



**Air Pollution Control Board**  
Greg Cox            District 1  
Dianne Jacob       District 2  
Pam Slater          District 3  
Ron Roberts         District 4  
Bill Horn            District 5

**Air Pollution Control Officer**  
R. J. Sommerville

## NOTICE OF WORKSHOP

### FOR DISCUSSION OF PROPOSED AMENDMENTS TO RULE 50 - VISIBLE EMISSIONS

The San Diego County Air Pollution Control District will hold a public workshop to consider proposed amendments to Rule 50 - Visible Emissions. Comments concerning this proposal may be submitted in writing before, or made at, the workshop which is scheduled as follows:

**DATE:**            September 19, 1995  
**TIME:**            8:30 a.m. to 9:15 a.m.  
**PLACE:**          General Services, Bldg. 2  
                         County Operations Center  
                         5555 Overland Ave.  
                         2nd Floor, Room 240  
                         San Diego, CA

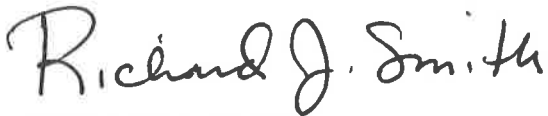
The proposed changes will revise Rule 50 to exempt from the 20% opacity limitation the operation, maintenance or testing of fire fighting training units used exclusively for the purpose of shipboard fire fighting training. Instead, these activities will be subject to a 40% opacity standard. The public nuisance provisions of Rule 51 will still be applicable. This exemption is being proposed because fire fighting training facilities constructed with Best Available Control Technology are unable to meet the 20% opacity standard of Rule 50. Testing for toxic and criteria pollutants was performed and a risk assessment conducted. The results show that fire fighting training facilities have little emissions impact on air quality and the nearby public. The District believes the proposed exemption is necessary if fire fighting training facilities are to be used in San Diego County to effectively train personnel in fighting shipboard fires.

A change is also proposed to exempt equipment used for the purpose of flash-over fire fighting training from the standards of Rule 50. The public nuisance provisions of Rule 51 will still be applicable. A flash-over fire is a phenomena more commonly known as a "back draft" fire, a circumstance that puts firefighters in serious peril without proper training. Such operations are not capable of complying with the standards of Rule 50 without the use of some type of control equipment. The District is unaware of any such training operations for which control equipment has been used to control visible emissions. If such equipment were available, it would be extremely cost ineffective because of the very infrequent intervals of time this training is conducted. These operations are currently conducted under a variance from Rule 50 issued by the Air Pollution Control District Hearing Board.

Also, the District is proposing to update Rule 50 consistent with current state Health and Safety Code requirements for diesel pile drivers. Diesel pile drivers would be allowed visible emissions of Ringelmann Number 1 or less for a period aggregating no more than 4 minutes during the driving of a single pile. Diesel pile drivers using kerosene fuel, smoke suppressing fuel additives and synthetic lubricating oil would be allowed emissions of Ringelmann Number 2 or less for a period aggregating no more than 4 minutes during the driving of a single pile.

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If you would like a copy of the proposed changes to Rule 50, please call Juanita Ogata at (619) 694-8851. If you have any questions concerning the proposal, please call me at (619) 694-3303.

A handwritten signature in black ink that reads "Richard J. Smith". The signature is written in a cursive style with a large initial "R".

RICHARD J. SMITH  
Deputy Director

RJSm:jl  
08/04/95

SANTA BARBARA COUNTY

## PROPOSED AMENDMENTS TO RULE 50

Proposed amendments to Rule 50, Sections (b) and (d) are to read as follows:

### **RULE 50. VISIBLE EMISSIONS**

#### **(a) APPLICABILITY**

Except as otherwise provided in Section (b), this rule applies to the discharge of any air contaminant other than uncombined water vapor.

#### **(b) EXEMPTIONS**

The provisions of this rule shall not apply to:

(1) Smoke from the use of an orchard or citrus grove heater which does not produce unconsumed solid carbonaceous matter at a rate in excess of one gram per minute;

(2) Emissions from the use of equipment in agricultural operations;

(3) Smoke from open fires set pursuant to a permit and its conditions;

(4) Abrasive blasting operations subject to the provisions of Rule 71 of Regulation IV of these Rules and Regulations; and

(5) The use of visible emissions generating equipment in training sessions conducted by governmental agencies for the purpose of certifying persons to evaluate visible emissions from compliance with applicable provisions of the State of California Health and Safety Code and District Rules and Regulations.

(6) The operation, maintenance or testing of fire fighting training units used exclusively for the purpose of shipboard fire fighting training, provided however that such operations do not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes which is darker in shade than that designated as Number 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 2 on the Ringelmann Chart.

(7) Equipment used exclusively for the purpose of flash-over fire fighting training.

#### **(c) DEFINITIONS**

(1) "**Observer**" means a certified human observer or a certified, calibrated opacity monitoring system.

(2) "Single Source" means any or all units of equipment at a given location, including associated outlets to the atmosphere, which may be operated simultaneously.

(3) "Asphalt Plant Drop Zone" means the area immediately below a device in an asphalt manufacturing facility that loads or drops asphalt onto the cargo beds of trucks and trailers.

(d) **STANDARDS**

(1) Except as otherwise provided in Section (b) above and Subsection (d)(2) below, a person shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes which is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart.

(2) A person shall not discharge into the atmosphere from any ~~diesel pile driving hammer or from any~~ asphalt plant drop zone any contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes which is as dark or darker in shade than that designated as Number 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 2 on the Ringelmann Chart.

(3) A person shall not discharge into the atmosphere from any diesel pile driving hammer any contaminant for a period or periods aggregating more than four minutes during the driving of a single pile which is as dark or darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringlemann Chart.

(4) A person shall not discharge into the atmosphere from any diesel pile driving hammer which uses kerosene fuel, smoke suppressing fuel additives, and synthetic lubricating oil any contaminant for a period or periods aggregating more than four minutes during the driving of a single pile which is as dark or darker in shade than that designated as Number 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 2 on the Ringlemann Chart.

~~In accordance with Section 41701.5 of the State Health and Safety Code, diesel pile driving hammers shall comply with Subsection (d)(1) above after December 31, 1986.~~



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## NOTICE OF WORKSHOP

### FOR DISCUSSION OF RULE 50 - VISIBLE EMISSIONS

The San Diego County Air Pollution Control District will hold a public meeting to consider possible amendments to Air Pollution Control District Rule 50 (Visible Emissions). Comments concerning possible amendments may be submitted in writing or made at the workshop which is scheduled as follows:

**DATE:** April 16, 1996 - Tuesday  
**TIME:** 1:00 p.m. to 4:00 p.m.  
**PLACE:** 9150 Chesapeake Drive, Room 139  
San Diego, CA 92123

This is the second workshop for Rule 50. The first workshop was held in September 1995. Proposed changes reviewed at the September workshop include an exemption from the 20 percent opacity limitation for operation, maintenance and testing of fire fighting training used exclusively for the purpose of shipboard fire fighting training. Other proposed revisions include an exemption for flash-over fire fighting training operations, on the basis that these operations are essential for public safety and cannot comply with Rule 50. A third proposal would make Rule 50 consistent with current state Health and Safety Code requirements for diesel pile drivers. Since then, it has been proposed to exempt the use of obscurants used during military training exercises, also on the basis that these operations are essential for public safety and cannot comply with Rule 50. A copy of the current proposed revisions to Rule 50 is attached.

During the first workshop, comments were made by a representative of the San Diego County Rock Producers Association indicating certain types of mobile equipment may not be able to routinely comply with Rule 50 standards. No specific equipment processes were discussed. Subsequently, representatives of the Rock Producers Association have compiled a list of 52 different types of mobile equipment they assert has the potential to exceed the 20 percent opacity visible emission standard of Rule 50 and for which they request the standard be relaxed to 40 percent.

The Sunset Review Commission Air Regulations Review Committee has also recommended revision of Rule 50. The Air Regulations Review Committee is a subcommittee of the Sunset Review Commission, created by the County of San Diego's Economic Advisory Board in response to concerns of the County Board of Supervisors that certain County regulations are excessive and adversely affect job creation. The Sunset Review Commission has engaged in reviewing all County regulations and recommending those appropriate for elimination or revision.

In October 1995, the Sunset Review Commission Air Regulations Review Committee recommended amending Rule 50 to incorporate exemptions in the Health and Safety Code and to

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revise the Rule 50 definition of single source so that Rule 50 would apply to individual operations, not an entire facility.

The Air Regulations Review Committee also recommended revision of Rule 50 to relax the current 20 percent opacity standard to 40 percent for certain mobile equipment associated with the mineral products industry. A 40 percent opacity standard is the maximum allowed by state law. The committee identified five categories in which mobile equipment should be considered for relaxation to the 40 percent opacity standard: (1) asphalt "hot mix" or concrete spreading equipment, (2) road paving chip spreading equipment, (3) street sweeping equipment, (4) stockpile transfer and loading operations, and (5) mineral products, excavation and related grading operations.

The purpose of this workshop is to discuss relaxing the 20 percent opacity standard of Rule 50 to 40 percent for certain mobile equipment, incorporating the statutory exemptions, definition of "single source," and exempting the use of obscurants used during military training. The District requests information justifying or opposing any changes proposed by industry or others. The District specifically requests data and analyses which substantiate the inability to comply with Rule 50 for equipment in the five categories of mobile equipment for which the rule is proposed to be relaxed. Based on comments received, the District may propose amendments to Rule 50 for consideration by the Air Pollution Control Board. If you have any questions regarding this notice, please contact Teresa Morris at (619) 694-3342 or me at (619) 694-3303.

  
for MORRIS DYE  
Deputy Director

MD:TM:nt

Enclosure

## PROPOSED AMENDMENTS TO RULE 50

Proposed amendments to Rule 50, Sections (b) and (d) are to read as follows:

### **RULE 50. VISIBLE EMISSIONS**

#### **(a) APPLICABILITY**

Except as otherwise provided in Section (b), this rule applies to the discharge of any air contaminant other than uncombined water vapor.

#### **(b) EXEMPTIONS**

The provisions of this rule shall not apply to:

(1) Smoke from the use of an orchard or citrus grove heater which does not produce unconsumed solid carbonaceous matter at a rate in excess of one gram per minute;

(2) Emissions from the use of equipment in agricultural operations;

(3) Smoke from open fires set pursuant to a permit and its conditions;

(4) Abrasive blasting operations subject to the provisions of Rule 71 of Regulation IV of these Rules and Regulations; and

(5) The use of visible emissions generating equipment in training sessions conducted by governmental agencies for the purpose of certifying persons to evaluate visible emissions from compliance with applicable provisions of the State of California Health and Safety Code and District Rules and Regulations.

(6) The operation, maintenance or testing of fire fighting training units used exclusively for the purpose of shipboard fire fighting training, provided however that such operations do not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes which is darker in shade than that designated as Number 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 2 on the Ringelmann Chart.

(7) Equipment used exclusively for the purpose of flash-over fire fighting training.

#### **(c) DEFINITIONS**

(1) "Observer" means a certified human observer or a certified, calibrated opacity monitoring system.

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(3) "Asphalt Plant Drop Zone" means the area immediately below a device in an asphalt manufacturing facility that loads or drops asphalt onto the cargo beds of trucks and trailers.

(d) STANDARDS

(1) Except as otherwise provided in Section (b) above and Subsection (d)(2) below, a person shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes which is darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart.

(2) A person shall not discharge into the atmosphere from any diesel pile driving hammer or from any asphalt plant drop zone any contaminant for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes which is as dark or darker in shade than that designated as Number 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 2 on the Ringelmann Chart.

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~~In accordance with Section 41701.5 of the State Health and Safety Code, diesel pile driving hammers shall comply with Subsection (d)(1) above after December 31, 1986.~~