.2.3.1.(2), and Articles 5.2.3.2. and 5.2.3.3.
A1. Removal or protection of combustible and flammable material, dust or residue located within a 15 m distance from areas in which hot works involving open flames or producing heat or sparks are conducted, inside and outside of buildings.

Exception:
except as stated in
- Sentence 5.2.3.2.(2), which applies to the wetting of materials that cannot be removed, and
- Sentence 5.2.3.1.(1), which applies to hot works carried out in areas free of combustible and flammable contents.

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

I1. To limit the probability that hot works will ignite combustible and flammable material, dust or residue, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number) 5.2.3.2.(2)-01
Attribution - functional statement/objective F01-OS1.1

CodeText
2) Combustible materials or building surfaces that cannot be removed or protected against ignition as required in Sentence (1) shall be thoroughly wetted where hot work is carried out.

Application
A1. Wetting of combustible materials or building surfaces located within a 15 m distance from areas in which hot works involving open flames or producing heat or sparks are conducted, inside and outside of buildings, where it is not practicable to remove or protect the combustibles as required in Sentence 5.2.3.2.(1).

Exception:
except as stated in Sentence 5.2.3.1.(1), which applies to hot works carried out in areas free of combustible and flammable contents.

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

Intent
I1. To limit the probability that hot works will ignite combustible and flammable material, dust or residue, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Interruption and removal of processes or activities creating flammable gases or vapours, combustible dusts or combustible fibres in quantities sufficient to create a fire or explosion hazard shall be interrupted and the hazardous conditions shall be removed before any hot work is carried out.

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

Intent

I1. To limit the probability that a flammable or explosive atmosphere will be ignited, which could lead to harm to persons.
A1. Surveillance for fire hazards within 15 m from hot works [involving open flames or producing heat or sparks], during the hot work and for a period of 60 minutes after its completion, inside and outside of buildings.

Exception: except as stated in Sentence 5.2.3.1.(1), which applies to hot works carried out in areas free of combustible and flammable contents.

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

I1. To limit the probability that hot works will lead to the initiation and spread of fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.2.3.3.(1)-02
Attribution - functional statement/objective F01-OS1.1 and F02-OS1.2

CodeText

1) The exposed areas described in Sentences 5.2.3.1.(2) and (3) shall be examined for ignition of combustible materials by personnel equipped with and trained in the use of fire extinguishing equipment.

Application

A1. Surveillance for fire hazards within 15 m from hot works [involving open flames or producing heat or sparks], during the hot work and for a period of 60 minutes after its completion, inside and outside of buildings:

Exception:

except as stated in Sentence 5.2.3.1.(1), which applies to hot works carried out in areas free of combustible and flammable contents.

A2. This also applies to certain areas adjacent to the area where hot works are conducted, as stated in Clause 5.2.3.1.(3)(b).

Intent

I1. To limit the probability that hot works will lead to the initiation and spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Restriction on the performance of hot works involving open flames or producing heat or sparks, inside and outside of buildings, and conducted on containers, equipment or piping containing flammable liquids, combustible liquids or Class 2.1 flammable gases.

Exception:
- when containers, equipment or piping have been cleaned and tested with a gas detector to ascertain that they are free of explosive vapours, or
- where safety measures have been taken in conformance with good engineering practice (see Appendix A).

Application

A1. Restriction on the performance of hot works involving open flames or producing heat or sparks, inside and outside of buildings, and conducted on containers, equipment or piping containing flammable liquids, combustible liquids or Class 2.1 flammable gases.

Exception:
- when containers, equipment or piping have been cleaned and tested with a gas detector to ascertain that they are free of explosive vapours, or
- where safety measures have been taken in conformance with good engineering practice.

Intent

I1. To limit the probability that flammable vapours or gases will be ignited, which could lead to harm to persons.
### Application and intent of Division B provisions

**Alberta Fire Code 2006**

| CodeReference (including record number) | 5.2.3.4.(1)-02 |
| Attribution - functional statement/objective | Not applicable |

**CodeText**

1) Hot work shall not be performed on containers, equipment, or piping containing *flammable liquids*, *combustible liquids* or Class 2.1 flammable gases unless

- a) they have been cleaned and tested with a gas detector to ascertain that they are free of explosive vapours, or
- b) safety measures are taken in conformance with good engineering practice (see Appendix A).

**Application**

A1. Hot works involving open flames or producing heat or sparks, inside and outside of buildings, and conducted on containers, equipment or piping containing *flammable liquids*, *combustible liquids* or Class 2.1 flammable gases involving situations in which

- containers, equipment or piping have been cleaned and tested with a gas detector to ascertain that they are free of explosive vapours, or
- safety measures have been taken in conformance with good engineering practice.

**Intent**

I1. To exempt certain situations where hazardous conditions have been eliminated from the prohibition to conduct hot works.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.2.3.4.(2)-01
Attribution - functional statement/objective F81,F20-OS3.1

CodeText

2) Hot work shall not be performed on a totally enclosed container.

Application

A1. Hot works involving open flames or producing heat or sparks conducted on enclosed containers, inside and outside of buildings.

Intent

I1. To limit the probability that increased temperature caused by hot works will lead to overpressurization of a container, which could lead to rupture of the container, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Hot works involving open flames or producing heat or sparks conducted on metal objects that are in contact with combustible materials inside and outside of buildings.

Exception: except where safety precautions are taken to prevent their ignition by conduction.

CodeText

3) Hot work shall not be performed on metal objects that are in contact with combustible materials unless safety precautions are taken to prevent their ignition by conduction.

Intent

I1. To limit the probability that heat from hot works that conducts through metal objects to combustible materials will ignite the combustible materials, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.2.3.4.(3)-02

**Attribution - functional statement/objective** Not applicable

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**CodeText**

3) Hot work shall not be performed on metal objects that are in contact with combustible materials unless safety precautions are taken to prevent their ignition by conduction.

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**Application**

A1. Hot works involving open flames or producing heat or sparks conducted on metal objects that are in contact with combustible materials, where safety precautions are taken to prevent their ignition by conduction, inside and outside of buildings.

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**Intent**

I1. To exempt hot works where safety precautions are taken to prevent ignition of combustible materials by conduction, from the prohibition to perform hot works.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Thermal barrier protection of hot works involving open flames or producing heat or sparks conducted near piping containing Class 2.1 flammable gases, inside and outside of buildings.

Exception: except as stated in Clause 5.2.3.5.(1)(a), which applies when explosive vapours have been eliminated.

Application

A1. Thermal barrier protection of hot works involving open flames or producing heat or sparks conducted near piping containing Class 2.1 flammable gases, inside and outside of buildings.

Exception: except as stated in Clause 5.2.3.5.(1)(a), which applies when explosive vapours have been eliminated.

Intent

11. To limit the probability that hot works will cause overpressurization of piping or heat gases to their ignition point, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.2.3.5.(1)-02
Attribution - functional statement/objective Not applicable

CodeText

1) When hot work is to be carried out near piping containing a Class 2.1 flammable gas, the piping shall
a) conform to Sentence 5.2.3.4.(1), or
b) be protected by a thermal barrier against the passage of heat.

Application

A1. Hot works involving open flames or producing heat or sparks conducted near piping containing
Class 2.1 flammable gases, inside and outside of buildings.

Exception:
except as stated in Clause 5.2.3.5.(1)(b), which applies when a thermal barrier is provided.

Intent

I1. To expand the application of Sentence 5.2.3.4.(1).
Application and intent of Division B provisions

Application

A1. Portable extinguishers in areas where hot works involving open flames or producing heat or sparks are conducted, inside and outside of buildings.

Intent

I1. To limit the probability of delays or ineffectiveness in locating and using extinguishers in a fire emergency, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Fire safety plans for buildings or areas described in Article 2.8.1.1., where hot works involving open flames or producing heat or sparks are conducted.

Application

1. To limit the probability that hot works will lead to a fire or explosion, which could lead to harm to persons.
### Alberta Fire Code 2006

**Application and intent of Division B provisions**

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
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<table>
<thead>
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<th>CodeText</th>
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<tr>
<td>1) This Section shall apply to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.</td>
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<th>Application</th>
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<tr>
<td>A1. Buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.</td>
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<tr>
<td>A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).</td>
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<thead>
<tr>
<th>Intent</th>
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<tbody>
<tr>
<td>I1. To state the application of Section 5.3.</td>
</tr>
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</table>
A1. Cleaning and dust removal equipment [vacuum-type].

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception:
except as stated in Sentence 5.3.1.2.(3), which applies to situations where it is not practicable to effectively remove dust by vacuum.

A2. This also applies to dry powder spray coating operations covered in Subsection 5.4.5.

I1. To limit the probability that accumulations of combustible dusts will be ignited by hot surfaces in the building or on machinery, or by any ignition source in the presence of a cloud of dust generated by shocks, vibrations, a primary explosion or by dust removal operations, which could lead to a fire or to a primary or secondary explosion, which could lead to harm to persons.

I2. To limit the probability that sparks or heat from cleaning or dust removal equipment will ignite accumulations of combustible dusts or clouds of dust, which could lead to harm to persons.

I3. To limit the probability that the dispersal of combustible dusts into the atmosphere of the building will lead to an ignitable or hazardous accumulation of dust, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Coding Reference (including record number) 5.3.1.2.(2)-01
Attribution - functional statement/objective F01-OS1.1

CodeText
2) When used in an atmosphere containing combustible dusts, the cleaning equipment required in Sentence (1) shall conform to electrical regulations made pursuant to the Safety Codes Act.

Application

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent
I1. To limit the probability that electric cleaning equipment will generate heat or sparks, which could lead to the ignition of combustible dusts, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Method of removing dust where
- the use of vacuum methods prescribed in Sentence 5.3.1.2.(1) is impracticable,
- all sources of ignition are eliminated, and
- all machinery and equipment are de-energized, unless such equipment is suitable for use in atmospheres containing combustible dusts, in conformance with electrical regulations made pursuant to the Safety Codes Act.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To remove from the application of Clause 5.3.1.2.(1)(c) and permit the use of compressed air or similar methods if
- vacuum methods are impracticable, and
- measures are taken to eliminate all possible sources of ignition from the dust removal area where hazardous conditions are created by the displacement of dust.

This is to limit the probability that the dust will be ignited by sources of ignition, which could lead to harm to persons.
Alberta Fire Code 2006

Application and intent of Division B provisions

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<thead>
<tr>
<th>CodeReference</th>
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<tr>
<td>5.3.1.3.(1)-01</td>
<td>F01-OS1.1</td>
</tr>
</tbody>
</table>

**A1. Dust collecting systems in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.**

**Exception:** except as stated in Sentence 5.3.3.1.(2), which applies to the ventilation of grain storage bins.

**A2.** This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

**Intent**

I1. To limit the probability that dust accumulations and suspended dusts will reach unsafe concentrations or quantities, which could lead to a fire or explosion in the presence of an ignition source, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Design of dust collecting systems, in accordance with good engineering practice, in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.3.1.(2), which applies to the ventilation of grain storage bins.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Application

CodeText

2) A dust-collecting system required in Sentence (1) shall be designed in conformance with good engineering practice such as that described in NFPA 664, "Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities," and the NFPA standards on dust explosion hazards, and shall:
   a) be made of noncombustible materials, and
   b) not create sparks upon physical contact in the fan assembly. (See Appendix A.)

Intent

I1. To limit the probability that combustible dust accumulations and dusts in suspension will reach unsafe concentrations or quantities in the building, which could lead to a fire or explosion in the presence of an ignition source, which could lead to harm to persons.

I2. To limit the probability that combustible dust will return into the atmosphere of the building, which could lead to an ignitable or hazardous accumulation of dust, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Combustibility of materials of dust collecting systems required in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.3.1.(2), which applies to the ventilation of grain storage bins.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Application

A1. Combustibility of materials of dust collecting systems required in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.3.1.(2), which applies to the ventilation of grain storage bins.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

A1. To limit the probability that combustible materials in the dust collection system will increase the combustible loading, which could lead to the spread of fire, which could lead to damage to the building.
A1. Combustibility of materials of dust collecting systems required in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.3.1.(2), which applies to the ventilation of grain storage bins.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent
I1. To limit the probability that combustible materials in the dust collection system will increase the combustible loading, which could lead to the spread of fire, which could lead to harm to persons.
A1. Fan assembly of dust collecting systems required in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.3.1.(2), which applies to the ventilation of grain storage bins.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

I1. To limit the probability of sparks in the fan assembly, which could lead to the ignition of accumulated dust or clouds of dust, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m$^3$/s.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception:
- Sentence 5.3.1.3.(2), which applies to dust collectors permitted inside buildings, and
- Sentence 5.3.1.7.(1) and Sentence 5.3.1.7.(2), which apply to situations where explosion venting is impracticable.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

I1. To limit the probability that a fire or explosion in the dust collector will lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m³/s.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception:
- except as stated in Sentence 5.3.1.4.(2), which applies to dust collectors permitted inside buildings, and
- Sentence 5.3.1.7.(1) and Sentence 5.3.1.7.(2), which apply to situations where explosion venting is impracticable.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that a fire or explosion in the dust collector will lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Location, inside of buildings, of dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m³/s, where one of the following is provided
   - explosion venting to the outdoors as specified in Clause 5.3.1.4.(1)(b),
   - an automatic explosion prevention system, or
   - located in a room with fire separations having a fire-resistance rating of not less than 1 h and provided with explosion venting to the outdoors.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To remove from the application of Sentence 5.3.1.4.(1) and permit dust collectors to be located inside a building if they are provided with safety measures that would limit the probability of fire or explosion in the dust collector, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Location, inside of buildings, of dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m\(^3\)/s, where one of the following is provided
- explosion venting to the outdoors as specified in Clause 5.3.1.4.(1)(b),
- equipped with an automatic explosion prevention system, or
- located in a room with fire separations having a fire-resistance rating of not less than 1 h and provided with explosion venting to the outdoors.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To remove from the application of Sentence 5.3.1.4.(1) and permit dust collectors to be located inside a building if they are provided with safety measures that would limit the probability of fire or explosion in the dust collector, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

**CodeReference** (including record number) 5.3.1.4.(3)-01
**Attribution - functional statement/objective** F01-OS1.1

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**CodeText**

3) When air exhausted by a dust collector described in this Article is returned to a building, the dust-collecting system shall be designed so that:

a) returned air will not create an explosion hazard inside the building, and

b) the exhaust fan and ancillary equipment are automatically shut down in the event of a fire or an explosion inside the dust collector.

---

**Application**

A1. Recirculation or return to the building of air from dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m³/s.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

---

**Intent**

I1. To permit exhaust air to return to the building if measures are taken that would limit the probability that ignitable concentrations of dusts will return into the building, which could lead to a fire or explosion in the dust collecting system, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Recirculation or return to the building of air from dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m³/s.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. [Clause (a)] To limit the probability that dust will return into the atmosphere of the building, which could lead to an ignitable or hazardous accumulation of dust, which could lead to a fire or explosion, which could lead to harm to persons.

I2. [Clause (b)] To limit the probability that a fire or explosion inside a dust collector will spread beyond the dust collector and inside the building, which could lead to harm to persons.

I3. To permit exhaust air to return to the building if measures are taken that would limit the probability that ignitable concentrations of dusts will return into the building, which could lead to a fire or explosion in the dust collecting system, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Automatic shut down of exhaust fan and ancillary equipment involved in return to the building of air from dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m$^3$/s.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Application

3) When air exhausted by a dust collector described in this Article is returned to a building, the dust-collecting system shall be designed so that:

a) returned air will not create an explosion hazard inside the building, and

b) the exhaust fan and ancillary equipment are automatically shut down in the event of a fire or an explosion inside the dust collector.

Intent

I1. To limit the probability that a fire or explosion inside a dust collector will spread beyond the dust collector and inside the building, which could lead to damage to the building.
Application and intent of Division B provisions

CodeReference (including record number)  5.3.1.4.(3)-04
Attribution - functional statement/objective  P03-OS1.2

CodeText
3) When air exhausted by a dust collector described in this Article is returned to a building, the dust-collecting system shall be designed so that
a) returned air will not create an explosion hazard inside the building, and
b) the exhaust fan and ancillary equipment are automatically shut down in the event of a fire or an explosion inside the dust collector.

Application
A1. Automatic shut down of exhaust fan and ancillary equipment involved in return to the building of air from dust collectors referred to in Article 5.3.1.3. that have a capacity greater than 0.5 m³/s.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent
I1. To limit the probability that a fire or explosion inside a dust collector will spread beyond the dust collector and inside the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.3.1.5.(1)-01
Attribution - functional statement/objective F01-OS1.1

Application

1) Electrically conducting parts of conveying systems, dust collectors, dust-producing machines and any equipment capable of accumulating static electricity located in an atmosphere containing combustible dusts shall be electrically bonded and grounded.

Application

A1. Electrical bonding and grounding of electrically conducting parts of conveying systems, dust collectors, dust producing machines and any equipment capable of accumulating static electricity located in an atmosphere containing combustible dusts.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that the buildup of a static electrical charge will generate sparks of sufficient energy to lead to an explosion in an atmosphere containing combustible dusts, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.3.1.5.(2)-01
Attribution - functional statement/objective  F01-OS1.1

CodeText
2) Static electricity shall be prevented from accumulating on machines or equipment subject to static electricity buildup by appropriate bonding, grounding and static eliminating devices.

Application
A1. Prevention of the accumulation of static electricity on machines or equipment subject to static electricity buildup.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent
I1. To limit the probability that the buildup of a static electrical charge will generate sparks of sufficient energy to lead to an explosion in an atmosphere containing combustible dusts, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Explosion venting in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.1.7.(1) and Sentence 5.3.1.7.(2), when an explosion prevention system is provided.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that a dust explosion in a building will lead to damage to the building.
Application and intent of Division B provisions

A1. Explosion venting in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception: except as stated in Sentence 5.3.1.7.(1) and Sentence 5.3.1.7.(2), when an explosion prevention system is provided.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent
I1. To limit the probability that a dust explosion in a building will lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.3.1.6.(2)-01
Attribution - functional statement/objective F02-OP1.3

CodeText

2) When explosion venting is required in this Section, it shall be designed to prevent critical structural and mechanical damage to the building in conformance with good engineering practice such as that described in NFPA 68, “Venting of Deflagrations.” (See A-3.2.8.2.(1)(d) in Appendix A.)

Application

A1. Explosion venting in
- process equipment or buildings where combustible dusts are produced in concentrations that create an explosion hazard, as provided in Sentence 5.3.1.6.(1),
- dust collectors having a capacity greater than 0.5 m³/s, as required in Sentence 5.3.1.4.(1) and Sentence 5.3.1.4.(2),
- rooms for dust collectors having a capacity greater than 0.5 m³/s, as provided in Sentence 5.3.1.4.(2), and
- galleries, tunnels and bucket leg enclosures associated with grain conveyor equipment, as required in Sentence 5.3.3.2.(4).

Exception:
except as stated in Sentence 5.3.1.7.(1) and Sentence 5.3.1.7.(2), which applies when an explosion prevention system is provided.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

11. To limit the probability that a dust explosion will lead to critical structural and mechanical damage to the building, which could lead to the failure of structural or mechanical systems, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Explosion venting in
- process equipment or buildings where combustible dusts are produced in concentrations that create an explosion hazard, as provided in Sentence 5.3.1.6.(1),
- dust collectors having a capacity greater than 0.5 m$^3$/s, as required in Sentence 5.3.1.4.(1) and Sentence 5.3.1.4.(2),
- rooms for dust collectors having a capacity greater than 0.5 m$^3$/s, as provided in Sentence 5.3.1.4.(2), and
- galleries, tunnels and bucket leg enclosures associated with grain conveyor equipment, as required in Sentence 5.3.3.2.(4).

Exception:
except as stated in Sentence 5.3.1.7.(1) and Sentence 5.3.1.7.(2), which applies when an explosion prevention system is provided.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that a dust explosion will lead to critical structural and mechanical damage to the building, which could lead to the failure of structural or mechanical systems, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.3.1.7.(1)-01

Attribution - functional statement/objective F01-051.1

CodeText

1) In processes where an explosion hazard is present and conditions exist that prevent adequate explosion venting as required in this Section, an explosion prevention system shall be provided.

Application

A1. Explosion venting in buildings or parts of buildings where combustible dusts are produced in concentrations that create an explosion hazard and where adequate explosion venting cannot be provided as required in Article 5.3.1.6.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To remove from the application of Article 5.3.1.6. buildings in which
- it is impracticable to provide adequate explosion venting to the outdoors, and
- the activity creating a combustible dust explosion hazard is provided with safety measures designed to limit the probability of a dust explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

A1. Explosion prevention systems where adequate explosion venting cannot be provided, as permitted in Sentence 5.3.1.7.(1), in
- process equipment or buildings where combustible dusts are produced in concentrations that create an explosion hazard, as provided in Sentence 5.3.1.6.(1),
- dust collectors having a capacity greater than 0.5 m$^3$/s, as required in Sentence 5.3.1.4.(1) and Sentence 5.3.1.4.(2),
- rooms for dust collectors having a capacity greater than 0.5 m$^3$/s, as provided in Sentence 5.3.1.4.(2), and
- galleries, tunnels and bucket leg enclosures associated with grain conveyor equipment, as required in Sentence 5.3.3.2.(4).

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

**Intent**

I1. To limit the probability of a dust explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Interlocking of dust-producing equipment and dust collector systems in buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

1) Equipment required to have a dust-collecting system shall be interlocked to prevent it from operating if the dust-collecting system is not in operation.

To limit the probability that dust accumulations and suspended dusts will reach unsafe concentrations or quantities, which could lead to a fire or explosion in the presence of an ignition source, which could lead to harm to persons.
Application and intent of Division B provisions

A1. Separators for dust-producing equipment or atmospheres containing combustible dusts.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that foreign material will enter into processing equipment or dusty atmospheres and will generate sparks or heat of sufficient energy to lead to the ignition of combustible dusts, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Devices, operations or activities that produce open flames, sparks or heat.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception:

except if controlled in a manner that will not create a fire or explosion hazard, other than as stated in Sentence 5.3.1.10.(3), which prohibits smoking.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that combustible dusts will be ignited by sources such as sparks, open flames or heat, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Devices, operations or activities that produce open flames, sparks or heat when controlled in a manner that will not create a fire or explosion hazard.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Exception:
except as stated in Sentence 5.3.1.10.(3), which prohibits smoking.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

I1. To exempt devices, operations or activities that produce open flames, sparks or heat from the application of Sentence 5.3.1.10.(1), which would otherwise prohibit such ignition sources, if measures are taken to control the ignition sources in a manner that will not create a fire or explosion hazard.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Portable electrical equipment used in atmospheres containing combustible dusts

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

I1. To limit the probability that portable electrical equipment will ignite combustible dusts, which could lead to an explosion or fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application


This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

A2. This also applies to dry powder spray coating operations covered in Sentence 5.4.5.2.(1).

Intent

1. To limit the probability that smoking material will ignite combustible dusts, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Exhaust ventilation systems for woodworking machinery and operations that produce wood dust, particles or shavings. This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

I1. To limit the probability that the accumulation of wood dust particles and shavings will reach unsafe concentrations or quantities, which could lead to a fire or explosion in the presence of an ignition source, which could lead to harm to persons.

I2. To limit the probability that displacement of dust into the atmosphere of a building will lead to an ignitable or hazardous accumulation of dust, which could lead to a fire or explosion in the presence of an ignition source, which could lead to harm to persons.

I3. To limit the probability that combustible materials in the dust collecting system will increase the combustible loading or contribute to the spread of fire, which could lead to harm to persons.

I4. To limit the probability that the operation of the dust collecting system will generate heat or sparks and ignite dust accumulation or clouds of dust, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeText

1) Every machine that produces wood dust, particles or shavings shall be provided with a blower and exhaust system installed in conformance with NFPA 664, “Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities.”

Application

A1. Exhaust ventilation systems for woodworking machinery and operations that produce wood dust, particles or shavings.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

11. To limit the probability that combustible materials in the dust collecting system will increase the combustible loading or contribute to the spread of fire, which could lead to damage to the building.
Application and intent of Division B provisions

 Alberta Fire Code 2006

A1. Exhaust systems
- serving operations or machines that generate sparks or combustible vapours, and
- connected to woodworking machines that produce wood dust, particles or shavings.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

CodeText

2) Operations or machines that generate sparks or combustible vapours shall not be served by exhaust systems connected to woodworking machines referred to in Sentence (1).

CodeReference (including record number) 5.3.2.1.(2)-01
Attribution - functional statement/objective F01-OS1.1

Application

A1. Exhaust systems
- serving operations or machines that generate sparks or combustible vapours, and
- connected to woodworking machines that produce wood dust, particles or shavings.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

I1. To limit the probability that sparks or heat will ignite wood dust, particles, shavings or combustible vapours, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

A1. Frequency of collection of loose shavings and sawdust from woodworking operations.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

**Intent**

I1. To limit the probability that loose shavings and sawdust will accumulate in quantities that could lead to a fire or explosion in the presence of an ignition source, which could lead to harm to persons.
### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
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<tr>
<td>5.3.2.2.(1)-02</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

#### CodeText

1) Loose shavings and sawdust shall be collected at frequent intervals and deposited in receptacles described in Article 2.4.1.3.

#### Application

A1. Receptacles for loose shavings and sawdust from woodworking operations.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

#### Intent

I1. To expand the application of Sentence 2.4.1.3.(4).
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.3.2.3.(1)-01
Attribution - functional statement/objective F12-OS1.2

Application

A1. Location of portable extinguishers near machines producing wood dust, particles or shavings.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

I1. To supersede the requirements in Article 2.1.5.1. and Sentence 6.2.1.1.(1) for the placement of extinguishers in order to limit the probability of delays in locating portable extinguishers, which could lead to delays in carrying out fire suppression operations using the portable extinguishers, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.
<table>
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<tr>
<td>5.3.2.3.(1)-02</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

## CodeText

1. A portable extinguisher shall be provided within 7.5 m of any machine producing wood dust, particles or shavings.

## Application

A1. Portable extinguishers in woodworking operations.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

## Intent

I1. To state the application of Article 2.1.5.1. and Sentence 6.2.1.1.(1).
A1. Products subject to spontaneous heating in storage silos or bins in grain handling and storage facilities. This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

1) A product subject to spontaneous heating shall be permitted to be stored in silos or bins only if measures are taken to
   a) monitor the temperature of the stored product, and
   b) prevent overheating of the stored product from creating a fire or explosion hazard.

I1. To limit the probability that stored products will overheat, which could lead to spontaneous ignition, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.3.3.1.(2)-01
Attribution - functional statement/objective Not applicable

CodeText

2) Permanently open vent stacks are permitted to be used for the ventilation of storage bins where mechanical dust-collecting systems are not practicable provided that the vent stacks
a) have a cross-sectional area not less than twice that of all spouts discharging into the bin,
b) are installed not more than 30° from the vertical,
c) extend from the top of the bin to a point not less than 1.2 m above the roof, and
d) are designed to prevent the entry of snow and rain.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Application

A1. Ventilation of grain storage bins where mechanical exhaust ventilation [dust-collecting system] required in Sentence 5.3.1.3.(1) is not practicable, and when they are provided with open vent stacks that
- have a cross-sectional area not less than twice that of all spouts discharging into the bin,
- are installed not more than 30° from the vertical,
- extend from the top of the bin to a point not less than 1.2 m above the roof, and
- are designed to prevent the entry of snow and rain.

I1. To exempt grain storage bins from the application of the requirement for mechanical exhaust ventilation [dust-collecting system] in Sentence 5.3.1.3.(1), and to permit them to be ventilated by open vent stacks only if mechanical exhaust ventilation is impracticable, and if the open vent stacks
- are large enough to allow for air displacement as the bin is emptied or filled, so that the bin does not become significantly pressurized or depressurized,
- prevent dust accumulating in vents from obstructing their effectiveness,
- vent the dust-laden air displaced from the bins to the exterior, and
- prevent entry of rain or snow from impairing effectiveness of the vents.
Application and intent of Division B provisions

Application and intent of Division B provisions

CodeReference (including record number) 5.3.3.2.(1)-01
Attribution - functional statement/objective F81,F11,F01-OS1.1

CodeText
1) Belt conveyors and bucket elevator legs shall be equipped with safety devices to
   a) detect excessive misalignment, blockage, slipping or slow-down of the conveying equipment, and
   b) prevent conditions described in Clause (a) from creating a fire or explosion hazard by
      i) alerting personnel trained in taking appropriate actions, or
      ii) automatically stopping the conveying equipment.

Intent
11. To limit the probability that malfunctioning equipment will lead to the generation of heat, flames or
    sparks, which could lead to the ignition of combustible dusts, which could lead to a fire or explosion,
    which could lead to harm to persons.

Application
A1. Detection and annunciation of fire hazards that can occur with the malfunction of grain
    transportation systems in grain handling and storage facilities.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or
concentrations that create an explosion or fire hazard.
### Application and intent of Division B provisions

**Application**

A1. Buildup of static charges on grain conveying equipment belts in grain handling and storage facilities.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

**Intent**

I1. To limit the probability that static electricity buildup on the conveyor systems will generate sparks of sufficient energy to ignite combustible dusts, which could lead to a fire or explosion, which could lead to harm to persons.

**CodeReference** (including record number) 5.3.3.2.(2)-01

**Attribution - functional statement/objective** F01-OS1.1

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2) Conveying equipment belts shall be made of static conductive materials to prevent buildup of static charges. (See Appendix A.)
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.3.3.2.(3)-01
Attribution - functional statement/objective F01,F82-OS1.1

CodeText

3) Conveying equipment bearings shall be
a) accessible for inspection and maintenance,
b) lubricated to prevent overheating, and
c) kept free of accumulation of combustible dusts.

Application

A1. Grain conveyor equipment bearings in grain handling and storage facilities.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

I1. To limit the probability that a buildup of friction heat in the bearings will ignite combustible dusts or material, which could lead to a fire or explosion, which could lead to harm to persons.
### CodeText

4) Belt conveyor galleries and tunnels and bucket elevator leg enclosures shall be provided with explosion venting to the outdoors in conformance with Sentence 5.3.1.6.(2).

### Application

A1. Explosion venting in galleries, tunnels and bucket leg enclosures associated with grain conveyor equipment in grain handling and storage facilities.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

### Intent

I1. To state the application of Sentence 5.3.1.6.(2).
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Separators for grain conveyor equipment in grain handling and storage facilities.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

I1. To limit the probability that foreign material entering into processing and conveying equipment will generate sparks or heat of sufficient energy to ignite combustible dusts, which could lead to a fire or explosion, which could lead to harm to persons.

CodeReference (including record number) 5.3.3.3.(1)-01

Attribution - functional statement/objective F01-OS1.1
Application and intent of Division B provisions

CodeReference (including record number) 5.3.3.4.(1)-01
Attribution - functional statement/objective F01-OS1.1

CodeText

1) Where a standpipe and hose system is provided, fog and fine spray nozzles shall be used to prevent combustible dust from being raised into suspension upon application of a solid stream water discharge.

Application

A1. Spray nozzles for standpipe and hose systems in grain handling and storage facilities.

This applies to buildings or parts of buildings where combustible dusts are produced in quantities or concentrations that create an explosion or fire hazard.

Intent

I1. To limit the probability that the application of a solid fire hose stream will lead to the suspension of combustible dusts in the air, which could lead to an explosion in the presence of an ignition source, which could lead to harm to persons, including emergency responders.
### Application and intent of Division B provisions

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<td>5.4.1.1.(1)-01</td>
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</tbody>
</table>

**CodeText**

1) This Subsection applies to baking and drying processes during which flammable vapours are given off by the products being baked or dried.

**Application**

A1. Baking and drying processes where flammable vapours are given off by the products being baked or dried, in buildings.

**Intent**

I1. To state the application of Subsection 5.4.1.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.4.1.2.(1)-01
**Attribution - functional statement/objective** F01,F82-OS1.1 and F02,F03,F82-OS1.2

**CodeText**

1) The design, operation and maintenance requirements relating to baking and drying processes shall conform to NFPA 86, “Ovens and Furnaces.”

**Application**

A1. Design, operation and maintenance of baking and drying processes where flammable vapours are given off by the products being baked or dried, in buildings.

**Intent**

I1. To limit the probability that baking and drying processes where flammable vapours are given off will lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability that a fire or explosion caused by baking and drying processes where flammable vapours are given off will spread beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.4.2.1.(1)-01

**Attribution - functional statement/objective** F01,F81-OS1.1 and F02,F03,F81-OS1.2

**CodeText**

1) Dry cleaning plants shall conform to NFPA 32, “Drycleaning Plants.”

**Application**

A1. Location, construction, process equipment, operation and maintenance of dry cleaning plants [processes for removing dirt, grease, paints and other stains from wearing apparel, textiles, fabrics, rugs, etc. by the use of non-aqueous liquids (solvents)].

**Intent**

I1. To limit the probability that dry cleaning operations will lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability that a fire or explosion caused by dry cleaning operations will spread beyond the point of origin, which could lead to harm to persons.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
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<tr>
<td>5.4.3.1.(1)-01</td>
<td>Not applicable</td>
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</table>

#### CodeText

1) This Subsection applies to the fumigation or thermal insecticidal fogging of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

#### Application

A1. Fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

#### Intent

I1. To state the application of Subsection 5.4.3.
A1. Emergency planning [notification of fire department].

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that appropriate safety measures will not be taken, which could lead to the ignition of vapours from fumigation or thermal insecticide fogging operations, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number)  5.4.3.2.(1)-02
**Attribution - functional statement/objective**  F13-OS3.4

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**CodeText**

1) The fire department shall be notified before any operation described in Article 5.4.3.1. is conducted.

---

**Application**

A1. Emergency planning [notification of fire department].

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

---

**Intent**

I1. To limit the probability that appropriate safety measures will not be taken, which could lead to short-term exposure to toxic fumigants from fumigation or thermal insecticide fogging operations, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Emergency planning [notification of occupants of any premises adjacent to that in which fumigation or thermal insecticidal fogging is to take place].

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that appropriate safety measures will not be taken, which could lead to the ignition of vapours from fumigation or thermal insecticide fogging operations, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.4.3.2.(2)-02
Attribution - functional statement/objective F11-OS3.4

Application

2) The occupants of any premises adjacent to that in which fumigation or thermal insecticidal fogging is to take place shall be given prior notice.

Application

A1. Emergency planning [notification of occupants of any premises adjacent to that in which fumigation or thermal insecticidal fogging is to take place].

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that appropriate safety measures will not be taken, which could lead to short-term exposure to toxic fumigants from fumigation or thermal insecticide fogging operations, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Control of ignition sources in buildings undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

CodeText

1) All flames and other sources of ignition shall be eliminated in any part of a building undergoing fumigation or thermal insecticidal fogging.

Application

A1. Control of ignition sources in buildings undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that fumigants will be ignited, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Control of ignition sources [shutting off of power supply] from electrical equipment in premises undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that electrical discharge will ignite fumigants, which could lead to a fire or explosion, which could lead to harm to persons.
<table>
<thead>
<tr>
<th>CodeReference</th>
<th>5.4.3.5.(1)-01</th>
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<tr>
<td>Attribution</td>
<td>F81-OP1.2</td>
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</table>

**Application**

A1. Ambient conditions [limitation on high air temperatures] in the part of a building undergoing fumigation or thermal insecticidal fogging shall be kept sufficiently low to prevent the actuation of any sprinkler or fire alarm system.

**Intent**

I1. To limit the probability that accidental actuation of a fire suppression system will make it unavailable in case of a fire emergency, which could lead to spread of the fire to other parts of the building, which could lead to damage to the building.
Alberta Fire Code 2006
Application and intent of Division B provisions

CodeReference (including record number) 5.4.3.5.(1)-02
Attribution - functional statement/objective F81-OS1.2

CodeText
1) The air temperature in the part of a building undergoing fumigation or thermal insecticidal fogging shall be kept sufficiently low to prevent the actuation of any sprinkler or fire alarm system.

Application
A1. Ambient conditions [limitation on high air temperatures] in the part of a building undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent
I1. To limit the probability that accidental actuation of a fire suppression or fire alarm system will make it unavailable in case of a fire emergency, which could lead to delayed notification of occupants and spread of the fire to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Access control to premises undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging (application of gaseous or volatile fumigants for the purpose of controlling insects) of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that inappropriate actions of unauthorized persons will lead to the ignition of fumigants, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference  5.4.3.6.(1)-02
Attribution - functional statement/objective  F34-OS3.4

CodeText

1) No unauthorized person shall be permitted to enter a premise undergoing fumigation or thermal insecticidal fogging until the premise has been ventilated and is safe.

Application

A1. Access control to premises undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that short-term exposure to toxic fumigants will lead to harm to persons in the premises undergoing fumigation.
**Application and intent of Division B provisions**

**Alberta Fire Code 2006**

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<td>F34-OS1.1</td>
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</table>

**CodeText**

2) Warning signs shall be posted in a conspicuous location near every entrance to the premises being fumigated.

**Application**

A1. Signs for access control to premises being fumigated.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

**Intent**

11. To limit the probability that inappropriate actions of unauthorized persons will lead to the ignition of fumigants, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.4.3.6.(2)-02
**Attribution - functional statement/objective** F34-O53.4

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**CodeText**

2) Warning signs shall be posted in a conspicuous location near every entrance to the premises being fumigated.

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**Application**

A1. Signs for access control to premises being fumigated.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

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**Intent**

I1. To limit the probability that short-term exposure to toxic fumigants will lead to harm to persons in the premises undergoing fumigation.

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Application and intent of Division B provisions

Application

A1. Access control to premises undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent

I1. To limit the probability that inappropriate actions of unauthorized persons will lead to the ignition of fumigants, which could lead to harm to persons.
A1. Access control to premises undergoing fumigation or thermal insecticidal fogging.

This applies to fumigation or thermal insecticidal fogging [application of gaseous or volatile fumigants for the purpose of controlling insects] of buildings, including the fumigation of equipment or commodities within structures, tanks or bins or under tarpaulins.

Intent
I1. To limit the probability that short-term exposure to toxic fumigants will lead to harm to persons in the premises undergoing fumigation.
### Alberta Fire Code 2006
#### Application and intent of Division B provisions

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<td>5.4.4.1.(1)-01</td>
<td>Not applicable</td>
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</table>

**CodeText**

1) Floor finishing operations involving the use of flammable liquids or combustible liquids shall conform to Part 4 and this Subsection.

**Application**

A1. Floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

**Intent**

I1. To state the application of Subsection 5.4.4.

Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Access control to any part of a building where floor finishing operations are done.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

Intent

I1. To limit the probability that vapours will ignite in the premises where floor finishing operations are conducted, which could lead to harm to persons.

I2. To limit the probability that inappropriate actions of unauthorized persons will lead to the ignition of flammable and combustible liquids, which could lead to harm to persons.
A1. Access control to any part of a building where floor finishing operations are done shall not be open to the public.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

I1. To limit the probability that short-term exposure to toxic vapours will lead to harm to persons in the premises where floor finishing operations are conducted.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Exhaust ventilation in areas where floor finishing operations are done.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

Intent

I1. To limit the probability that vapours will accumulate to ignitable concentrations in areas where they can be in the presence of ignition sources, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

A1. Exhaust ventilation [by mechanical systems] in areas where floor finishing operations are done and where their use does not constitute a source of ignition.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

**Intent**

I1. To limit the probability that mechanical ventilation systems will ignite vapours, which could lead to a fire or explosion, which could lead to harm to persons.

**CodeText**

2) Ventilation required in Sentence (1) is permitted to be provided by mechanical systems if their use does not constitute a source of ignition.

**CodeReference** (including record number)  5.4.4.3.(2)-01

**Attribution - functional statement/objective**  F01-OS1.1
Application and intent of Division B provisions

**CodeReference** (including record number)  5.4.4.4.(1)-01
**Attraction - functional statement/objective**  F01-O51.1

**CodeText**

1) All mechanical systems, electric motors and other equipment that might be a source of ignition shall be shut down, and smoking and the use of open flames shall be prohibited during the application of Class I liquids and for at least 1 h after such application.

**Intent**

1) To limit the probability that vapours will ignite, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Disposal of waste rags and materials from floor finishing operations.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

Intent

1. To limit the probability that waste rags and materials and the vapours they generate will be ignited by spontaneous ignition or external sources of ignition, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number) 5.4.4.5.(1)-02
Attribution - functional statement/objective F02-OP1.2

CodeText

1) A receptacle conforming to Article 2.4.1.3. shall be provided for all waste rags and materials used in operations involving flammable liquids or combustible liquids, and the contents shall be removed daily and disposed of in a manner that will not create a fire hazard.

Application

A1. Frequency of removal and disposal of waste rags and materials from floor finishing operations.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

Intent

I1. To limit the probability that combustible content will increase, which could lead to the spread of a fire involving waste rags beyond the point of origin, which could lead to damage to the building.
A1. Frequency of removal and disposal of waste rags and materials from floor finishing operations.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

1. To limit the probability that combustible content will increase, which could lead to the spread of a fire involving waste rags beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

A1. Receptacles for waste rags and materials from floor finishing operations.

This applies to floor finishing operations involving the use of flammable liquids or combustible liquids, in buildings.

**Intent**

I1. To expand the application of Sentence 2.4.1.3.(4).
Application and intent of Division B provisions

Alberta Fire Code 2006

1) This Subsection applies to spray coating processes involving the use of combustible dry powders, flammable liquids or combustible liquids, inside buildings.

Note:
Although not stated in the Code, Subsection 5.4.5. is intended to apply only to processes that generate
- concentrations of vapours or mists that present an explosion hazard, or
- accumulations of combustible spray residues, dusts or deposits that present a fire hazard.

Intent
11. To state the application of Subsection 5.4.5.
Application and intent of Division B provisions

**Application**

A1. Design, operation and maintenance of spray coating processes, either continuous or intermittent, involving flammable or combustible materials, inside buildings.

This also applies to the spray application of water-borne or water-based materials that contain flammable liquids or combustible liquids or that produce combustible deposits or residues.

[Note: Although not stated in the Code, Subsection 5.4.5. is intended to apply only to processes that generate:
- concentrations of vapours or mists that present an explosion hazard, or
- accumulations of combustible spray residues, dusts or deposits that present a fire hazard.]

**Intent**

I1. To limit the probability that spray coating processes will lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability that a fire or explosion caused by spray coating processes will spread beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.4.6.1.(1)-01
Attribution - functional statement/objective Not applicable

CodeText

1) This Subsection applies to
   a) processes in which products or materials are immersed in a dip tank containing flammable liquids or combustible liquids, and
   b) the unatomized application of flammable liquids or combustible liquids, such as by flow coating or roll coating processes.

Application

A1. Processes in which products or materials are immersed in a dip tank containing flammable liquids or combustible liquids [dipping processes], and the unatomized application of flammable liquids or combustible liquids [coating processes], such as by flow coating or roll coating processes, in a manner that creates a fire or explosion hazard, in buildings.

[Note: The phrase "dipping or coating processes" is used as a shorthand in the application statements of this Subsection to mean the above-stated processes.]

Intent

I1. To state the application of Subsection 5.4.6.
Application and intent of Division B provisions

Application

A1. Design, operation and maintenance of dipping and coating processes [such as dipping, roll coating, flow coating, curtain coating, and cleaning] in which articles or materials are passed through vats, tanks, containers or process equipment that contain flammable liquids or combustible liquids.

Intent

I1. To limit the probability that dipping and coating processes will lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability that a fire or explosion caused by dipping and coating processes will spread beyond the point of origin, which could lead to harm to persons.
### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
<th>Attribution - functional statement/objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5.1.1.(1)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

#### CodeText

1) This Section applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used. (See Appendix A.)

#### Application

A1. Laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

#### Intent

I1. To state the application of Section 5.5.
Application and intent of Division B provisions

Alberta Fire Code 2006

### CodeReference (including record number)
A1. Use, handling and storage of dangerous goods, including flammable liquids and combustible liquids, in laboratories where they are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

### Attribution - functional statement/objective
5.5.1.1.(2)-01

### CodeText
2) Except as otherwise specified in this Section, the use, handling and storage of dangerous goods, including flammable liquids and combustible liquids, shall conform to Parts 3, 4 and 5.

### Application
A1. Use, handling and storage of dangerous goods, including flammable liquids and combustible liquids, in laboratories where they are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

### Intent
I1. To direct Alberta Fire Code 2006 users to Parts 3, 4 and 5.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
<th>Attribution - functional statement/objective</th>
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<tbody>
<tr>
<td>5.5.1.1.(2)-02</td>
<td>Not applicable</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>CodeText</th>
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</table>

2) Except as otherwise specified in this Section, the use, handling and storage of dangerous goods, including flammable liquids and combustible liquids, shall conform to Parts 3, 4 and 5.

#### Intent

11. To clarify that the specific provisions of Section 5.5. override the more general requirements in Parts 3, 4, and 5 in case of conflict.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.2.1.(1)-01
Attribution - functional statement/objective Not applicable

CodeText

1) Interior finish materials, floors, fixed furniture and equipment shall be chemically resistant to dangerous goods being used in a laboratory to minimize their deterioration, in conformance with Articles 3.2.7.7. and 3.2.7.8.

Application

A1. Interior finish materials, floors, fixed furniture and equipment in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To expand the application of Articles 3.2.7.7. and 3.2.7.8.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Minimum fire-resistance rating of fire separations of laboratories from other parts of the building.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that a fire in a laboratory will spread to other parts of the building, which could lead to damage to the building.

I2. To limit the probability that the laboratory room fire separation will have insufficient resistance to fire, which could lead to the premature failure of the fire separation in a fire within the room, which could lead to the spread of the fire from the room to other parts of the building, which could lead to damage to the building.

CodeText

1) A laboratory shall be separated from other parts of the building by fire separations conforming to this Code and the Alberta Building Code 2006, but having a fire-resistance rating of not less than 1 h.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Attribution - functional statement/objective

5.5.2.2.(1)-01

F03-OP1.2
Application and intent of Division B provisions

Application

A1. Minimum fire-resistance rating of fire separations of laboratories from other parts of the building.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that a fire in a laboratory will spread to other parts of the building, which could lead to harm to persons.

I2. To limit the probability that the laboratory room fire separation will have insufficient resistance to fire, which could lead to the premature failure of the fire separation in a fire situation within the room, which could lead to the spread of fire from the room to other parts of the building, which could lead to harm to persons.

I3. To require upgrading to standards for new buildings by making the fire separation requirements of the Alberta Building Code 2006 applicable not only to new buildings but also to existing ones.
Application and intent of Division B provisions

A1. Minimum fire-resistance rating of fire separations of laboratories from other parts of the building.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To make the Alberta Building Code 2006 [with respect to requirements pertaining to fire-resistance ratings of fire separations] applicable to existing laboratories [as opposed to only new laboratories].
<table>
<thead>
<tr>
<th>CodeReference</th>
<th>Attribution - functional statement/objective</th>
<th>5.5.3.1.(1)-01</th>
<th>Not applicable</th>
</tr>
</thead>
</table>

### CodeText

1. Except as provided in Sentences (2) to (6), a laboratory shall conform to the requirements for emergency planning in Section 2.8. and for a fire safety plan in Subsection 5.1.5.

### Application

A1. Emergency planning and fire safety plans for laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:

except as stated in Sentences 5.5.3.1.(2) to (6), which prescribe specific measures for laboratories.

### Intent

I1. To direct Alberta Fire Code 2006 users to Section 2.8. and Subsection 5.1.5.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Emergency planning and fire safety plans for laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To clarify that the specific requirements in Sentences 5.5.3.1.(2) to 5.5.3.1.(6) take precedence over the general provisions of Section 2.B. and Subsection 5.1.5.
Application and intent of Division B provisions

A1. Maximum time duration between the holding of fire drills [frequency of drills].

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To override the [maximum] 12-month intervals of Sentence 2.8.3.2.(1) by requiring that the intervals for fire drills be not greater than 3 months.

This is to limit the probability that inappropriate actions will be taken during a fire emergency, which could lead to harm to persons.
### Alberta Fire Code 2006

**Application and intent of Division B provisions**

<table>
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<tr>
<td>5.5.3.1.(3)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### CodeText

<table>
<thead>
<tr>
<th>3) Personnel working in a laboratory shall be trained in the safe handling and use of dangerous goods, in conformance with Article 3.2.7.15.</th>
</tr>
</thead>
</table>

### Application

A1. Training of personnel working in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

### Intent

I1. To expand the application of Article 3.2.7.15.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.3.1.(4)-01
Attribution - functional statement/objective Not applicable

CodeText

4) Dangerous goods shall be identified in conformance with Article 3.2.7.13.

Application

A1. Identification of dangerous goods, including flammable liquids and combustible liquids, in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To expand the application of Article 3.2.7.13.
Identifying placards [signage] for laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

1. To expand the application of Article 3.2.7.14.
Application and intent of Division B provisions

Application
A1. Access control to laboratories.

Intent
I1. To limit the probability that the actions of unauthorized or improperly trained persons will lead to an unwanted escape of dangerous goods, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**
A1. Access control to laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**
I1. To limit the probability that the actions of unauthorized or improperly trained persons will lead to an unwanted escape of dangerous goods or a fire hazard, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.5.3.1.(6)-03
**Attribution - functional statement/objective** F34-OS3.4

**CodeText**

6) Measures shall be taken to prevent access to the laboratory by unauthorized persons.

**Application**

A1. Access control to laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

I1. To limit the probability that the actions of unauthorized or improperly trained persons will lead to an unwanted escape of dangerous goods, which could lead to harm to persons, including emergency responders.
Application and intent of Division B provisions

**Application**

A1. Usage and storage [maximum quantity] of combustible materials [such as packaging materials] in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

11. To limit the probability that excessive quantities of combustible materials will be involved in a fire, which could lead to the spread of the fire from the laboratory to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

**CodeReference** (including record number) 5.5.3.2.(1)-02

**Attribution - functional statement/objective** F02-OS1.2

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**CodeText**

1) Where combustible materials, such as packaging materials, are used in a laboratory, their quantity shall not be greater than the supply for one day of normal operation.

**Application**

A1. Usage and storage [maximum quantity] of combustible materials [such as packaging materials] in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

I1. To limit the probability that excessive quantities of combustible materials will be involved in a fire, which could lead to the spread of fire from the laboratory to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

A1. Excess combustible materials [e.g. packaging materials] stored outside laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Application

2) Combustible materials in excess of those permitted in Sentence (1) shall be stored outside of the laboratory in conformance with Section 3.2.

I1. To limit the probability that excessive quantities of combustible materials will be involved in a fire, which could lead to the spread of fire from the laboratory to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Excess combustible materials [e.g. packaging materials] stored outside laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

I1. To limit the probability that excessive quantities of combustible materials will be involved in a fire, which could lead to the spread of the fire from the laboratory to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

2) Combustible materials in excess of those permitted in Sentence (1) shall be stored outside of the laboratory in conformance with Section 3.2.

**Intent**

1. To direct Alberta Fire Code 2006 users to Section 3.2.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.3.3.(1)-01
Attribution - functional statement/objective F01-OP1.1 and F02-OP1.2

CodeText
1) Absorbent and neutralizing materials shall be provided in the laboratory and in the dangerous goods storage areas in conformance with Sentence 3.2.7.11.(2).

Application
A1. Absorbent and neutralizing materials used in the cleanup of escaped solid or liquid dangerous goods, including flammable liquids and combustible liquids, in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent
I1. To limit the probability of ignition of the escaped product or its reaction with incompatible products, which could lead to a fire or explosion, which could lead to damage to the building.

I2. To limit the probability of excessive combustible and hazardous content, which could lead to the spread of a fire involving the escaped product beyond the point of origin, which could lead to damage to the building.
1) Absorbent and neutralizing materials shall be provided in the laboratory and in the dangerous goods storage areas in conformance with Sentence 3.2.7.11.(2).

Application

A1. Absorbent and neutralizing materials used in the cleanup of escaped solid or liquid dangerous goods, including flammable liquids and combustible liquids, in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability of ignition of the escaped product or its reaction with incompatible products, which could lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability of excessive combustible and hazardous content, which could lead to the spread of a fire involving the escaped product beyond the point of origin, which could lead to harm to persons.
### Alberta Fire Code 2006

**Application and intent of Division B provisions**

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</table>

#### CodeText

1) Absorbent and neutralizing materials shall be provided in the laboratory and in the dangerous goods storage areas in conformance with Sentence 3.2.7.11.(2).

#### Application

A1. Absorbent and neutralizing materials used in the cleanup of escaped solid or liquid dangerous goods, including flammable liquids and combustible liquids, in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

#### Intent

I1. To expand the application of Sentence 3.2.7.11.(2).
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.5.3.4.(1)-01
Attribution - functional statement/objective F01-OS1.1

Application

A1. Electrical equipment
- in areas where the concentration of flammable vapours can be greater than 25% of their lower explosive limit, and
- inside power-ventilated enclosures and exhaust ductwork required by Article 5.5.4.2., as specified in Sentence 5.5.3.4.(2).

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Sentence 5.5.3.5.(3), which applies to electrical equipment that is an integral part of the laboratory operation.

Intent

I1. To limit the probability that electrical equipment will ignite vapours, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference 5.5.3.4. (2)-01
Attribution - functional statement/objective F02-OP1.2 and F82-OP1.1

CodeText

2) Electrical equipment located inside a power-ventilated enclosure required in Article 5.5.4.2. and its exhaust duct system shall
a) conform to Sentence (1), and
b) be designed and maintained to prevent the accumulation of combustible or reactive deposits.

Application

A1. Design and maintenance of electrical equipment located inside power-ventilated enclosures required in Article 5.5.4.2. and their exhaust duct system.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to damage to the building.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to damage to the building.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to damage to the building.
Application and intent of Division B provisions

**CodeReference**  5.5.3.4.(2)-02
**Attribution - functional statement/objective**  F02-OS1.2 and F82-OS1.1

**CodeText**

2) Electrical equipment located inside a power-ventilated enclosure required in Article 5.5.4.2. and its exhaust duct system shall

a) conform to Sentence (1), and

b) be designed and maintained to prevent the accumulation of combustible or reactive deposits.

**Application**

A1. Design and maintenance of electrical equipment located inside power-ventilated enclosures required in Article 5.5.4.2. and their exhaust duct system.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to harm to persons.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to harm to persons.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Electrical equipment located inside power-ventilated enclosures required in Article 5.5.4.2. and their exhaust system.

This applies in accordance with Clause 5.5.3.4.(2)(a) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

11. To state the application of Sentence 5.5.3.4.(1).
Application and intent of Division B provisions

Alberta Fire Code 2006


This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Application

1) Smoking shall not be permitted in a laboratory and signs shall be posted in conformance with Article 2.4.2.2.

Intent

1. To limit the probability that smoking material will lead to a fire or explosion, which could lead to harm to persons.
APPLICATION AND INTENT OF DIVISION B PROVISIONS

Alberta Fire Code 2006

A1. Posting of signs prohibiting smoking.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

I1. To state the application of Article 2.4.2.2.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Sounding of an alarm connected to high temperature limit switches [safety interlocks] for equipment using heat, where
- such equipment is unattended, and
- overheating of the equipment can cause a fire or an explosion.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

CodeReference (including record number) 5.5.3.5.(2)-01
Attribution - functional statement/objective F11-OP1.1

CodeText

2) Where overheating of unattended equipment using heat can cause a fire or an explosion, such equipment shall be equipped with a high temperature limit switch fitted to
a) sound an alarm, and
b) shut off the heat.

Application

A1. Sounding of an alarm connected to high temperature limit switches [safety interlocks] for equipment using heat, where
- such equipment is unattended, and
- overheating of the equipment can cause a fire or an explosion.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that persons will not be notified in the event of equipment overheating, which could lead to corrective action not being taken, which could lead to a fire or explosion, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.3.5.(2)-02
Attribution - functional statement/objective F11-OS1.1

CodeText

2) Where overheating of unattended equipment using heat can cause a fire or an explosion, such equipment shall be equipped with a high temperature limit switch fitted to
   a) sound an alarm, and
   b) shut off the heat.

Application

A1. Sounding of an alarm connected to high temperature limit switches [safety interlocks] for equipment using heat, where
   a) such equipment is unattended, and
   b) overheating of the equipment can cause a fire or an explosion.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that persons will not be notified in the event of equipment overheating, which could lead to corrective action not being taken, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

A1. Shutting off the heat in response to high temperature limit switches [safety interlocks] for equipment using heat, where
- such equipment is unattended, and
- overheating of the equipment can cause a fire or an explosion.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

I1. To limit the probability that overheating of equipment will lead to a fire or explosion, which could lead to harm to persons.
3) An ignition source that is an integral part of an operation involving flammable vapours shall be permitted provided:
   a) the supply of flammable liquids or combustible liquids for this operation is controlled and kept to a strict minimum,
   b) flammable vapours and combustion fumes are exhausted in conformance with Article 5.5.4.2.,
   c) there is no other source of ignition capable of igniting the flammable vapours in an uncontrolled manner, and
   d) there is no combustible material in the immediate vicinity of this operation.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

I1. To override the prohibition for ignition sources in Sentence 4.1.5.2.(1) and the requirement for electrical equipment in Sentences 4.1.4.1.(1) and 5.5.3.4.(1) if:
   - the ignition source is necessary for the conduct of laboratory operations [i.e. is an integral part of them], and
   - measures are taken to limit the probability that the ignition source will lead to an uncontrolled fire and spread beyond the point of origin, which could lead to harm to persons.

I2. To state the application of Article 5.5.4.2., with respect to the exhausting of flammable vapours and combustion fumes.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Inspection, testing and maintenance of electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
- except as stated in - Sentence 5.5.3.6.(2), which applies to ventilation systems,
- Sentence 2.6.1.6.(2), which applies to disconnect switches of ventilation systems, and
- Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

1) Electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices shall be inspected, tested and maintained in good operating condition at all times.

To limit the probability that ineffectiveness or failure of the components [electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices] will lead to an unwanted release of dangerous goods, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference  (including record number)  5.5.3.6.(1)-02
Attribution - functional statement/objective  F82-OP1.1

CodeText

1) Electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices shall be inspected, tested and maintained in good operating condition at all times.

Application

A1. Inspection, testing and maintenance of electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
except as stated in
- Sentence 5.5.3.6.(2), which applies to ventilation systems,
- Sentence 2.6.1.6.(2), which applies to disconnect switches of ventilation systems, and
- Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

Intent

I1. To limit the probability that ineffectiveness or failure of the components [electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices] will lead to an unwanted release of dangerous goods, which could lead to a fire or explosion, which could lead to damage to the building.

I2. To limit the probability that the components [electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices] will not operate as originally intended in a fire situation, which could lead to a fire or explosion, which could lead to damage to the building.
A1. Inspection, testing and maintenance of electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in
- Sentence 5.5.3.6.(2), which applies to ventilation systems,
- Sentence 2.6.1.6.(2), which applies to disconnect switches of ventilation systems, and
- Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

I1. To limit the probability that ineffectiveness or failure of the components [electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices] will lead to an unwanted release of dangerous goods, which could lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability that the components [electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices] will not operate as originally intended in a fire situation, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

A1. Inspection, testing and maintenance of electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
- except as stated in Sentence 5.5.3.6.(2), which applies to ventilation systems,
- Sentence 2.6.1.6.(2), which applies to disconnect switches of ventilation systems, and
- Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

I1. To limit the probability that ineffectiveness or failure of the components (electrical equipment, mechanical systems, piping, valves, and automatic and manual control and safety devices) will lead to an unwanted release of dangerous goods, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Inspection and cleaning of combustible and reactive deposits in ventilation systems in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
except as stated in Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Inspection and cleaning of combustible and reactive deposits in ventilation systems in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

CodeText

2) The ventilation systems serving a laboratory shall be inspected and cleaned to prevent the accumulation of combustible or reactive deposits, and the intervals between inspections shall be not greater than:

a) 12 months for the ventilation systems of the laboratory and dangerous goods storage areas, and

b) 6 months for the ventilation system of a power-ventilated enclosure required in Article 5.5.4.2.

Application

A1. Inspection and cleaning of combustible and reactive deposits in ventilation systems in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Sentence 2.6.1.3.(1), which applies to ventilation systems subject to accumulations of combustible deposits.

Intent

1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to harm to persons.

2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to harm to persons.

3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number)  5.5.4.1.(1)-01
Attribution - functional statement/objective  F01-OS1.1

**CodeText**

1) A laboratory shall be provided with continuous mechanical ventilation designed and maintained to ensure that dangerous goods vapours and particles

   a) do not accumulate in the laboratory,
   b) are prevented from migrating to other parts of the building,
   c) do not accumulate in the ventilation system,
   d) are exhausted to the outdoors, and
   e) are not returned to the building.

**Application**


This applies in accordance with Clauses 5.5.4.1.(1)(a), (b), (d), and (e) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:

except as stated in Article 5.5.4.3., which applies to power-ventilated enclosures required in Article 5.5.4.2.

**Intent**

I1. To limit the probability that vapours and particles will accumulate to ignitable concentrations in areas where they can be in the presence of ignition sources, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Exhaust ventilation in laboratories. This applies in accordance with Clause 5.5.4.1.(1)(c) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Article 5.5.4.3., which applies to power-ventilated enclosures required in Article 5.5.4.2.

1) A laboratory shall be provided with continuous mechanical ventilation designed and maintained to ensure that dangerous goods vapours and particles
a) do not accumulate in the laboratory,
b) are prevented from migrating to other parts of the building,
c) do not accumulate in the ventilation system,
d) are exhausted to the outdoors, and
e) are not returned to the building.

CodeReference (including record number) 5.5.4.1.(1)-02
Attribution - functional statement/objective F02-OP1.2

Application

This applies in accordance with Clause 5.5.4.1.(1)(c) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Article 5.5.4.3., which applies to power-ventilated enclosures required in Article 5.5.4.2.

Intent
I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to damage to the building.

This applies in accordance with Clause 5.5.4.1.(1)(c) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Article 5.5.4.3., which applies to power-ventilated enclosures required in Article 5.5.4.2.

**Application**


This applies in accordance with Clause 5.5.4.1.(1)(c) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Article 5.5.4.3., which applies to power-ventilated enclosures required in Article 5.5.4.2.

**Intent**

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to harm to persons.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to harm to persons.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application


This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that insufficient ventilation will lead to the accumulation of vapours and particles to ignitable concentrations or as combustible deposits in areas where they can be ignited, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Confinement of dangerous goods in power-ventilated enclosures conforming to Articles 5.5.4.3. and 5.5.4.4. when
- their use releases flammable vapours or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

I1. To state the application of Articles 5.5.4.3. and 5.5.4.4.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.4.2.(2)-01
Attribution - functional statement/objective F02-OP1.2

CodeText

2) A power-ventilated enclosure required in Sentence (1) shall not be used for the storage of dangerous goods, and any quantity in excess of the supply necessary for normal operations shall conform to Subsection 5.5.5.

Application

A1. Storage of dangerous goods, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that an excessive combustible content will increase fire severity, which could lead to a fire in a power-ventilated enclosure beyond the point of origin and to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

A1. Storage of dangerous goods, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially
  explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible
liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or
explosion hazard.

Intent

I1. To limit the probability that an excessive combustible content will increase fire severity, which
  could lead to a fire in a power-ventilated enclosure beyond the point of origin and to other parts of
  the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Storage of dangerous goods, where, as stated in Sentence 5.5.4.2.(1),
   - the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
   - liquids are heated to a temperature equal to or greater than their flash point, or
   - Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Application

2) A power-ventilated enclosure required in Sentence (1) shall not be used for the storage of dangerous goods, and any quantity in excess of the supply necessary for normal operations shall conform to Subsection 5.5.5.

Intent

I1. To state the application of Subsection 5.5.5.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2., shall
a) conform to NFPA 91. “Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids,”
b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system, c) confine dangerous goods vapours and particles to the area where they are generated and exhaust them to the outdoors, d) not return the exhausted air to the building, and e) be provided with well identified control switches that are i) located outside of the power-ventilated enclosure, and ii) readily accessible in case of an emergency.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Application

A1. Exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies in accordance with Clauses 5.5.4.3.(1)(a), (c), and (d) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that vapours and particles will accumulate to ignitable concentrations or as combustible or reactive deposits in areas where they can be ignited, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2., shall
a) conform to NFPA 91, “Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids,”
b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system,
c) confine dangerous goods vapours and particles to the area where they are generated and exhaust them to the outdoors,
d) not return the exhausted air to the building, and
e) be provided with well identified control switches that are
   i) located outside of the power-ventilated enclosure, and
   ii) readily accessible in case of an emergency.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.5.(1).

Exception:
except as stated in Clauses 5.5.4.4.(1)(a) and 5.5.4.4.(1)(b), and Sentences 5.5.4.4.(2) and 5.5.4.4. (3), which apply to enclosure construction and combustibility.

Intent
H1. To limit the probability that combustible construction will increase fire severity, which could lead to the spread of a fire to other parts of the building, which could lead to damage to the building.

CodeReference (including record number) 5.5.4.3.(1)-02
Attribution - functional statement/objective F02-OP1.2

CodeText

1) The ventilation system for a power-ventilated enclosure required in Article 5.5.4.2. shall
   a) conform to NFPA 91, “Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids,”
   b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system,
   c) confine dangerous goods vapours and particles to the area where they are generated and exhaust them to the outdoors,
   d) not return the exhausted air to the building, and
   e) be provided with well identified control switches that are
      i) located outside of the power-ventilated enclosure, and
      ii) readily accessible in case of an emergency.

Application

A1. Construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
   - the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
   - liquids are heated to a temperature equal to or greater than their flash point, or
   - Class I liquids or unstable liquids are used.

This applies in accordance with Clause 5.5.4.3.(1)(a) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception:
except as stated in Clauses 5.5.4.4.(1)(a) and 5.5.4.4.(1)(b), and Sentences 5.5.4.4.(2) and 5.5.4.4. (3), which apply to enclosure construction and combustibility.
Application and intent of Division B provisions

A1. Construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.
This applies in accordance with Clause 5.5.4.3.(1)(a) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception: except as stated in Clauses 5.5.4.4.(1)(a) and 5.5.4.4.(1)(b), and Sentences 5.5.4.4.(2) and 5.5.4.4.(3), which apply to enclosure construction and combustibility.

Intent

I1. To limit the probability that combustible construction will increase fire severity, which could lead to the spread of a fire to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.5.4.3.(1)-04
Attribution - functional statement/objective F01-OS1.1

CodeText

1) The ventilation system for a power-ventilated enclosure required in Article 5.5.4.2. shall
   a) conform to NFPA 91, “Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and
      Noncombustible Particulate Solids,”
   b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of
      combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system,
   c) confine dangerous goods vapours and particles to the area where they are generated and exhaust
      them to the outdoors,
   d) not return the exhausted air to the building, and
   e) be provided with well identified control switches that are
      i) located outside of the power-ventilated enclosure, and
      ii) readily accessible in case of an emergency.

Application

A1. Exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence
   5.5.4.2.(1),
   - the use of the dangerous goods releases flammable vapours, or causes runaway or potentially
     explosive reactions,
   - liquids are heated to a temperature equal to or greater than their flash point, or
   - Class I liquids or unstable liquids are used.

   This applies in accordance with Clause 5.5.4.3.(1)(a) to laboratories where dangerous goods,
   including flammable liquids and combustible liquids, are used in normal laboratory operations in
   quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in
   Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that sparks or heat generated by the ventilation system will ignite vapours,
   particles or deposits, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Air velocity in exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.
This applies in accordance with Clause 5.5.4.3.(1)(b) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent
1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference: (including record number) 5.5.4.3.(1)-06
Attribution - functional statement/objective: F02-OS1.2 and F81-OS1.1

1) The ventilation system for a power-ventilated enclosure required in Article 5.5.4.2. shall
   a) conform to NFPA 91, “Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids,”
   b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system,
   c) confine dangerous goods vapours and particles to the area where they are generated and exhaust them to the outdoors,
   d) not return the exhausted air to the building, and
   e) be provided with well identified control switches that are
      i) located outside of the power-ventilated enclosure, and
      ii) readily accessible in case of an emergency.

2) This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Application

A1. Air velocity in exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
   - the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
   - liquids are heated to a temperature equal to or greater than their flash point, or
   - Class I liquids or unstable liquids are used.

This applies in accordance with Clause 5.5.4.3.(1)(b) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to harm to persons.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to harm to persons.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to harm to persons.
A1. Control switches for exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2. shall:

b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system,

c) confine dangerous goods vapours and particles to the area where they are generated and exhaust them to the outdoors,

d) not return the exhausted air to the building, and

e) be provided with well identified control switches that are:

i) located outside of the power-ventilated enclosure, and

ii) readily accessible in case of an emergency.

Application

A1. Control switches for exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.:

- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,

- liquids are heated to a temperature equal to or greater than their flash point, or

- Class I liquids or unstable liquids are used.

This applies in accordance with Clause 5.5.4.3.(1)(e) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that delays or ineffectiveness in shutting off the ventilation system will result in continued air movement in the ventilation system, which could lead to the spread of a fire in the power-ventilated enclosure to other parts of the building, which could lead to damage to the building.

I2. To limit the probability of delays or ineffectiveness in turning on the ventilation system in the event of the accidental release of ignitable vapours or particles, which could lead to a fire or explosion, which could lead to damage to the building.
A1. Control switches for exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
  a) conform to NFPA 91, “Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids,”
  b) provide continuous exhaust ventilation at an air velocity sufficient to prevent the accumulation of combustible or reactive deposits in the power-ventilated enclosure and its exhaust duct system,
  c) confine dangerous goods vapours and particles to the area where they are generated and exhaust them to the outdoors,
  d) not return the exhausted air to the building, and
  e) be provided with well identified control switches that are
     i) located outside of the power-ventilated enclosure, and
     ii) readily accessible in case of an emergency.

Application
A1. Control switches for exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
  a) the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
  b) liquids are heated to a temperature equal to or greater than their flash point, or
  c) Class I liquids or unstable liquids are used.

This applies in accordance with Clause 5.5.4.3.(1)(e) to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

I1. To limit the probability that delays or ineffectiveness in shutting off the ventilation system will result in continued air movement in the ventilation system, which could lead to the spread of a fire in the power-ventilated enclosure to other parts of the building, which could lead to harm to persons.

I2. To limit the probability of delays or ineffectiveness in turning on the ventilation system in the event of the accidental release of ignitable vapours or particles, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Removal of combustible or reactive deposits in exhaust ventilation systems for power-ventilated enclosures, where,
- these deposits can accumulate in the power-ventilated enclosure and its exhaust duct system and create a fire or explosion hazard, and
- as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to damage to the building.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to damage to the building.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to damage to the building.
2) Where the deposits referred to in Clause (1)(b) can accumulate in the power-ventilated enclosure and its exhaust duct system and create a fire or explosion hazard,
   a) provisions shall be made to remove such deposits so they do not create a fire or explosion hazard, or
   b) an automatic fire suppression system shall be provided.

Application

A1. Removal of combustible or reactive deposits in exhaust ventilation systems for power-ventilated enclosures, where,
   - these deposits can accumulate in the power-ventilated enclosure and its exhaust duct system and create a fire or explosion hazard, and
   - as stated in Sentence 5.5.4.2.(1),
   - the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
   - liquids are heated to a temperature equal to or greater than their flash point, or
   - Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to harm to persons.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to harm to persons.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to harm to persons.
A1. Automatic fire suppression systems in exhaust ventilation systems for power-ventilated enclosures, where,
- these deposits can accumulate in the power-ventilated enclosure and its exhaust duct system and create a fire or explosion hazard, and
- as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent
1. To state the application of Articles 2.1.3.5., 2.1.3.6., and 6.6.1.1. and Sentence 6.4.1.1.(1).
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Characteristics of materials for the construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours or particles being exhausted,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception: except as stated in Sentences 5.5.4.4.(2) and 5.5.4.4.(3), which apply to certain combustible materials.

Intent
1. To limit the probability that vapours or particles being exhausted will undergo an undesirable reaction with enclosure and duct construction material, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Characteristics of materials for the construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours and particles being exhausted,
- be provided with access doors to permit inspection and maintenance of the fan assembly and exhaust ducts,
- provided with means to control accidental spillage.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception: except as stated in Sentences 5.5.4.4.(2) and 5.5.4.4.(3), which apply to certain combustible materials.

I1. To limit the probability that combustible construction will increase fire severity, which could lead to the spread of fire to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

A1. Characteristics of materials for the construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours and particles being exhausted,
- be provided with access doors to permit inspection and maintenance of the fan assembly and exhaust ducts,
- be provided with instructions for its use and the operation of the ventilation system, and
- be provided with means to control accidental spillage.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception:
- except as stated in Sentences 5.5.4.4.(2) and 5.5.4.4.(3), which apply to certain combustible materials.

Intent
- To limit the probability that combustible construction will increase fire severity, which could lead to the spread of fire to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Characteristics of materials for construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception: except as stated in Sentences 5.5.4.4.(2) and 5.5.4.4.(3), which apply to certain combustible materials.

I1. To limit the probability that the ventilation system will prematurely deteriorate or fail, which could lead to the escape of vapours or particles in areas where they can be ignited, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Characteristics of materials for the construction of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours and particles being exhausted,
- be provided with access doors to permit inspection and maintenance of the fan assembly and exhaust ducts,
- be provided with instructions for its use and the operation of the ventilation system, and
- be provided with means to control accidental spillage.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception: except as stated in Sentences 5.5.4.4.(2) and 5.5.4.4.(3), which apply to certain combustible materials.

Intent

I1. To limit the probability that the ventilation system will prematurely deteriorate or fail, which could lead to the escape of hazardous vapours or particles, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

1) The power-ventilated enclosure required in Article 5.5.4.2. and its exhaust duct system shall
   a) except as provided in Sentences (2) and (3), be constructed of noncombustible materials
      compatible with and chemically resistant to the dangerous goods vapours and particles being
      exhausted,
   b) be provided with access doors to permit inspection and maintenance of the fan assembly and
      exhaust ducts,
   c) be provided with instructions for its use and the operation of the ventilation system, and
   d) be provided with means to control accidental spillage.

Intent

1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to
   an increase of the combustible content and fire severity, which could lead to the spread of a fire in
   the laboratory to other parts of the building, which could lead to damage to the building.

CodeText

F02-OP1.2

Attribution - functional statement/objective

5.5.4.4.(1)-06

CodeReference (including record number)

P02-OP1.2
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Access doors for inspection and maintenance of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

CodeText

1) The power-ventilated enclosure required in Article 5.5.4.2. and its exhaust duct system shall
a) except as provided in Sentences (2) and (3), be constructed of noncombustible materials compatible with and chemically resistant to the dangerous goods vapours and particles being exhausted,
b) be provided with access doors to permit inspection and maintenance of the fan assembly and exhaust ducts,
c) be provided with instructions for its use and the operation of the ventilation system, and
d) be provided with means to control accidental spillage.

Application

A1. Access doors for inspection and maintenance of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To limit the probability that combustible or reactive deposits will accumulate, which could lead to an increase of the combustible content and fire severity, which could lead to the spread of a fire in the laboratory to other parts of the building, which could lead to harm to persons.

I2. To limit the probability that combustible or reactive deposits will accumulate, which could lead to obstruction of the ventilation system and reduction of its exhaust capacity, which could lead to an explosive atmosphere, which in the presence of a source of ignition could lead to a fire or explosion, which could lead to harm to persons.

I3. To limit the probability that combustible or reactive deposits will accumulate on the blades of the exhaust fan, which could lead to its misalignment or improper operation, which could lead to the generation of sparks or heat and the ignition of deposits or explosive vapours or mists, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Instructions for use and operation of exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Application

1) The power-ventilated enclosure required in Article 5.5.4.2. and its exhaust duct system shall
a) except as provided in Sentences (2) and (3), be constructed of noncombustible materials compatible with and chemically resistant to the dangerous goods vapours and particles being exhausted,
b) be provided with access doors to permit inspection and maintenance of the fan assembly and exhaust ducts,
c) be provided with instructions for its use and the operation of the ventilation system, and
d) be provided with means to control accidental spillage.

Intent

I1. To limit the probability that improper use or operation of the ventilation system by laboratory personnel will lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Spill control measures for exhaust ventilation systems for power-ventilated enclosures, where, as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent
- To direct Alberta Fire Code 2006 users to Subsection 4.1.6.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Use of combustible materials in exhaust ventilation systems for power-ventilated enclosures, where
- these materials are required by the corrosive or reactive properties of the dangerous goods being used, and
- their flame-spread rating is not more than 25; and
- as stated in Sentence 5.5.4.2.(1),
- the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Exception:
except as stated in Sentence 5.5.4.4.(3), which applies to cases where an automatic fire suppression system is provided to control the spread of fire.

I1. To exempt combustible materials from the application of Clause 5.5.4.4.(1)(a) and permit their usage if
- noncombustible materials cannot be used because of their incompatibility, deterioration or dangerous reaction with the dangerous goods, and
- combustible materials [limited combustibility] will not contribute significantly to the spread of fire.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Flame-spread rating of combustible materials in exhaust ventilation systems for power-ventilated enclosures, where
- an automatic fire suppression system conforming to Subsection 2.1.3. is provided inside the power-ventilated enclosure and its exhaust duct system;
- these materials are required by the corrosive or reactive properties of the dangerous goods being used; and
- as stated in Sentence 5.5.4.2.(1), the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Application

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To override the requirement for a flame-spread rating of not more than 25 in Clause 5.5.4.4.(2)(b) and to permit a higher flame-spread rating if an automatic fire suppression system is provided. This is to limit the probability that a fire in the power-ventilated enclosure and exhaust duct system will spread to other parts of the building, which could lead to damage to the building.

I2. To state the application of Articles 2.1.3.5., and 2.1.3.6. with respect to automatic fire suppression systems protecting power-ventilated enclosures and exhaust duct systems.
Application and intent of Division B provisions

A1. Flame-spread rating of combustible materials in exhaust ventilation systems for power-ventilated enclosures, where
- an automatic fire suppression system conforming to Subsection 2.1.3. is provided inside the power-ventilated enclosure and its exhaust duct system;
- these materials are required by the corrosive or reactive properties of the dangerous goods being used; and
- as stated in Sentence 5.5.4.2.(1), the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Application

A1. Flame-spread rating of combustible materials in exhaust ventilation systems for power-ventilated enclosures, where
- an automatic fire suppression system conforming to Subsection 2.1.3. is provided inside the power-ventilated enclosure and its exhaust duct system;
- these materials are required by the corrosive or reactive properties of the dangerous goods being used; and
- as stated in Sentence 5.5.4.2.(1), the use of the dangerous goods releases flammable vapours, or causes runaway or potentially explosive reactions,
- liquids are heated to a temperature equal to or greater than their flash point, or
- Class I liquids or unstable liquids are used.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

A2. This also applies where perchloric acid is heated above normal ambient temperature, as stated in Sentence 5.5.5.5.(1).

Intent

I1. To override the requirement for a flame-spread rating of not more than 25 in Clause 5.5.4.4.(2)(b) and to permit a higher flame-spread rating if an automatic fire suppression system is provided.

This is to limit the probability that a fire in the power-ventilated enclosure and exhaust duct system will spread to other parts of the building, which could lead to harm to persons.

I2. To state the application of Articles 2.1.3.5., and 2.1.3.6. with respect to automatic fire suppression systems protecting power-ventilated enclosures and exhaust duct systems.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.5.1.(1)-01

Attribution - functional statement/objective F02-OS1.2

CodeText

A1. Limit on the quantities of dangerous goods, flammable liquids and combustible liquids kept in laboratories.

1) The quantity of dangerous goods kept in a laboratory shall be minimized and shall not exceed the lesser of
   a) the supply necessary for normal operation, or
   b) when located in
      i) a Group A, Division 2 educational or a Group D major occupancy, 300 L of flammable liquids and combustible liquids, of which not more than 50 L shall be Class I liquids, or
      ii) a Group B major occupancy, the quantities of flammable liquids and combustible liquids permitted in Sentence 4.2.6.3.(1).

(See Appendix A.)

Application

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
   except as stated in
   - Article 4.1.5.8., which applies to Class I liquids in basements, and
   - Clause 5.5.5.1.(1)(b), which applies to flammable liquids and combustible liquids in certain occupancies.

Intent

I1. To limit the probability that excessive quantities of combustible or reactive products will be involved in a fire, which could lead to an increase in fire severity, which could lead to the spread of fire in the laboratory to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Limit on the quantities of dangerous goods, flammable liquids and combustible liquids kept in the open in laboratories. This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
- Article 4.1.5.8., which applies to Class I liquids in basements, and
- Clause 5.5.5.1.(1)(b), which applies to flammable liquids and combustible liquids in certain occupancies.

Intent
11. To limit the probability that excessive quantities of combustible or reactive products will be involved in a fire, which could lead to an increase in fire severity, which could lead to the spread of fire in the laboratory to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Quantities of dangerous goods, flammable liquids and combustible liquids kept in the open for normal operation in laboratories. This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

Intent
I1. To limit the probability that excessive quantities of combustible or reactive products will be involved in a fire, which could lead to an increase in fire severity, which could lead to the spread of fire in the laboratory to other parts of the building, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.5.5.1.(1)-04
Attribution - functional statement/objective F02-OS1.2

CodeText

1) The quantity of dangerous goods kept in a laboratory shall be minimized and shall not exceed the lesser of:
   a) the supply necessary for normal operation, or
   b) when located in:
      i) a Group A, Division 2 educational or a Group D major occupancy, 300 L of flammable liquids and combustible liquids, of which not more than 50 L shall be Class I liquids, or
      ii) a Group B major occupancy, the quantities of flammable liquids and combustible liquids permitted in Sentence 4.2.6.3.(1).

(See Appendix A.)

CodeText

Application

A1. Quantities of dangerous goods, flammable liquids and combustible liquids kept in the open for normal operation in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

Intent

I1. To limit the probability that excessive quantities of combustible or reactive products will be involved in a fire, which could lead to an increase in fire severity, which could lead to the spread of fire in the laboratory to other parts of the building, which could lead to harm to persons.
A1. Limit on the quantities of dangerous goods, flammable liquids and combustible liquids kept in the open in laboratories located in Group B major occupancies, where quantities provided in Sentence 4.2.6.3.(1) are less than the supply necessary for normal operation referred to in Clause 5.5.5.1.(1)(a).

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

Intent
I1. To expand the application of the quantity limits in Sentence 4.2.6.3.(1).
Application and intent of Division B provisions

A1. Quantities of dangerous goods, flammable liquids and combustible liquids kept in the open in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
- Article 4.1.5.8., which applies to Class I liquids in basements, and
- Clause 5.5.5.1.(1)(b), which applies to flammable liquids and combustible liquids in certain occupancies.

Intent
H1. To exempt laboratories from the application of Article 4.2.8.2. and to reduce the quantities otherwise permitted [600 L in containers] to be kept in the open in an industrial occupancy.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Storage of flammable liquids and combustible liquids in excess of the quantities allowed to be kept in the open in Sentence (1) shall be stored in:
a) cabinets conforming to Subsection 4.2.10. except that, in laboratories described in Clause (1)(b), the total quantity of flammable liquids and combustible liquids stored in such cabinets shall not exceed the quantity permitted for one cabinet, or
b) a room conforming to Subsection 4.2.9.

Exception:
- for cabinets referred to in Clause 5.5.5.1.(2)(a), in laboratories located in Group B major occupancies, and
- as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

I1. To state the application of Subsections 4.2.9. and 4.2.10.
Application and intent of Division B provisions

**CodeReference**
5.5.5.1.(2)-02

**Attribution - functional statement/objective**
Not applicable

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**CodeText**

2) Quantities of flammable liquids and combustible liquids in excess of those permitted in Sentence (1) shall be stored in:
   a) cabinets conforming to Subsection 4.2.10. except that, in laboratories described in Clause (1)(b),
      the total quantity of flammable liquids and combustible liquids stored in such cabinets shall not exceed the quantity permitted for one cabinet, or
   b) a room conforming to Subsection 4.2.9.

**Application**

A1. Storage of flammable liquids and combustible liquids, in excess of the quantities allowed to be kept in the open in Sentence 5.5.5.1.(1), in cabinets referred to in Clause 5.5.5.1.(2)(a), in laboratories located in Group B major occupancies.

   This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

   Exception:
   except as stated in Article 4.1.5.8. for Class I liquids in basements.

**Intent**

I1. To exempt cabinets in a laboratory located in a Group B major occupancy from the application of Sentence 4.2.10.3.(1) and to reduce the quantities otherwise permitted [3 cabinets] in a fire compartment.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Storage, outside a laboratory, of dangerous goods, other than flammable liquids and combustible liquids, in excess of those necessary for normal operation, as permitted in Sentence 5.5.5.1.(1) to be kept in the open.

This applies to laboratories where dangerous goods, other than flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

I1. To limit the probability that excessive quantities of combustible or reactive products will be involved in a fire, which could lead to an increase in fire severity, which could lead to the spread of the fire in the laboratory to other parts of the building, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Storage, outside a laboratory, of dangerous goods, other than flammable liquids and combustible liquids, in excess of those permitted in Sentence (1) to be kept in the open.

Exception: except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

This applies to laboratories where dangerous goods, other than flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that excessive quantities of combustible or reactive products will be involved in a fire, which could lead to an increase in fire severity, which could lead to the spread of fire in the laboratory to other parts of the building, which could lead to harm to persons.
### Application and intent of Division B provisions

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#### CodeText

3) Quantities of dangerous goods other than flammable liquids and combustible liquids in excess of those permitted in Sentence (1) shall be stored outside of the laboratory in conformance with Part 3.

#### Application

A1. Storage of dangerous goods, other than flammable liquids and combustible liquids, outside of laboratories.

This applies to laboratories where dangerous goods, other than flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception: except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

#### Intent

11. To direct Alberta Fire Code 2006 users to Part 3 of Division B.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Containers for flammable liquids or combustible liquids in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Exception:
- Article 4.1.5.8., which applies to Class I liquids in basements, and
- Sentence 5.5.5.2.(2), which applies to safety containers.

CodeText
1) Except as provided in Sentences (2) and (3), flammable liquids or combustible liquids in a laboratory shall be kept in containers conforming to Subsection 4.2.3.

Application
- Article 4.2.3.
- Sentence 5.5.5.2.(2)

Intent
- To direct Alberta Fire Code 2006 users to Subsection 4.2.3.
Application and intent of Division B provisions

Alberta Fire Code 2006

5.5.5.2.(2)-01
F02,F04-OS1.2 and F43,F01-OS1.1

Application

2) Where Class I liquids are required to be kept in individual containers having a capacity greater than 5 L in a laboratory, such containers shall
a) be safety containers conforming to ULC/ORD-C30, “Safety Containers,” and
b) have a capacity of not more than 25 L.

Exception:
except as stated in Article 4.1.5.8., which applies to Class I liquids in basements.

Intent

I1. To remove the prohibition in Sentence 4.1.5.8.(1) to store Class I liquids in basements if the liquids are
- in sufficiently limited quantities that they do not pose a serious fire hazard, and
- in containers that will reduce the risk of release and ignition of vapours and the risk of spillage under normal conditions, and are less likely to explode under fire conditions.

I2. To override the choices offered in Clauses 4.2.3.1.(1)(a) to (e).

I3. To limit the probability of the release and ignition of vapours and the escape of liquids under normal conditions, and rupture and explosion of the container under fire conditions, which could lead to harm to persons.

I4. To state the application of Clause 4.2.3.1.(1)(d) with respect to the design and construction of safety containers.
3) Containers of flammable liquids or combustible liquids shall be kept closed when not in use.

Application
A1. Closing of containers, when not in use, for flammable liquids and combustible liquids in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent
11. To limit the probability that vapours will be released or that flammable or combustible liquids will escape, which could lead to a fire or explosion in the presence of a source of ignition, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference**  (including record number)  5.5.5.3.(1)-01
**Attribution - functional statement/objective**  F81-OS1.1

---

**CodeText**

1) Storage cylinders and piping systems for Class 2 gases used in a laboratory shall be firmly secured and protected against mechanical damage.

**Application**

A1. Securing and protection [against mechanical damage] of storage cylinders and piping systems for Class 2 gases used in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

II. To limit the probability that storage cylinders or piping systems will be physically damaged, which could lead to the release of compressed gases, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Securing and protection [against mechanical damage] of storage cylinders and piping systems for Class 2 gases used in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Application

1. Securing and protection [against mechanical damage] of storage cylinders and piping systems for Class 2 gases used in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

1. To limit the probability that storage cylinders or piping systems will be physically damaged, which could lead to the release of compressed gases, which could lead to harm to persons, including emergency responders.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.5.5.3.(2)-01
Attribution - functional statement/objective F12-OP1.2

Application

F12-OP1.2

Application

Each point of supply and each point of use of cylinders or piping systems for Class 2 gases shall be provided with:

1. labels identifying the gas being supplied, and
2. a manual shut-off valve.

Application

A1. Manual shut-off valves at each point of supply and each point of use of cylinders and piping systems for Class 2 gases in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that delays in shutting off the gas supply will lead to the unwanted release of gases, which could lead to a fire or explosion, or the spread of fire to other parts of the building, which could lead to damage to the building.
Alberta Fire Code 2006

Application and intent of Division B provisions

**CodeReference**  (including record number)  5.5.5.3.(2)-02

**Attribution - functional statement/objective**  F81-OS1.1 and F12-OS1.1,OS1.2

**CodeText**

2) Each point of supply and each point of use of cylinders or piping systems for Class 2 gases shall be provided with

a) labels identifying the gas being supplied, and

b) a manual shut-off valve.

**Application**

A1. Identification labels at each point of supply and each point of use of cylinders and piping systems for Class 2 gases in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

I1. To limit the probability that inappropriate actions by laboratory personnel or emergency responders will lead to the unwanted release or mixing of gases, which could lead to a fire or explosion, which could lead to harm to persons, including emergency responders.

I2. To limit the probability that delays or ineffectiveness in conducting firefighting or spill control operations will lead to a fire or explosion, or in a fire spreading beyond the point of origin, which could lead to harm to persons, including emergency responders.
A1. Identification labels at each point of supply and each point of use of cylinders and piping systems for Class 2 gases in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

2) Each point of supply and each point of use of cylinders or piping systems for Class 2 gases shall be provided with
a) labels identifying the gas being supplied, and
b) a manual shut-off valve.

I1. To limit the probability that inappropriate actions by laboratory personnel or emergency responders will lead to the unwanted release or mixing of gases, which could lead to harm to persons, including emergency responders.
Application and intent of Division B provisions

Application
A1. Identification labels at each point of supply and each point of use of cylinders and piping systems for Class 2 gases shall be provided with
a) labels identifying the gas being supplied, and
b) a manual shut-off valve.

Intent
I1. To limit the probability that delays or ineffectiveness in conducting firefighting or spill control operations will lead to a fire or explosion, or in a fire spreading beyond the point of origin, which could lead to damage to the building.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Manual shut-off valves at each point of supply and each point of use of cylinders and piping systems for Class 2 gases in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that delays in shutting off the gas supply will lead to the unwanted release of gases, which could lead to a fire or explosion, or the spread of fire to other parts of the building, which could lead to harm to persons.

CodeReference (including record number) 5.5.5.3.(2)-05
Attribution - functional statement/objective F12-OS1.1,OS1.2

CodeText

2) Each point of supply and each point of use of cylinders or piping systems for Class 2 gases shall be provided with
a) labels identifying the gas being supplied, and
b) a manual shut-off valve.
**Application and intent of Division B provisions**

### CodeReference

<table>
<thead>
<tr>
<th>(including record number)</th>
<th>F12-OS3.4</th>
</tr>
</thead>
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### Attribution - functional statement/objective

5.5.5.3.(2)-06

### CodeText

2) Each point of supply and each point of use of cylinders or piping systems for Class 2 gases shall be provided with:

a) labels identifying the gas being supplied, and

b) a manual shut-off valve.

---

### Application

A1. Manual shut-off valves at each point of supply and each point of use of cylinders and piping systems for Class 2 gases in laboratories.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

### Intent

I1. To limit the probability that delays in shutting off the gas supply will lead to the unwanted release of gases, which could lead to harm to persons, including emergency responders.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.5.3.(3)-01
**Attribution - functional statement/objective** F43-OS1.1

**CodeText**

3) A Class 2 gas cylinder valve shall be closed when not in use.

**Application**

A1. Closing, when not in use, of Class 2 gas cylinder valves.

This applies to laboratories where **dangerous goods**, including **flammable liquids** and **combustible liquids**, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

11. To limit the probability that gases will be released from cylinders when not in use, which could lead to a fire or explosion, which could lead to harm to persons.
<table>
<thead>
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<tr>
<td>5.5.5.3.(3)-02</td>
<td>F43-OS3.4</td>
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</table>

**Application**

3) A Class 2 gas cylinder valve shall be closed when not in use.

**Intent**

1. To limit the probability that gases will be released from cylinders when not in use, which could lead to harm to persons, including emergency responders.
Application and intent of Division B provisions

Application

A1. Identification placards for refrigerators required to keep Class I liquids at a temperature below normal ambient conditions.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To expand the application of Article 3.2.7.14.
Application and intent of Division B provisions

 Alberta Fire Code 2006

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Application

2) Class I liquids that are stored in refrigerators shall be kept in closed containers.

Intent

I1. To limit the probability that vapours will be released, or that flammable liquids or combustible liquids will escape, which could lead to a fire or explosion in the presence of a source of ignition, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

**CodeReference** (including record number) 5.5.5.5.(1)-01

**Attribution - functional statement/objective** Not applicable

---

1. Where unstable substances, such as perchloric acid, are heated above normal ambient temperature, it shall be done in a separate power-ventilated enclosure:
   a) conforming to Articles 5.5.4.3. and 5.5.4.4., and
   b) displaying conspicuously posted instructions specifying that the enclosure is to be used for this application only.

---

**CodeText**

1. To expand the application of Articles 5.5.4.3. and 5.5.4.4., which would otherwise apply where dangerous goods are used in laboratories, to areas in laboratories where unstable substances are heated above normal ambient temperature.

---

**Application**

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

---

**Intent**

I1. To expand the application of Articles 5.5.4.3. and 5.5.4.4., which would otherwise apply where dangerous goods are used in laboratories, to areas in laboratories where unstable substances are heated above normal ambient temperature.
Application and intent of Division B provisions

**Application**

1) Where unstable substances, such as perchloric acid, are heated above normal ambient temperature, it shall be done in a separate power-ventilated enclosure:
   a) conforming to Articles 5.5.4.3. and 5.5.4.4., and
   b) displaying conspicuously posted instructions specifying that the enclosure is to be used for this application only.

**Intent**

I1. To limit the probability that vapours or deposits of unstable substances, such as perchloric acid, will react with incompatible products or materials, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Washing of power-ventilated enclosures and exhaust duct systems installed in laboratories where unstable substances, such as perchloric acid, are heated above normal ambient temperature. This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Application

F01-OP1.1 and F02-OP1.2

Attribution - functional statement/objective

5.5.5.5.(2)-01

CodeReference (including record number)

2) The power-ventilated enclosure required by Sentence (1) as well as its exhaust duct system shall be washed after each use to prevent the accumulation of highly unstable deposits. (See Appendix A.)

CodeText

2) The power-ventilated enclosure required by Sentence (1) as well as its exhaust duct system shall be washed after each use to prevent the accumulation of highly unstable deposits. (See Appendix A.)

Intent

I1. To limit the probability that reactive deposits will accumulate, which, in the event of a fire, could lead to the spread of fire to other parts of the building, which could lead to damage to the building or facility.

To limit the probability that reactive deposits will accumulate, which, in the event of a fire, could lead to the spread of fire to other parts of the building, which could lead to damage to the building or facility.
Application and intent of Division B provisions

### CodeReference (including record number)
5.5.5.(2)-02
F01-OS1.1 and F02-OS1.2

### Attribution - functional statement/objective

#### CodeText

1. Washing of power-ventilated enclosures and exhaust duct systems installed in laboratories where unstable substances, such as perchloric acid, are heated above normal ambient temperature. This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

2) The power-ventilated enclosure required by Sentence (1) as well as its exhaust duct system shall be washed after each use to prevent the accumulation of highly unstable deposits. (See Appendix A.)

#### Application

A1. Washing of power-ventilated enclosures and exhaust duct systems installed in laboratories where unstable substances, such as perchloric acid, are heated above normal ambient temperature. This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

#### Intent

11. To limit the probability that reactive deposits will accumulate, which could lead to a fire or explosion or to the spread of fire beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

**Alberta Fire Code 2006**

**Application**

A1. Method of heating unstable substances, such as perchloric acid.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

**Intent**

I1. To limit the probability that unstable substances, such as perchloric acid, will be ignited or overheated, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference 5.5.5.6.(1)-01
Attribution - functional statement/objective F81-OS1.1

CodeText

1) Wastes from dangerous goods shall be
a) identified to prevent accidental mixing of incompatible chemicals, and
b) included in the quantities specified in Article 5.5.5.1.

Application

A1. Identification of wastes from dangerous goods, including flammable liquids and combustible liquids.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To limit the probability that incompatible products will be accidentally mixed, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Quantities of wastes from dangerous goods, including flammable liquids and combustible liquids.

This applies to laboratories where dangerous goods, including flammable liquids and combustible liquids, are used in normal laboratory operations in quantities or in a manner that creates a fire or explosion hazard.

Intent

I1. To clarify that Article 5.5.5.1 applies to wastes as well as to new products.
### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
<th>5.6.1.1.(1)-01</th>
</tr>
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<tbody>
<tr>
<td>Attribution - functional statement/objective</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

#### CodeText

1) This Section applies to fire safety for buildings, parts of buildings, facilities, adjacent buildings or facilities and associated areas undergoing construction, alteration or demolition operations.

#### Application

- **A1.** Fire safety for buildings, parts of buildings, facilities, adjacent buildings or facilities and associated areas undergoing construction, alteration or demolition operations.

#### Intent

- **I1.** To state the application of Section 5.6.
Application and intent of Division B provisions

Application

A1. Protection shall be provided for exposed adjacent buildings or facilities from fire originating from buildings, parts of buildings, facilities and associated areas undergoing construction, alteration or demolition operations. (See Appendix A.)

Intent

I1. To limit the probability that
- emergency responders and persons on site will not be notified of a fire emergency,
- emergency responders will be delayed in carrying out their duties,
- site personnel will be unaware of procedures to be followed after initiation of a fire warning,
- site personnel will not be designated and organized to undertake fire safety duties,
- procedures to confine, control, and extinguish a fire will not be established.

This is to limit the probability of delays or ineffectiveness in conducting firefighting operations, which could lead to damage to adjacent buildings and facilities.

I2. To limit the probability that
- fire hazards will not be controlled,
- building facilities, systems, equipment and devices related to fire protection will not be properly maintained.

This is to limit the probability of the start or spread of fire, which could lead to damage to adjacent buildings and facilities.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.6.1.3,(1)-01
Attribution - functional statement/objective F11,F13,F12-OS1.2,OS1.5 and F01,F82-OS1.1 and F02,F82-OS1.2

CodeText

2) Except as required in Sentence (2), prior to the commencement of construction, alteration or demolition operations, a fire safety plan shall be prepared for the site and shall include
a) the designation and organization of site personnel to carry out fire safety duties, including a fire watch service if applicable,
b) the emergency procedures to be followed in the event of a fire, including
i) initiating a fire warning,
ii) notifying the fire department,
iii) instructing site personnel on the procedures to be followed once the warning has been initiated, and
iv) confining, controlling and extinguishing the fire,
c) measures for controlling fire hazards in and around the building (see Appendix A), and
d) a maintenance procedure for firefighting measures required in Section 5.6.

Application

A1. Fire safety plans for a site at which buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition operations.

Intent

I1. To limit the probability that
- emergency responders and persons on site will not be notified of a fire emergency,
- emergency responders will be delayed in carrying out their duties,
- site personnel will be unaware of procedures to be followed after initiation of a fire warning,
- site personnel will not be designated and organized to undertake fire safety duties,
- procedures to confine, control, and extinguish a fire will not be established.

This is to limit the probability of delays or ineffectiveness in conducting firefighting operations or in the evacuation or movement of persons to a safe place, which could lead to harm to persons.

I2. To limit the probability that
- fire hazards will not be controlled,
- building facilities, systems, equipment and devices related to fire protection will not be properly maintained.

This is to limit the probability of the start or spread of fire, which could lead to harm to persons.
2) Except as required in Sentence (2), prior to the commencement of construction, alteration or demolition operations, a fire safety plan shall be prepared for the site and shall include
   a) the designation and organization of site personnel to carry out fire safety duties, including a fire watch service if applicable,
   b) the emergency procedures to be followed in the event of a fire, including
      i) initiating a fire warning,
      ii) notifying the fire department,
      iii) instructing site personnel on the procedures to be followed once the warning has been initiated, and
      iv) confining, controlling and extinguishing the fire,
   c) measures for controlling fire hazards in and around the building (see Appendix A), and
   d) a maintenance procedure for firefighting measures required in Section 5.6.

I1. To limit the probability that
   - emergency responders and site personnel will not be notified of a fire emergency,
   - site personnel will be unaware of procedures to be followed after initiation of a fire warning,
   - site personnel will not be designated and organized to undertake fire safety duties,
   - procedures to confine, control, and extinguish a fire will not be established.

This is to limit the probability of delays or ineffectiveness in conducting firefighting operations, which could lead to damage to the building or facility.

I2. To limit the probability that
   - fire hazards will not be controlled,
   - building facilities, systems, equipment and devices related to fire protection will not be properly maintained.

This is to limit the probability of the start or spread of fire, which could lead to damage to the building or facility.
Where construction, alteration or demolition operations occur in an existing building that is required to have a fire safety plan conforming to Section 2.8., the fire safety plan shall take into account the changes occurring to the building.

Application
A1. Revisions to a fire safety plan to take into account changes to the building occurring during construction, alteration, or demolition operations.

This applies to:
- a building containing an assembly occupancy or a care or detention occupancy,
- a building required by the Alberta Building Code 2006 to have a fire alarm system,
- a building containing storage areas required to have a fire safety plan in conformance with Articles 3.2.2.6., 3.3.2.9. and 3.3.6.7.,
- areas where flammable liquids or combustible liquids are stored or handled, in conformance with Article 4.1.5.5.,
- areas where hazardous processes or operations occur, in conformance with Article 5.1.5.1.

Intent
I1. To direct the Alberta Fire Code 2006 user to Section 2.8.
I2. To clarify that the fire safety plan for a building must take into account changes to the building.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.6.1.4.(1)-01
**Attribution - functional statement/objective** F12-OS1.2.OS1.5

**CodeText**

1) Unobstructed access to fire hydrants, portable extinguishers and to fire department connections for standpipe and sprinkler systems shall be maintained.

**Application**

A1. Access to fire hydrants, portable extinguishers and to fire department connections for standpipe and sprinkler systems.

This applies to buildings, parts of buildings, facilities, adjacent buildings or facilities undergoing construction, alteration or demolition operations.

**Intent**

I1. To limit the probability that emergency responders will be delayed in accessing fire protection equipment, which could lead to delays in carrying out fire suppression operations using the equipment, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Provision of means to assist fire department personnel in conducting fire fighting operations on all levels of a building undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that a lack of means for fire department personnel to undertake fire fighting operations throughout a building will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to damage to the building or to a facility.
Application and intent of Division B provisions

CodeReference (including record number) 5.6.1.4.(2)-02
Attribution - functional statement/objective F12-OS1.2,OS1.5

CodeText

2) A means shall be provided for firefighters to allow for firefighting on all levels of the building.

Application

A1. Provision of means to assist fire department personnel in conducting fire fighting operations on all levels of a building undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that a lack of means for fire department personnel to undertake fire fighting operations throughout a building will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.

I2. To limit the probability that emergency responders will be delayed in carrying out fire emergency operations [e.g., rescue operations], which could lead to delays in the evacuation or movement of persons to a safe place, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number)  5.6.1.4.(3)-01
**Attribution - functional statement/objective**  F12-OP1.2

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### CodeText

3) Provision shall be made for the use of existing elevators, hoists or lifts to assist such personnel in reaching all levels of the building.

### Application

A1. Provision for use of elevating devices to assist fire department personnel in reaching all levels of a building undergoing construction, alteration or demolition.

### Intent

I1. To limit the probability that a lack of access will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to damage to the building or to a facility.
Application and intent of Division B provisions

Application

A1. Provision for use of existing elevators, hoists or lifts to assist such personnel in reaching all levels of the building.

Intent

I1. To limit the probability that a lack of access will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.

I2. To limit the probability that emergency responders will be delayed in carrying out fire emergency operations [e.g. rescue operations], which could lead to delays in the evacuation or movement of persons to a safe place, which could lead to harm to persons.
### Alberta Fire Code 2006

**Application and intent of Division B provisions**

| CodeReference (including record number) | 5.6.1.4.(4)-01 |
| Attribution - functional statement/objective | F12-O51.2,OS1.5 |

#### CodeText

4) Access routes for fire department vehicles shall be provided and maintained to construction and demolition sites.

#### Application

A1. Provision of access routes for fire department vehicles to sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

#### Intent

I1. To limit the probability that a lack of site access will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.

I2. To limit the probability that emergency responders will be delayed in carrying out fire emergency operations [e.g. rescue operations], which could lead to delays in the evacuation or movement of persons to a safe place, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number)  5.6.1.4.(4)-02
Attribution - functional statement/objective  F12-OP1.2

CodeText
4) Access routes for fire department vehicles shall be provided and maintained to construction and demolition sites.

Application
A1. Provision of access routes for fire department vehicles to sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent
I1. To limit the probability that a lack of site access will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to damage to buildings and facilities.
### Application and intent of Division B provisions

**CodeReference**  5.6.1.4.(5)-01
**Attribution - functional statement/objective**  F12-OS1.2, OS1.5

#### CodeText

5) Where a construction or demolition site is fenced so as to prevent general entry, provision shall be made for access by fire department equipment and personnel.

#### Application

A1. Access by fire department personnel with their equipment to construction or demolition sites that are fenced to prevent general entry.

This applies at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

#### Intent

I1. To limit the probability that emergency responders will be delayed in carrying out fire emergency operations [e.g., rescue operations], which could lead to delays in the evacuation or movement of persons to a safe place, which could lead to harm to persons.

I2. To limit the probability that a lack of site access will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.
### Alberta Fire Code 2006

**Application and intent of Division B provisions**

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<td>Attribution - functional statement/objective</td>
<td>F12-OP1.2</td>
</tr>
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</table>

#### CodeText

5) Where a construction or demolition site is fenced so as to prevent general entry, provision shall be made for access by fire department equipment and personnel.

#### Application

A1. Access by fire department personnel with their equipment to construction or demolition sites that are fenced to prevent general entry.

This applies at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

#### Intent

I1. To limit the probability that a lack of site access will lead to delays during firefighting operations, which could lead to the spread of fire beyond the point of origin, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference  (including record number)  5.6.1.5.(1)-01
Attribution - functional statement/objective  F12-OP1.2

CodeText
1) In addition to the other requirements of this Code, portable extinguishers shall be provided in unobstructed and easily accessible locations
a) where hot work operations are carried out,
b) where combustibles are stored,
c) near internal combustion engines,
d) where combustible liquids, flammable liquids or gases are stored or handled, and
e) where temporary fuel-fired equipment is used.

Application
A1. Location of portable extinguishers at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent
'T1. To limit the probability of delays in locating and reaching portable extinguishers, which could lead to delays in carrying out fire suppression operations using portable extinguishers, which could lead to the spread of fire beyond the point of origin, which could lead to damage to the building or facility.'
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

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<tr>
<td>5.6.1.5.(1)-02</td>
<td>F12-OS1.2</td>
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#### CodeText

1) In addition to the other requirements of this Code, portable extinguishers shall be provided in unobstructed and easily accessible locations:
   a) where hot work operations are carried out,
   b) where combustibles are stored,
   c) near internal combustion engines,
   d) where combustible liquids, flammable liquids or gases are stored or handled, and
   e) where temporary fuel-fired equipment is used.

#### Application

A1. Location of portable extinguishers at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

#### Intent

'11. To limit the probability of delays in locating and reaching portable extinguishers, which could lead to delays in carrying out fire suppression operations using portable extinguishers, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.'
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Minimum rating of portable extinguishers
- on moveable equipment, and
- in all other locations.

This applies at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To supersede the ratings specified in Article 2.1.5.1.

This is to limit the probability of ineffectiveness in carrying out fire suppression operations using inadequate portable extinguishers, which could lead to the spread of fire beyond the point of origin, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Minimum rating of portable extinguishers
- on moveable equipment, and
- in all other locations.

This applies at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

I1. To supersede the ratings specified in Article 2.1.5.1.

This is to limit the probability of ineffectiveness in carrying out fire suppression operations using inadequate portable extinguishers, which could lead to the spread of fire beyond the point of origin, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Design, construction and progressive installation of a standpipe system in a building under construction, if a standpipe system is required to be installed in the completed building.

Application

1) Where a standpipe system is to be installed in a building under construction or alteration, the system shall be installed progressively in conformance with Subsection 3.2.5. of Division B of the Alberta Building Code 2006 in areas permitted to be occupied.

CodeText

I1. To limit the probability that a standpipe system will not be available for use by emergency responders in a fire situation, which could lead to the fire not being suppressed or controlled, which could lead to the spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number)  5.6.1.6.(1)-02
**Attribution - functional statement/objective** F02.F12-OP1.2

**CodeText**

1) Where a standpipe system is to be installed in a building under construction or alteration, the system shall be installed progressively in conformance with Subsection 3.2.5. of Division B of the Alberta Building Code 2006 in areas permitted to be occupied.

**Application**

A1. Design, construction and progressive installation of a standpipe system in a building under construction, if a standpipe system is required to be installed in the completed building.

**Intent**

I1. To limit the probability that a standpipe system will not be available for use by emergency responders in a fire situation, which could lead to the fire not being suppressed or controlled, which could lead to the spread of fire, which could lead to damage to a building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.6.(1)-03
Attribution - functional statement/objective Not applicable

1) Where a standpipe system is to be installed in a building under construction or alteration, the system shall be installed progressively in conformance with Subsection 3.2.5. of Division B of the Alberta Building Code 2006 in areas permitted to be occupied.

Application

A1. Design, construction and progressive installation of a standpipe system in a building under construction, if a standpipe system is required to be installed in the completed building.

Intent

I1. To state the application of Subsection 3.2.5. of Division B of the Alberta Building Code 2006.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.6.(2)-01
Attribution - functional statement/objective F02.F12-O51.2

2) Where a standpipe is to be installed in portions of a building under construction or alteration that is not occupied

a) a permanent or temporary standpipe system is permitted in accordance with Clauses (b) and (c),
b) the standpipe system shall be provided with conspicuously marked and readily accessible fire department connections on the outside of the building at the street level and shall have at least one hose outlet at each floor,
c) the pipe size, hose valves and water supply shall be in accordance with Subsection 3.2.5. of Division B of the Alberta Building Code 2006,
d) the standpipes system shall, as a minimum, be securely supported and restrained at each alternate floor,
e) at least one hose valve for attaching fire department hose shall be provided at each intermediate landing or floor level in the exit stairway,
f) hose valves shall be kept closed at all times and guarded against mechanical damage,
g) the standpipe shall be not more than one floor below the highest forms, staging, and similar combustibles at all times, and
h) temporary standpipe systems shall remain in service until permanent standpipe installation is complete.

Application

A1. Installation of a permanent or temporary standpipe in a building while under construction or alteration provided the building is not occupied.

Intent

I1. To limit the probability that a lack of an effective standpipe system within a building that is under construction or alteration would delay emergency responders in carrying out their duties, which could result in delays or ineffectiveness in conducting firefighting operations, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.6.1.6.(2)-02
**Attribution - functional statement/objective** F02.F12-OP1.2

**CodeText**

2) Where a standpipe is to be installed in portions of a building under construction or alteration that is not occupied
   a) a permanent or temporary standpipe system is permitted in accordance with Clauses (b) and (c),
   b) the standpipe system shall be provided with conspicuously marked and readily accessible fire department connections on the outside of the building at the street level and shall have at least one hose outlet at each floor,
   c) the pipe size, hose valves and water supply shall be in accordance with Subsection 3.2.5. of Division B of the Alberta Building Code 2006,
   d) the standpipes system shall, as a minimum, be securely supported and restrained at each alternate floor,
   e) at least one hose valve for attaching fire department hose shall be provided at each intermediate landing or floor level in the exit stairway,
   f) hose valves shall be kept closed at all times and guarded against mechanical damage,
   g) the standpipe shall be not more than one floor below the highest forms, staging, and similar combustibles at all times, and
   h) temporary standpipe systems shall remain in service until permanent standpipe installation is complete.

**Application**

A1. Installation of a permanent or temporary standpipe in a building while under construction or alteration provided the building is not occupied.

**Intent**

I1. To limit the probability that a lack of an effective standpipe system within a building that is under construction or alteration would delay emergency responders in carrying out their duties, which could result in delays or ineffectiveness in conducting firefighting operations, which could lead to spread of fire, which could lead to damage to buildings and facilities.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Maintaining a standpipe system in operable condition, together with fire department connections and valves, on all storeys below the one being demolished.

This applies to a building being demolished floor by floor that is equipped with a standpipe system.

Exception: except the storey immediately below the one being demolished.

Intent

I1. To limit the probability that a standpipe system will not operate as intended, which could lead to it being ineffective in suppressing or controlling a fire, which could lead to the spread of fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number)  5.6.1.6.(3)-02
Attribution - functional statement/objective  F12.F82-OS1.2

CodeText

3) Where a building being demolished floor by floor is equipped with a standpipe system, the system, together with fire department connections and valves, shall be maintained in operable condition on all storeys below the one being demolished, except for the storey immediately below it.

Application

A1. Maintaining a standpipe system in operable condition, together with fire department connections and valves, on all storeys below the one being demolished.

This applies to a building being demolished floor by floor that is equipped with a standpipe system.

Exception:

except the storey immediately below the one being demolished.

Intent

11. To limit the probability that a standpipe system will not operate as intended, which could lead to it being ineffective in suppressing or controlling a fire, which could lead to the spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.6.1.7.(1)-01
Attribution - functional statement/objective  F01-OS1.1

CodeText

1) Any activity that involves heat sources and hot processes shall be considered hot works and shall conform to the requirements in Sentences (2) and (3) and Section 5.2.

Application
A1. Activities that involve heat sources or hot processes at at a site where a building or a part of a building is undergoing construction, alteration or demolition.

Intent
I1. To limit the probability that unsafe activities involving heat sources and hot processes would initiate a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.7.(1)-02
Attribution - functional statement/objective F01-OP1.1

CodeText

1) Any activity that involves heat sources and hot processes shall be considered hot works and shall conform to the requirements in Sentences (2) and (3) and Section 5.2.

Application

A1. Activities that involve heat sources or hot processes at at a site where a building or a part of a building is undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that unsafe activities involving heat sources and hot processes would initiate a fire or explosion, which could lead to damage to buildings or facilities.
Application and intent of Division B provisions

CodeReference (including record number)  5.6.1.7.(1)-03
Attribution - functional statement/objective  Not applicable

CodeText

1) Any activity that involves heat sources and hot processes shall be considered hot works and shall conform to the requirements in Sentences (2) and (3) and Section 5.2.

Intent

I. To direct the Alberta Fire Code 2006 user to Sentences 5.6.1.7.(2) and (3) and Section 5.2. for requirements pertaining to activities involving heat sources and hot processes.
Application and intent of Division B provisions

CodeReference (including record number) 5.6.1.7.(2)-01
Attribution - functional statement/objective F01-OS1.1

CodeText

2) Bitumen kettles shall
a) not be located on roofs,
b) be provided with adequate metal covers that are close-fitting and constructed of steel having a thickness of not less than No. 14 standard gauge,
c) be under constant supervision when in operation, and
d) be maintained free of excessive residue.

Application

A1. Location of and supervision and operation of bitumen heating equipment used at a site where a building or a part of a building is undergoing construction or alteration.

A2. Metal covers for bitumen heating equipment used at a site where a building or a part of a building is undergoing construction or alteration.

Intent

I1. To limit the probability that a fire involving the bitumen heating equipment will ignite adjacent materials, which could lead to harm to persons.

I2. To limit the probability that malfunction, overheating or improper use of the bitumen heating equipment will lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference: (including record number) 5.6.1.7.(2)-02
Attribution - functional statement/objective: F01-OP1.1

Application and intent of Division B provisions

Application

A1. Location of and supervision and operation of bitumen heating equipment used at a site where a building or a part of a building is undergoing construction or alteration.

A2. Metal covers for bitumen heating equipment used at a site where a building or a part of a building is undergoing construction or alteration.

Intent

I1. To limit the probability that a fire involving the bitumen heating equipment will ignite adjacent materials, which could lead to damage to buildings or facilities.

I2. To limit the probability that malfunction, overheating or improper use of the bitumen heating equipment will lead to a fire or explosion, which could lead to damage to buildings or facilities.
Application and intent of Division B provisions

**CodeReference** (including record number) 5.6.1.7.(3)-01
**Attribution - functional statement/objective** F01-OS1.2

### CodeText

3) Mops that have been used for spreading bitumen shall be kept outside the building in a safe location when not in use.

### Application

A1. Storage of mops used for spreading bitumen, at a site where a building or a part of a building is undergoing construction or alteration.

### Intent

I1. To limit the probability of the spontaneous ignition of mops, which could lead to a fire, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number)  5.6.1.7.(3)-02
Attribution - functional statement/objective  F01-OP1.2

CodeText
3) Mops that have been used for spreading bitumen shall be kept outside the building in a safe location when not in use

Application
A1. Storage of mops used for spreading bitumen, at a site where a building or a part of a building is undergoing construction or alteration.

Intent
I1. To limit the probability of the spontaneous ignition of mops, which could lead to a fire, which could lead to damage to the building or facility.
### Application and intent of Division B provisions

<table>
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<th>CodeReference (including record number)</th>
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<tr>
<td>5.6.1.8.(1)-01</td>
<td>F10.F82-OS3.7</td>
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</table>

#### CodeText

1) In areas of a building where construction, alteration or demolition operations are taking place, at least one exit shall be accessible and usable at all times.

#### Application

A1. Minimum number of accessible and usable exits, in a building or part of a building undergoing construction, alteration or demolition.

#### Intent

I1. To limit the probability that exits will be obstructed or will not be maintained in a usable condition, which could lead to persons being delayed in evacuating or in moving to a safe place in an emergency situation, which could lead to harm to persons.
### Application and intent of Division B provisions

**CodeReference** *(including record number)*  
5.6.1.8.(2)-01  
**Attribution - functional statement/objective**  
F10,F82-O93.7  

### CodeText

2) In buildings being demolished, at least one stairway shall be maintained in usable condition at all times.

### Application

**A1. Minimum number of usable stairways, in a building undergoing demolition.**

### Intent

I1. To limit the probability that stairways will not be maintained in a usable condition, which could lead to persons being delayed in evacuating or in moving to a safe place in an emergency situation, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number) 5.6.1.9.(1)-01
Attribution - functional statement/objective F11-OS1.5

CodeText

1) A means shall be provided to alert site personnel of a fire and such a means shall be capable of being heard throughout the building or facility.

Application

A1. Means for alerting site personnel of a fire at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

A2. Audibility of the means provided to alert site personnel of a fire at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

1. To limit the probability that persons will not be promptly alerted to a fire situation, which could lead to persons being delayed in evacuating or in moving to a safe place, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Shutting off and capping of building services, including electrical services and gas and fuel lines, serving buildings or parts of buildings at a demolition site.

Exception:
- except for water supplies for firefighting,
- as stated in Sentence 5.6.1.10.(2), which applies to notification of service companies and the relocation and protection of services that are to be maintained.

CodeText
1) Except as required in Sentence (2) and except for water supplies for firefighting, building services shall be terminated at a point located outside the building or part thereof being demolished. (See Appendix A.)

Application

A1. Shutting off and capping of building services, including electrical services and gas and fuel lines, serving buildings or parts of buildings at a demolition site.

1) Except as required in Sentence (2) and except for water supplies for firefighting, building services shall be terminated at a point located outside the building or part thereof being demolished. (See Appendix A.)

Intent

I1. To limit the probability that, during demolition operations, live building services [e.g. electrical installations] will lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability of the unwanted release of flammable liquids or vapours from live building services [e.g. gas and fuel lines] during demolition operations, which could lead to their accumulation in ignitable concentrations, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.6.1.10.(1)-02
Attribution - functional statement/objective  F01,F43-OP1.1

CodeText

1) Except as required in Sentence (2) and except for water supplies for firefighting, building services shall be terminated at a point located outside the building or part thereof being demolished. (See Appendix A.)

Application

A1. Shutting off and capping of building services, including electrical services and gas and fuel lines, serving buildings or parts of buildings at a demolition site.

Exception:
- except water supplies for firefighting,
- as stated in Sentence 5.6.1.10.(2), which applies to notification of service companies and the relocation and protection of services that are to be maintained.

Intent

1. To limit the probability that, during demolition operations, live building services [e.g. electrical installations] will lead to a fire or explosion, which could lead to damage to buildings and facilities.

2. To limit the probability of the unwanted release of flammable liquids or vapours from live building services [e.g. gas and fuel lines] during demolition operations, which could lead to their accumulation in ignitable concentrations, which could lead to a fire or explosion, which could lead to damage to buildings and facilities.
Application and intent of Division B provisions

Application

A. Shutting off and capping of electrical services serving buildings or parts of buildings at a demolition site.

Exception: except as stated in Sentence 5.6.1.10.(2), which applies to notification of service companies and the relocation and protection of services that are to be maintained.

Intent

I. To limit the probability that, during demolition operations, contact would be made with energized electrical installations, which could lead to harm to persons.
Alberta Fire Code 2006
Application and intent of Division B provisions

CodeReference (including record number)  5.6.1.10.(2)-01
Attribution - functional statement/objective  F81-OS1.1,OS1.2

CodeText
2) The service company whose service connections will be affected shall be notified before any action described in Sentence (1) is taken and, if it is necessary to maintain any service, it shall be
a) relocated as necessary, and
b) protected from damage.

Application
A1. Notification of the service companies whose building services are to be terminated at a demolition site.

A2. Relocation and protection from damage of building services that are required to be maintained at a demolition site.

Intent
I1. To limit the probability that improper termination of building services would result in malfunction or damage, which could lead to fire or explosion, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.10.(2)-02
Attribution - functional statement/objective F81-OP1.1,OP1.2

CodeText

2) The service company whose service connections will be affected shall be notified before any action described in Sentence (1) is taken and, if it is necessary to maintain any service, it shall be
   a) relocated as necessary, and
   b) protected from damage.

Application

A1. Notification of the service companies whose building services are to be terminated at a demolition site.

A2. Relocation and protection from damage of building services that are required to be maintained at a demolition site.

Intent

I1. To limit the probability that improper termination of building services would result in malfunction or damage, which could lead to fire or explosion, which could lead to spread of fire, which could lead to damage to buildings and facilities.
### Application and intent of Division B provisions

#### CodeReference (including record number) 5.6.1.10.(3)-01

#### Attribution - functional statement/objective F32-OS3.4

#### CodeText

3) Temporary service installations shall be installed in conformance with regulations made pursuant to the Safety Codes Act.

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<tr>
<td>A1. Temporary service installations at demolition sites.</td>
<td></td>
<td>I1. To limit the probability that unsafe temporary electrical installations would allow contact with energized equipment, which could lead to harm to persons.</td>
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</tbody>
</table>
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

Temporary service installations at demolition sites.

Intent

I1. To limit the probability that unsafe temporary electrical installations will start a fire, which could lead to the spread of fire, which could lead to harm to persons.

I2. To limit the probability that unsafe temporary installations involving flammable liquids, combustible liquids, or flammable gases will allow the unwanted release of these products, which could be ignited, which could start a fire, which could lead to the spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Location of internal combustion engines, temporary heating equipment, and devices capable of producing ignition, with respect to maintaining a minimum clearance to combustible materials, at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

CodeText

1) Devices capable of producing ignition, internal combustion engines, temporary heating equipment, and associated devices shall be kept at a safe distance from combustible material so as not to cause ignition. (See Appendix A.)

Intent

I1. To limit the probability that devices capable of producing ignition, heated surfaces, and exhaust from internal combustion engines will ignite combustible materials, which could lead to fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.11.(1)-02
Attribution - functional statement/objective F01-OP1.1

CodeText

1) Devices capable of producing ignition, internal combustion engines, temporary heating equipment and associated devices shall be kept at a safe distance from combustible material so as not to cause ignition. (See Appendix A.)

Application

A1. Location of internal combustion engines, temporary heating equipment, and devices capable of producing ignition, with respect to maintaining a minimum clearance to combustible materials, at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that devices capable of producing ignition, heated surfaces, and exhaust from internal combustion engines will ignite combustible materials, which could lead to fire or explosion, which could lead to damage to a building or facility.
Application and intent of Division B provisions

Application

A1. Clearances between combustible materials and temporary heating equipment, including flues, at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that temporary heating equipment will ignite combustible materials, which could lead to the spread of fire, which could lead to harm to persons.
Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number)  5.6.1.11.(2)-02
Attribution - functional statement/objective  F01-OP1.1

CodeText

2) The clearance between combustible materials and temporary heating equipment, including flues, shall be in conformance with Part 6 of Division B of the Alberta Building Code 2006 or in conformance with the minimum clearances shown on certified heating equipment.

Application

A1. Clearances between combustible materials and temporary heating equipment, including flues, at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that temporary heating equipment will ignite combustible materials, which could lead to the spread of fire, which could lead to damage to the building or facility.
2) The clearance between combustible materials and temporary heating equipment, including flues, shall be in conformance with Part 6 of Division B of the Alberta Building Code 2006 or in conformance with the minimum clearances shown on certified heating equipment.

Application

A1. Clearances between combustible materials and temporary heating equipment, including flues, at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To state the application of Part 6 of Division B of the Alberta Building Code 2006.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Natural gas, propane and fuel oil supplies for heating equipment and internal combustion engines at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To direct the Alberta Fire Code 2006 user to relevant codes and regulations.

CodeText

I. To direct the Alberta Fire Code 2006 user to relevant codes and regulations.

1) Fuel supplies for heating equipment and internal combustion engines shall conform to
a) CAN/CSA-B139, “Installation Code for Oil-Burning Equipment,” or
b) gas regulations made pursuant to the Safety Codes Act.
Application and intent of Division B provisions

Application

Application to the extent of this provision, the Alberta Fire Code 2006 user to Subsection 4.3.15.

Intent

To direct the Alberta Fire Code 2006 user to Subsection 4.3.15.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.13.(2)-01
Attribution - functional statement/objective F01,F43-OS1.1 and F01-OS1.1

CodeText

2) Tanks, piping and machinery reservoirs at a demolition site that contain combustible liquids or flammable liquids or that are likely to contain flammable vapours shall be drained and, except as permitted by Sentence (3), removed prior to the demolition of the building.

Application

A1. Draining of tanks, piping and machinery reservoirs containing combustible liquids or flammable liquids, or that are likely to contain flammable vapours, in buildings or parts of buildings undergoing demolition.

A2. Removal of tanks, piping and machinery reservoirs containing combustible liquids or flammable liquids, or that are likely to contain flammable vapours, and that have been drained and purged, in buildings or parts of buildings undergoing demolition.

Exception:

except as stated in Sentence 5.6.1.13.(3), which applies where removal of the tanks, piping or machinery reservoirs is impracticable.

Intent

I1. For the draining operation, to limit the probability of the unwanted escape of liquids or vapours during demolition operations, which could lead to the ignition of flammable vapours, which could lead to a fire or explosion, which could lead to harm to persons.

I2. For the removal operation, to limit the probability of the ignition of flammable vapours during demolition operations, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

CodeReference (including record number) 5.6.1.13.(3)-01
Attribution - functional statement/objective F01,F81-O51.1

CodeText

3) Where it is impracticable to remove tanks, piping or machinery reservoirs from the building prior to demolition, such equipment shall be conspicuously identified and removed as soon as conditions permit.

Application

A1. Identification and subsequent removal of tanks, piping or machinery reservoirs containing combustible liquids or flammable liquids, or that are likely to contain flammable vapours, and that have been drained and purged, in buildings or parts of buildings undergoing demolition, if removal of the equipment before demolition is impracticable.

Intent

I1. To supersede the requirement in Sentence 5.6.1.13.(1), where it is impracticable to remove drained and purged equipment prior to demolition, but only if measures are taken to conspicuously identify the equipment to limit the probability of damage to the equipment during demolition operations, and remove the equipment as soon as possible.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference 5.6.1.13.(4)-01
Attribution - functional statement/objective F01,F43-OS1.1

CodeText

4) Tanks, piping and machinery reservoirs referred to in Sentences (1), (2) and (3) that once contained combustible liquids, flammable liquids or flammable vapours shall be purged with inert materials prior to demolition to prevent an explosion. (See Appendix A.)

Application

A1. Purging, with inert materials, of tanks, piping and machinery reservoirs that previously contained combustible liquids, flammable liquids or flammable gases, at a demolition site.

Intent

I1. To limit the probability of the unwanted escape of liquid or vapour during demolition operations, which could lead to the ignition of flammable vapours, which could lead to a fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.14.(1)-01
Attribution - functional statement/objective F03-OP1.2

CodeText

1) Where part of a building continues to be occupied, the occupied part shall be separated from the part being demolished or constructed by a fire separation having a fire-resistance rating of not less than 1 h.

Application

A1. Fire separation between parts of a building that are being constructed or demolished and parts of the building that are occupied during construction or demolition operations.

Intent

I1. To limit the probability that fire will spread from parts of the building being constructed or demolished to parts that are occupied, which could lead to damage to the building or facility.

I2. To limit the probability that fire will spread from parts of the building that are occupied to parts being constructed or demolished, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Application

1) Where part of a building continues to be occupied, the occupied part shall be separated from the part being demolished or constructed by a fire separation having a fire-resistance rating of not less than 1 h.

Intent

I1. To limit the probability that fire will spread from parts of the building being constructed or demolished to parts that are occupied, which could lead to harm to persons.

I2. To limit the probability that fire will spread from parts of the building that are occupied to parts being constructed or demolished, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Provision of a watch throughout a demolition site to detect fire hazards and fire, if there are occupants in a part of a building not being demolished.

Intent

I1. To limit the probability of a fire originating within the demolition site spreading to occupied parts of the building which could lead to:
- delays in the safe egress of building occupants,
- the spread of fire to occupied parts of the building.

This is to limit the probability of harm to persons.

CodeReference (including record number) 5.6.1.15.(1)-01
Attribution - functional statement/objective F02-OS1.2,OS1.5

CodeText

1) A watch, with tours at intervals of not more than 1 h, shall be provided throughout demolition sites when there are occupants in the portion of the building not being demolished.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Detection of fire hazards and fire at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition and there are occupants in a portion of a building while construction operations are taking place.

Exception:

except for a building provided with a fire alarm system or similar equipment.

Intent

I1. To limit the probability of a fire originating in the part of the building under construction spreading to other parts of the building which could lead to:
- delays in the safe egress of building occupants,
- the spread of fire to occupied parts of the building.

This is to limit the probability of harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application and intent of Division B provisions

**CodeReference** (including record number) 5.6.1.15.(3)-01
**Attribution - functional statement/objective** F13-OS1.2,OS1.5

### CodeText

3) Facilities shall be provided to enable the watcher referred to in Sentences (1) and (2) to
a) ensure a fire warning is sounded to notify occupants, and
b) communicate with the fire department.

**Application**

A1. Facilities to enable a watcher to sound a fire warning and to communicate with the fire department in the event of a fire at a site where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition and there are occupants in a portion of a building.

Exception: except for a building provided with a fire alarm system or similar equipment.

**Intent**

11. To limit the probability of delays in notifying occupants in an occupied portion of a building and the fire department in the event of a fire emergency, which could lead to
- delays in firefighting operations,
- delays in the safe egress of building occupants,
- the spread of fire to occupied parts of the building.

This is to limit the probability of harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

1) Smoking shall be permitted only if Subsection 2.4.2. is complied with.

Intent

I1. To limit the probability that ignition sources associated with the activity of smoking will ignite combustible materials, dusts, vapours or gases, which could lead to harm to persons.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
<th>Attribution - functional statement/objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.6.1.17.(1)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### CodeText

1) **Flammable liquids and combustible liquids** shall be stored and used in conformance with Part 4.

### Application

A1. Storage and use of **flammable liquids and combustible liquids** at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

### Intent

I1. To direct the Alberta Fire Code 2006 user to Part 4.
Application and intent of Division B provisions

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>5.6.1.17.(2)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Application**

2) Dangerous goods shall be stored in conformance with Part 3.

**Intent**

A1. Storage of dangerous goods at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

I1. To direct the Alberta Fire Code 2006 user to Part 3.
## Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
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<tbody>
<tr>
<td>5.6.1.17.(3)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### CodeText

3) Dangerous goods shall be used in conformance with Part 5.

### Application

A1. Use of dangerous goods at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

### Intent

I1. To direct the Alberta Fire Code 2006 user to Part 5.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.18.(1)-01
Attribution - functional statement/objective F01-OS1.1,OS1.2

CodeText

1) Fabrics and films used to temporarily enclose buildings shall be securely fastened to prevent them from being blown against heaters or other ignition sources.

Application

A1. Secure fastening of fabrics and films used to temporarily enclose buildings at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that fabrics and films used to temporarily enclose buildings will be ignited by heaters or other ignition sources, which could lead to the spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Removal of combustible refuse to a safe location when the quantity is sufficient to constitute a fire hazard, at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

1) Combustible refuse in sufficient quantities to constitute a fire hazard shall be moved to a safe location. (See also Subsection 8.2.5. of Division B of the Alberta Building Code 2006.)

I1. To limit the probability that a fire involving combustible refuse will spread beyond the area of origin, which could lead to damage to the building or facility.
Application and intent of Division B provisions

CodeReference (including record number) 5.6.1.20.(1)-01
Attribution - functional statement/objective F12.F62-OS1.2

Application

A1. Continuity of operation of a fire protection system.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that improper maintenance or a lack of maintenance of fire protection systems would lead to failure of the systems, which could lead to delays or difficulties in emergency response, which could lead to spread of fire, which could lead to harm to persons.

1) Except as permitted in Sentence (2), where a fire protection system is provided, it shall remain operational throughout the construction, alteration or demolition area where reasonably practical.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference</th>
<th>Attribution - functional statement/objective</th>
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<tbody>
<tr>
<td>5.6.1.20.(1)-02</td>
<td>F12.F82-OP1.2</td>
</tr>
</tbody>
</table>

#### CodeText

1) Except as permitted in Sentence (2), where a fire protection system is provided, it shall remain operational throughout the construction, alteration or demolition area where reasonably practical.

#### Application

A1. Continuity of operation of a fire protection system.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

#### Intent

I1. To limit the probability that improper maintenance or a lack of maintenance of fire protection systems would lead to failure of the systems, which could lead to delays or difficulties in emergency response, which could lead to spread of fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

A1. Continuity of operation of a fire protection system.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

CodeReference (including record number): 5.6.1.20.(1)-03
Attribution - functional statement/objective: F02-OP3.1

CodeText

1) Except as permitted in Sentence (2), where a fire protection system is provided, it shall remain operational throughout the construction, alteration or demolition area where reasonably practical.

Application

A1. Continuity of operation of a fire protection system.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that failure of fire protection systems could lead to spread of fire, which could lead to damage to adjacent buildings or facilities.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference 5.6.1.20.(2)-01
Attribution - functional statement/objective F02-OP1.2

CodeText

2) When any portion of a fire protection system is temporarily shut down during construction, alteration or demolition operations, protection during shutdown shall comply with Article 6.1.1.4.

Application

A1. Implementation of alternative measures, when any portion of a fire protection system is temporarily shut down.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that the level of fire protection originally intended will be reduced in a fire situation, which could lead to the spread of fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

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<td>F02-OP3.1</td>
</tr>
</tbody>
</table>

Application

2) When any portion of a fire protection system is temporarily shut down during construction, alteration or demolition operations, protection during shutdown shall comply with Article 6.1.1.4.

Intent

A1. Implementation of alternative measures, when any portion of a fire protection system is temporarily shut down.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

I1. To limit the probability that the level of fire protection originally intended will be reduced in a fire situation, which could lead to the spread of fire, which could lead to damage to adjacent buildings or facilities.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.20.(2)-03
Attribution - functional statement/objective F02-O1.2.OS1.5

CodeText

2) When any portion of a fire protection system is temporarily shut down during construction, alteration or demolition operations, protection during shutdown shall comply with Article 6.1.1.4.

Application

A1. Implementation of alternative measures, when any portion of a fire protection system is temporarily shut down.

This applies to fire protection at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

11. To limit the probability that the level of fire protection originally intended will be reduced in a fire situation, which could lead to
   - delays in the evacuation or movement of persons to a safe place, or
   - the spread of fire.

This is to limit the probability of harm to persons.
A1. Maintenance of fire safety measures in occupied portions of a building that has been partially occupied 
- before its completion, or 
- during extensive alterations.

This applies to buildings or parts of buildings undergoing construction, alteration, or demolition operations.

Exceptions:
except if alternative provisions are made.

I1. To limit the probability that flammable or combustible materials could be accidentally ignited, which could lead to fire or explosion, which could lead to harm to persons.

I2. To limit the probability that persons would be unaware of a fire or other hazardous situation, which could lead to delays in moving to a safe place, which could lead to harm to persons.

I3. To limit the probability that improper maintenance or a lack of maintenance could lead to inadequate performance of fire safety measures, which could lead to harm to persons.

I4. To limit the probability that emergency responders would not be notified in a timely manner of the need to take action in an emergency, which could lead to a delay in emergency response, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Maintenance of fire safety measures in occupied portions of a building that has been partially occupied
- before its completion, or
- during extensive alterations.

This applies to buildings or parts of buildings undergoing construction, alteration, or demolition operations.

Exceptions:
except if alternative provisions are made.

Intent

I1. To limit the probability that a fire originating in flammable or combustible materials in work areas could lead to the spread of fire, which could lead to fire spreading into occupied areas, which could lead to harm to persons.

I2. To limit the probability that persons would be unaware of a fire in a work area, which could lead to appropriate action not being taken, which could lead to delays in moving to a safe place, which could lead to harm to persons.

I3. To limit the probability that improper maintenance or a lack of maintenance could lead to inadequate performance of fire safety measures, which could lead to fire spreading from work areas, which could lead to harm to persons.

I4. To limit the probability that emergency responders would not be notified in a timely manner of the need to take action in an emergency involving fire spreading from work areas, which could lead to a delay in emergency response, which could lead to harm to persons.
Application and intent of Division B provisions

Application

A1. Maintenance of fire safety measures in occupied portions of a building that has been partially occupied - before its completion, or - during extensive alterations.

This applies to buildings or parts of buildings undergoing construction, alteration, or demolition operations.

Exceptions: except if alternative provisions are made.

Intent

I1. To limit the probability that flammable or combustible materials could be accidentally ignited, which could lead to fire or explosion, which could lead to damage to the building.

I2. To limit the probability that persons would be unaware of a fire or other hazardous situation, which could lead to appropriate action not being taken, which could lead to spread of fire, which could lead to damage to the building.

I3. To limit the probability that improper maintenance or a lack of maintenance could lead to inadequate performance of fire safety measures, which could lead to fire or explosion, which could lead to damage to the building.

I4. To limit the probability that emergency responders would not be notified in a timely manner of the need to take action in an emergency, which could lead to a delay in emergency response, which could lead to the spread of fire, which could lead to damage to the building.
Application and intent of Division B provisions

**Application**

A1. Control of access to work areas in a building that has been partially occupied
- before its completion, or
- during extensive alterations.

This applies to buildings or parts of buildings undergoing construction, alteration, or demolition operations.

**Intent**

1. To limit the probability that unauthorized persons would gain access to work areas in a partially occupied building and engage in activities that could ignite materials in the work areas, which could lead to fire or explosion.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.6.1.21.(2)-02
Attribution - functional statement/objective F34-OS3.4

Application

2) Measures shall be taken to cordon off and control access to the work areas.

Application

A1. Control of access to work areas in a building that has been partially occupied
- before its completion, or
- during extensive alterations.

This applies to buildings or parts of buildings undergoing construction, alteration, or demolition operations.

Intent

I1. To limit the probability that unauthorized persons would gain access to work areas in a partially occupied building and engage in activities that could expose them to hazardous substance, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Provision of exits or alternative means of egress from occupied portions of a building that has been partially occupied - before its completion, or - during extensive alterations.

This applies to buildings or parts of buildings undergoing construction, alteration, or demolition operations.

APPLICATION

I1. To clarify that exits or alternative means of egress must be maintained from an occupied part of a building that is undergoing extensive alterations or that has not been completed.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

A1. Shutting off, terminating and labelling of existing building services, before excavation begins. This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition. Exception: except as stated in Article 5.6.2.2., which applies to maintaining existing services if specified conditions are met.

Intent

I1. To limit the probability that building services [e.g. gas, electrical and heating installations] will be damaged during excavation, which could lead to the start or spread of fire, which could lead to harm to persons.

I2. To limit the probability that open valves will lead to the accidental release of liquid or vapour [e.g. from gas or fuel lines], which could lead to the accumulation and subsequent ignition of vapour, which could lead to harm to persons.

I3. To limit the probability that the type of service will not be readily identified, which could lead to the misuse of the services [e.g. the unwanted opening of a valve and release of liquid or vapour], which could lead to a fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Shutting off, terminating and labelling of existing building services, before excavation begins. This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Exception: except as stated in Article 5.6.2.2., which applies to maintaining existing services if specified conditions are met.

Application

1) Except as provided in Article 5.6.2.2., before excavation begins, building services shall be shut off, terminated and labelled so as to permit them to be easily identified outside the limits of the excavation. (See also Sentence 5.6.1.10.(1))

Intent

I1. To limit the probability that building services [e.g. gas, electrical and heating installations] will be damaged during excavation, which could lead to the start or spread of fire, which could lead to damage to the building or facility.

I2. To limit the probability that open valves will lead to the accidental release of liquid or vapour [e.g. from gas or fuel lines], which could lead to the accumulation and subsequent ignition of vapour, which could lead to damage to the building or facility.

I3. To limit the probability that the type of service will not be readily identified, which could lead to the misuse of the services [e.g. the unwanted opening of a valve and release of liquid or vapour], which could lead to a fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference  (including record number)  5.6.2.1.(1)-03
Attribution - functional statement/objective  F32-OS3.3

CodeText
1) Except as provided in Article 5.6.2.2., before excavation begins, building services shall be shut off, terminated and labelled so as to permit them to be easily identified outside the limits of the excavation. (See also Sentence 5.6.1.10.(1))

Application
A1. Shutting off, terminating and labelling of existing building services, before excavation begins.

This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Exception: except as stated in Article 5.6.2.2., which applies to maintaining existing services if specified conditions are met.

Intent
I1. To limit the probability that electrical building services will be damaged during excavation, which could lead to contact with energized equipment, which could lead to harm to persons.
2) The service company whose service connections will be affected shall be notified before any action described in Sentence (1) is taken and, if it is necessary to maintain any service, it shall be
a) relocated as necessary, and
b) protected from damage.

Application

A1. Service connections that could be affected by excavation activities.

This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To limit the probability that services will be shut off or disconnected in an unsafe manner, which could lead to a fire or explosion, which could lead to harm to persons.

I2. To limit the probability that services that are to be maintained will be physically damaged [e.g. damage to fuel lines causing an unwanted leak], which could lead to a fire or explosion, which could lead to harm to persons.

I3. To limit the probability that water services that are to be maintained will be physically damaged, which could lead to an inadequate water supply to fire suppression systems [sprinklers, standpipes, yard hydrants] in a fire situation, which could lead to the fire not being suppressed or controlled, which could lead to the spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Application and intent of Division B provisions

CodeReference (including record number)  5.6.2.1.(2)-02
Attribution - functional statement/objective  F81-OP1.1,OP1.2

CodeText

A1. Service connections that could be affected by excavation activities.

This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Application

2) The service company whose service connections will be affected shall be notified before any action described in Sentence (1) is taken and, if it is necessary to maintain any service, it shall be
a) relocated as necessary, and
b) protected from damage.

Intent

I1. To limit the probability that services will be shut off or disconnected in an unsafe manner, which could lead to a fire or explosion, which could lead to damage to the building or facility.

I2. To limit the probability that services that are to be maintained will be physically damaged [e.g. damage to fuel lines causing an unwanted leak], which could lead to a fire or explosion, which could lead to damage to the building or facility.

I3. To limit the probability that water services that are to be maintained will be physically damaged, which could lead to an inadequate water supply to fire suppression systems [sprinklers, standpipes, yard hydrants] in a fire situation, which could lead to the fire not being suppressed or controlled, which could lead to the spread of fire, which could lead to damage to the building or facility.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Maintaining existing gas, electrical, water, steam and other services within the area of the excavation provided that
- before work begins, the approval of the service company involved is obtained to the proposed method of operation,
- the location of the services is determined before excavation commences,
- a suitable method of excavation is adopted that will ensure that the services are not damaged, and
- the services are provided with suitable temporary supports.

This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Application

F81-OS1.1,OS1.2

Attribution - functional statement/objective

5.6.2.2.(1)-01

CodeReference (including record number)

1) Existing gas, electrical, water, steam and other services are permitted to be left within the area of the excavation provided that
a) before work begins, the service company concerned has approved the proposed method of operation,
b) the location of the services is determined before excavation commences,
c) a suitable method of excavation is adopted that will ensure that the services are not damaged, and

d) the services are provided with suitable temporary supports.

This applies to excavation work at sites where buildings, parts of buildings, facilities, adjacent buildings or facilities are undergoing construction, alteration or demolition.

Intent

I1. To exempt specified services from the application of Sentence 5.6.2.1.(1), which would otherwise require that services be shut off, terminated or labelled, on the basis that these services are needed during excavation.

Specified measures limit the probability that
- services will be operated in an unsafe manner, which could lead to a fire or explosion, which could lead to harm to persons,
- services will be physically damaged [e.g. damage to fuel lines causing an unwanted leak], which could lead to a fire or explosion, which could lead to harm to persons,

- services will fail, which could lead to damage to the services [e.g. fuel pipe failure or exposure of electrical lines], which could lead to a fire or explosion, which could lead to harm to persons,

- water services will be physically damaged, which could lead to an inadequate water supply to fire suppression systems [sprinklers, standpipes, yard hydrants] in a fire situation, which could lead to the fire not being suppressed or controlled, which could lead to the spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. A person involved in the sale and discharge of fireworks and pyrotechnic devices.

Exceptions:
except a person who possesses or discharges fireworks commonly used as distress flares.

Application
1) Except as permitted by Sentence (2), this Section shall apply to the sale and discharge of fireworks and pyrotechnic devices.

Intent
I1. To state the application of Section 5.7.
<table>
<thead>
<tr>
<th>CodeReference</th>
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</thead>
<tbody>
<tr>
<td>5.7.1.1.(2)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**CodeText**

2) This Section shall not apply to a person who possesses or discharges fireworks commonly used as distress flares.

**Application**

A1. A person who possesses or discharges fireworks commonly used as distress flares.

**Intent**

I1. To exempt a person who possesses or discharges distress flares from the application of Section 5.7.
**Application and intent of Division B provisions**

**CodeReference** (including record number) 5.7.1.2.(1)-01

**Attribution - functional statement/objective** Not applicable

**CodeText**

1) The manufacture and importation of fireworks shall be in conformance with the “Explosives Act” and its Regulations, published by Natural Resources Canada.

**Application**


**Intent**

I1. To direct the Alberta Fire Code 2006 user to the “Explosives Act” and its Regulations, published by Natural Resources Canada, for requirements pertaining to the manufacture and importation of fireworks.
2) The transportation of fireworks shall be in conformance with the “Transportation of Dangerous Goods Act” and its Regulations.

Application
A1. Transportation of fireworks.

Exception:
except as stated in Sentence 5.7.1.1.(2) which applies to possession and discharge of fireworks commonly used as distress flares.

Intent
11. To direct the Alberta Fire Code 2006 user to the “Explosives Act” and its Regulations, published by Natural Resources Canada, for requirements pertaining to the transportation of fireworks.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Prohibition on the discharging, firing or setting off of fireworks from, on or over
- public land as defined in the Public Lands Act, or
- a forest protection area designated under the Forest and Prairie Protection Act.

Exceptions:
- as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares, or
- as stated in Clause 5.7.1.7.(1)(b), which applies to the discharging, firing or setting off of fireworks in a forest protection area pursuant to written permission issued by a forest officer.

Application
A1. Prohibition on the discharging, firing or setting off of fireworks from, on or over
- public land as defined in the Public Lands Act, or
- a forest protection area designated under the Forest and Prairie Protection Act.

Exceptions:
- as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares, or
- as stated in Clause 5.7.1.7.(1)(b), which applies to the discharging, firing or setting off of fireworks in a forest protection area pursuant to written permission issued by a forest officer.

Intent
I1. To limit the probability that fireworks would be discharged, fired, or set off in a manner that would lead to the ignition of nearby property or vegetation, which could lead to a fire, which could lead to the spread of fire, which could lead to damage to buildings or other property.

I2. To limit the probability that fireworks would be discharged, fired, or set off in a manner that would lead to ignition of other fireworks, which could lead to a fire or explosion, which could lead to spread of fire beyond the point of origin, which could lead to damage to buildings or other property.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Prohibition on the discharging, firing or setting off of fireworks
from, on or over
- public land as defined in the Public Lands Act, or
- a forest protection area designated under the Forest and Prairie Protection Act.

Exceptions:
- as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks
  commonly used as distress flares, or
- as stated in Clause 5.7.1.7.(1)(b), which applies to the discharging, firing or setting off of fireworks
  in a forest protection area pursuant to written permission issued by a forest officer.

Application

A1. Prohibition on the discharging, firing or setting off of fireworks from, on or over
- public land as defined in the Public Lands Act, or
- a forest protection area designated under the Forest and Prairie Protection Act.

Exceptions:
- as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks
  commonly used as distress flares, or
- as stated in Clause 5.7.1.7.(1)(b), which applies to the discharging, firing or setting off of fireworks
  in a forest protection area pursuant to written permission issued by a forest officer.

Intent

I1. To limit the probability that fireworks would be discharged, fired, or set off in a manner that would
lead to the ignition of nearby property or vegetation, which could lead to a fire, which could lead to
the spread of fire, which could impact areas beyond the point of origin.

I2. To limit the probability that fireworks would be discharged, fired, or set off in a manner that would
lead to ignition of other fireworks, which could lead to a fire or explosion, which could impact areas
beyond the point of origin.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference  (including record number)  5.7.1.4.(1)-01
Attribution - functional statement/objective  F43–OS3.4

CodeText
1) No person shall have in their possession, sell, offer for sale, give away or otherwise distribute, discharge, fire or set off firecrackers.

Application
A1. Prohibition on persons having in their possession, selling, offering for sale, giving away or otherwise distributing, discharging, firing, or setting off firecrackers.

Exceptions:
except for paper caps containing not more than 16.2 mg (1/4 grain) of explosive per cap or devices to be used with the paper caps.

Intent
I1. To limit the probability that firecrackers would ignite other nearby firecrackers, which could lead to fire or explosion, which could lead to harm to persons.
A1. Prohibition on the purchase, storage, use, or supervision of the use of a pyrotechnic device by any person.

Exceptions:
- the pyrotechnic device conforms to the requirements of the “Explosives Act” and its Regulations, published by Natural Resources Canada, and
- the person is certified in accordance with the “Explosives Act” and its Regulations, published by Natural Resources Canada.

Intent
I1. This is to limit the probability of malfunction, interference, damage, tampering, or misuse of a pyrotechnic device, which could lead to fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Prohibition on the discharge, firing, or setting off of fireworks

a) in a place or in a manner that creates a danger or constitutes a nuisance to any person or property,
b) on a highway, road allowance, public beach or park unless they first obtain written permission from the fire department,
c) on privately owned land unless they
i) first obtain the written consent of the owner or occupant of that land and the owner or occupant of neighbouring land on which debris might reasonably be expected to fall, and
ii) provide a copy of the consent required in Subclause (c)(i) to the fire department,
d) in a building or place, unless
i) the fireworks are specifically designed and clearly marked by the manufacturer for such use, and
ii) the building or place is acceptable to the fire department,
e) within 10 m of any building, tent, trailer, canvas shelter or motor vehicle,

f) within 200 m of any place where explosives or flammable liquids or combustible liquids or substances are manufactured or stored,

within 250 m of a correctional institution as defined in the Corrections Act, a facility as defined in the Mental Health Act, a nursing home within the meaning of the Nursing Homes Act, a social care facility as defined in the Social Care Facilities Licensing Act, a hospital as defined in the Hospitals Act, an educational institution or a church, unless acceptable to the fire department, or

when the wind velocity exceeds 45 km/h or when, in the opinion of the fire department, weather conditions create an undue fire hazard.

Exception:

- except as stated in Sentence 5.7.1.5.(1)(2), which applies to possession and discharge of fireworks commonly used as distress flares, and
- Sentence 5.7.17.(3), which applies to restrictions on the issue of permission relating to high-hazard fireworks.

I1. To limit the probability of malfunction, tampering, or misuse of fireworks, which could lead to fire or explosion which could lead to harm to persons.

I2. To limit the probability of discharge of fireworks in locations accessible to the public, which could lead to contact with hot or live fireworks, which could lead to fire, which could lead to harm to persons.

I3. To limit the probability that live or expended fireworks would fall onto or contact buildings or facilities, which could lead to fire or explosion, which could lead to harm to persons.

I4. To limit the probability that debris from fireworks would fall on neighbouring land or buildings as a result of weather conditions or insufficient clear space around the discharge site, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Prohibition on the discharge, firing, or setting off of fireworks
   a) in a place or in a manner that creates a danger or constitutes a nuisance to any person or property,
   b) on a highway, road allowance, public beach or park unless they first obtain written permission from the fire department,
   c) on privately owned land unless they
      i) first obtain written consent of the owner or occupant of that land and the owner or occupant of neighbouring land on which debris might reasonably be expected to fall, and
      ii) provide a copy of the consent required in Subclause 5.7.1.5.(1)(c)(i) to the fire department,
   d) in a building or place, unless
      i) the fireworks are specifically designed and clearly marked by the manufacturer for such use, and
      ii) the building or place is acceptable to the fire department,
   e) within 10 m of any building, tent, trailer, canvas shelter or motor vehicle,
   f) within 200 m of any place where explosives or flammable liquids or combustible liquids or substances are manufactured or stored,
   g) within 250 m of a correctional institution as defined in the Corrections Act, a facility as defined in the Mental Health Act, a nursing home within the meaning of the Nursing Homes Act, a social care facility as defined in the Social Care Facilities Licensing Act, a hospital as defined in the Hospitals Act, an educational institution or a church, unless acceptable to the fire department, or
   h) when the wind velocity exceeds 45 km/h or when, in the opinion of the fire department, weather conditions create an undue fire hazard.

Exception:
   except as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares, and
   Sentence 5.7.1.7.(3), which applies to restrictions on the issue of permission relating to high-hazard fireworks.

I1. To limit the probability of malfunction, tampering, or misuse of fireworks, which could lead to fire or explosion which could lead to damage to buildings, facilities, or other property.
I2. To limit the probability of discharge of fireworks in locations accessible to the public, which could lead to contact with hot or live fireworks, which could lead to fire, which could lead to damage to buildings, facilities, or other property.
I3. To limit the probability that live or expended fireworks would fall onto or contact buildings or facilities, which could lead to fire or explosion, which could lead to damage to buildings, facilities, or other property.
I4. To limit the probability that debris from fireworks would fall on neighbouring land or buildings as a result of weather conditions or insufficient clear space around the discharge site, which could lead to spread of fire, which could lead to damage to buildings, facilities, or other property.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Prohibition on the discharge, firing, or setting off of fireworks

a) in a place or in a manner that creates a danger or constitutes a nuisance to any person or property,
b) on a highway, road allowance, public beach or park unless they first obtain written permission from the fire department,
c) on privately owned land unless they
   i) first obtain written consent of the owner or occupant of that land and the owner or occupant of neighbouring land on which debris might reasonably be expected to fall, and
   ii) provide a copy of the consent required in Subclause (c)(i) to the fire department,
d) in a building or place, unless
   i) the fireworks are specifically designed and clearly marked by the manufacturer for such use, and
   ii) the building or place is acceptable to the fire department,
e) within 10 m of any building, tent, trailer, canvas shelter or motor vehicle,
f) within 200 m of any place where explosives or flammable liquids or combustible liquids or substances are manufactured or stored,
g) within 250 m of a correctional institution as defined in the Corrections Act, a facility as defined in the Mental Health Act, a nursing home within the meaning of the Nursing Homes Act, a social care facility as defined in the Social Care Facilities Licensing Act, a hospital as defined in the Hospitals Act, an educational institution or a church, unless acceptable to the fire department, or
h) when the wind velocity exceeds 45 km/h or when, in the opinion of the fire department, weather conditions create an undue fire hazard.

Exception:

- except as stated in Sentence 5.7.1.1.2, which applies to possession and discharge of fireworks commonly used as distress flares, and
- Sentence 5.7.1.7.3, which applies to restrictions on the issue of permission relating to high-hazard fireworks.

Application

A1. Prohibition on the discharge, firing, or setting off of fireworks
   - in a place or in a manner that creates a danger or constitutes a nuisance to any person or property,
   - on a highway, road allowance, public beach or park unless written permission has been obtained from the fire department,
   - on privately owned land unless
     - written consent has been obtained from the owner or occupant of that land and the owner or occupant of neighbouring land on which debris might reasonably be expected to fall, and
     - a copy of the consent required by Subclause 5.7.1.5.(1)(c)(i) has been provided to the fire department,
   - in a building or place, unless
     - the fireworks are specifically designed and clearly marked by the manufacturer for such use, and
     - the building or place is acceptable to the fire department,
   - within 10 m of any building, tent, trailer, canvas shelter or motor vehicle,
   - within 200 m of any place where explosives or flammable liquids or combustible liquids or substances are manufactured or stored,
   - unless acceptable to the fire department, within 250 m of a correctional institution as defined in the Corrections Act, a facility as defined in the Social Care Facilities Licensing Act, a hospital as defined in the Hospitals Act, an educational institution, or a church, or
   - when the wind velocity exceeds 45 km/h, or
   - when, in the opinion of the fire department, weather conditions create an undue fire hazard.

Intent

I1. To limit the probability of malfunction, tampering, or misuse of fireworks, which could lead to fire or explosion which could lead to damage to adjacent buildings, facilities, or other property.
I2. To limit the probability of discharge of fireworks in locations accessible to the public, which could lead to contact with hot or live fireworks, which could lead to fire, which could lead to damage to adjacent buildings, facilities, or other property.
I3. To limit the probability that live or expended fireworks would fall onto or contact buildings or facilities, which could lead to fire or explosion, which could lead to damage to adjacent buildings, facilities, or other property.
I4. To limit the probability that debris from fireworks would fall on neighbouring land or buildings as a result of weather conditions or insufficient clear space around the discharge site, which could lead to spread of fire, which could lead to damage to adjacent buildings, facilities, or other property.
## Application and intent of Division B provisions

**Alberta Fire Code 2006**

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
<th>Attribution - functional statement/objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.7.1.5.(2)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### CodeText

2) The fire department is permitted to require a person to cease the discharging, firing or setting off of fireworks when considered necessary to do so for reasons of safety.

### Application

A1. Authority to permit a fire department to require a person to cease the discharging, firing, or setting off of fireworks.

Exception:

- except as stated in Sentence 5.7.1.1.(2) which applies to possession and discharge of fireworks commonly used as distress flares.

### Intent

11. To clarify that the fire department has authority to prevent the discharge, firing, or setting off of fireworks for reasons of safety.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.7.1.6.(1)-01
Attribution - functional statement/objective Not applicable

CodeText

1) The fire department, or forest officer in a forest protection area, is permitted to seize, take, remove or cause to be seized, taken or removed any fireworks offered or exposed for sale or being held or used contrary to this Section.

Application

A1. Authority to permit a fire department, or a forest officer in a forest protection area, to seize, take, remove or cause to be seized, taken or removed any fireworks offered or exposed for sale or being held or used contrary to Section 5.7.

Exception:

except as stated in Sentence 5.7.1.1.(2) which applies to possession and discharge of fireworks commonly used as distress flares.

Intent

I1. To clarify that the fire department, or a forest officer in a forest protection area, has authority to seize, take, remove or cause to be seized, taken or removed any fireworks offered or exposed for sale or being held or used contrary to Section 5.7.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

2) Where fireworks are seized in accordance with Sentence (1), the fire department, or forest officer in the forest protection area, shall dispose of them in a safe manner.

Exception:

except as stated in Sentence 5.7.1.1.(2) which applies to possession and discharge of fireworks commonly used as distress flares.

Intent

11. To state that fireworks seized in accordance with Sentence 5.7.1.6.(1) must be disposed of in a safe manner.
Application of Division B provisions

Alberta Fire Code 2006

A1. Prohibition on purchase, possession, handling, discharging, firing or setting off fireworks without written permission issued by the fire department.

A2. Prohibition on discharging, firing, or setting off fireworks in a forest protection area without written permission issued by a forest officer.

Exception:

- except as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares,

- Sentence 5.7.1.7.(3), which applies to high-hazard fireworks.

Application

A1. Prohibition on purchase, possession, handling, discharging, firing or setting off of fireworks without written permission issued by the fire department.

A2. Prohibition on discharging, firing, or setting off of fireworks in a forest protection area without written permission issued by a forest officer.

Exception:

except as stated in

- Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares,

- Sentence 5.7.1.7.(3), which applies to high-hazard fireworks.

Intent

1. To state that written permission is required by any person intending to purchase, possess, handle, discharge, fire or set off fireworks.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.7.1.7.(2)-01  
Attribution - functional statement/objective  Not applicable

CodeText

2) Written permission issued under Sentence (1)
   a) shall specify the date, time and location on which the fireworks are to be discharged, and
   b) is permitted to contain any other terms and conditions the fire department or forest officer
      considers necessary to ensure the safe use of the fireworks.

Application

A1. Contents of written permission issued in accordance with Sentence 5.7.1.7.(1).

   This includes
   - the date, time, and location on which the fireworks are to be discharged, and
   - any other terms and conditions the fire department or forest officer considers necessary to ensure
     the safe use of the fireworks.

   Exception:
   except as stated in
   - Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as
     distress flares, or
   - Sentence 5.7.1.7.(3), which applies to high-hazard fireworks.

Intent

I1. To state a list of items that must appear on written permission for a person intending to
    purchase, possess, handle, discharge, fire or set off fireworks.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.7.1.7.(3)-01
Attribution - functional statement/objective Not applicable

CodeText

3) Permission shall not be granted under this Section in respect to high-hazard fireworks unless the applicant possesses a fireworks supervisor card issued pursuant to the “Explosives Act” and its Regulations, published by Natural Resources Canada.

Application

A1. Prohibition on the issuing of a written permission with respect to purchase, possession, handling, discharging, firing or setting off of high-hazard fireworks.

A2. Prohibition on the issuing of a written permission with respect to discharging, firing, or setting off of high-hazard fireworks in a forest protection area.

Exception: except
- as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares, or
- issue to an applicant who possesses a fireworks supervisor card issued pursuant to the “Explosives Act” and its Regulations, published by Natural Resources Canada.

Intent

11. To restrict the issuance of a written permission under Section 5.7. with respect to high hazard fireworks unless the applicant possesses a fireworks supervisor card issued pursuant to the “Explosives Act” and its Regulations, published by Natural Resources Canada.
Application and intent of Division B provisions

**Alberta Fire Code 2006**

A1. Prohibition on the sale, offer for sale, or storage for the purpose of sale, of fireworks unless
- permission has been obtained from the fire department, and
- the building or place used for the sale or storage conforms to Part 3.

Exception:
- except as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares, and
- Sentence 5.7.1.7.(3), which applies to restrictions on the issue of permission relating to high-hazard fireworks.

**CodeText**

1) No person shall sell, offer for sale or store for the purpose of sale, fireworks unless
a) permission is obtained from the fire department for the sale and storage, and
b) the building or place used for the sale or storage conforms to Part 3.

**Application**

A1. Prohibition on the sale, offer for sale, or storage for the purpose of sale, of fireworks unless
- permission has been obtained from the fire department, and
- the building or place used for the sale or storage conforms to Part 3.

Exception:
- except as stated in
  - Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares, and
  - Sentence 5.7.1.7.(3), which applies to restrictions on the issue of permission relating to high-hazard fireworks.

**Intent**

I1. To state that permission is required by any person intending to sell fireworks, offer fireworks for sale, or store fireworks for the purpose of sale.
### Alberta Fire Code 2006

#### Application and intent of Division B provisions

<table>
<thead>
<tr>
<th>CodeReference (including record number)</th>
<th>Attribution - functional statement/objective</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.7.1.8.(2)-01</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CodeText</th>
</tr>
</thead>
<tbody>
<tr>
<td>2) A request for permission under Sentence (1) shall be accompanied by a copy of the applicant’s current business licence issued by the municipality in which the applicant carries on business.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1. Information required in connection with a request for permission to sell fireworks, offer fireworks for sale, or store fireworks for the purpose of sale.</td>
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<table>
<thead>
<tr>
<th>Intent</th>
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<tbody>
<tr>
<td>H1. To state that a copy of a current business licence is required in connection with an application for permission to sell fireworks, offer fireworks for sale, or store fireworks for the purpose of sale.</td>
</tr>
</tbody>
</table>
Application and intent of Division B provisions

A1. Information to be provided or recorded in connection with the sale of fireworks

The information to be provided includes
- the manufacturer’s instructions on the safe use of fireworks, and
- notices, acceptable to the fire department, that are posted at the sales outlet outlining the instructions referred to in Clause (a).

- a record of each sale is kept on the premises where the sale occurs, and
- the record of each sale showing
   - the date of the sale,
   - the name, address and phone number of the purchaser,
   - a description of the fireworks sold,
   - the date and time the fireworks will be discharged, and
   - the location and a description of the site where the fireworks will be discharged.

Exception:
- except as stated in Sentence 5.7.1.1.2, which applies to possession and discharge of fireworks commonly used as distress flares, and
- Sentence 5.7.1.7.3, which applies to restrictions on the issue of permission relating to high-hazard fireworks.

Intent
I1. To state the types of information required to be made available or recorded in connection with the sale of fireworks.
## Application and intent of Division B provisions

### Application

A1. Availability of records of sales of fireworks for review by the authority having jurisdiction.

**Exception:** except as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares.

### Intent

II. To expand the application of Article 2.2.1.2. of Division C to records of sales of fireworks retained in accordance with Clause 5.7.1.8.(3)(c).
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.7.1.9.(1)-01
Attribution - functional statement/objective  Not applicable

CodeText

1) No person who is under 18 years of age shall purchase, possess, handle, discharge, fire or set off fireworks.

Application

A1. Prohibition on the purchase, possession, handling, discharge, firing or setting off of fireworks by any person who is under 18 years of age.

Exception:
except as stated in Sentence 5.7.1.1.(2), which applies to possession and discharge of fireworks commonly used as distress flares.

Intent

II. To state the minimum age for a person who is permitted to purchase, possess, handle, discharge, fire or set off fireworks.
Application and intent of Division B provisions

CodeReference (including record number) 5.7.1.10.(1)-01
Attribution - functional statement/objective F43,F44-OH5

CodeText

1) Fireworks from which a projectile is discharged shall be set up in such a manner so that when ignited the projectile will go into the air in a vertical direction not more than 15° off the perpendicular.

Application

A1. Direction of release of projectiles from fireworks.

Intent

I1. To limit the probability that a projectile type of firework would follow a trajectory that would result in the projectile landing away from areas under the control of the person responsible for discharge of the firework, which could lead to the release of hazardous substances, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number)  5.7.1.10.(1)-02
Attribution - functional statement/objective  F02,F44–OP1.2

CodeText

1) Fireworks from which a projectile is discharged shall be set up in such a manner so that when ignited the projectile will go into the air in a vertical direction not more than 15° off the perpendicular.

Application

A1. Direction of release of projectiles from fireworks.

Intent

I1. To limit the probability that a projectile type of firework would follow a trajectory that would result in the projectile landing away from areas under the control of the person responsible for discharge of the firework, which could lead to spread of hazardous residue from the projectile, which could lead to the ignition of combustible material at the landing site, which could lead to damage to buildings, facilities, and other property.
Fireworks from which a projectile is discharged shall be set up in such a manner so that when ignited the projectile will go into the air in a vertical direction not more than 15° off the perpendicular.

Application
A1. Direction of release of projectiles from fireworks.

Intent
I1. To limit the probability that a projectile type of firework would follow a trajectory that would result in the projectile landing away from areas under the control of the person responsible for discharge of the firework, which could lead to spread of hazardous residue from the projectile, which could lead to the ignition of combustible material at the landing site, which could lead to damage to adjacent buildings, facilities, and other property.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.7.1.10.(2)-01
Attribution - functional statement/objective F01,F03–OS1.1,OS1.2

CodeText
2) Where ground level fireworks are discharged
a) they shall be positioned out of the firing range of aerial fireworks and in a location where there is no dry grass or combustible material on the ground beneath them, and
b) the area shall be thoroughly wet down immediately before the fireworks are discharged.

Application
A1. Preparation and arrangement of area in which ground level fireworks are to be discharged.

Intent
I1. To limit the probability that heat and flame from a burning firework would ignite combustible material, which could lead to spread of fire, which could lead to harm to persons.
I2. To limit the probability that aerial fireworks could land in an area in which ground level fireworks are to be discharged, which could lead to ignition of the ground level fireworks, which could lead to fire or explosion, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.7.1.10.(2)-02
Attribution - functional statement/objective F01,F03–OP1.1

CodeText

2) Where ground level fireworks are discharged
a) they shall be positioned out of the firing range of aerial fireworks and in a location where there is no dry grass or combustible material on the ground beneath them, and
b) the area shall be thoroughly wet down immediately before the fireworks are discharged.

Application

A1. Preparation and arrangement of area in which ground level fireworks are to be discharged.

Intent

I1. To limit the probability that heat and flame from a burning firework would ignite combustible material, which could lead to spread of fire, which could lead to damage to property.

I2. To limit the probability that aerial fireworks could land in an area in which ground level fireworks are to be discharged, which could lead to ignition of the ground level fireworks, which could lead to fire or explosion, which could lead to spread of fire, which could lead to damage to property.
Application and intent of Division B provisions

CodeReference (including record number)  5.7.1.10.(2)-03
Attribution - functional statement/objective  F01,F03–OP3.1

CodeText

2) Where ground level fireworks are discharged
   a) they shall be positioned out of the firing range of aerial fireworks and in a location where there is no dry grass or combustible material on the ground beneath them, and
   b) the area shall be thoroughly wet down immediately before the fireworks are discharged.

Application

A1. Preparation and arrangement of area in which ground level fireworks are to be discharged.

Intent

I1. To limit the probability that heat and flame from a burning firework would ignite combustible material, which could lead to spread of fire, which could lead to damage to adjacent property.

I2. To limit the probability that aerial fireworks could land in an area in which ground level fireworks are to be discharged, which could lead to ignition of the ground level fireworks, which could lead to fire or explosion, which could lead to spread of fire, which could lead to damage to adjacent property.
Application and intent of Division B provisions

Alberta Fire Code 2006

Application

F02,F12─OS1.2

Attribution - functional statement/objective

5.7.1.10.(3)01

CodeText

3) A portable extinguisher having a rating of not less than 2-A shall be provided and kept in the immediate discharge area.

Application

A1. Provision of portable extinguisher at an area in which fireworks are to be discharged.

Intent

I1. To limit the probability that a lack of extinguishing equipment would delay extinguishment or control of a fire involving the discharge of fireworks, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

**CodeReference** (including record number)  5.7.1.10.(3)-02
**Attribution - functional statement/objective**  F02.F12-OP1.2

**CodeText**
3) A portable extinguisher having a rating of not less than 2-A shall be provided and kept in the immediate discharge area.

**Application**
A1. Provision of portable extinguisher at an area in which fireworks are to be discharged.

**Intent**
I1. To limit the probability that a lack of extinguishing equipment would delay extinguishment or control of a fire involving the discharge of fireworks, which could lead to spread of fire, which could lead to damage to property.
Application and intent of Division B provisions

Application
A1. Obligations of person responsible for the discharge of high-hazard fireworks.

This applies to the provision of at least two portable extinguishers.

Intent
I1. To limit the probability that a lack of extinguishing equipment would delay extinguishment or control of a fire involving the discharge of fireworks, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference  (including record number)  5.7.1.11.(1)-02
Attribution - functional statement/objective  F02.F12–OP1.2

CodeText

1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that

a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks,

b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,

c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,

d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,

e) nothing other than a flashlight or electrical lighting is used for artificial illumination,

f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,

g) the location at which the fireworks are discharged is at least

i) 60 m from any highway or other similar means of travel used by the public, and

ii) 15 m from the nearest overhead obstruction,

h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and

i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

Application

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

This applies to the provision of at least two portable extinguishers.

Intent

I1. To limit the probability that a lack of extinguishing equipment would delay extinguishment or control of a fire involving the discharge of fireworks, which could lead to spread of fire, which could lead to damage to property.
Application and intent of Division B provisions

1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that:
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been
      trained in the proper handling of fireworks,
   b) the fireworks are set up in conformance with the "Display Fireworks Manual," published by Natural
      Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m
      from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible
      material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from
      the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion
      of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the
      conclusion of the display.

2) To limit the probability that partially extinguished high hazard fireworks could fall onto the landing area, which could lead to the ignition of combustible material, which could lead to fire, which could lead to spread of fire, which could lead to damage to property.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

This applies to the preparation of the potential landing area of spent high-hazard fireworks by clearance of spectators, vehicles, dry grass, and other combustible material.

Intent

I1. To limit the probability that partially extinguished high hazard fireworks could fall onto the landing area, which could lead to the ignition of combustible material, which could lead to fire, which could lead to spread of fire, which could lead to damage to adjacent property.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.7.1.11.(1)-05
Attribution - functional statement/objective F01,F03–OS1.1,OS1.2

CodeText

1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that
a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks,
b) the fireworks are set up in conformance with the "Display Fireworks Manual," published by Natural Resources Canada,
c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
g) the location at which the fireworks are discharged is at least
   i) 60 m from any highway or other similar means of travel used by the public, and
   ii) 15 m from the nearest overhead obstruction,
h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

Application

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

This applies to the preparation of the potential landing area of spent high-hazard fireworks by clearance of spectators, vehicles, dry grass, and other combustible material.

Intent

I1. To limit the probability that partially extinguished high hazard fireworks could fall onto the landing area, which could lead to the ignition of combustible material, which could lead to fire, which could lead to spread of fire, which could lead to harm to persons.
Application and intent of Division B provisions

**Application**

1. Obligations of person responsible for the discharge of high-hazard fireworks.

   a) They have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks.
   b) The fireworks are set up in conformance with the "Display Fireworks Manual," published by Natural Resources Canada,
   c) At least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) The potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) Nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) No person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) The location at which the fireworks are discharged is at least
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) A complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) Any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

**Intent**

1. To limit the probability that sources of artificial illumination, other than flashlights or electrical lighting, could inadvertently ignite high hazards fireworks, which could lead to fire or explosion, which could lead to harm to persons.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Obligations of person responsible for the discharge of high-hazard fireworks. This applies to the restriction on types of artificial illumination that could lead to premature or unwanted ignition of high-hazard fireworks.

Intent

11. To limit the probability that sources of artificial illumination, other than flashlights or electrical lighting, could inadvertently ignite high hazards fireworks, which could lead to fire or explosion, which could lead to damage to property.
Application and intent of Division B provisions

CodeReference (including record number) 5.7.1.11.(1)-08
Attribution - functional statement/objective P03-OP3.1

CodeText

1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that:
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks,
   b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

Application

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

   To provide a location, at which the high-hazard fireworks are discharged, which is at least
   - 60 m from any highway or similar means of travel used by the public, and
   - 15 m from the nearest overhead obstruction.

Intent

I1. To limit the probability that spent incompletely extinguished high hazard fireworks could fall onto a means of travel used by the public, which could lead to fire, which could lead to damage to adjacent property.
Application and intent of Division B provisions

Alberta Fire Code 2006

CodeReference (including record number) 5.7.1.11.(1)-09
Attribution - functional statement/objective F01-O81.2

CodeText

1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks,
   b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

Application

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

To provide a location, at which the high-hazard fireworks are discharged, which is at least
   - 60 m from any highway or similar means of travel used by the public, and
   - 15 m from the nearest overhead obstruction.

Intent

I1. To limit the probability that spent incompletely extinguished high hazard fireworks could fall onto a means of travel used by the public, which could lead to ignition of combustible material, which could lead to fire, which could lead to harm to persons.
Application and intent of Division B provisions
Alberta Fire Code 2006

Application and intent of Division B provisions

CodeReference (including record number) 5.7.1.11.(1)-10
Attribution - functional statement/objective Not applicable

CodeText

1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that:
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks,
   b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least:
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

Application

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

To employ a minimum number of assistants who are at least 18 years old, and who have training in the proper handling of fireworks, including high-hazard fireworks.

Intent

I1. To state the minimum qualifications for and number of personnel at a site where high hazard fireworks are discharged.
Application and intent of Division B provisions

Alberta Fire Code 2006

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

Reference to a source of information required to be followed during the set up of high-hazard fireworks.

1. Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks
   b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

CodeReference (including record number) 5.7.1.11.(1)-11
Attribution - functional statement/objective Not applicable
1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that:
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks,
   b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least:
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.

1. Clarification of the extent of the area that is to be kept free of all persons other than those responsible for the discharge of high-hazard fireworks.

Application

A1. Obligations of person responsible for the discharge of high-hazard fireworks.

Extent of area that is to be kept free of all persons other than those responsible for the discharge of the high-hazard fireworks.

Intent

II. Clarification of the extent of the area that is to be kept free of all persons other than those responsible for the discharge of high hazard fireworks.
1) Where high-hazard fireworks are discharged, the person responsible for discharging the fireworks shall ensure that:
   a) they have at least 2 assistants who are competent persons over 18 years of age and have been trained in the proper handling of fireworks;
   b) the fireworks are set up in conformance with the “Display Fireworks Manual,” published by Natural Resources Canada,
   c) at least 2 portable extinguishers each having a rating not less than 2-A shall be not more than 45 m from the location at which the fireworks are discharged,
   d) the potential landing area is cleared of spectators, vehicles, dry grass and other combustible material immediately prior to the beginning of the display and during the display,
   e) nothing other than a flashlight or electrical lighting is used for artificial illumination,
   f) no person, other than persons responsible for discharging the fireworks, is closer than 45 m from the location at which the fireworks are being discharged,
   g) the location at which the fireworks are discharged is at least:
      i) 60 m from any highway or other similar means of travel used by the public, and
      ii) 15 m from the nearest overhead obstruction,
   h) a complete search is conducted of the display area for any duds within 12 hours of the conclusion of the display, and
   i) any unused fireworks or duds remaining are disposed of in a safe manner within 12 hours of the conclusion of the display.