In re: Board of Forestry and Fire Protection

Regulatory Action:

Title 14, California Code of Regulations

Adopt sections: 1273.01, 1273.02, 1273.05,
1273.06, 1273.07, 1273.08,
1273.10, 1273.11, 1274.01,
1274.09, 1275.00, 1275.01,
1275.10, 1275.15, 1276.00,
1276.03

Repeal sections:

NOTICE OF APPROVAL OF REGULATORY ACTION

Government Code Section 11349.3

OAL File No. 2015-0313-01 SR

In this resubmitted regulatory action, the Board is amending sections in Title 14 of the California Code of Regulations to set standards for future design and construction of structures, subdivisions and developments in State Responsibility Area (SRA) and provide for basic emergency access and perimeter wildfire protection.

OAL approves this regulatory action pursuant to section 11349.3 of the Government Code. This regulatory action becomes effective on 1/1/2016.

Date: 4/27/2015

Thanh Huynh
Senior Attorney

For: DEBRA M. CORNEZ
Director

Original: George Gentry
Copy: Thembi Borras
### A. PUBLICATION OF NOTICE

**Complete for publication in Notice Register**

1. **SUBJECT OF NOTICE**
   - Title(s)
   - First Section Affected
   - Requested Publication Date

2. **NOTICE TYPE**
   - Notice of Proposed Regulatory Action
   - Other

3. **OAL USE ONLY**
   - Action on Proposed Notice
     - Approved as Submitted
     - Approved as Modified
     - Disapproved/Withdrawn

4. **AGENCY CONTACT PERSON**
   - Telephone Number
   - Fax Number (Optional)

5. **OAL FILE NUMBERS**
   - Notice File Number
   - Regulatory Action Number
   - Emergency Number

6. **ENDORSED - FILED**
   - In the office of the Secretary of State of the State of California
   - April 27, 2015

### B. SUBMISSION OF REGULATIONS

**Complete when submitting regulations**

1a. **SUBJECT OF REGULATION(S)**
   - SRA Fire Safe Regulations Update, 2014

1b. **ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S)**
   - 2014-1009-025

2. **SPECIFY CALIFORNIA CODE OF REGULATIONS TITLES and SECTIONS**
   - (Including Title 26, If Toxic Related)

   **SECTION(S) AFFECTED**
   - Adopt
   - Amend
   - Repeal

3. **TYPE OF FILING**
   - Regular Rulemaking (Gov. Code §11346)
   - Resubmittal of disapproved or withdrawn nonemergency filing (Gov. Code §§11346.2, 11347, 11349)
   - Emergency (Gov. Code §11346.10)

4. **CHANGES WITHOUT REGULATORY EFFECT**
   - File & Print
   - Print Only

5. **CERTIFICATE OF COMPLIANCE**
   - Certificate of Compliance: The agency officer named below certifies that this agency complied with the provisions of Gov. Code §§11346.2-11347.3 either before the emergency regulation was adopted or within the time period required by statute.

6. **STATE FIRE MARSHAL**
   - Department of Finance (Form STD. 399) (SAM 56660)
   - Fair Political Practices Commission
   - State Fire Marshal

7. **CONTACT PERSON**
   - Thembli Borras
   - Telephone Number: 916-653-9633
   - Fax Number (Optional): Thembli.borras@bof.ca.gov

8. **SIGNATURE**
   - Thembli Borras, Regulations Coordinator for the Board of Forestry and Fire Protection
   - March 13, 2015

**FOR USE BY OFFICE OF ADMINISTRATIVE LAW ONLY**

**ENDORSED APPROVED**

**APR 27, 2015**

Office of Administrative Law
INSTRUCTIONS FOR PUBLICATION OF NOTICE
AND SUBMISSION OF REGULATIONS

Use the form STD. 400 for submitting notices for publication and regulations for Office of Administrative Law (OAL) review.

ALL FILINGS
Enter the name of the agency with the rulemaking authority and agency's file number, if any.

NOTICES
Complete Part A when submitting a notice to OAL for publication in the California Regulatory Notice Register. Submit two (2) copies of the STD. 400 with four (4) copies of the notice and, if a notice of proposed regulatory action, one copy each of the complete text of the regulations and the statement of reasons. Upon receipt of the notice, OAL will place a number in the box marked "Notice File Number." If the notice is approved, OAL will return the STD. 400 with a copy of the notice and will check "Approved as Submitted" or "Approved as Modified." If the notice is disapproved or withdrawn, that will also be indicated in the space marked "Action on Proposed Notice." Please submit a new form STD. 400 when resubmitting the notice.

REGULATIONS
When submitting regulations to OAL for review, fill out STD. 400, Part B. Use the form that was previously submitted with the notice of proposed regulatory action which contains the "Notice File Number" assigned, or, if a new STD. 400 is used, please include the previously assigned number in the box marked "Notice File Number." In filling out Part B, be sure to complete the certification including the date signed, the title and typed name of the signatory. The following must be submitted when filing regulations: seven (7) copies of the regulations with a copy of the STD. 400 attached to the front of each (one copy must bear an original signature on the certification) and the complete rulemaking file with index and sworn statement. (See Gov. Code §11347.3 for rulemaking file contents.)

EMERGENCY REGULATIONS
Fill out only Part B, including the signed certification, and submit seven (7) copies of the regulations with a copy of the STD. 400 attached to the front of each (one copy must bear an original signature on the certification). (See Gov. Code §11346.1 for other requirements.)

NOTICE FOLLOWING EMERGENCY ACTION
When submitting a notice of proposed regulatory action after an emergency filing, use a new STD. 400 and complete Part A and insert the OAL file number(s) for the original emergency filing(s) in the box marked "All Previous Related OAL Regulatory Action Number(s)" (box 1b. of Part B). OAL will return the STD. 400 with the notice upon approval or disapproval. If the notice is disapproved, please fill out a new form when resubmitting for publication.

CERTIFICATE OF COMPLIANCE
When filing the certificate of compliance for emergency regulations, fill out Part B, including the signed certification, on the form that was previously submitted with the notice. If a new STD. 400 is used, fill in Part B including the signed certification, and enter the previously assigned notice file number in the box marked "Notice File Number" at the top of the form. The materials indicated in these instructions for "REGULATIONS" must also be submitted.

EMERGENCY REGULATIONS - READOPTION
When submitting previously approved emergency regulations for readoption, use a new STD. 400 and fill out Part B, including the signed certification, and insert the OAL file number(s) related to the original emergency filing in the box marked "All Previous Related OAL Regulatory Action Number(s)" (box 1b. of Part B).

CHANGES WITHOUT REGULATORY EFFECT
When submitting changes without regulatory effect pursuant to California Code of Regulations, Title 1, section 100, complete Part B, including marking the appropriate box in both B.3. and B.5.

ABBREVIATIONS
Cal. Code Regs. - California Code of Regulations
SAM - State Administrative Manual

For questions regarding this form or the procedure for filing notices or submitting regulations to OAL for review, please contact the Office of Administrative Law Reference Attorney at (916) 323-6815.
Section(s) affected (List all section(s) numbers individually. Attach additional sheet if needed.): Article 2. Emergency Access, 1273.01, 1273.02, 1273.05, 1273.06, 1273.07, 1273.08, 1273.10, 1273.11, 1274.01, 1274.09, 1275.00, 1275.01, 1275.10, 1275.15, 1276.00, 1276.03
SRA FIRE SAFE REGULATIONS, 2014

14 CCR, Division 1.5, Chapter 7 Fire Protection, Subchapter 2, Articles 2-5. SRA Fire Safe Regulations

Article 2. Emergency Access and Egress

1273.01. Road Width
All roads shall be constructed to provide a minimum of two nine-foot traffic lanes providing two-way traffic flow ten (10) foot traffic lanes, not including shoulder and striping. These traffic lanes shall provide for two-way traffic flow to support emergency vehicle and civilian egress, unless other standards are provided in this article, or additional requirements are mandated by local jurisdictions or local subdivision requirements.


1273.02. Roadway Surface
The surface shall provide unobstructed access to conventional drive vehicles, including sedans and fire engines. Surfaces should be established in conformance with local ordinances, and be capable of supporting a 40,000-pound load. Roadways shall be designed and maintained to support the imposed load of fire apparatus weighing at least 75,000 pounds and provide an aggregate base. Project proponent shall provide engineering specifications to support design, if requested by the local authority having jurisdiction.

1273.05. Roadway Turnarounds

Turnarounds are required on driveways and dead-end roads. The minimum turning radius for a turnaround shall be forty (40) feet, not including parking, in accordance with the following figure.

If a hammerhead/T is used instead, the top of the “T” shall be a minimum of sixty (60) feet in length.


FIGURE FOR 14 CCR § 1273.05. TURNAROUND EXAMPLES
1273.06. Roadway Turnouts

Turnouts shall be a minimum of 40 twelve (12) feet wide and thirty (30) feet long with a minimum twenty-five (25) foot taper on each end.


1273.07. Roadway Structures

(a) All driveway, road, street, and private lane roadway structures shall be constructed to carry at least the maximum load and provide the minimum vertical clearance as required by Vehicle Code Sections 35250, 35550, and 35750 and 35250.

(b) Appropriate signing, including but not limited to weight or vertical clearance limitations, one-way road or single lane conditions, shall reflect the capability of each bridge.

(c) Where a bridge or an elevated surface is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with the American Association of State and Highway Transportation Officials Standard Specifications for Highway Bridges, 17th Edition, published 2002 (known as AASHTO HB-17), hereby incorporated by reference. Bridges and elevated surfaces shall be designed for a live load sufficient to carry the imposed loads of fire apparatus. Vehicle load limits shall be posted at both entrances to bridges when required by the local authority having jurisdiction. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces which are not designed for such use, barriers or signs, or both, as approved by the local authority having jurisdiction, shall be installed and maintained. A bridge with only one traffic lane may be authorized by the local jurisdiction; however, it shall provide for unobstructed visibility from one end to the other and turnouts at both ends.

1273.08. One-Way Roads

All one-way roads shall be constructed to provide a minimum, not including shoulders, of one twelve (12)-foot traffic lane. The local jurisdiction may approve one-way roads. All one-way roads shall connect to a two-lane roadway at both ends, and shall provide access to an area currently zoned for no more than ten (10) dwelling units. In no case shall it exceed 2,640 feet in length. A turnout shall be placed and constructed at approximately the midpoint of each one-way road.


1273.10. Driveways

(a) All driveways shall be constructed to provide a minimum of one (1) ten (10) foot traffic lane and fourteen (14) feet unobstructed horizontal clearance and unobstructed vertical clearance of fifteen (15) feet along its entire length.

(b) Driveways exceeding 150 feet in length, but less than 800 feet in length, shall provide a turnout near the midpoint of the driveway. Where the driveway exceeds 800 feet, turnouts shall be provided no more than 400 feet apart.

(c) A turnaround shall be provided to all building sites on driveways over 300 feet in length, and shall be within fifty (50) feet of the building.

1273.11. Gate Entrance

(a) Gate entrances shall be at least two (2) feet wider than the width of the traffic lane(s) serving that gate and a minimum width of fourteen (14) feet unobstructed horizontal clearance and unobstructed vertical clearance of fifteen (15) feet.

(b) All gates providing access from a road to a driveway shall be located at least thirty (30) feet from the roadway and shall open to allow a vehicle to stop without obstructing traffic on that road.

(c) Security gates shall not be installed without approval and where security gates are installed, they shall have an approved means of emergency operation. Approval shall be by the local authority having jurisdiction. The security gates and the emergency operation shall be maintained operational at all times.

(ed) Where a one-way road with a single traffic lane provides access to a gated entrance, a forty (40) foot turning radius shall be used.


1274.01. Size of Letters, Numbers and Symbols for Street and Roads Signs

Size of letters, numbers, and symbols for street and road signs shall be a minimum 3/4 inch letter height, 3/8 inch stroke, reflectorized, contrasting with the background color of the sign.


1274.09. Size of Letters, Numbers and Symbols for Addresses

Size of letters, numbers and symbols for addresses shall be a minimum 3/4 inch letter height, 3/8 inch stroke, reflectorized, contrasting with the background color of the sign.
Address identification shall be plainly legible and visible from the street or road fronting the property. Addresses shall be Arabic numbers or alphabetical letters. Where access is by means of a private road and the address identification cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the address.


1275.00. Intent

Emergency water for wildfire protection shall be available, and accessible, and maintained in quantities and locations specified in the statute and these regulations, in order to attack a wildfire or defend property from a wildfire. Such emergency water may be provided in a fire agency mobile water tender, or naturally occurring or man made containment structure, as long as the specified quantity is immediately available.

1275.01. Application

The provisions of this article shall apply in the tentative and parcel map process when new parcels are approved by a-the local jurisdiction having authority. The emergency water system shall be available on-site prior to the completion of road construction, where a community water system is approved, or prior to the completion of building construction, where an individual system is approved. When a water supply for structure defense is required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction except when alternative methods of protection are provided and approved by the local authority having jurisdiction.

1275.10. General Standards

Water systems that comply with the below standard or standards meet or exceed the
standards specified in Public Utilities Commission of California (PUC) revised General Order
#103, Adopted June 12, 1966 (Corrected September 7, 1983, Decision 83-09-001), Section VIII
Fire Protection Standards and other applicable sections relating to fire protection water delivery
systems, static water systems equaling or exceeding the National Fire Protection Association
(NFPA)-intent of these regulations. Water systems equaling or exceeding the National Fire
Protection Association (NFPA) Standard 1231, "Standard on Water Supplies for Suburban and
Rural Fire Fighting," 1989 Edition, or mobile water systems that meet the Insurance Services
Office (ISO) Rural Class 8, 2nd Edition 3-80, 1142, "Standard on Water Supplies for Suburban
Code 2010, California Code of Regulations, Title 24, Part 9, standard-shall be accepted as
meeting the requirements of this article. These documents are available at CDF Ranger Unit
Headquarters. Such emergency water may be provided in a fire agency mobile water tender, or
naturally occurring or man made containment structure, as long as the specified quantity is
immediately available. Nothing in this article prohibits the combined storage of emergency
wildfire and structural firefighting water supplies unless so prohibited by local ordinance or
specified by the local fire agency. Where freeze protection is required by local jurisdictions
having authority, such protection measures shall be provided.

Note: Authority cited: Section 4290, Public Resources Code. Reference: Sections
4290 and 4291, Public Resources Code.
1275.15. Hydrant/Fire Valve

(a) The hydrant or fire valve shall be eighteen \(18\) inches above grade, eight \(8\) feet from flammable vegetation, no closer than four \(4\) feet nor farther than twelve \(12\) feet from a roadway, and in a location where fire apparatus using it will not block the roadway.

The hydrant serving any building shall:

(1) be not less than fifty \(50\) feet nor more than \(1/2\) mile by road from the building it is to serve, and

(2) be located at a turnout or turnaround, along the driveway to that building or along the road that intersects with that driveway.

(b) The hydrant head shall be brass with 2 1/2 inch National Hose male thread with cap for pressure and gravity flow systems and 4 1/2 inch draft systems. Such hydrants shall be wet or dry barrel as required by the delivery system. They shall have suitable crash protection as required by the local jurisdiction.


1276.00 Intent

To reduce the intensity of a wildfire by reducing the volume and density of flammable vegetation, the strategic siting of fuel modification and greenbelt shall provide

(1) increased safety for emergency fire equipment and evacuating civilians by its utilization around structures and roads, including driveways; and

(2) a point of attack or defense from a wildfire.

1276.03 Greenbelts

Subdivision and other developments, which propose greenbelts as a part of the development plan, shall locate said greenbelts strategically, as a separation between wildland fuels and structures. The locations shall be approved by the local authority having jurisdiction, and may be consistent with the CAL FIRE Unit Fire Management Plan or Contract County Fire Plan.


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4/27/15 (TH) per agency request