

**Air Pollution Control Board**

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|--------------|------------|
| Greg Cox     | District 1 |
| Dianne Jacob | District 2 |
| Pam Slater   | District 3 |
| Ron Roberts  | District 4 |
| Bill Horn    | District 5 |

**Air Pollution Control District**

|                   |          |
|-------------------|----------|
| R. J. Sommerville | Director |
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## NOTICE OF WORKSHOP

**TO DISCUSS PROPOSED REGULATION X AMENDMENTS  
REPEAL AND ADOPTION BY REFERENCE OF THE FOLLOWING  
NEW SOURCE PERFORMANCE STANDARDS (NSPS):**

- SUBPART D - STANDARDS OF PERFORMANCE FOR FOSSIL-FUEL-FIRED  
STEAM GENERATORS FOR WHICH CONSTRUCTION IS  
COMMENCED AFTER AUGUST 17, 1971;**
- SUBPART Da - STANDARDS OF PERFORMANCE FOR ELECTRIC UTILITY  
STEAM GENERATING UNITS FOR WHICH CONSTRUCTION IS  
COMMENCED AFTER SEPTEMBER 18, 1978; AND**
- SUBPART GG - STANDARDS OF PERFORMANCE FOR STATIONARY  
GAS TURBINES**

The San Diego County Air Pollution Control District (District) will hold a public meeting to consider comments concerning the proposed repeal and adoption by reference of the existing NSPS Subparts listed above.

Comments concerning this proposal may be submitted in writing before, or made at, the workshop which is scheduled as follows:

**DATE:** Wednesday, August 15, 2001  
**TIME:** 1:00 p.m.  
**PLACE:** Conference Room 139  
Air Pollution Control District  
9150 Chesapeake Drive  
San Diego, CA 92123

New Source Performance Standards (NSPS) are promulgated under 40 CFR Part 60 as Subparts by the Environmental Protection Agency (EPA) and apply throughout the country. The Subparts are then adopted by the District to allow local implementation. Once adopted, the District requests, and routinely receives, delegation from EPA to implement and enforce these federal requirements.

Subpart D - Standards of Performance for Fossil-Fuel-Fired Steam Generators was first promulgated by the EPA on June 14, 1974 (original federal Subpart D), and subsequently adopted with minor modifications by the District into Regulation X - Standards of Performance

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**OVER**

for New Stationary Sources (Regulation X Subpart D). The District petitioned EPA for delegation and received authority to implement and enforce Regulation X Subpart D on November 8, 1976.

Subpart Da - Standards of Performance for Electric Utility Steam Generating Units was first promulgated by the EPA on June 11, 1979 (original federal Subpart Da), and subsequently adopted with minor modifications by the District into Regulation X - Standards of Performance for New Stationary Sources (Regulation X Subpart Da). The District petitioned EPA for delegation and received authority to implement and enforce Regulation X Subpart Da on May 24, 1982.

Subpart GG - Standards of Performance for Stationary Gas Turbines was first promulgated by the EPA on September 10, 1979 (original federal Subpart GG), and subsequently adopted with minor modifications by the District into Regulation X - Standards of Performance for New Stationary Sources (Regulation X Subpart GG). The District petitioned EPA for delegation and received authority to implement and enforce Regulation X Subpart GG on May 24, 1982.

EPA has amended each of these federal Subparts several times since their original promulgation, causing the Regulation X version of the Subparts to become outdated. To correct this problem, the District proposes to repeal the existing Regulation X version of each Subpart and, instead, adopt the federal NSPS versions of Subparts D, Da, and GG, including all amendments, by reference (current federal Subparts).

Regulation X will be amended to include the Federal Register citation of the original federal Subparts and their subsequent amendments. Amended Regulation X will be submitted to the San Diego County Air Pollution Control Board for adoption at a public hearing. Following adoption, the District will request EPA delegation to implement and enforce the most recent federal version of each Subpart.

The Regulation X and current federal Subpart version of each subpart are compared below.

## **SUBPART D**

### **Applicability**

The Regulation X and federal Subpart versions of Subpart D apply to fossil-fuel-fired steam generating units rated at more than 73 megawatts heat input rate (250 million Btu per hour), which commenced construction or modification after August 17, 1971. While current federal Subpart D contains additional language for clarity, the new language does not change the applicability provisions.

### **Standards**

The Regulation X and federal Subpart versions of Subpart D specify emission standards for sulfur dioxide, particulate matter and nitrogen oxides. There are no changes to the emission standards for sulfur dioxide or particulate matter. For units fired exclusively on gaseous fossil fuels and wood residue, the nitrogen oxide emission rate is relaxed in the federal Subpart from 0.20 lb million Btu to 0.30 lb per million Btu heat input.

## **SUBPART Da**

### **Applicability**

The Regulation X and federal Subpart versions of Subpart Da apply to each electric utility steam generating unit capable of combusting more than 73 megawatts (250 million Btu/hour) heat input of fossil fuel and for which construction or modification commenced after September 18, 1978. While current federal Subpart Da contains additional language for clarity, the new language does not change the applicability provisions.

### **Standards**

The Regulation X and federal Subpart versions of Subpart Da specify emission standards for sulfur dioxide, particulate matter, and nitrogen oxides. There are no changes to the emission standards for sulfur dioxide or particulate matter. For nitrogen oxides there is only a minor revision to the prorated emission standard equation which applies when multiple fuels are combusted simultaneously. No significant impacts are expected from this change.

The federal Subpart version contains additional requirements for affected facilities which commenced construction after July 9, 1997. NO<sub>x</sub> emissions are limited to less than 200 nanograms per joule (1.6 pounds per megawatt-hour) gross energy output, based on a 30-day rolling average. The federal Subpart version also contains specific new calculation procedures for determining compliance at affected facilities with duct burners.

For existing sources, NO<sub>x</sub> emissions are limited to less than 65 nanograms per joule (0.15 pounds per million Btu) heat input, based on a 30-day rolling average for any affected facility for which modification or reconstruction commenced after July 9, 1997. The federal Subpart version also contains specific new calculation procedures for determining compliance at affected facilities with duct burners.

## **SUBPART GG**

### **Applicability**

The Regulation X and federal Subpart versions of Subpart GG apply to stationary gas turbines with a heat input at peak load equal to or greater than 10.7 gigajoules per hour, based on the lower heating value and which commenced construction, modification, or reconstruction after October 3, 1977. While current federal Subpart GG contains additional language for clarity, the new language does not change the applicability provisions.

### **Standards**

The Regulation X and federal Subpart versions of Subpart GG specify emission standards for sulfur dioxide, particulate matter and nitrogen oxides. Current federal Subpart GG contains additional language for clarity, but does not specify any new standards.

## **SUBPART D, Da, GG**

### **Monitoring, Reporting and Recordkeeping Requirements**

There are no significant differences in the monitoring, reporting and recordkeeping requirements for the current Regulation X Subparts and the current federal Subparts to be adopted by reference. Regulation X already references the most current federal versions of the Monitoring, Reporting and Recordkeeping requirements for each Subpart.

If you would like a copy of the current federal versions of Subpart D, Da, or GG, please visit the District's Web Site at [www.sdapcd.co.san-diego.ca.us](http://www.sdapcd.co.san-diego.ca.us), under Rules and Regulations, Workshops and Meetings, or contact Luann Serbesku at (858) 650-4544. If you have any questions concerning this proposal, please contact Angela Durr at (858) 650-4541, or Laura Yannayon at (858) 650-4540.



RICHARD J. SMITH  
Assistant Director

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07/03/01

## SAN DIEGO AIR POLLUTION CONTROL DISTRICT

### Proposed amendments to Regulation X Preamble are to read as follows:

Subparts D, Da, and GG are added by reference.

### REGULATION X. STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS) (Rev. Effective 4/25/01)

The provisions of Part 60, Chapter I, Title 40, of the Code of Federal Regulations, (40 CFR 60), applicable to the subparts listed in this Regulation are hereby adopted by reference on the date shown and made part of the District Rules and Regulations. Whenever any source is subject to more than one rule, regulation, provision, or requirement relating to the control of any air contaminant, in cases of conflict or duplication the most stringent rule, regulation, provision, or requirement shall apply.

All new sources of air pollution and all modified or reconstructed sources of air pollution shall comply with the applicable standards, criteria, and requirements set forth herein. For the purpose of this Regulation, the word "Administrator" as used in 40 CFR 60 shall mean the Air Pollution Control Officer of the San Diego County Air Pollution Control District, except that the Air Pollution Control Officer shall not be empowered to approve alternate test methods, alternate standards or work practices. Other deviations, if any, from the provisions of 40 CFR 60 which are adopted by the Air Pollution Control Board are noted in the reference to the affected Subpart.

The U.S. Environmental Protection Agency (EPA) retains concurrent enforcement authority for these standards pursuant to Section 113 of the federal Clean Air Act, as amended, if the EPA Administrator desires to exercise it.

The addition of federal Subparts by reference to Regulation X shall take effect and be in force on the date of delegation of enforcement authority to the Air Pollution Control District by the U.S. EPA.

#### SUBPART D 40CFR60.40-46

#### STANDARDS OF PERFORMANCE FOR FOSSIL-FUEL-FIRED STEAM GENERATORS FOR WHICH CONSTRUCTION IS COMMENCED AFTER AUGUST 17, 1971

| <u>FR Citation</u>         | <u>Adoption Date</u>    | <u>Delegation Date</u> |
|----------------------------|-------------------------|------------------------|
| 39 FR 20791, June 14, 1974 | <i>Date of Adoption</i> | Pending                |
| 40 FR 2803, Jan. 16, 1975  | <i>Date of Adoption</i> | Pending                |
| 40 FR 46256, Oct. 6, 1975  | <i>Date of Adoption</i> | Pending                |
| 41 FR 51398, Nov. 22, 1976 | <i>Date of Adoption</i> | Pending                |
| 42 FR 37936, July 25, 1977 | <i>Date of Adoption</i> | Pending                |
| 42 FR 61537, Dec. 5, 1977  | <i>Date of Adoption</i> | Pending                |
| 43 FR 9278, Mar. 7, 1978   | <i>Date of Adoption</i> | Pending                |
| 44 FR 33612, June 17, 1979 | <i>Date of Adoption</i> | Pending                |
| 44 FR 76787, Dec. 28, 1979 | <i>Date of Adoption</i> | Pending                |
| 45 FR 36077, May 29, 1980  | <i>Date of Adoption</i> | Pending                |
| 45 FR 47146, July 14, 1980 | <i>Date of Adoption</i> | Pending                |

|                             |                         |         |
|-----------------------------|-------------------------|---------|
| 46 FR 57498, Nov. 24, 1981  | <i>Date of Adoption</i> | Pending |
| 48 FR 3736, Jan. 27, 1983   | <i>Date of Adoption</i> | Pending |
| 51 FR 42797, Nov. 25, 1986  | <i>Date of Adoption</i> | Pending |
| 52 FR 28954, Aug. 4, 1987   | <i>Date of Adoption</i> | Pending |
| 54 FR 6662, Feb. 14, 1989   | <i>Date of Adoption</i> | Pending |
| 54 FR 21344, May 17, 1989   | <i>Date of Adoption</i> | Pending |
| 55 FR 5212, Feb. 14, 1990   | <i>Date of Adoption</i> | Pending |
| 61 FR 49976, Sept. 24, 1996 | <i>Date of Adoption</i> | Pending |

SUBPART Da  
40CFR60.40a-49a

STANDARDS OF PERFORMANCE FOR ELECTRIC UTILITY STEAM  
GENERATING UNITS FOR WHICH CONSTRUCTION IS  
COMMENCED AFTER SEPTEMBER 18, 1978

| <u>FR Citation</u>          | <u>Adoption Date</u>    | <u>Delegation Date</u> |
|-----------------------------|-------------------------|------------------------|
| 44 FR 33613, June 11, 1979  | <i>Date of Adoption</i> | Pending                |
| 48 FR 3737, Jan. 27, 1983   | <i>Date of Adoption</i> | Pending                |
| 54 FR 6663, Feb. 14, 1989   | <i>Date of Adoption</i> | Pending                |
| 54 FR 21344, May 17, 1989   | <i>Date of Adoption</i> | Pending                |
| 55 FR 5212, Feb. 14, 1990   | <i>Date of Adoption</i> | Pending                |
| 55 FR 18876, May 7, 1990    | <i>Date of Adoption</i> | Pending                |
| 63 FR 49453, Sept. 16, 1998 | <i>Date of Adoption</i> | Pending                |
| 64 FR 7464, Feb. 12, 1999   | <i>Date of Adoption</i> | Pending                |
| 65 FR 61752, Oct. 17, 2000  | <i>Date of Adoption</i> | Pending                |
| 66 FR 18551, April 10, 2001 | <i>Date of Adoption</i> | Pending                |
| 66 FR 31178, June 11, 2001  | <i>Date of Adoption</i> | Pending                |

SUBPART Db  
40CFR60.40b-49b

STANDARDS OF PERFORMANCE FOR INDUSTRIAL-  
COMMERCIAL-INSTITUTIONAL STEAM GENERATING UNITS

| <u>FR Citation</u>          | <u>Adoption Date</u> | <u>Delegation Date</u> |
|-----------------------------|----------------------|------------------------|
| 51 FR 42768, Nov. 25, 1986  | April 25, 2001       | Pending                |
| 52 FR 47842, Dec. 16, 1987  | April 25, 2001       | Pending                |
| 54 FR 51824, Dec. 18, 1989  | April 25, 2001       | Pending                |
| 54 FR 51819, Dec. 18, 1989  | April 25, 2001       | Pending                |
| 55 FR 5212, Feb. 14, 1990   | April 25, 2001       | Pending                |
| 55 FR 18876, May. 7, 1990   | April 25, 2001       | Pending                |
| 60 FR 28062, May. 30, 1995  | April 25, 2001       | Pending                |
| 61 FR 14031, Mar. 29, 1996  | April 25, 2001       | Pending                |
| 62 FR 52641, Oct. 8, 1997   | April 25, 2001       | Pending                |
| 63 FR 49454, Sept. 16, 1998 | April 25, 2001       | Pending                |
| 64 FR 7464, Feb. 12, 1999   | April 25, 2001       | Pending                |
| 65 FR 13243, Mar. 13, 2000  | April 25, 2001       | Pending                |

SUBPART Dc  
40CFR60.40c-48c

STANDARDS OF PERFORMANCE FOR SMALL INDUSTRIAL-  
COMMERCIAL-INSTITUTIONAL STEAM GENERATING UNITS

| <u>FR Citation</u>          | <u>Adoption Date</u> | <u>Delegation Date</u> |
|-----------------------------|----------------------|------------------------|
| 55 FR 37683, Sept. 12, 1990 | Aug. 13, 1997        | June 24, 1998          |
| 61 FR 20736, May 8, 1996    | Aug. 13, 1997        | June 24, 1998          |

SUBPART GG  
40CFR60.330-335

STANDARDS OF PERFORMANCE FOR STATIONARY GAS TURBINES

| <u>FR Citation</u>          | <u>Adoption Date</u>    | <u>Delegation Date</u> |
|-----------------------------|-------------------------|------------------------|
| 44 FR 52798, Sept. 10, 1979 | <i>Date of Adoption</i> | Pending                |
| 47 FR 3770, Jan. 27, 1982   | <i>Date of Adoption</i> | Pending                |
| 52 FR 42434, Nov. 5, 1987   | <i>Date of Adoption</i> | Pending                |
| 54 FR 6675 Feb. 14, 1989    | <i>Date of Adoption</i> | Pending                |
| 54 FR 27016, June 27, 1989  | <i>Date of Adoption</i> | Pending                |

SUBPART AAA  
40CFR60.530-539b

STANDARDS OF PERFORMANCE FOR NEW RESIDENTIAL  
WOOD HEATERS

| <u>FR Citation</u>          | <u>Adoption Date</u> | <u>Delegation Date</u> |
|-----------------------------|----------------------|------------------------|
| 53 FR 5873, Feb. 26, 1988   | April 12, 2000       | Pending                |
| 53 FR 12009, April 12, 1988 | April 12, 2000       | Pending                |
| 53 FR 14889, April 26, 1988 | April 12, 2000       | Pending                |
| 57 FR 5328, Feb. 13, 1992   | April 12, 2000       | Pending                |
| 60 FR 33925, June 29, 1995  | April 12, 2000       | Pending                |
| 63 FR 64874, Nov. 24, 1998  | April 12, 2000       | Pending                |
| 64 FR 7466, Feb. 12, 1999   | April 12, 2000       | Pending                |

SUBPART OOO  
40CFR60.670-676

STANDARDS OF PERFORMANCE FOR NONMETALLIC MINERAL  
PROCESSING PLANTS

| <u>FR Citation</u>        | <u>Adoption Date</u> | <u>Delegation Date</u> |
|---------------------------|----------------------|------------------------|
| 50 FR 31328, Aug. 1, 1985 | April 28, 1999       | Pending                |
| 62 FR 31351, June 9, 1997 | April 28, 1999       | Pending                |

SUBPART UUU  
40CFR60.730-737

STANDARDS OF PERFORMANCE FOR CALCINERS AND DRYERS  
IN MINERAL INDUSTRIES

| <u>FR Citation</u>          | <u>Adoption Date</u> | <u>Delegation Date</u> |
|-----------------------------|----------------------|------------------------|
| 57 FR 44503, Sept. 28, 1992 | Nov. 17, 1999        | Pending                |
| 58 FR 40591, July 29, 1993  | Nov. 17, 1999        | Pending                |

SUBPART WWW  
40CFR60.750-759

STANDARDS OF PERFORMANCE FOR MUNICIPAL SOLID  
WASTE LANDFILLS

| <u>FR Citation</u>        | <u>Adoption Date</u> | <u>Delegation Date</u> |
|---------------------------|----------------------|------------------------|
| 61 FR 9919, Mar. 12, 1996 | Aug. 13, 1997        | June 24, 1998          |