

**OCCUPATIONAL SAFETY  
AND HEALTH STANDARDS BOARD**

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NOTICE OF PROPOSED MODIFICATIONS TO  
CALIFORNIA CODE OF REGULATIONS

TITLE 8: Section 5574 of the General Safety Orders Safety Orders

**Electrical Equipment in Hazardous (Classified) Locations**

Pursuant to Government Code Section 11346.8(c), the Occupational Safety and Health Standards Board (Standards Board) gives notice of the opportunity to submit written comments on the above-named standards in which modifications are being considered as a result of public comments and/or Board staff consideration.

On December 18, 2014 the Standards Board held a Public Hearing to consider revisions to Title 8, Section 5574 of the General Industry Safety Orders. The Standards Board received a comment on the proposed revisions. The standard has been modified as a result of this comment and Board consideration.

A copy of the full text of the standard as originally proposed, with the modifications clearly indicated, is attached for your information. In addition, a summary of all written comments regarding the original proposal and staff responses is included.

Any written comments on these modifications must be received by 5:00 p.m. on March 18, 2015, at the Occupational Safety and Health Standards Board, 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833 or submitted by fax to (916) 274-5743 or e-mailed to [oshsb@dir.ca.gov](mailto:oshsb@dir.ca.gov). This proposal will be scheduled for adoption at a future business meeting of the Standards Board.

The Standards Board's rulemaking files on the proposed action are open to public inspection Monday through Friday, from 8:00 a.m. to 4:30 p.m., at the Standards Board's office at 2520 Venture Oaks Way, Suite 350, Sacramento, California 95833.

Inquiries concerning the proposed changes may be directed to the Executive Officer, Marley Hart, at (916) 274-5721.

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date: March 2, 2015

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Marley Hart, Executive Officer

**PROPOSED MODIFICATIONS**

**Modifications are indicated in bold, underline wording for new language and bold strikeout for deleted language.)**

**STANDARDS PRESENTATION  
TO  
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,  
TITLE 8, DIVISION 1, CHAPTER 4

Amend Section 5574 to read:

§5574. Electrical Equipment.

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(c) ~~Table FL-9~~ Title 24, Part 3, California Electrical Code, Article 514 shall be used to delineate and classify areas for the purpose of installation of electrical equipment under normal circumstances. A classified area shall not extend beyond an unpierced wall, roof or other solid partition.

(d) The area classifications listed in (c) shall be based on the premise that the installation meets the applicable requirements of these orders in all respects. (Title 24, T8-5574)

(e) Emergency electrical disconnects for motor fuel dispensing facilities shall be installed in accordance with Section 5572 and Section 2540.7 of Title 8.

<del>Table FL-9</del>		
<del>Electrical Equipment Classified Areas - Service Stations</del>		
<del>Location</del>	<del>Class I, Group D Division</del>	<del>Extent of Classified Area</del>
<del>UNDERGROUND TANK</del>		
<del>Fill Opening</del>	<del>1</del>	<del>Any pit, box or space below grade level, any part of which is within the Division 1 or 2 classified area.</del>
	<del>2</del>	<del>Up to 18 inches above grade level within a horizontal radius of 10 feet from a loose fill connection and within a horizontal radius of 5 feet from a tight fill connection.</del>
<del>Vent Discharging</del>	<del>1</del>	<del>Within 3 feet of open end of vent, Upward extending in all directions</del>
	<del>2</del>	<del>Area between 3 feet and 5 feet of open end of vent, extending in all directions.</del>
<del>DISPENSER</del>		
<del>Pits</del>	<del>1</del>	<del>Any pit, box or space below grade level, any part of which is within the Division 1 or 2 classified area.</del>

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TO  
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**PROPOSED STATE STANDARD,  
TITLE 8, DIVISION 1, CHAPTER 4**

~~Dispenser enclosure 1 The area up to 4 feet vertically above the base within the enclosure, and 18 inches horizontally in all directions.~~

~~Outdoor 2 Up to 18 inches above grade level within 20 feet horizontally of any edge of enclosure.~~

**INDOOR**

~~with Mechanical Ventilation 2 Up to 18 inches above grade or floor level within 20 feet horizontally of any edge of enclosure.~~

~~with Gravity Ventilation 2 Up to 18 inches above grade or floor level within 25 feet horizontally of any edge of enclosure.~~

**DISPENSING UNITS,**

~~OVERHEAD TYPE 1 Within the dispenser enclosure and 18 inches in all directions from the enclosure where not suitably cut off by ceiling or wall. All electrical equipment integral with the dispensing hose or nozzle.~~

~~2 An area extending 2 feet horizontally in all directions beyond the Division 1 area and extending to grade below this classified area.~~

~~2 Up to 18 inches above grade level within 20 feet horizontally measured from a point vertically below the edge of any dispenser enclosure.~~

**REMOTE PUMP**

~~OUTDOOR 1 Any pit, box or space below grade level if any part is within a horizontal distance of 10 feet from any edge of pump.~~

~~2 Within 3 feet of any edge of pump, extending in all directions. Also up to 18 inches above grade level within 10 feet horizontally from any edge of pump.~~

**REMOTE PUMP**

~~IN DOOR 1 Entire area within any pit.~~  
~~2 Within 5 feet of any edge of pump, extending in all directions. Also up to 3 feet above floor or grade level within 25 feet horizontally from any edge of pump.~~

**LUBRICATION OR SERVICE ROOM**

~~1 Entire area within any pit.~~  
~~2 Area up to 18 inches above floor or grade level within entire lubrication room~~

**DISPENSER FOR**

~~Liquids with a flashpoint below 2 Within 3 feet of any fill or dispensing point, extending in all directions.~~

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PROPOSED STATE STANDARD,  
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~~below 100°F (37.8°C)  
(<sup>2</sup>)~~

~~SPECIAL ENCLOSURE INS-  
IDE BUILDING PER SEC-  
TION 5567 1 Entire enclosure.~~

~~SALES, STORAGE AND  
REST ROOMS (<sup>2</sup>) If there is any opening to these class rooms  
within the extent of a Division 1 area, the  
entire room shall be classified as Division 1.~~

Footnote (1) ~~Category 1 or 2 flammable liquids, or for Category 3 flammable liquids  
with a flashpoint below 100 °F (37.8 °C).~~

Footnote (2) Ordinary

**(f) The design, fabrication, and installation of fuel dispensing equipment shall be approved or listed.**

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code

## **SUMMARY OF AND RESPONSES TO COMMENTS**

## **SUMMARY OF AND RESPONSES TO WRITTEN AND ORAL COMMENTS**

### **I. Written Comments**

David Y Shiraishi, MPH, Area Director, Occupational Safety and Health Administration, by letter dated December 23, 2014.

#### **Comment:**

The proposed occupational safety and health hazard does not appear to be commensurate with the federal standard. Specially, on page 3 of the side by side, the table should read “Containing valves fitting or piping not within division 1 or 2 zone or 2 classified area”. The proposed standard is missing the word “not”.

Ensure the area which is four feet vertically above the base within the enclosure and 18 inches horizontally in all direction is classified as Division 1 or 2, and the classification extends only 18 inches horizontally in all directions.

#### **Response:**

A typographical error was made in the side by side and not on the proposed regulatory text. Section 5574 refers the reader to Title 24, Part 3, California Electrical Code, Article 514 for provisions about the delineation and classification of areas for the purpose of installation of electrical equipment. The referred document is correct.

Regarding the second comment, the proposal will be revised to clarify the requirement that the fuel dispensers shall be installed in an approved manner.

The Board thanks Mr. Shiraishi for his comment and participation in Board’s rulemaking process.

### **II. Oral Comments**

No oral comments were received at the December 18, 2014, Public Hearing in Sacramento, California.