ANALYSIS

This ordinance amends Title 32 - Fire Code of the Los Angeles County Code by clarifying certain provisions which were previously incorporated into Title 32.

This ordinance further amends Title 32 by adding back certain provisions inadvertently omitted and by deleting certain provisions inadvertently included in the 2002 amendments to Title 32.

This ordinance further amends Title 32 by making minor editorial corrections.

LLOYD W. PELLMAN
County Counsel

By
ERIC R. YOUNG
Principal Deputy County Counsel
Public Works Division

ERY:ia
10/28/03 (requested)
10/28/03 (revised)
An ordinance amending Title 32 - Fire Code of the Los Angeles County Code.

The Board of Supervisors of the County of Los Angeles ordains as follows:

SECTION 1. The following sections of Title 32 are repealed in their entirety:

1007.2.2.2
7904.5.2.2
7904.5.4.2.1

SECTION 2. Section 101.8 is hereby amended to read as follows:

101.8 References to Appendix. When this code references the appendix, the provisions in the appendix to the 2001 Edition of the California Fire Code shall not apply unless specifically adopted. Only Appendix I-C, Appendix II-C, Appendix II-D, Appendix IV-A, and Appendix VI-A, have been adopted into this code.

SECTION 3. Section 103.3.5.1 is hereby amended to read as follows:

103.3.5.1 Information on plans and specifications. Plans and specifications shall be drawn to scale on substantial paper or cloth and shall be of
sufficient clarity to indicate the nature and extent of the work proposed and show in
detail that it will conform to the provisions of this code and all relevant laws, ordinances,
rules and regulations. The first sheet of each set of plans shall give the house and
street address of the work and the name and address of the owner and persons who
prepared them. Plans shall include a plot plan showing the location of the proposed
building and of every existing building on the property.

SECTION 4. Section 103.4.9 is hereby renumbered and amended to read
as follows:

103.4.9 Administrative Penalty.

103.4.9.1 Administrative penalty:—imposition. An administrative
penalty may be imposed on all parcels found to be in violation of Sections 1117.2.2,
1117.2.3, 1117.10, or 902.2.2.1 of this code relating to clearance of brush and
combustible growth, roadway clearance, and vertical clearance on fire access roads.

SECTION 5. Section 103.4.9.1 is hereby renumbered and amended to
read as follows:

103.4.9.42 Administrative penalty:—enforcement. An administrative
penalty will be imposed and enforced upon failure of the responsible party to comply
with written abatement instructions and timeframes contained on the Official Inspection
Report Form (County of Los Angeles Fire Department FORM 410B) issued by the
County of Los Angeles Fire Department.

SECTION 6.  Section 103.4.9.2 is hereby renumbered and amended to read as follows:

103.4.9.23  **Declared parcel.** A declared parcel is a parcel which contains
noxious weeds and other flammable vegetation that are a fire hazard and which
constitutes a public nuisance which must be abated as declared in an annual resolution
of the Board of Supervisors. An owner of a declared parcel will be mailed a declaration
card specifying the abatement actions required of the owner. The declaration card
constitutes the first official notice to the owner. A physical inspection of the declared
parcel is conducted by the County of Los Angeles Fire Department to determine
compliance with the declaration card. After the physical inspection, if the County of Los
Angeles Fire Department determines that the owner has not complied with the
declaration card, then such noncompliance constitutes the first violation of the fire code.
The owner will be given notice of such first violation of the fire code. This notice
constitutes the second official notice to the owner. The second official notice shall also
inform the owner that an administrative penalty may be imposed on the declared parcel
if not properly cleared. An owner’s failure to comply with the second official notice
constitutes the second violation of the fire code.
SECTION 7. Section 103.4.9.3 is hereby renumbered and amended to read as follows:

103.4.9.34 Enforcement on Undeclared parcels. An undeclared parcel is a parcel not contained in the annual resolution of the Board of Supervisors described in Section 103.4.9.23. After a physical inspection, if the County of Los Angeles Fire Department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of such violation of the fire code. This notice of violation constitutes the first official notice. An owner’s failure to comply with the first official notice constitutes the first violation of the fire code. After a first violation, a physical inspection of an undeclared parcel will be conducted by the County of Los Angeles Fire Department to determine compliance with the fire code. After the physical inspection, if the County of Los Angeles Fire Department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of the second violation of the fire code. This notice constitutes the second official notice to the owner. This second official notice shall also inform the owner that an administrative penalty may be imposed on an undeclared parcel if not cleared. An owner’s failure to comply with the second notice constitutes the second violation of the fire code.
SECTION 8. Section 103.4.9.4 is hereby renumbered and amended to read as follows:

103.4.9.4 **Administrative penalty: - amount.** The administrative penalty for a first violation as described in Section 103.4.9.2 or 103.4.9.3 is zero. The administrative penalty for a second violation as described in Section 103.4.9.2 or 103.4.9.3 is $200.00.

SECTION 9. Section 103.4.9.5 is hereby amended to read as follows:

103.4.9.5 **Administrative penalty: - collection.** The administrative penalty will be collected by the County of Los Angeles Fire Department through direct invoice. The County of Los Angeles Fire Department shall notify the owner of the imposition and amount of the administrative penalty. **Inspection – notice of violations.** After a physical inspection, if the fire department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of such violation of the fire code. This notice of violation constitutes the first official notice. An owner’s failure to comply with the first official notice constitutes the first violation of the fire code. After a first violation, a physical inspection of an undeclared parcel will be conducted by the fire department to determine compliance with the fire code. After the physical inspection, if the fire department determines that an undeclared parcel is not in compliance with the fire code, the owner will be given notice of the second violation of
the fire code. This notice constitutes the second official notice to the owner. This second official notice shall also inform the owner that an administrative penalty may be imposed on an undeclared parcel if not cleared. An owner’s failure to comply with the second notice constitutes the second violation of the fire code.

SECTION 10. Section 103.4.9.7 is hereby added to read as follows:

103.4.9.7 Administrative penalty - collection. The administrative penalty will be collected by the fire department through direct invoice. The fire department shall notify the owner of the imposition and amount of the administrative penalty.

SECTION 11. Section 103.4.9.6 is hereby renumbered and amended to read as follows:

103.4.9.6 8 Administrative penalty: administrative review and appeal. The imposition of the administrative penalty may be appealed in writing utilizing the claim resolution form provided with the invoice. The claim resolution form must be filed with the Brush Clearance Office Unit of the County of Los Angeles Fire Department within 30 days of the date of invoice.

Brush Clearance Office Unit personnel will attempt to resolve the claim, and
provide a written response to the claimant within \(1030\) working days of receipt of the claim. If unable to resolve the claim, Brush Clearance Office Unit personnel will forward the claim to the Brush Clearance Section Manager. The Brush Clearance Section Manager will review the claim and provide a final administrative order or decision in writing within \(1030\) working days of the receipt of the claim. The Brush Clearance Section Manager will make the final decision of the County of Los Angeles Fire Department on the claim.

Any person contesting the final administrative order or decision of the County of Los Angeles Fire Department may seek further review pursuant to Section 53069.4 of the California Government Code.

Any administrative penalty imposed shall be cancelled or refunded as provided in Sections 14920 and 14921 of the State Health and Safety Code, or any successor statute of similar import.

**SECTION 12.** Section 105.8 is amended by adding subsection a.6. to read as follows:

a.6. **Activities in hazardous fire areas.** Any of the activities as described in Section 1118.2.
SECTION 13. Section 105.8 is amended by adding subsection b.2. to read as follows:

b.2. **Bonfires or rubbish fires.** To kindle or maintain or authorize the kindling or maintenance of bonfires or rubbish fires. See Article 11.

SECTION 14. Section 105.8 is amended by adding subsection h.4. to read as follows:

h.4. **Hot-air balloon.** To operate or launch any hot-air balloon which has its lifting power provided by an open flame device.

SECTION 15. Section 105.8 is amended by adding subsection r.4. to read as follows:

r.4. **Rifle range.** To establish, maintain, or operate a rifle range.

SECTION 16. Section 222 - U is hereby amended to read as follows:
UNAUTHORIZED DISCHARGE is a release or emission of materials in a manner which does not conform to the provisions of this code or applicable public health and safety regulations shall mean any spilling, leaking, releasing, leaching, emptying, dumping, or disposing of a hazardous material/waste into the environment, unless permitted by a regulatory agency.

UNIFIED PROGRAM shall mean the Unified Hazardous Waste and Hazardous Materials Management Regulatory program.

SECTION 17. Section 1004.6 is hereby added to read as follows:

1004.6 Specific requirements. In addition to the requirements of U.B.C. Standard No. 9-2, specific requirements are as follows:

1004.6.1 Class I standpipes.

1004.6.1.1 Construction. Materials and devices shall be of sufficient strength to withstand not less than 200 pounds per square inch of water pressure when ready for service. All Class I standpipes shall be tested hydrostatically to withstand not
less than 200 pounds per square inch of pressure for two hours, but in no case shall the pressure be less than 50 pounds per square inch above the maximum working pressure.

1004.6.1.2 **Fire department connection.** Standpipes shall be equipped with a listed four-way fire department connection. Systems with three or more standpipes shall be provided with a sufficient number of inlets as required by the chief. All fire department connections shall be located on the building address street front, not less than 24 inches nor more than 42 inches above grade and shall be equipped with an approved straight-way check valve and substantial plugs or caps. All fire department connections shall be visible, accessible, and clearly marked with approved signage. More than one fire department connection may be required.

1004.6.1.3 **Outlets.** Each standpipe shall be equipped with an approved 21/2 inch outlet not less than 2 feet nor more than 4 feet above the floor level of each story. Standpipe outlets in stairway enclosures or smokeproof enclosures shall be so located that the exit doors do not interfere with the use of the outlet, and located on the main stair landing. All outlets shall be equipped with an approved valve, cap, and chains.

No point within a building requiring standpipes shall be more than 130 feet travel distance from a standpipe outlet connection.
1004.6.2 Class II standpipes.

1004.6.2.1 Outlets. All Class II standpipe systems shall comply with the requirements of subsection 1004.6.1. In addition to the requirements in subsection 1004.6.1, all Class II interior wet standpipes shall be equipped with a 1½ inch valve, no more than 100 feet of lined hose, and an approved fog nozzle in each story, including the basement or cellar of the building, and located not less than 3 feet nor more than 5 feet above the floor. Where combination standpipes are installed, the 1½ inch outlet system may be supplied from the combination system with a 2 inch connecting line.

1004.6.3 Class III standpipes.

1004.6.3.1 Class III standpipes. All Class III standpipe systems shall comply with the requirements of subsection 1004.6.1. In addition to the requirements in subsection 1004.6.1, Class III standpipe systems shall be installed in accordance with the requirements of subsection 1004.6.3.

1004.6.3.2 Size. Class III standpipe systems shall be not less than 6 inches in diameter.

1004.6.3.3 Riser shutoff valve and drain. Each individual riser must be equipped with an indicating valve at its base and an approved valve for draining.
SECTION 18. Section 1004.6.4.3 is hereby added to read as follows:

1004.6.4.3 Location. The location of basement pipe inlets shall be as required by the fire department.

SECTION 19. Section 1004.6.4.4 is hereby added to read as follows:

1004.6.4.4 Detailed Requirements. All basement pipe inlets shall be of cast iron, steel, brass or bronze with lids of cast iron or bronze.

The basement pipe inlet shall consist of a sleeve of not less than 8-inch inside diameter extending through the floor and terminating flush with or through the basement ceiling and shall have a top flange recessed with an inside shoulder to receive the lid. The top flange shall be installed flush with finish floor surface. The lid shall be a solid casting and have a lift recessed in the top. This lid shall be provided with a cast-in sign reading FIRE DEPARTMENT ONLY - DO NOT COVER. The lid shall be installed in such a manner as to permit its easy removal from the flange shoulder.

SECTION 20. Section 1117.1.2 is hereby amended to read as follows:

1117.1.2 Line clearance—high tension. Any person owning, controlling, operating or maintaining any
electrical transmission or distribution line upon any
mountainous, or forest, or brush-covered lands, or lands
covered with flammable growth shall maintain a clearance of
the respective distances hereinafter in this section specified in
all directions between all vegetation and all conductors
carrying electrical current.

For lines operating at 2,400 volts or more, but less than
72,000 volts, four (4) feet;

For lines operating at 72,000 volts or more, but less than
110,000 volts, six (6) feet; and

For lines operating at 110,000 volts or more, ten (10) feet.

In any case, such distance shall be sufficiently great to furnish the required
clearance from the particular wire or conductor at any position, of such wire or conductor
at any temperature of 120 degrees Fahrenheit or less. Dead trees, old, decadent or
rotten trees, those weakened by decay or disease and trees leaning toward the line,
which may contact the line from the side or may fall on the line, shall be felled, cut or
trimmed so as to remove the hazard.
SECTION 21. Section 1117.2.1.1 is hereby amended to read as follows:

1117.2.1.1 Fuel modification plans, landscape plans and irrigation plans submitted pursuant to Section 1117.2.1 may be prepared by a landscape designer, a landscape contractor, or an individual with expertise acceptable to the forestry division of the fire department.

Appeals. The Chief, Forestry Division will adjudicate all policy interpretations relevant to Fuel Modification Plan requirements and serve as the final authority in the appeals process.

SECTION 22. Section 1117.3.4 is hereby amended to read as follows:

1117.3.4 Notice of failure to correct. In the event any of the conditions prohibited by either Section 1117.2.2 or 1117.2.3 exist, the Governing Body may instruct the chief or commissioner to give notice to the owner of the property upon which such condition exists, to correct such prohibited condition, and if the owner fails to correct such condition the Governing Body may cause the same to be done and make the expenses of such correction a lien upon the property upon which such condition exists. If it so instructs the chief or commissioner, the Governing Body shall designate the time and place of a hearing either before itself or before a referee appointed by it, and shall notify the chief of its action.
SECTION 23. Section 1117.7.2 is hereby amended to read as follows:

1117.7.2 Hearing on report. At the time fixed for receiving and considering the report, the Governing Body or the referee shall hear it and any objections of any of the property owners liable to be assessed for the work of clearing vegetation.

SECTION 24. Section 1118.19 is hereby amended to read as follows:

1118.19 Hazardous warning lights. It shall be unlawful to maintain any torch or lantern utilizing an open flame along any excavation, road, or any place where the dislodgment of such torch or lantern might permit same to roll, fall, or slide onto any forest or brush-covered land, or any land containing flammable material.

SECTION 25. Table 7902.5-C is hereby amended to read as follows:

Table 7902.5-C

MAXIMUM STORAGE HEIGHT IN CONTROL AREA

(SPRINKLED AREA FEET)

SPRINKLERED AREA (feet) \(^1\)

SPRINKLERED WITH IN-RACK PROTECTION (feet) \(^1\)
Automatic sprinkler system shall be provided in accordance with Tables 7902.5-F through 7902.5-K.

SECTION 26. Section 7904.5.4.7 is hereby amended to read as follows:

7904.5.4.7 Time limit or unloading and permit. Tank vehicles and railroad tank cars shall be unloaded as soon as possible after arrival at point of delivery and shall not be used as storage tanks. Tank cars shall be unloaded only on private sidings or railroad siding facilities equipped for transferring the liquid between tank cars and permanent storage tanks. A permit shall be required for a tank car to remain on a siding at the point of delivery while connected for transfer operations. Transfer operations shall be in accordance with DOT requirements and the this code.

SECTION 27. Section 8001.3.2. is hereby added to read as follows:

8001.3.2 Hazardous materials business plan. When required by the authority having jurisdiction, each application for a permit shall include a hazardous materials business plan (HMBP). The location of the HMBP shall be posted adjacent to permits when an HMBP is provided. The HMBP shall include a facility site plan designating the following:
1. Storage and use areas,

2. Maximum amount of each material stored or used in each area,

3. Range of container sizes,

4. Locations of emergency isolation and mitigation valves and devices,

5. Product conveying piping containing liquids or gases, other than utility-owned fuel gas lines and low-pressure fuel gas lines,

6. On and off positions of valves for valves which are of the self-indicating type, and

7. Storage plan showing the intended storage arrangement, including the location and dimensions of aisles.

The plans shall be legible and approximately to scale. Separate distribution systems are allowed to be shown on separate pages.

SECTION 28. Section 8001.3.2.1 is hereby added to read as follows:

8001.3.2.1 Application. Each application for a permit required by this
article shall include a hazardous materials business plan (HMBP) in accordance with
Chapter 12.64 of Title 12 of this code.

**SECTION 29.** Section 8001.3.2.2 is hereby added to read as follows:

**8001.3.2.2 Reporting.** Every business shall comply with the reporting
requirements as set forth in Chapter 12.64 of Title 12 of this code.

**SECTION 30.** Section 8001.3.4 is hereby amended to read as follows:

**8001.3.4 California Accidental Release Prevention Program.** Every
business shall comply with the requirements as set forth in Part 2 of Chapter 2.20
12.64 of Title 12 of the County this code.

**SECTION 31.** Section 8001.5.2.5 is hereby amended to read as follows:

**8001.5.2.5 Responsibility for cleanup.** The person, firm or corporation
responsible for an unauthorized discharge shall institute and complete all actions
necessary to remedy the effects of such unauthorized discharge, whether sudden or
gradual, at no cost to the jurisdiction. When deemed necessary by the chief, cleanup
may be initiated by the fire department or by an authorized individual or firm. Cost
associated with such cleanup shall be borne by the owner, operator or other person
responsible for the unauthorized discharge. Upon termination of cleanup activities the HHMD, Emergency Operation Section of the fire department must be contacted to assess cleanup measures and clear site for reoccupancy or reuse.

**SECTION 32.** Section 8102.7.2 is hereby amended to read as follows:

**8102.7.2 Types of vents.** Smoke and heat vents shall be approved and shall be labeled to indicate compliance with nationally recognized standards. See Article 90, Standards f.1.2, i.2.1 and u.1.12. Smoke and heat vents shall be operated automatically by activation of any one of the following:

1. An approved fixed-temperature heat-responsive device rated between 100 and 200° F (56 and 111° C) above estimated ambient temperatures. If a fire sprinkler system is provided, the fixed-temperature heat-responsive device shall also be a minimum of one temperature rating higher than the sprinkler heads. With ESFR sprinkler systems, the fixed-temperature heat-responsive device shall also be a minimum two temperature ratings higher than the sprinkler heads up to 360° F,

2. An approved rate-of-rise device, or

3. Approved heat-sensitive glazing designed to shrink and drop out of the vent opening.
The heat-responsive device shall be listed and labeled. Smoke and heat vents shall have the capability of being opened by an approved exterior manual operation.

SECTION 33. Section 8104.2.3.1 is hereby amended to read as follows:

8104.2.3.1 General. Racks with solid shelving having an area greater than 32 square feet (2.97 m²), measured between approved flue spaces at all four edges of the shelf, shall be in accordance with Section 8104.2.3.

EXCEPTIONS: 1. Racks with mesh, grated, slatted or similar shelves having uniform openings not more than 6 inches (152.4 mm) apart, comprising at least 50 percent of overall shelf area, and with approved flue spaces, are allowed to be treated as racks without solid shelves.

2. Racks used for the storage of combustible paper records, with solid shelving, shall be in accordance with UFC Standard 81-4.
3. In buildings with ESFR fire sprinkler protection, the storage racks shall not utilize solid, slatted, and other types of shelving that obstructs sprinkler water penetration down through the racks, unless allowed per NFPA 13 7-4.1.7.1.

SECTION 34. Table 81-A is amended to read as follows:

<table>
<thead>
<tr>
<th>Size of High-Piled Storage Area (square feet)</th>
<th>Maximum Pile Dimension (feet)</th>
<th>Maximum Pile Volume (cubic feet)</th>
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<tr>
<td>501-2,500</td>
<td>50x100100</td>
<td>100,000</td>
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<tr>
<td>2,501-12,000</td>
<td>50x100100</td>
<td><strong>200,000</strong>400,000</td>
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<td>Public access</td>
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<td>2,501-12,000</td>
<td>50x100100</td>
<td><strong>200,000</strong>400,000</td>
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<td>Non Public access</td>
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<td>12,001-20,000</td>
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<td>Greater than 500,000</td>
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<td>500,000²</td>
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</tbody>
</table>

...
SECTION 35. Section 8901 is hereby amended as follows:

8901 Scope. In accordance with Section 103.4.7 the violation of the following sections shall be infractions:

<table>
<thead>
<tr>
<th>Section</th>
<th>Offense</th>
</tr>
</thead>
<tbody>
<tr>
<td>901.4.4</td>
<td>Building numbering <strong>Premise Identification</strong></td>
</tr>
<tr>
<td>902.2.4.1</td>
<td>Obstruction of fire protection equipment</td>
</tr>
<tr>
<td>902.2.4.1</td>
<td>Obstructing access roadway</td>
</tr>
<tr>
<td>902.2.4.2</td>
<td>Trespassing on a closed road</td>
</tr>
<tr>
<td>1001.5.1</td>
<td>Failure to maintain <strong>alarm system</strong> fire protection systems and equipment</td>
</tr>
<tr>
<td>1001.5.3</td>
<td>Failure to notify Fire Department</td>
</tr>
<tr>
<td>1001.6.2</td>
<td>Hydrant use approval</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
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<tr>
<td>---------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>1001.7</td>
<td>Obstruction of fire protection equipment</td>
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<tr>
<td>1002</td>
<td>Fire extinguishers</td>
</tr>
<tr>
<td>1102.3</td>
<td>Open fires</td>
</tr>
<tr>
<td>1103</td>
<td>Waste combustibles</td>
</tr>
<tr>
<td>1103.3</td>
<td>Combustible waste -- Storage within buildings</td>
</tr>
<tr>
<td>1105</td>
<td>Asphalt kettles</td>
</tr>
<tr>
<td>1109.4</td>
<td>&quot;No Smoking&quot; sign</td>
</tr>
<tr>
<td>1109.5</td>
<td>Discarding burning objects</td>
</tr>
<tr>
<td>1109.6</td>
<td>Hot ashes and other dangerous materials</td>
</tr>
<tr>
<td>1117.2.2</td>
<td>Clearance of brush -- Structure</td>
</tr>
<tr>
<td>1117.2.3</td>
<td>Clearance of brush -- Extra hazard</td>
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<tr>
<td>1118.17</td>
<td>Fire roads and firebreaks</td>
</tr>
</tbody>
</table>
1207.3  Door-locking devices

1207.6  Exit doors readily distinguishable

1210.3  Stairway -- Storage under

1212.4  "Exit" sign illumination – maintenance of

2401.6  "No Smoking" signs within designated areas

2901.6.2  Waste oil storage

3004.3  Lumber yards -- Waste Removal

3008.5  Combustible waste

32433214.2  Exit sign illumination

3221.2  Housekeeping -- Vegetation

3221.3  Housekeeping -- Storage
3404  Access to area

3601.6  Fire extinguisher -- Dry cleaning plant

3601.7  No smoking -- Dry cleaning plant

4501.4  Smoking prohibited

4501.5  Welding warning signs

4502.3.3  Discarded filter pads

4502.8.2  Portable fire protection equipment

4502.9  Operations and maintenance

4502.9.6  Combustible debris and metal waste cans

4503.7.1  Portable fire extinguisher

4503.8  Dip tank covers
4504.3.2  Signs -- "Dangerous"

4504.4  Maintenance -- Electrostatic apparatus

4505.6.1  Maintenance -- Powder coating

4506.6  "No Smoking" sign

4606.2  "No Smoking" -- Fruit ripening room

4607  Housekeeping -- Fruit ripening room

5201.7  Safety rules

7401.5.1  Storage containers -- Identification

7401.6  Storage and use of cylinders

7607  General requirements (smoking)

7901.7.2  Maintenance and operating practices
7901.10  Sources of Ignition

7902.5.3  Empty containers

7904.3.2.1  Storage tanks

7904.4.7  "No Smoking" sign

7904.4.9  Fire protection

7904.6.4  No Smoking

8001.8  Hazardous materials signage

8003.1.12  Combustible materials -- Clearance

8004.1.8  Hazardous materials -- Dispensing, use and handling, no smoking signage

8004.3.4  Combustible materials – clearance

8208  "No smoking" signs -- LPG container
<table>
<thead>
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<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>8209</td>
<td>Combustible material -- Clearance from LPG container</td>
</tr>
<tr>
<td>8506</td>
<td>Extension cords</td>
</tr>
<tr>
<td>Appendix IIC Sec.5</td>
<td>Fire prevention regulations -- marina</td>
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<tr>
<td>Appendix IIC 5.2</td>
<td>Open flame device -- Boat or marina</td>
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<tr>
<td>Appendix IIC 6.3</td>
<td>Access</td>
</tr>
<tr>
<td>Appendix IIC 6.4</td>
<td>Portable fire protection equipment</td>
</tr>
</tbody>
</table>

**SECTION 36.** Section 9003 is hereby amended to read as follows:

**SECTION 9003. -- RECOGNIZED STANDARDS**

...  

a.7. ALLIANCE OF AMERICAN INSURERS  
3025 Highland Parkway, Suite 800, Downers Grove, IL 60515-1289  
a.8. AMERICAN INSURANCE ASSOCIATION
1130 Connecticut Ave NW, Suite 1000, Washington DC 20036

a.9. **AMERICAN INSURANCE ASSOCIATION RESEARCH REPORTS**

No. 1  Fire Hazards of the Plastic Industry, M65.

No. 2  Potential Hazards in Molten Salt Baths for Heat Treatment of Metals, M65.

No. 5  Processes, Hazards and Protection Involved in the Manufacture of Spirituous Liquors, O16.

No. 7  Precautionary Fire and Explosion Safeguards in the use of Chlorine Dioxide for Industrial Bleaching. M75.

No. 9  Fire and Explosion Hazards of Thermal Insecticidal Fogging. M40.

No. 10  Mechanism of Extinguishment of Fire by Finely Divided Water.

No. 11  Fire and Explosion Hazards of Organic Peroxides.

No. 12  Nitroparaffins and their Hazards.

c.1. **COMPRESSED GAS ASSOCIATION, INC.**

4221 Walney Road 5th Floor Chantilly, VA 20151-2923

CGA PAMPHLETS

c.1.1  C-7 Guide to the Precautionary Labeling and Marking of Compressed Gas Containers

c.1.2  G-1 Acetylene

c.1.3  G-2 Anhydrous Ammonia

c.1.4  G-3 Sulphur Dioxide

c.1.5  G-4 Oxygen
c.1.6  G-5 Hydrogen

c.1.7  P-1 Safe Handling of Compressed Gases

c.1.8  P-2 Characteristics and Safe Handling of Medical Gases

c.1.9  V-5 Diameter-Index Safety System

c.2.  CHEMTREC (AMERICAN CHEMISTRY COUNCIL)
      1300 Wilson., Washington, DC 20009
      CMA Safety Data Sheets.

d.1  DEPARTMENT OF LABOR, Mine Safety and Health Administration,
      1301 Airport Road, Beaver, WV 25813-9426
      Information Circular 8179 Safety Recommendations for Sensitized
      Ammonium Nitrate Blasting Agents.

d.2.  DEPARTMENT OF TRANSPORTATION
      400 Seventh Street, S.W., Washington, DC 20590
      D.O.T Hazardous Material Standards Specifications MC 300, MC 302, MC
      303, MC 304, MC 305, MC 330, MC 331.

f.2.  FERTILIZER INSTITUTE
      1015 18th Street, N.W., Washington, DC 20006
      Definition and Test Procedures for Ammonium Nitrate Fertilizer.

i.2.  INDUSTRIAL RISK INSURERS
      85 Woodland Street, Hartford, CT 06102
i.3. INDUSTRIAL RISK INSURERS
85 Woodland Street, Hartford, CT 06102

i.4. INSTITUTE OF MAKERS OF EXPLOSIVES
1120 Nineteenth Street, N.W., Suite 310, Washington, DC 20036

i.5. IME PAMPHLETS
No. 20 Radio Frequency Radiation Hazard in Use of Commercial Detonators (Blasting Caps).

n.2. NATIONAL FIRE PROTECTION ASSOCIATION
1 Batterymarch Park, Quincy, MA 02269-9101
NFPA CODES and STANDARDS

s.2. SUPERINTENDENT OF DOCUMENTS
Title 49, Chapter X, Code of Federal Regulations, Part 78 of Interstate Commerce Regulations.
UNITED STATES BUREAU OF MINES

4800 Forbes Avenue, Pittsburgh, PA 15213

U.S. Department of Interior Information Circular 8179 Safety
Recommendations for Sensitized Ammonium Nitrate Blasting Agents.

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