

BOARD MEETING DATE: October 7, 2016

AGENDA NO. 36

**PROPOSAL:** Amend Regulation IX – Standards of Performance for New Stationary Sources

**SYNOPSIS:** Amendments to Regulations IX and X are periodically made to incorporate by reference new or amended federal performance standards that have been enacted by U.S. EPA for stationary sources. These standards are currently in effect and enforceable by SCAQMD pursuant to the federal Clean Air Act, regardless of whether SCAQMD incorporates them by reference. The Board has historically adopted NSPS (40 CFR 60) and NESHAPS (40 CFR 61), by reference, into Regulations IX and X, providing stationary sources with a single point of reference for determining which federal and local requirements apply to their specific operations. NSPS actions by U.S. EPA from January 1, 2015 to June 15, 2016 are proposed for incorporation into Regulation IX. Actions by U.S. EPA include promulgation of new performance standards for: (1) additional oil and natural gas source categories, (2) new residential hydronic heaters and forced-air furnaces; and (3) electric utility steam generating units and stationary combustion turbines. The actions also include amendments to existing provisions of five NSPS. Regulation X is not amended as there were no delegable NESHAP actions adopted by the U.S. EPA for the same time period.

**COMMITTEE:** Stationary Source, July 22, 2016, Reviewed

**RECOMMENDED ACTIONS:**

Adopt the attached resolution:

- 1) Determining that the proposed amendments to Regulation IX are exempt from the requirements of the California Environmental Quality Act; and,
- 2) Amending Regulation IX – Standards of Performance for New Stationary Sources.

Wayne Natri  
Acting Executive Officer

## **Background**

U.S. EPA periodically promulgates new or amends existing NSPS and NESHAP federal standards and requirements. NSPS govern the operations of all new, modified, or reconstructed sources of air pollution identified in the Code of Federal Regulations (CFR), Title 40, Chapter I, Subchapter C, Part 60 (40 CFR Part 60). NESHAP govern the operations of new and existing sources specifically identified in the CFR, Title 40, Chapter I, Subchapter C, Part 61 (40 CFR Part 61).

Direct implementation of NSPS and NESHAP requirements at the local level are authorized by U.S. EPA pursuant to §301 in conjunction with §§ 110, 111(c)(1), and 112(d)(1) of the federal Clean Air Act (CAA). As such, SCAQMD's Board initially adopted by reference, various NSPS into Regulation IX and various NESHAP into Regulation X on December 3, 1976. The adoption of NSPS and NESHAP by reference into Regulations IX and X, respectively, provides stationary sources with a single source of information for determining appropriate federal and local requirements for their specific operations. Since sources of air pollution are required to comply with the most stringent federal, state, and local standards, criteria, and requirements set forth in Regulations IX and X as well as other applicable SCAQMD rules, the NSPS and NESHAP standards are in effect and enforceable by the SCAQMD regardless of whether the SCAQMD incorporates them into Regulations IX and X. The Board has periodically amended Regulations IX and X to incorporate new or amended standards as necessary. Regulations IX and X were last amended on April 3, 2015.

In 1997, the U.S. EPA delegated and/or re-delegated its authority to SCAQMD for specific sections of 40 CFR Parts 60 and 61, as listed in the April 23, 1997 Federal Register (FR), Volume 62, No. 78, 19679 – 19682. In 2006, 2007, 2009, 2010, 2011, and 2012, the SCAQMD requested U.S. EPA delegation and/or re-delegation of authority for specific sections of 40 CFR Part 60 and/or Part 61 following amendments to Regulations IX and X. The SCAQMD will seek U.S. EPA delegation and re-delegation of such authority for specific sections of 40 CFR Part 60 and/or 40 CFR Part 61 that were not previously requested.

In addition, the U.S. EPA has established maximum achievable control technology (MACT) standards for new and existing major sources of hazardous air pollutants. The MACT standards are published in CFR, Title 40, Chapter 1, Subchapter C, Part 63 - National Emission Standards for Hazardous Air Pollutants For Source Categories (40 CFR Part 63). The U.S. EPA delegated the authority for the implementation and enforcement of 40 CFR Part 63 to the SCAQMD on February 27, 1997. However, the SCAQMD has not established a separate regulation to incorporate the MACT standards by reference. Instead, the MACT standards are directly implemented through the SCAQMD's Title V program as adopted and implemented via SCAQMD Regulation XXX – Title V Permits, in accordance with U.S. EPA's federal Title V program

requirements in CFR, Title 40, Chapter 1, Subchapter C, Part 70 – State Operating Permit Programs Categories (40 CFR Part 70).

### **Regulation IX Proposal**

The updates included in this proposal reflect federal actions, primarily between January 1, 2015 and June 15, 2016. One new NSPS for GHG (methane emission limitations) and VOC emissions was promulgated in 2016 by U.S. EPA for various oil and natural gas sources, which include: 1) GHG and VOC requirements for current unregulated equipment/processes; 2) current regulated sources for VOC, but not for GHGs; and, 3) GHG and VOC requirements for subset of currently regulated equipment.

A new NSPS for PM emissions for new hydronic heaters and forced-air furnaces, as well as a new NSPS for GHGs as CO<sub>2</sub> for new, modified, and reconstructed fossil fuel-fired EGUs and stationary combustion turbines were also promulgated by U.S. EPA in 2015. The CO<sub>2</sub> standards are not included in the controversial “Clean Power Plan” for existing sources which has been stayed by the United States Supreme Court (40 CFR Part 60 Subpart UUUU (111d, existing plants)). Although not being adopted by reference per SCAQMD Rule 1714 – Prevention of Significant Deterioration for Greenhouse Gases, the new NSPS for GHGs from EGUs and stationary combustion turbines have been incorporated into SCAQMD’s permit conditions that are under review by the U.S. EPA under the Title V Program for power plants located in the South Coast Air Basin (SCAB).

In addition, the following five delegable NSPS actions were amended by the U.S. EPA during the time period between January 1, 2015 and June 15, 2016 which: 1) updated emission limits, eliminated a broad exemption, and strengthened test methods for new residential wood heaters; 2) revised procedures for daily average PM compliance calculations for utility generating units using continuous emission monitoring systems (CEMS); 3) added a temperature parameter to start up and shut down requirements, and provided scaling alternative for sources with wet scrubber, tray tower, or dry scrubber at Portland cement plants; 4) revised NSPS for process heaters and flares at petroleum refineries; and, 5) revised provisions for low pressure gas well and storage vessels to lower the potential to emit (PTE) of individual storage vessels from crude oil and natural gas production. The new residential wood heater provision updated by U.S. EPA will not trigger amendments to SCAQMD Rule 445 – Wood Burning Devices. The rule provisions currently include performance and emissions standards adopted by the U.S. EPA on or after February 28, 1988.

In addition, the U.S. EPA also included minor revisions and clarifications to various subparts of 40 CFR Part 60. Since the U.S. EPA does not delegate emission guidelines to the SCAQMD, the subparts related to emission guidelines are not listed for inclusion in the proposed amendments to Regulation IX. The U.S. EPA also amended various subparts of 40 CFR Part 60 related to its revised test methods.

Table 1 lists the NSPS currently proposed for incorporation by reference into SCAQMD Regulation IX. For a description of the actions, please see Attachment A.

### **Public Workshops**

The U.S. EPA held public workshops with public comment periods as part of its rule development process. Since the proposed amendments incorporate existing federal requirements by reference and do not significantly affect air quality or emissions limitations, no additional public workshops were required or held by the SCAQMD.

### **California Environmental Quality Act (CEQA)**

The SCAQMD has reviewed the proposed project pursuant to CEQA Guidelines §15002 (k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA per CEQA Guidelines §15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA.

Because the SCAQMD is proposing to incorporate federal NSPS requirements by reference into Regulation IX, the SCAQMD has determined that it can be seen with certainty there is no possibility that the proposed project may have any significant effects on the environment and is therefore, exempt pursuant to CEQA Guidelines §15061 (b)(3) – Activities Covered By General Rule. A Notice of Exemption has been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. If the proposed project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

### **Socioeconomic Impacts**

The proposed amendments to incorporate NSPS requirements by reference into Regulation IX do not impose new requirements beyond existing and enforceable federal regulations, and thus, do not significantly affect air quality or emissions limitations beyond U.S. EPA's analysis. As such, there will be no socioeconomic impacts beyond what was identified for the federal NSPS standards and requirements.

**Table 1 - NSPS Proposed for Incorporation into Regulation IX**

<b>40 CFR Part 60</b>	<b>Title</b>	<b>U.S. EPA Action (date)</b>	<b>Reference*</b>	<b>New Promulgation, Amendment, and Affected Provision</b>
Subpart Da	NSPS for Electric Utility Steam Generating Units	Final Rule (April 6, 2016)	<a href="#">81 FR 20171, Vol. 81, No. 66</a>	Daily average PM compliance calculation for utility generating units using continuous emission monitoring systems (CEMS)
Subpart F	NSPS for Portland Cement Plants	Final Amendment (July 27, 2015)	<a href="#">80 FR 44771, Vol. 80, No. 143</a>	Temperature parameter for startup and shut down requirements, and scaling alternative for sources with wet scrubbers, tray towers, or dry scrubbers at Portland cement plants
Subparts J and Ja	NSPS for Petroleum Refineries	Final Rule (December 1, 2015)	<a href="#">80 FR 75177, Vol. 80, No. 230</a>	Revised NSPS for process heaters and flares at petroleum refineries
Subpart AAA	NSPS for New Residential Wood Heaters	Final Rule (March 16, 2015)	<a href="#">80 FR 13671, Vol. 80, No. 50</a>	Updated emission limits, eliminated a broad exemption, and strengthened test methods for new residential wood heaters
Subpart OOOO	NSPS for Crude Oil and Natural Gas Production	Final Rule (August 12, 2015)	<a href="#">80 FR 48262, Vol. 80, No. 155</a>	Lowered potential to emit (PTE) of individual storage vessels from crude oil & natural gas production
Subpart OOOOa	NSPS for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After September 18, 2015	Final Rule (June 3, 2016)	<a href="#">81 FR 35823, Vol. 81, No. 107</a>	New NSPS for GHG (methane emission limitations) and VOC emissions for various oil and natural gas sources: 1) GHGs and VOC for current unregulated sources; 2) current regulated sources for VOC, but not for GHGs; and, 3) GHGs and VOC for a subset of current regulated equipment

**Table 1 - NSPS Proposed for Incorporation into Regulation IX (cont.)**

<b>40 CFR Part 60</b>	<b>Title</b>	<b>U.S. EPA Action (date)</b>	<b>Reference*</b>	<b>New Promulgation, Amendment, and Affected Provision</b>
Subpart QQQQ	NSPS for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces	Final Rule (March 16, 2015)	<a href="#">80 FR 13671, Vol. 80, No. 50</a>	New PM standards for new residential hydronic heaters and forced-air furnaces
Subpart TTTT	NSPS for Greenhouse Gas Emissions From New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units	Final Rule (October 23, 2015)	<a href="#">80 FR 64509, Vol. 80, No. 205</a>	New NSPS for GHGs (CO <sub>2</sub> ) from fossil fuel-fired electric utility steam generating units (EGUs) and stationary combustion turbines

\* Due to the bulk of these materials, the complete text of the Federal Register documents can be accessed online through the hyperlinks that are displayed for each subpart.

### **Air Quality Management Plan and Legal Mandates**

The NSPS are federal requirements which are not included in the Draft 2016 Air Quality Management Plan (AQMP). The U.S. EPA is authorized to delegate authority to implement and enforce standards and related compliance periods for new, modified, or reconstructed sources of air pollution set forth in 40 CFR Part 60 to local air districts pursuant to §§110, 111 (c)(1), and 301 of the CAA. Adoption of new and amended NSPS into Regulation IX by reference, formally recognizes SCAQMD's authority to assist in the implementation and enforcement of these federal regulations at the local level.

### **Implementation Plan**

The proposed amendments will not be submitted into the SIP. Rather, as in the past, a request for delegation of new standard and re-delegation of amended standards will be made under the authority of U.S. EPA. In addition, the proposed amendments do not materially affect the structure or function of existing programs associated with the implementation of Regulation IX and/or any other SCAQMD rules. Staff is available to assist facilities covered by the proposed amendments.

### **Resource Impacts**

Current SCAQMD resources are sufficient to implement and enforce the proposed amendments to Regulation IX.

### **Attachments**

- A. Summary of Proposed Amendments to Regulation IX
- B. Resolution
- C. Proposed Amended Regulation IX
- D. Final Staff Report
- E. Notice of Exemption
- F. Board Meeting Presentation

## ATTACHMENT A

### SUMMARY OF PROPOSED AMENDMENTS TO REGULATION IX

REGULATION	PROPOSED AMENDMENTS
<p><b>NSPS – (40 CFR Part 60)</b> Promulgation of 3 New Standards</p>	<ul style="list-style-type: none"> <li>• New NSPS for GHGs (methane) and VOC emissions for various oil and natural gas sources: 1) GHGs and VOC for current unregulated sources; 2) current regulated sources for VOC, but not for GHGs; and 3) GHGs and VOC for a subset of current regulated equipment (Subpart OOOOa).</li> <li>• New PM standards for new residential hydronic heaters and forced-air furnaces (Subpart QQQQ).</li> <li>• New NSPS for GHGs (CO<sub>2</sub>) from fossil fuel-fired electric utility steam generating units (EGUs) and stationary combustion turbines (Subpart TTTT).</li> </ul>
<p><b>NSPS – (40 CFR Part 60)</b> Five Actions to Amend Existing Standards</p>	<ul style="list-style-type: none"> <li>• Revised daily average PM compliance calculation for utility generating units using continuous emission monitoring systems (CEMS) (Subpart Da).</li> <li>• Added temperature parameter to startup and shut down requirements, and provided scaling alternative for sources with wet scrubber, tray tower, or dry scrubber at Portland cement plants (Subpart F).</li> <li>• Revised NSPS for process heaters and flares at petroleum refineries (Subparts J and Ja).</li> <li>• Updated emission limits, eliminated a broad exemption, and strengthened test methods for new residential wood heaters (Subpart AAA).</li> <li>• Lowered potential to emit (PTE) of individual storage vessels from crude oil &amp; natural gas production (Subpart OOOO).</li> </ul>



## ATTACHMENT B

### RESOLUTION NO. 16-\_\_\_\_\_

**A Resolution of the South Coast Air Quality Management District (SCAQMD) Governing Board determining that the proposed amendments to Regulation IX – Standards of Performance for New Stationary Sources are exempt from the requirements of the California Environmental Quality Act (CEQA).**

**A Resolution of the SCAQMD Governing Board amending Regulation IX – Standards of Performance for New Stationary Sources.**

**WHEREAS**, the SCAQMD has had its regulatory program certified pursuant to Public Resources Code §21080.5 and has conducted CEQA review and analysis of the proposed amendments to Regulation IX pursuant to such program (SCAQMD Rule 110); and

**WHEREAS**, the SCAQMD Governing Board finds and determines that the proposed amendments to Regulation IX are considered a "project" pursuant to CEQA per CEQA Guidelines §15002 (k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and

**WHEREAS**, the SCAQMD Governing Board finds and determines that after conducting a review of the proposed amendments to Regulation IX in accordance with CEQA Guidelines §15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA, the proposed amendments to Regulation IX are determined to be exempt from CEQA; and

**WHEREAS**, the SCAQMD Governing Board finds and determines that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt from CEQA pursuant to CEQA Guidelines §15061 (b)(3) – Activities Covered By General Rule; and

**WHEREAS**, SCAQMD staff has prepared a Notice of Exemption for the proposed project, that is completed in compliance with CEQA Guidelines §15062 – Notice of Exemption; and

**WHEREAS**, the Notice of Exemption, the October 7, 2016 SCAQMD Governing Board letter, and other supporting documentation were presented to the SCAQMD Governing Board and the SCAQMD Governing Board has reviewed and considered the entirety of this information prior to approving the project; and

**WHEREAS**, the SCAQMD proposes to incorporate by reference federal New Source Performance Standards (NSPS) requirements into Regulation IX; and

**WHEREAS**, the SCAQMD Governing Board has determined that a need exists to amend Regulation IX to provide a mechanism for local enforcement and provide information to affected facilities of these federal standards; and

**WHEREAS**, the SCAQMD Governing Board obtains its authority to adopt, amend, or repeal rules and regulations from §§ 39002, 40000, 40001, 40440, 40441, 40702, and 40725 through 40728 of the Health and Safety Code; and

**WHEREAS**, the SCAQMD Governing Board has determined that the proposed amendments to Regulation IX are written or displayed so that their meanings can be easily understood by the persons directly affected by them; and

**WHEREAS**, the SCAQMD Governing Board has determined that the proposed amendments to Regulation IX are in harmony with, and not in conflict with or contradictory to, existing statutes, court decisions, or state or federal regulations; and

**WHEREAS**, Health and Safety Code §40727.2 requires the SCAQMD to prepare a written analysis of existing federal air pollution control requirements whenever it adopts or amends a rule or regulation. However, if the rule or regulation is a verbatim adoption or incorporation by reference of federal NSPS requirements, the SCAQMD may comply with this requirement by making a finding that the proposed amendments fall within Health and Safety Code §40727.2 (g). Therefore, the SCAQMD finds that the proposed amendments to Regulation IX represent an adoption by reference of federal NSPS requirements, and that the proposed amendments to Regulation IX fall within the criteria and requirements in Health and Safety Code §40727.2(g); and

**WHEREAS**, a public hearing has been properly noticed in accordance with the provisions of Health and Safety Code §40725; and

**WHEREAS**, the SCAQMD Governing Board has held a public hearing in accordance with all provisions of law; and

**WHEREAS**, the SCAQMD Governing Board, in adopting amendments to Regulation IX, references the following statutes which the SCAQMD hereby implements, interprets, or makes specific: Title 42 U.S.C. Section 7411 (performance standards for new stationary sources), Health and Safety Code §§ 40001(a) (air quality standards), 40001 (b) (air pollution episodes), 40440 (a) (rules to carry out plan), 40702 (adopt regulations to execute duties), and 42301 (permit system); and

**WHEREAS**, federal Clean Air Act §§ 110, 111 (c)(1), and 301 authorize the United States Environmental Protection Agency (U.S. EPA) to delegate authority to local air districts to administer and enforce federal NSPS requirements; and

**WHEREAS**, the SCAQMD Governing Board finds that the proposed amendments to Regulation IX are proposed to implement and enforce federally adopted regulations, which protect the environment; and

**WHEREAS**, the SCAQMD Governing Board has determined that the U.S. EPA has already amended NSPS requirements, so that these federal regulations are currently in effect and that the adoption of the proposed amendments to Regulation IX would merely update SCAQMD regulations to reflect current U.S. EPA standards; and

**WHEREAS**, the SCAQMD Governing Board has determined that there is a problem that, by providing a single source of information for determining applicable federal and local requirements, Regulation IX will alleviate possible confusion by affected industries, thereby enhance compliance with NSPS requirements; and

**WHEREAS**, the SCAQMD Governing Board has determined that the proposed amendments to Regulation IX will impose the same requirements as the existing federal regulations and are necessary and proper to execute the power and duties granted to, and imposed upon, the SCAQMD; and

**WHEREAS**, the SCAQMD Governing Board specifies the Manager for the proposed amendments to Regulation IX as the custodian of the documents or other materials which constitute the record of proceedings upon which the adoption of these proposed amendments are based, which are located at the South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, California; and

**NOW, THEREFORE, BE IT RESOLVED** that the SCAQMD Governing Board does hereby determine, pursuant to the authority granted by law, that the proposed amendments to Regulation IX are exempt from CEQA pursuant to CEQA Guidelines §15002 (k) – General Concepts, and §15061 (b)(3) – Activities Covered By The

General Rule. This information was presented to the SCAQMD Governing Board, whose members reviewed, considered, and approved the information therein prior to acting on the proposed amendments to Regulation IX; and

**BE IT FURTHER RESOLVED**, that the SCAQMD Governing Board finds that the proposed amendments to Regulation IX incorporate by reference federal NSPS requirements for the following industries and operations or sources: oil and natural gas production, hydronic heaters, forced-air furnaces, fossil fuel-fired electric utility steam generating unit, stationary combustion turbines, Portland cement plants, petroleum refineries, residential wood heaters, and utility generating units; and

**BE IT FURTHER RESOLVED**, that the SCAQMD Governing Board does hereby adopt the proposed amendments to Regulation IX, pursuant to the authority granted by law as set forth in the attached and incorporated herein by reference.

**BE IT FURTHER RESOLVED**, that the proposed amendments to Regulation IX will not be submitted for inclusion into the State Implementation plan.

**BE IT FURTHER RESOLVED**, that the SCAQMD Governing Board hereby directs staff to submit a request for delegation for the new and re-delegation for the amended standards incorporated herein by this reference.

DATE: September 13, 2016

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CLERK OF THE BOARDS

## **ATTACHMENT C**

(Adopted December 3, 1976)(Amended June 7, 1985)(Amended November 1, 1985)  
(Amended October 3, 1986)(Amended April 3, 1987)(Amended May 5, 1989)  
(Amended September 7, 1990)(Amended October 4, 1991)(Amended April 3, 1992)  
(Amended April 9, 1993)(Amended April 8, 1994)(Amended January 9, 1998)  
(Amended August 13, 1999)(Amended April 21, 2000)  
(Amended May 11, 2001)(Amended April 5, 2002)(Amended May 7, 2004)  
(Amended December 2, 2005)(Amended September 8, 2006)  
(Amended April 6, 2007)(Amended April 4, 2008)(Amended April 3, 2009)  
(Amended March 5, 2010)(Amended March 4, 2011)  
(Amended April 6, 2012) (Amended April 3, 2015)  
(PAREg IX, October 7, 2016)

## **REGULATION IX**

### **STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES**

The provisions of Part 60, Chapter I, Title 40, of the Code of Federal Regulations (CFR), in effect July 1, 1984, applicable to the subparts listed in this Regulation were adopted by the South Coast Air Quality Management District on the date shown and were made part of the Rules and Regulations of the South Coast Air Quality Management District.

All new sources of air pollution and all modified or reconstructed sources of air pollution shall comply with the more stringent of the standards, criteria, and requirements set forth herein or in applicable District rules. For the purpose of this Regulation, the word "Administrator" as used in Part 60, Chapter I, Title 40, of the CFR shall mean the Executive Officer of the South Coast Air Quality Management District, except that the Executive Officer shall not be empowered to approve alternate test methods or alternate opacity limits. Other deviations from these federal standards, as presented in the CFR and which were ordered by the South Coast Air Quality Management District Board to suit the needs of the South Coast Air Quality Management District, are noted in the affected subpart.

**SUBPART A GENERAL PROVISIONS**

(40FR53346, Nov. 17, 1975)	(Adopted Dec. 3, 1976)
(52FR17555, May 11, 1987)	(Amended Oct. 5, 1984)
(55FR26912, June 29, 1990)	(Amended May 5, 1989)
(55FR26931, June 29, 1990)	(Amended Oct. 4, 1991)
(55FR37674, Sept. 12, 1990)	(Amended Oct. 4, 1991)
(55FR40171, Oct. 2, 1990)	(Amended Oct. 4, 1991)
(55FR51378, Dec. 13, 1990)	(Amended Oct. 4, 1991)
(57FR32314, July 21, 1992)	(Amended April 9, 1993)
(59FR12408, March 16, 1994)	(Amended August 13, 1999)
(60FR65387, Dec. 19, 1995)	(Amended August 13, 1999)
(62FR8314, Feb. 24, 1997)	(Amended August 13, 1999)
(62FR52384, Oct. 7, 1997)	(Amended August 13, 1999)
(63FR24436, May 4, 1998)	(Amended August 13, 1999)
(65FR48914, August 10, 2000)	(Amended May 11, 2001)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(65FR76378, Dec. 6, 2000)	(Amended May 11, 2001)
(66FR44978, August 27, 2001)	(Amended April 5, 2002)
(67FR43550, June 28, 2002)	(Amended May 7, 2004)
(69FR41346, July 8, 2004)	(Amended Dec. 2, 2005)
(70FR74870, Dec. 16, 2005)	(Amended April 6, 2007)
(71FR38482, July 6, 2006)	(Amended April 6, 2007)
(71FR39154, July 11, 2006)	(Amended April 6, 2007)
(72FR27437, May 16, 2007)	(Amended April 4, 2008)
(72FR32710, June 13, 2007)	(Amended April 4, 2008)
(73FR3568, January 18, 2008)	(Amended April 3, 2009)
(73FR35838, June 24, 2008)	(Amended April 3, 2009)
(74FR5072, January 28, 2009)	(Amended March 5, 2010)
(74FR51950, October 8, 2009)	(Amended March 5, 2010)
(75FR54970, Sept. 9, 2010)	(Amended March 4, 2011)
(76FR2832, January 18, 2011)	(Amended April 6, 2012)
(76FR15372, March 21, 2011)	(Amended April 6, 2012)
(76FR15704, March 21, 2011)	(Amended April 6, 2012)
(79FR11228, February 27, 2014)	(Amended April 3, 2015)

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

(39FR20792, June 14, 1974)	(Adopted Dec. 3, 1976)
(51FR42839, Nov. 26, 1986)	(Amended April 3, 1987)
(52FR28946, Aug. 4, 1987)	(Amended May 5, 1989)
(55FR5211, Feb. 14, 1990)	(Amended Oct. 4, 1991)
(55FR51378, Dec. 13, 1990)	(Amended Oct. 4, 1991)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(72FR32710, June 13, 2007)	(Amended April 4, 2008)
(74FR5072, January 28, 2009)	(Amended March 5, 2010)
(76FR3517, January 20, 2011)	(Amended April 6, 2012)

**SUBPART Da            STANDARDS OF PERFORMANCE FOR ELECTRIC  
UTILITY STEAM GENERATING UNITS FOR WHICH  
CONSTRUCTION IS COMMENCED AFTER SEPT. 18, 1978**

(44FR33613, June 11, 1979)	(Adopted Oct. 5, 1984)
(51FR42839, Nov. 26, 1986)	(Amended April 3, 1987)
(55FR5211, Feb. 14, 1990)	(Amended Oct. 4, 1991)
(63FR49442, Sept. 16, 1998)	(Amended August 13, 1999)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(66FR18546, April 10, 2001)	(Amended April 5, 2002)
(66FR31177, June 11, 2001)	(Amended April 5, 2002)
(66FR42608, August 14, 2001)	(Amended April 5, 2002)
(70FR28606, May 18, 2005)	(Amended Sept. 8, 2006)
(70FR51266, August 30, 2005)	(Amended Sept. 8, 2006)
(71FR9866, February 27, 2006)	(Amended April 6, 2007)
(71FR33388, June 9, 2006)	(Amended April 6, 2007)
(72FR32710, June 13, 2007)	(Amended April 4, 2008)
(74FR5072, January 28, 2009)	(Amended March 5, 2010)
(76FR3517, January 20, 2011)	(Amended April 6, 2012)
(79FR68777, November 19, 2014)	(Amended April 3, 2015)
<u>(81FR20171, April 6, 2016)</u>	<u>(Amended Date of Adoption)</u>

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.

**SUBPART Db            STANDARDS OF PERFORMANCE FOR INDUSTRIAL-  
COMMERCIAL-INSTITUTIONAL STEAM GENERATING  
UNITS**

(51FR42768, Nov. 25, 1986)	(Adopted April 3, 1987)
(51FR42839, Nov. 26, 1986)	
(52FR47826, Dec. 16, 1987)	(Amended May 5, 1989)
(54FR51820, Dec. 18, 1989)	(Amended, Sept. 7, 1990)
(63FR4992, Sept. 16, 1998)	(Amended August 13, 1999)
(65FR13242, March 13, 2000)	(Amended May 11, 2001)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(66FR18546, April 10, 2001)	(Amended April 5, 2002)
(66FR31177, June 11, 2001)	(Amended April 5, 2002)
(66FR42608, August 14, 2001)	(Amended April 5, 2002)
(66FR49830, October 1, 2001)	(Amended April 5, 2002)
(71FR9866, February 27, 2006)	(Amended April 6, 2007)
(71FR33388, June 9, 2006)	(Amended April 6, 2007)
(72FR32710, June 13, 2007)	(Amended April 4, 2008)
(74FR5072, January 28, 2009)	(Amended March 5, 2010)
(76FR3517, January 20, 2011)	(Amended April 6, 2012)
(79FR11228, February 27, 2014)	(Amended April 3, 2015)

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

(55FR37674, Sept. 12, 1990)	(Adopted Oct. 4, 1991)
(61FR20734, May 8, 1996)	(Amended August 13, 1999)
(64FR24049, May 5, 1999)	(Amended April 21, 2000)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(70FR74679, Dec. 16, 2005)	(Amended Sept. 8, 2006)
(71FR9866, February 27, 2006)	(Amended April 6, 2007)
(72FR32710, June 13, 2007)	(Amended April 4, 2008)
(74FR5072, January 28, 2009)	(Amended March 5, 2010)
(76FR3517, January 20, 2011)	(Amended April 6, 2012)

**SUBPART E      STANDARDS OF PERFORMANCE FOR INCINERATORS**

(36FR24877, Dec. 23, 1971)	(Adopted Dec. 3, 1976)
(55FR5211, Feb. 14, 1990)	(Amended Oct. 4, 1991)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(71FR27324, May 10, 2006)	(Amended April 6, 2007)

**SUBPART Ea      STANDARDS OF PERFORMANCE FOR MUNICIPAL  
WASTE COMBUSTORS**

(56FR5488, Feb. 11, 1991)	(Adopted April 3, 1992)
(60FR65381, Dec. 19, 1995)	(Adopted Dec. 12, 1997)
(65FR61743, Oct. 17, 2000)	(Amended May 11, 2001)

**SUBPART Eb      STANDARDS OF PERFORMANCE AND EMISSION  
GUIDELINES FOR MUNICIPAL WASTE COMBUSTORS**

(60FR65387, Dec. 19, 1995)	(Adopted Dec. 12, 1997)
(62FR45116, Aug. 25, 1997)	(Amended Dec. 12, 1997)
(62FR45124, Aug. 25, 1997)	(Amended Dec. 12, 1997)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)
(66FR36473, July 12, 2001)	(Amended April 5, 2002)
(66FR57824, Nov. 16, 2001)	(Amended April 5, 2002)
(71FR27324, May 10, 2006)	(Amended April 6, 2007)

**SUBPART Ec      STANDARDS OF PERFORMANCE FOR HOSPITAL/  
MEDICAL INFECTIOUS WASTE INCINERATORS**

(62FR48348, Sept. 15, 1997)	(Adopted Dec. 12, 1997)
(65FR61743, Oct. 17, 2000)	(Amended May 11, 2001)
(68FR61759, Oct. 30, 2003)	(Amended May 7, 2004)
(76FR18407, April 4, 2011)	(Amended April 6, 2012)
(78FR28052, May 13, 2013)	(Amended April 3, 2015)



<b>SUBPART F</b>	<b>STANDARDS OF PERFORMANCE FOR PORTLAND CEMENT PLANTS</b>  (36FR24877, Dec. 23, 1971) (53FR50354 Dec. 14, 1988) (61FR14637, April 3, 1996) (65FR61743, Oct. 17, 2000) (75FR54970, Sept. 9, 2010) (78FR10006, February 12, 2013) <u>(80FR44771, July 27, 2015)</u>	  (Adopted Dec. 3, 1976) (Amended May 5, 1989) (Amended August 13, 1999) (Amended May 11, 2001) (Amended March 4, 2011) (Amended April 3, 2015)  <u>(Amended Date of Adoption)</u>
<b>SUBPART G</b>	<b>STANDARDS OF PERFORMANCE FOR NITRIC ACID PLANTS</b>  (39FR20794, June 14, 1974)	  (Adopted Dec. 3, 1976)
<b>SUBPART H</b>	<b>STANDARDS OF PERFORMANCE FOR SULFURIC ACID PLANTS</b>  (39FR20794, June 14, 1974) (65FR61743, Oct. 17, 2000) (79FR11228, February 27, 2014)	  (Adopted Dec. 3, 1976) (Amended May 11, 2001) (Amended April 3, 2015)
<b>SUBPART I</b>	<b>STANDARDS OF PERFORMANCE FOR ASPHALTIC CONCRETE PLANTS</b>  (39FR9314, March 8, 1974) (51FR12324, April 10, 1986)	  (Adopted Dec. 3, 1976) (Amended April 3, 1987)
<b>SUBPART J</b>	<b>STANDARDS OF PERFORMANCE FOR PETROLEUM REFINERIES</b>  (39FR9315, March 8, 1974) (51FR42839, Nov. 26, 1986)  (54FR34008, Aug. 17, 1989) (55FR40171, Oct. 2, 1990) (65FR61743, Oct. 17, 2000) (73FR35838, June 24, 2008) <u>(80FR75177, December 1, 2015)</u>	  (Adopted Dec. 3, 1976) (Amended Feb. 13, 1981) (Amended April 3, 1987) (Amended Sept. 7, 1990) (Amended Oct. 4, 1991) (Amended May 11, 2001) (Amended April 3, 2009) <u>(Amended Date of Adoption)</u>
<b>SUBPART Ja</b>	<b>STANDARDS OF PERFORMANCE FOR PETROLEUM REFINERIES FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER May 14, 2007</b>  (73FR35838, June 24, 2008) (73FR55751, Sept. 26, 2008)	  (Adopted April 3, 2009) (Amended April 3, 2009)

(73FR78546, Dec. 22, 2008)	(Amended April 3, 2009)
(73FR78549, Dec. 22, 2008)	(Amended April 3, 2009)
(76FR10524, Feb.25, 2011)	(Amended April 6, 2012)
(77FR56422, September 12, 2012)	(Amended April 3, 2015)
<u>(80FR75177, December 1, 2015)</u>	<u>(Amended Date of Adoption)</u>

**SUBPART K            STANDARDS OF PERFORMANCE FOR STORAGE  
VESSELS FOR PETROLEUM LIQUIDS CONSTRUCTED  
AFTER JUNE 11, 1973, AND PRIOR TO MAY 19, 1978**

(39FR9317, March 8, 1974)	(Adopted Dec. 3, 1976)
	(Amended Feb. 13, 1981)
(52FR11420, April 8, 1987)	
and	
(52FR22779, June 16, 1987)	(Amended May 5, 1989)

**SUBPART Ka         STANDARDS OF PERFORMANCE FOR STORAGE  
VESSELS FOR PETROLEUM LIQUIDS CONSTRUCTED  
AFTER MAY 18, 1978**

(45FR23379, Apr. 4, 1980)	(Adopted Dec. 3, 1976)
	(Amended Feb. 13, 1981)
(52FR11420, April 18, 1987) and	
(52FR22779, June 16, 1987)	(Amended May 5, 1989)
(65FR2336, January 14, 2000)	(Amended May 11, 2001)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)

**SUBPART Kb         STANDARDS OF PERFORMANCE FOR STORAGE  
VESSELS FOR PETROLEUM LIQUIDS FOR WHICH  
CONSTRUCTION, RECONSTRUCTION, OR  
MODIFICATION COMMENCED AFTER JULY 23, 1983**

(52FR11420, April 8, 1987) and	
(52FR22779, June 16, 1987)	(Adopted May 5, 1989)
(54FR32972, August 11, 1989)	(Amended Sept. 7, 1990)
(65FR2336, January 14, 2000)	(Amended May 11, 2001)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)

**SUBPART L           STANDARDS OF PERFORMANCE FOR SECONDARY  
LEAD SMELTERS**

(39FR9317, March 8, 1974)	(Adopted Dec. 3, 1976)
(65FR61743, October 17, 2000)	(Amended May 11, 2001)

<b>SUBPART M</b>	<b>STANDARDS OF PERFORMANCE FOR SECONDARY BRASS AND BRONZE PRODUCTION PLANTS</b>	
	(39FR9318, March 8, 1974)	(Adopted Dec. 3, 1976)
	(49FR21864, Mar. 23, 1984)	(Amended Oct. 5, 1984)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
<b>SUBPART N</b>	<b>STANDARDS OF PERFORMANCE FOR IRON AND STEEL PLANTS</b>	
	(39FR9318, March 8, 1974)	(Adopted Dec. 3, 1976)
	(51FR150, Jan. 2, 1986)	(Amended June 5, 1981)
		(Amended April 3, 1987)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
<b>SUBPART Na</b>	<b>STANDARDS OF PERFORMANCE FOR BASIC OXYGEN PROCESS FURNACES</b>	
	(51FR150, Jan. 2, 1986)	(Adopted April 3, 1987)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
<b>SUBPART O</b>	<b>STANDARDS OF PERFORMANCE FOR SEWAGE TREATMENT PLANTS</b>	
	(39FR9319, March 8, 1974)	(Adopted Dec. 3, 1976)
	(51FR13432, April 18, 1986)	(Amended Oct. 3, 1986)
	(54FR27015, June 27, 1989)	(Amended Sept. 7, 1990)
	(59FR5107, February 3, 1994)	(Amended Dec. 12, 1997)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
	(79FR11228, February 27, 2014)	(Amended April 3, 2015)
<b>SUBPART P</b>	<b>STANDARDS OF PERFORMANCE FOR PRIMARY COPPER SMELTERS</b>	
	(41FR2338, Jan. 15, 1976)	(Adopted Nov. 1, 1985)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
<b>SUBPART Q</b>	<b>STANDARDS OF PERFORMANCE FOR PRIMARY ZINC SMELTERS</b>	
	(41FR2340, Jan. 15, 1976)	(Adopted Nov. 1, 1985)
<b>SUBPART R</b>	<b>STANDARDS OF PERFORMANCE FOR PRIMARY LEAD SMELTERS</b>	
	(41FR2340, Jan. 15, 1976)	(Adopted Nov. 1, 1985)



<b>SUBPART Y</b>	<b>STANDARDS OF PERFORMANCE FOR COAL PREPARATION PLANTS</b>	
	(41FR2234, Jan. 15, 1976)	(Adopted Dec. 3, 1976)
	(63FR53288, Oct. 5, 1998)	(Amended Aug. 13, 1999)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
	(74FR51950, October 8, 2009)	(Amended March 5, 2010)
<b>SUBPART Z</b>	<b>STANDARDS OF PERFORMANCE FOR FERRO-ALLOY PRODUCTION FACILITIES</b>	
	(41FR18501, May 4, 1976)	(Adopted Nov. 1, 1985)
	(55FR5211, Feb. 14, 1990)	(Amended Oct. 4, 1991)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
<b>SUBPART AA</b>	<b>STANDARDS OF PERFORMANCE FOR STEEL PLANTS: ELECTRIC ARC FURNACES CONSTRUCTED AFTER OCT. 21, 1974, AND ON OR BEFORE AUG. 17, 1983</b>	
	(40FR43852, Sept. 23, 1975)	(Adopted Dec. 3, 1976)
	(40FR43838, Oct. 31, 1984)	(Amended June 7, 1985)
	(64FR10105, March 2, 1999)	(Amended April 21, 2000)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
	(70FR8523, February 22, 2005)	(Amended Sept. 8, 2006)
<b>SUBPART AAa</b>	<b>STANDARDS OF PERFORMANCE FOR STEEL PLANTS: ELECTRIC ARC FURNACES AND ARGON-OXYGEN DECARBURIZATION VESSELS CONSTRUCTED AFTER AUGUST 17, 1983</b>	
	(49FR43838, Oct. 3, 1984)	(Adopted June 7, 1985)
	(64FR10105, March 2, 1999)	(Amended April 21, 2000)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
	(70FR8523, February 22, 2005)	(Amended Sept. 8, 2006)
<b>SUBPART BB</b>	<b>STANDARDS OF PERFORMANCE FOR KRAFT PULP MILLS</b>	
	(43FR7572, Feb. 23, 1978)	(Adopted Nov. 1, 1985)
	(51FR18538, May 20, 1986)	(Amended Oct. 3, 1986)
	(55FR5211, Feb. 14, 1990)	(Amended Oct. 4, 1991)
	(65FR61743, October 17, 2000)	(Amended May 11, 2001)
	(79FR18952, April 4, 2014)	(Amended April 3, 2015)

**SUBPART BBa STANDARDS OF PERFORMANCE FOR KRAFT PULP  
MILL AFFECTED SOURCES FOR WHICH  
CONSTRUCTION, RECONSTRUCTION, OR  
MODIFICATION COMMENCED AFTER MAY 23, 2013**

(79FR18952, April 4, 2014) (Amended April 3, 2015)

**SUBPART CC STANDARDS OF PERFORMANCE FOR GLASS  
MANUFACTURING PLANTS**

(45FR66751, Oct. 7, 1980) (Adopted June 7, 1985)  
(49FR41030, Oct. 19, 1984)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)

**SUBPART DD STANDARDS OF PERFORMANCE FOR GRAIN  
ELEVATORS**

(43FR34347, Aug. 3, 1978) (Adopted March 6, 1981)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)

**SUBPART EE STANDARDS OF PERFORMANCE FOR SURFACE  
COATING OF METAL FURNITURE**

(47FR49287, Oct. 29, 1982) (Adopted Oct. 5, 1984)  
(49FR40542, Oct. 16, 1984) (Amended Nov. 1, 1985)  
(55FR51378, Dec.13, 1990) (Amended Oct. 4, 1991)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.

**SUBPART GG STANDARDS OF PERFORMANCE FOR STATIONARY  
GAS TURBINES**

(44FR52798, Sept. 10, 1979) (Adopted March 6, 1981)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)  
(69FR41346, July 8, 2004) (Amended Dec. 2, 2005)  
(71FR9453, February 24, 2006) (Amended April 6, 2007)  
(79FR11228, February 27, 2014) (Amended April 3, 2015)

- SUBPART HH STANDARDS OF PERFORMANCE FOR LIME MANUFACTURING PLANTS**
- (43FR9453, March 7, 1978) (Adopted April 3, 1981)  
(49FR18076, Apr. 26, 1984) (Amended Oct. 5, 1984)  
(52FR4773, Feb. 17, 1987) (Amended May 5, 1989)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)
- SUBPART KK STANDARDS OF PERFORMANCE FOR LEAD-ACID BATTERY MANUFACTURING PLANTS**
- (47FR16573, Apr. 16, 1982) (Adopted August 5, 1983)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)  
(79FR11228, February 27, 2014) (Amended April 3, 2015)
- SUBPART LL STANDARDS OF PERFORMANCE FOR METALLIC MINERAL PROCESSING PLANTS**
- (49FR6464, Feb. 21, 1984) (Adopted Nov. 1, 1985)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)  
(79FR11228, February 27, 2014) (Amended April 3, 2015)
- SUBPART MM STANDARDS OF PERFORMANCE FOR AUTOMOBILE AND LIGHT-DUTY TRUCK SURFACE COATING OPERATIONS**
- (45FR85415, Dec. 24, 1980) (Adopted Oct. 5, 1984)  
(55FR51378, Dec. 13, 1990) (Amended Oct. 4, 1991)  
(59FR51383, Oct. 11, 1994) (Amended Aug. 13, 1999)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)
- Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.
- SUBPART NN STANDARDS OF PERFORMANCE FOR PHOSPHATE ROCK PLANTS**
- (47FR16589, April 16, 1982) (Adopted Nov. 1, 1985)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)
- SUBPART PP STANDARDS OF PERFORMANCE FOR AMMONIUM SULFATE MANUFACTURE**
- (45FR74850, Nov. 12, 1980) (Adopted Feb. 13, 1981)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)

**SUBPART QQ      STANDARDS OF PERFORMANCE FOR THE GRAPHIC  
ARTS INDUSTRY: PUBLICATION ROTOGRAVURE  
PRINTING**

(47FR50649, Nov. 8, 1982)                      (Adopted July 6, 1984)  
(65FR61743, October 17, 2000)              (Amended May 11, 2001)

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.

**SUBPART RR      STANDARDS OF PERFORMANCE FOR PRESSURE  
SENSITIVE TAPE AND LABEL SURFACE COATING  
OPERATIONS**

(48FR48368, Oct. 18, 1983)                      (Adopted May 4, 1984)  
(55FR51378, Dec 13, 1990)                      (Amended Oct. 4, 1991)  
(65FR61743, October 17, 2000)              (Amended May 11, 2001)

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.

**SUBPART SS      STANDARDS OF PERFORMANCE FOR INDUSTRIAL  
SURFACE COATING: LARGE APPLIANCES**

(47FR47785, Oct. 27, 1982)                      (Adopted Oct. 5, 1984)  
(55FR51378, Dec 13, 1990)                      (Amended Oct. 4, 1991)  
(65FR61743, October 17, 2000)              (Amended May 11, 2001)

Note: The 30-day emission averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.

**SUBPART TT      STANDARDS OF PERFORMANCE FOR METAL COIL  
SURFACE COATING**

(47FR49612, Nov. 1, 1982)                      (Adopted Oct. 5, 1984)  
(51FR22938, June 24, 1986)                      (Amended Oct. 3, 1986)  
(55FR51378, Dec 13, 1990)                      (Amended Oct. 4, 1991)  
(65FR61743, October 17, 2000)              (Amended May 11, 2001)

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.



<b>SUBPART UU</b>	<b>STANDARDS OF PERFORMANCE FOR ASPHALT PROCESSING AND ASPHALT ROOFING MANUFACTURE</b>	(45FR34143, Aug. 6, 1982) (65FR61743, October 17, 2000) (79FR11228, February 27, 2014)	(Adopted Aug. 5, 1983) (Amended May 11, 2001) (Amended April 3, 2015)
<b>SUBPART VV</b>	<b>STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC ORGANIC CHEMICALS MANUFACTURING INDUSTRY</b>	(48FR48355, Oct. 18, 1983) (51FR2699, Jan. 21, 1986) (61FR29875, June 12, 1996) (65FR61743, October 17, 2000) (72FR64860, Nov. 16, 2007) (73FR31372, June 2, 2008) (73FR31376, June 2, 2008)	(Adopted Oct. 5, 1984) (Amended April 3, 1987) (Amended Aug. 13, 1999) (Amended May 11, 2001) (Amended April 4, 2008) (Amended April 3, 2009) (Amended April 3, 2009)
<b>SUBPART VVa</b>	<b>STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC ORGANIC CHEMICALS MANUFACTURING INDUSTRY FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER NOVEMBER 7, 2006</b>	72FR64860, Nov. 16, 2007 (73FR31372, June 2, 2008) (73FR31376, June 2, 2008)	(Adopted April 4, 2008) (Amended April 3, 2009) (Amended April 3, 2009)
<b>SUBPART WW</b>	<b>STANDARDS OF PERFORMANCE FOR THE BEVERAGE CAN SURFACE COATING INDUSTRY</b>	(48FR38737, Aug. 25, 1983) (55FR51378, Dec 13, 1990) (65FR61743, October 17, 2000)	(Adopted Oct. 5, 1984) (Amended Oct. 4, 1991) (Amended May 11, 2001)

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD.

**SUBPART  
AAA STANDARDS OF PERFORMANCE FOR NEW  
RESIDENTIAL WOOD HEATERS**

(52FR5860, Feb. 26, 1988) and  
(53FR12009, April 12, 1988) (Adopted May 5, 1989)  
(63FR64869, Nov. 24, 1998) (Amended Aug. 13, 1999)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)  
(80FR13671, March 16, 2015) (Amended Date of Adoption)

**SUBPART  
BBB STANDARDS OF PERFORMANCE FOR THE RUBBER  
TIRE MANUFACTURING INDUSTRY**

(52FR34868, Sept. 15, 1987) and  
(52FR37874, Oct. 9, 1987) (Adopted May 5, 1989)  
(54FR38634, Sept. 19, 1989) (Amended Sept. 7, 1990)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)

**SUBPART  
DDD STANDARDS OF PERFORMANCE FOR VOLATILE  
ORGANIC COMPOUND (VOC) EMISSIONS FROM THE  
POLYMER MANUFACTURING INDUSTRY**

(55FR51010, Dec. 11, 1990) (Adopted Oct. 4, 1991)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)

**SUBPART  
FFF STANDARDS OF PERFORMANCE FOR FLEXIBLE  
VINYL AND URETHANE COATING AND PRINTING**

(49FR26892, June 29, 1984) (Adopted June 7, 1985)

Note: The 30-day emissions averaging periods specified in the federal standard are deleted and replaced with 24-hour maximum emissions averaging periods for affected facilities in the SCAQMD

**SUBPART  
GGG STANDARDS OF PERFORMANCE FOR EQUIPMENT  
LEAKS OF VOC IN PETROLEUM REFINERIES FOR  
WHICH CONSTRUCTION, RECONSTRUCTION, OR  
MODIFICATION COMMENCED AFTER JANUARY 4, 1983,  
AND ON OR BEFORE NOVEMBER 7, 2006**

(49FR22606, May 30, 1984) (Adopted June 7, 1985)  
(65FR61743, October 17, 2000) (Amended May 11, 2001)  
(72FR64860, Nov. 16, 2007) (Amended April 4, 2008)  
(73FR31372, June 2, 2008) (Amended April 3, 2009)  
(73FR31376, June 2, 2008) (Amended April 3, 2009)

<b>SUBPART GGGa</b>	<b>STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC IN PETROLEUM REFINERIES FOR WHICH CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION COMMENCED AFTER NOVEMBER 7, 2006</b>	(72FR64896, Nov. 16, 2007) 73FR31372, June 2, 2008 73FR31376, June 2, 2008	(Adopted April 3, 2009) (Amended April 3, 2009) (Amended April 3, 2009)
<b>SUBPART HHH</b>	<b>STANDARDS OF PERFORMANCE FOR SYNTHETIC FIBER PRODUCTION FACILITIES</b>	(49FR13651, April 5, 1984) (55FR51378, Dec 13, 1990) (65FR61743, October 17, 2000)	(Adopted Nov. 1, 1985) (Amended Oct. 4, 1991) (Amended May 11, 2001)
<b>SUBPART III</b>	<b>STANDARDS OF PERFORMANCE FOR VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY (SOCMI) AIR OXIDATION UNIT PROCESSES</b>	(55FR26912, June 29, 1990) (65FR61743, October 17, 2000)	(Amended Oct. 4, 1991) (Amended May 11, 2001)
<b>SUBPART JJJ</b>	<b>STANDARDS OF PERFORMANCE FOR PETROLEUM DRY CLEANERS</b>	(49FR37332, Sept. 21, 1984) (50FR49026, Nov. 27, 1985) (65FR61743, October 17, 2000)	(Adopted June 7, 1985) (Amended Oct. 3, 1986) (Amended May 11, 2001)
<b>SUBPART KKK</b>	<b>STANDARDS OF PERFORMANCE FOR EQUIPMENT LEAKS OF VOC FROM ONSHORE NATURAL GAS PROCESSING PLANTS</b>	(50FR26122, June 24, 1985) (65FR61743, October 17, 2000) (77FR49490, August 16, 2012)	(Adopted Nov. 1, 1985) (Amended May 11, 2001) (Amended April 3, 2015)
<b>SUBPART LLL</b>	<b>STANDARDS OF PERFORMANCE FOR ONSHORE NATURAL GAS PROCESSING: SO<sub>2</sub> EMISSIONS</b>	(50FR40518, Oct. 1, 1985) (65FR61743, October 17, 2000) (77FR49490, August 16, 2012)	(Adopted Oct. 3, 1986) (Amended May 11, 2001) (Amended April 3, 2015)

**SUBPART  
NNN**                    **STANDARDS OF PERFORMANCE FOR VOLATILE  
ORGANIC COMPOUND (VOC) EMISSIONS FROM  
SYNTHETIC ORGANIC CHEMICAL MANUFACTURING  
INDUSTRY (SOCMI) DISTILLATION OPERATIONS**

(55FR26931, June 29, 1990)                    (Adopted Oct. 4, 1991)  
(65FR61743, October 17, 2000)                    (Amended May 11, 2001)  
(79FR11228, February 27, 2014)                    (Amended April 3, 2015)

**SUBPART  
OOO**                    **STANDARDS OF PERFORMANCE FOR NONMETALLIC  
MINERAL PROCESSING PLANTS**

(50FR31328, Aug. 1, 1985)                    (Adopted Nov. 1, 1985)  
(62FR31351, June 9, 1997)                    (Amended Dec. 12, 1997)  
(62FR62953, Nov. 26, 1997)                    (Amended August 13, 1999)  
(65FR61743, October 17, 2000)                    (Amended May 11, 2001)

**SUBPART  
PPP**                    **STANDARDS OF PERFORMANCE FOR WOOL  
FIBERGLASS INSULATION MANUFACTURING  
PLANTS**

(50FR7694, Feb. 25, 1985)                    (Adopted Nov. 1, 1985)  
(65FR61743, October 17, 2000)                    (Amended May 11, 2001)

**SUBPART  
QQQ**                    **STANDARDS OF PERFORMANCE FOR VOC  
EMISSIONS FROM PETROLEUM REFINERY  
WASTEWATER SYSTEMS**

(53FR47616, Nov. 23, 1988)                    (Adopted May 5, 1989)  
(60FR43244, Aug. 18, 1995)                    (Amended August 13, 1999)  
(65FR61743, October 17, 2000)                    (Amended May 11, 2001)

**SUBPART  
RRR**                    **STANDARDS OF PERFORMANCE FOR VOLATILE  
ORGANIC COMPOUND (VOC) EMISSIONS FROM  
THE SYNTHETIC ORGANIC CHEMICAL  
MANUFACTURING INDUSTRY (SOCMI) REACTOR  
PROCESSES**

(58FR45948, Aug. 31, 1993)                    (Adopted April 8, 1994)  
(65FR61743, October 17, 2000)                    (Amended May 11, 2001)

**SUBPART  
SSS**                    **STANDARDS OF PERFORMANCE FOR THE  
MAGNETIC TAPE MANUFACTURING INDUSTRY**

(53FR38892, Oct. 3, 1988) and  
(53FR47955, Nov. 29, 1988)                    (Adopted May 5, 1989)

<b>SUBPART TTT</b>	<b>STANDARDS OF PERFORMANCE FOR INDUSTRIAL SURFACE COATING PLASTIC PARTS FOR BUSINESS MACHINES</b>
	(53FR2672, Jan. 29, 1988) and (53FR19300, May 27, 1988) (Adopted May 5, 1989) (54FR25458, June 15, 1989) (Amended Sept. 7, 1990) (65FR61743, October 17, 2000) (Amended May 11, 2001)
<b>SUBPART UUU</b>	<b>STANDARDS OF PERFORMANCE FOR CALCINERS AND DRYERS IN MINERAL INDUSTRIES</b>
	(57FR44496, Sept. 28, 1992) (Adopted April 9, 1993) (58FR40591, July 29, 1993) (Amended April 8, 1994)
<b>SUBPART VVV</b>	<b>STANDARDS OF PERFORMANCE FOR POLYMERIC COATING OF SUPPORTING SUBSTRATES</b>
	(54FR37534, Sept. 11, 1989) (Adopted Sept. 7, 1990) (65FR61743, October 17, 2000) (Amended May 11, 2001)
<b>SUBPART WWW</b>	<b>STANDARDS OF PERFORMANCE FOR MUNICIPAL SOLID WASTE LANDFILLS</b>
	(61FR9905, March 12, 1996) (Adopted Dec. 12, 1997) (63FR32743, June 16, 1998) (Amended Aug. 13, 1999) (64FR9258, February 24, 1999) (Amended April 21, 2000) (65FR18906, April 10, 2000) (Amended May 11, 2001) (65FR61743, October 17, 2000) (Amended May 11, 2001)
<b>SUBPART AAAA</b>	<b>STANDARDS OF PERFORMANCE FOR NEW SMALL MUNICIPAL WASTE COMBUSTION UNITS</b>
	(65FR76350, December 6, 2000) (Amended May 11, 2001)
<b>SUBPART CCCC</b>	<b>STANDARDS OF PERFORMANCE FOR COMMERCIAL AND INDUSTRIAL SOLID WASTE INCINERATION UNITS</b>
	(65FR75338, December 1, 2000) (Amended May 11, 2001) (66FR16605, March 27, 2001) (Amended April 5, 2002) (70FR55568, Sept. 22, 2005) (Amended Sept. 8, 2006) (76FR15704, March 21, 2011) (Amended April 6, 2012) (78FR9111, February 7, 2013) (Amended April 3, 2015)

**SUBPART  
EEEE STANDARDS OF PERFORMANCE FOR OTHER SOLID  
WASTE INCINERATION UNITS**

(70FR74870, December 16, 2005) (Amended April 6, 2007)  
(71FR67802, Nov. 24, 2006) (Amended April 6, 2007)

**SUBPART  
III STANDARDS OF PERFORMANCE FOR STATIONARY  
COMPRESSION IGNITION INTERNAL  
COMBUSTION ENGINES**

(71FR39154, July, 11, 2006) (Amended April 6, 2007)  
(76FR37954, June 28, 2011) (Amended April 6, 2012)  
(78FR6674, January 30, 2013) (Amended April 3, 2015)

**SUBPART  
JJJJ STANDARDS OF PERFORMANCE FOR STATIONARY  
SPARK IGNITION INTERNAL COMBUSTION ENGINES**

(73FR3568, January 18, 2008) (Amended April 3, 2009)  
(76FR37954, June 28, 2011) (Amended April 6, 2012)  
(78FR6674, January 30, 2013) (Amended April 3, 2015)

**SUBPART  
KKKK STANDARDS OF PERFORMANCE FOR STATIONARY  
COMBUSTION TURBINES**

(71FR38482, July 6, 2006) (Amended April 6, 2007)  
(74FR11858, March 20, 2009) (Amended March 5, 2010)

**SUBPART  
LLLL STANDARDS OF PERFORMANCE FOR SLUDGE  
INCINERATION UNITS**

(76FR15372, March 21, 2011) (Amended April 6, 2012)

**SUBPART  
OOOO STANDARDS OF PERFORMANCE FOR CRUDE OIL  
AND NATURAL GAS PRODUCTION, TRANSMISSION,  
AND DISTRIBUTION**

(77FR49490, August 16, 2012) (Amended April 3, 2015)  
(79FR79018, December 31, 2014) (Amended April 3, 2015)  
(80FR48262, August 12, 2015) (Amended Date of Adoption)

**SUBPART  
OOOOa STANDARDS OF PERFORMANCE FOR CRUDE OIL AND  
NATURAL GAS FACILITIES FOR WHICH  
CONSTRUCTION, MODIFICATION, OR  
RECONSTRUCTION COMMENCED AFTER SEPTEMBER  
18, 2015**

(81FR35823, June 3, 2016)

(Amended Date of Adoption)

**SUBPART                    STANDARDS OF PERFORMANCE FOR NEW**  
**QQQQ                        RESIDENTIAL WOOD HEATERS, NEW RESIDENTIAL**  
**HYDRONIC HEATERS AND FORCED-AIR FURNACES**

(80FR13671, March 16, 2015)

(Amended Date of Adoption)

**SUBPART                    STANDARDS OF PERFORMANCE FOR GREENHOUSE**  
**TTTT                        GAS EMISSIONS FROM NEW, MODIFIED, AND**  
**RECONSTRUCTED STATIONARY SOURCES: ELECTRIC**  
**UTILITY GENERATING UNITS**

(80FR64509, October 23, 2015)

(Amended Date of Adoption)

**APPENDIX A-1    TEST METHODS 1 THROUGH 2F**

(79FR11228, February 27, 2014)

(Amended April 3, 2015)

**APPENDIX A-2    TEST METHODS 2G THROUGH 3C**

(79FR11228, February 27, 2014)

(Amended April 3, 2015)

**APPENDIX A-3    TEST METHODS 4 THROUGH 5I**

(79FR11228, February 27, 2014)

(Amended April 3, 2015)

**APPENDIX A-4    TEST METHODS 6 THROUGH 10B**

(79FR11228, February 27, 2014)

(Amended April 3, 2015)

**APPENDIX A-5    TEST METHODS 11 THROUGH 15 A**

(79FR11228, February 27, 2014)

(Amended April 3, 2015)

**APPENDIX A-6    TEST METHODS 16 THROUGH 18**

(79FR11228, February 27, 2014)

(Amended April 3, 2015)

**APPENDIX A-7 TEST METHODS 19 THROUGH 25E**

(79FR11228, February 27, 2014) (Amended April 3, 2015)

**APPENDIX A-8 TEST METHODS 26 THROUGH 30B**

(79FR11228, February 27, 2014) (Amended April 3, 2015)

**APPENDIX B PERFORMANCE SPECIFICATIONS**

(79FR11228, February 27, 2014) (Amended April 3, 2015)

**APPENDIX F QUALITY ASSURANCE PROCEDURES**

(79FR11228, February 27, 2014) (Amended April 3, 2015)



## ATTACHMENT D

<b>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</b>
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### **Final Staff Report**

### **Proposed Amended Regulation IX - Standards of Performance for New Stationary Sources**

**October 2016**

**Deputy Executive Officer**  
**Planning, Rule Development and Area Sources**  
Philip M. Fine, Ph.D.

**Acting Assistant Deputy Executive Officer**  
**Planning, Rule Development and Area Sources**  
Susan Nakamura

**Planning and Rules Manager**  
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Carol Gomez

---

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Elaine Shen - Program supervisor  
Sam Wang - Air Quality Specialist

**Reviewed By:** Barbara Baird - Chief Deputy Counsel  
Kathryn Higgins - Program Supervisor  
William Wong - Principal Deputy District Counsel

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
GOVERNING BOARD**

Chairman: DR. WILLIAM A. BURKE  
Speaker of the Assembly Appointee

Vice Chairman: BEN BENOIT  
Councilmember, Wildomar  
Cities of Riverside County

**MEMBERS:**

MICHAEL D. ANTONOVICH  
Supervisor, Fifth District  
County of Los Angeles

JOHN J. BENOIT  
Supervisor, Fourth District  
County of Riverside

JOE BUSCAINO  
Councilmember, 15<sup>th</sup> District  
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Cities of Los Angeles County/Eastern Region

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Governor's Appointee

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Cities of San Bernardino County

JUDITH MITCHELL  
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Cities of Los Angeles County/Western Region

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County of Orange

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DWIGHT ROBINSON  
Councilmember, Lake Forest  
Cities of Orange County

JANICE RUTHERFORD  
Supervisor, Second District  
County of San Bernardino

**ACTING EXECUTIVE OFFICER**

WAYNE NASTRI

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## I. EXECUTIVE SUMMARY

U.S. EPA periodically promulgates new or amends existing Standards of Performance for New Stationary Sources and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) govern the operations of all new, modified, or reconstructed sources of air pollution identified in the Code of Federal Regulations (CFR), Title 40, Chapter I, Subchapter C, Part 60 (40 CFR Part 60). NESHAP govern the operations of new and existing sources identified in the CFR, Title 40, Chapter I, Subchapter C, Part 61 (40 CFR Part 61) that emit substances designated as hazardous air pollutants pursuant to §112 of the Clean Air Act (CAA) Amendments.

To directly implement NSPS and NESHAP requirements at the local level as authorized by U.S. EPA pursuant to §301 and §§ 110, 111(c)(1), and 112(d)(1) of the CAA, SCAQMD's Board initially adopted various NSPS by reference as Regulation IX and various NESHAP as Regulation X on December 3, 1976. The adoption of NSPS and NESHAP by reference into Regulations IX and X, respectively, provides stationary sources with a single source of information for determining appropriate federal and local requirements for their specific operations. The NSPS and NESHAP standards are in effect and enforceable by SCAQMD regardless of whether SCAQMD incorporates them into Regulations IX and X. The Board has ~~since~~ periodically amended Regulations IX and X to incorporate new or amended standards as necessary. Regulation IX and Regulation X were last amended April 3, 2015. Since then, the U.S. EPA has adopted various NSPS standards, and so Regulation IX is proposed to be amended. However, Regulation X is not proposed to be amended this time as there were no delegable NESHAP actions adopted by the U.S. EPA between January 1, 2015 and June 15, 2016.

In 1997, U.S. EPA delegated and/or re-delegated its authority to SCAQMD for specific sections of 40 CFR Parts 60 and 61. In 2006, 2007, 2009, 2010, 2011, and 2012, SCAQMD requested and received U.S. EPA delegation and re-delegation of authority for specific sections of 40 CFR Part 60 and/or Part 61 following Regulation IX and/or X amendments. SCAQMD will seek U.S. EPA delegation and re-delegation of such authority for specific sections of Part 60 and/or Part 61 that were not previously requested.

Pursuant to the 1990 Amendments to the federal CAA, U.S. EPA has established maximum achievable control technology (MACT) standards for new and existing major sources of hazardous air pollutants. The MACT standards are published in CFR, Title 40, Chapter I, Subchapter C, Part 63 (40 CFR Part 63). U.S. EPA delegated the authority for the implementation and enforcement of 40 CFR Part 63 to SCAQMD on February 27, 1997. However, SCAQMD has not established a separate regulation to incorporate the MACT standards by reference. Instead, the MACT standards are directly implemented through SCAQMD's Regulation XXX – Title V Permits, in accordance with U.S. EPA's federal Title V program

requirements in CFR, Title 40, Chapter 1, Subchapter C, Part 70 – State Operating Permit Programs Categories (40 CFR Part 70).

## **II. BACKGROUND**

On December 3, 1976, SCAQMD's Board initially adopted various NSPS by reference as Regulation IX and various NESHAP as Regulation X. The adoption of NSPS and NESHAP by reference into Regulations IX and X, respectively, provides stationary sources with a single source of information for determining appropriate federal and local requirements for their specific operations. Since sources of air pollution are required to comply with the most stringent federal, state, and local standards, criteria, and requirements set forth in Regulations IX and X and other applicable SCAQMD rules, the NSPS and NESHAP standards are in effect and enforceable by SCAQMD regardless of whether SCAQMD incorporates them into Regulations IX and X. The Governing Board has since periodically amended Regulations IX and X to incorporate new or amended standards as necessary. Regulation IX and Regulation X were last amended April 3, 2015.

In 1997, U.S. EPA delegated and/or re-delegated its authority to SCAQMD for specific sections of 40 CFR Parts 60 and 61, as listed in the April 23, 1997 Federal Register, Volume 62, No. 78, 19679 – 19682. In 2006, 2007, 2009, 2010, 2011, and 2012, SCAQMD subsequently requested and received U.S. EPA delegation and/or re-delegation of authority for specific sections of 40 CFR Part 60 and/or Part 61 following Regulation IX and/or X amendments. SCAQMD will seek U.S. EPA delegation and re-delegation of such authority for specific sections of Part 60 and/or Part 61 that were not previously requested.

## **III. LEGAL AUTHORITY**

Pursuant to §301 and §§110, and 111(c)(1) of the CAA, U.S. EPA is authorized to delegate authority to implement and enforce standards and related compliance periods for new, modified, or reconstructed sources of air pollution set forth in 40 CFR Part 60, to local air districts.

Adoption of new and amended NSPS into SCAQMD Regulation IX, by reference, formally recognizes SCAQMD's authority to assist in the implementation and enforcement of these federal regulations at the local level.

The SCAQMD also has its authority to adopt, amend, or repeal rules and regulations for criteria pollutants from Health and Safety Code §§39002, 40000, 40001, 40440, 40441, 40702, and 40725 through 40728.

## **IV. PROPOSED AMENDMENTS**

The updates included in this proposal reflect federal actions primarily between January 1, 2015 and June 15, 2016. One new NSPS for GHGs (in particular, methane emission limitations) and VOC emissions was promulgated in 2016 by

U.S. EPA for various oil and natural gas sources, which include: (1) GHG and VOC requirements for current unregulated sources (e.g., oil well completions, pneumatic pumps, well sites and compressor stations); (2) current regulated sources for VOC, but not for GHGs (e.g., gas well completions and equipment leaks at natural gas processing plants); and (3) GHG and VOC requirements for a subset of current regulated ~~subset of~~ equipment (e.g., pneumatic controllers, and centrifugal and reciprocal compressors, except for those at well sites.)

In 2015, a new NSPS for PM emissions for new hydronic heaters and forced-air furnaces, and a new NSPS for GHGs manifested as carbon dioxide CO<sub>2</sub> from new, modified, and reconstructed fossil fuel-fired electric utility steam generating units (EGUs) and stationary combustion turbines were also promulgated by U.S. EPA. The CO<sub>2</sub> standards are for new, modified, and reconstructed sources, and are not included in the controversial “Clean Power Plan” for existing sources which has been stayed by U.S. Supreme Court (40 CFR Part 60 Subpart UUUU (111d, existing plants)). Although not being adopted by reference per SCAQMD Rule 1714 – Prevention of Significant Deterioration for Greenhouse Gases, the new NSPS for GHGs from EGUs and stationary combustion turbines have been incorporated into SCAQMD’s permit conditions that are under review by the U.S. EPA under the Title V Program for~~to~~ power plants in the SCAB.

In addition, five delegable NSPS actions were amended by U.S. EPA during the time period between January 1, 2015 and June 15, 2016. They are: (1) Updated emission limits, eliminated a broad exemption, and strengthened test methods for new residential wood heaters; (2) Revised procedures for daily average PM compliance calculation for utility generating units using continuous emission monitoring systems (CEMS); (3) Added temperature parameter to start up and shut down requirements, and provide scaling alternative for sources with wet scrubber, tray tower, or dry scrubber at Portland cement plants; (4) Revised NSPS for process heaters and flares at petroleum refineries; and (5) Revised provisions for~~of~~ low pressure gas well and storage vessels to lower the potential to emit (PTE) of individual storage vessels from crude oil & natural gas production. The U.S. EPA updated provisions for new residential wood heaters will not trigger amendments to SCAQMD Rule 445 – Wood Burning Devices. The rule provisions currently include performance and emissions standards adopted by U.S. EPA on or after February 28, 1988.

In addition, U.S. EPA also included minor revisions and clarifications to various subparts of 40 CFR Part 60. Since U.S. EPA does not delegate emission guidelines to the SCAQMD, the subparts related to emission guidelines are not listed for inclusion in the proposed amendments.

Table 1 lists the NSPS currently proposed for incorporation by reference into SCAQMD Regulation IX.

**Table 1 - NSPS Proposed for Incorporation into Regulation IX**

<b>40 CFR Part 60</b>	<b>Title</b>	<b>U.S. EPA Action (date)</b>	<b>Reference</b>	<b>New Promulgation, Amendment, and Affected Provision</b>
Subpart Da	NSPS for Electric Utility Steam Generating Units	Final Rule (April 6, 2016)	81 FR 20171, Vol. 81, No. 66	Daily average PM compliance calculation for utility generating units using continuous emission monitoring systems (CEMS)
Subpart F	NSPS for Portland Cement Plants	Final Amendment, (July 27, 2015)	80 FR 44771, Vol. 80, No. 143	Temperature parameter for startup and shut down requirements, and scaling alternative for sources with wet scrubber, tray tower, or dry scrubber at Portland cement plants
Subparts J and Ja	NSPS for Petroleum Refineries	Final Rule (December 1, 2015)	80 FR 75177, Vol. 80, No. 230	Revised NSPS for process heaters and flares at petroleum refineries
Subpart AAA	NSPS for New Residential Wood Heaters	Final Rule (March 16, 2015)	80 FR 13671, Vol. 80, No. 50	Updated emission limits, eliminated broad exemption, and strengthened test methods for new residential wood heaters
Subpart OOOO	NSPS for Crude Oil and Natural Gas Production	Final Rule (August 12, 2015)	80 FR 48262, Vol. 80, No. 155	Lowered potential to emit (PTE) of individual storage vessels from crude oil & natural gas production
Subpart OOOOa	NSPS for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After September 18, 2015	Final Rule (June 3, 2016)	81 FR 35823, Vol. 81, No. 107	<b>New NSPS for GHGs</b> (methane emission limitations) <b>and VOC</b> emissions for various oil and natural gas sources: (1) GHGs and VOC for current unregulated sources <del>stations</del> ; (2) current regulated sources for VOC, but not for GHGs; and (3) GHGs and VOC <u>for a subset of current regulated subset of equipment</u>

**Table 1 - NSPS Proposed for Incorporation into Regulation IX (cont.)**

<b>40 CFR Part 60</b>	<b>Title</b>	<b>U.S. EPA Action (date)</b>	<b>Reference</b>	<b>New Promulgation, Amendment, and Affected Provision</b>
Subpart QQQQ	NSPS for New Residential Wood Heaters, New Residential Hydronic Heaters and Forced-Air Furnaces	Final Rule (March 16, 2015)	80 FR 13671, Vol. 80, No. 50	<b>New PM standards</b> for new residential hydronic heaters and forced-air furnaces
Subpart TTTT	NSPS for Greenhouse Gas Emissions From New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units	Final Rule (October 23, 2015)	80 FR 64509, Vol. 80, No. 205	<b>New NSPS for GHGs (CO<sub>2</sub>)</b> from fossil fuel-fired electric utility steam generating units (EGUs) and stationary combustion turbines

## V. SOCIOECONOMIC ASSESSMENT

The proposed ~~NSPS~~ amendments to incorporate NSPS requirements by reference into of Regulation IX does not impose new requirements beyond existing and enforceable federal regulations, and thus, do not significantly affect air quality or emissions limitations beyond U.S. EPA's analysis. As such, there will be no socioeconomic impacts beyond what was identified for the federal NSPS standards and requirements.

## VI. CEQA ANALYSIS

The SCAQMD has reviewed the proposed ~~amendments to Regulation IX~~ project pursuant to CEQA Guidelines §15002 (k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA ~~and per~~ CEQA Guidelines §15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA.

~~Since~~Because the SCAQMD is proposing to incorporate federal NSPS requirements ~~which are already applicable to the affected sources by reference into Regulation IX, it~~ the SCAQMD had determined that it can be seen with certainty ~~that the proposed project there is~~ has no potential possibility that the proposed project may have any significant effects to adversely impact air quality or on the any other environmental topic area and is therefore, As such, the ~~proposed project is exempt from CEQA pursuant to CEQA Guidelines §15061(b)(3) – Activities Covered By General Rule.~~ A Notice of Exemption has



been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

## **VII. FINDINGS UNDER THE HEALTH AND SAFETY CODE**

Health and Safety Code Section 40727 requires the SCAQMD to adopt written findings of necessity, authority, clarity, consistency, non-duplication and reference.

### **Necessity**

The SCAQMD Governing Board has determined that a need exists to amend Regulation IX to provide a mechanism for local enforcement and provide information to affected facilities of these federal standards.

### **Authority**

The SCAQMD Governing Board obtains its authority to adopt, amend, or repeal rules and regulations from §§ 39002, . 40000, 40001, 40440, 40441, 40702, and 40725 through 40728 of the Health and Safety Code.

### **Clarity**

The SCAQMD Governing Board has determined that the proposed amendments to Regulation IX are written or displayed so that their meanings can be easily understood by the persons directly affected by them.

### **Consistency**

The SCAQMD Governing Board has determined that the proposed amendments to Regulation IX are in harmony with, and not in conflict with or contradictory to, existing statutes, court decisions, or state or federal regulations.

### **Non-Duplication**

The SCAQMD finds that the proposed amendments to Regulation IX represent an adoption by reference of federal NSPS requirements, and thus are necessary and proper to execute the duties imposed on the SCAQMD by allowing local enforcement of these federal requirements, and that the proposed amendments to Regulation IX fall within the criteria and requirements in Health and Safety Code §40727.2(g), such that a comparative analysis is not required.

### **Reference**

The SCAQMD Governing Board, in adopting amendments to Regulation IX, references the following statutes which the SCAQMD hereby implements, interprets, or makes specific: Title 42 U.S.C. Section 7411 (performance standards for new stationary sources), Health and Safety Code §§ 40001(a) (air quality standards), 40001 (b) (air pollution episodes), 40440 (a) (rules to carry out plan), 40702 (adopt regulations to execute duties), and 42301 (permit system).

As the proposed amendments reference existing 40 CFR Part 60 standards, an analysis of alternatives, comparative analysis or incremental cost analysis is not necessary.

### **VIII. CONCLUSION AND RECOMMENDATION**

Proposed amendments to Regulation IX adopt by reference existing 40 CFR Part 60 standards. Such actions in the past have provided stationary facilities with a single source of information for determining which federal, as well as local, requirements apply to their specific operations. The proposed amendments will continue this practice. The proposed amendments will not be submitted into the SIP, rather staff will request delegation for the new and re-delegation for the amended federal standards, if necessary.

# ATTACHMENT E



## South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182  
(909) 396-2000 • www.aqmd.gov

**SUBJECT: NOTICE OF EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT**

**PROJECT TITLE: PROPOSED AMENDED REGULATION IX - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES**


Pursuant to the California Environmental Quality Act (CEQA) Guidelines, the South Coast Air Quality Management District (SCAQMD) is the Lead Agency and has prepared a Notice of Exemption for the project identified above.

The proposed project is amending Regulation IX – Standards of Performance for New Stationary Sources (NSPS), to conform with federal requirements. SCAQMD staff has reviewed the proposed project pursuant to CEQA Guidelines §15002 (k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA per CEQA Guidelines §15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA.

Because the SCAQMD is proposing to incorporate federal NSPS requirements by reference into Regulation IX, without exercising discretion with regard to the proposed amendments, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines §15061 (b)(3) – Activities Covered by General Rule. A Notice of Exemption has been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. If the proposed project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

Any questions regarding this Notice of Exemption should be sent to Sam Wang (c/o Planning, Rule Development and Area Sources) at the above address. Mr. Wang can also be reached at (909) 396-2649. Ms. Tuyet-le Pham is also available at (909) 396-3299 to answer any questions regarding the proposed amendments.

**Date:** August 17, 2016

**Signature:**   
Barbara Radlein  
Program Supervisor, CEQA Section  
Planning, Rules, and Area Sources

## NOTICE OF EXEMPTION

---

**To:** County Clerks  
Counties of Los Angeles, Orange,  
Riverside and San Bernardino

**From:** South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

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**Project Title:**

Proposed Amended Regulation IX – Standards of Performance for New Stationary Sources

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**Project Location:**

The SCAQMD has jurisdiction over the four-county South Coast Air Basin (all of Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties), and the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The SCAQMD's jurisdiction includes the federal nonattainment area known as the Coachella Valley Planning Area, which is a sub-region of Riverside County and the SSAB.

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**Description of Nature, Purpose, and Beneficiaries of Project:**

The purpose of the proposed amendments is to incorporate by reference federal New Source Performance Standards (NSPS) into Regulation IX. The incorporation by reference of NSPS requirements into Regulation IX recognizes the SCAQMD's authority to implement and enforce the federal regulations at the local level.

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**Public Agency Approving Project:**

South Coast Air Quality Management District

**Agency Carrying Out Project:**

South Coast Air Quality Management District

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**Exempt Status:**

CEQA Guidelines §15002 (k) - General Concepts (Three Step Process)

CEQA Guidelines §15061 (b)(3) – Activities Covered by General Rule

CEQA Guidelines §15062 - Notice of Exemption

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**Reasons why project is exempt:**

The SCAQMD has reviewed the proposed amendments to Regulation IX pursuant to CEQA Guidelines §15002 (k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA and CEQA Guidelines §15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. Since the SCAQMD is proposing to incorporate federal NSPS requirements by reference into Regulation IX, it can be seen with certainty that the proposed project has no potential to adversely impact air quality or any other environmental topic area. As such, the proposed project is exempt from CEQA pursuant to CEQA Guidelines §15061 (b)(3). A Notice of Exemption has been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

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**Date When Project Will Be Considered for Approval (subject to change):**

SCAQMD Governing Board Hearing: October 7, 2016; SCAQMD Headquarters

---

**CEQA Contact Person:**

Mr. Sam Wang

**Phone Number:**

(909) 396-2649

**Fax Number:**

(909) 396-3324

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[swang1@aqmd.gov](mailto:swang1@aqmd.gov)

---

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---

**Date Received for Filing:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

*(Signed Upon Project Approval)*

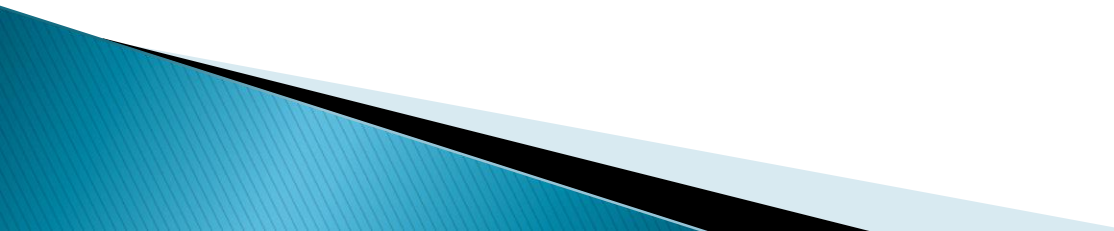
Barbara Radlein  
Program Supervisor, CEQA Section  
Planning, Rule Development & Area Sources

**ATTACHMENT F**

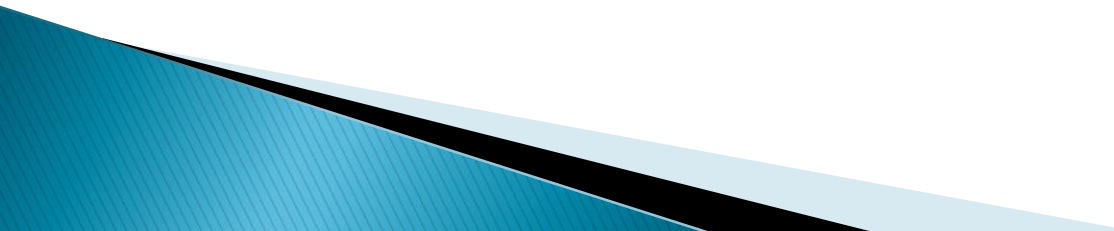
**Proposed Amended  
Regulation IX**

SCAQMD Governing Board Meeting  
October 7, 2016

# Background

- ▶ Periodically updated to reflect recent EPA actions
  - ▶ Incorporated by reference, standards already in effect
  - ▶ Delegated by U.S. EPA to SCAQMD for enforcement
  - ▶ Provide assistance to businesses with applicable requirements
- 

# Regulation IX – New Source Performance Standards (NSPS)

- ▶ Code of Federal Regulation (CFR) 40 Part 60
  - ▶ NSPS – new, modified, or reconstructed source of air pollution
  - ▶ Promulgation of three new standards (including those for GHGs)
  - ▶ Five actions to amend existing standards
- 

# NSPS

## ➤ Three New Standards

- Subpart OOOOa
  - ✓ New GHG (methane emission limitations) and VOC standards for current unregulated sources
  - ✓ New GHG and VOC standards for subset of current regulated equipment
  - ✓ New GHG standards for current regulated VOC sources
- Subpart QQQQ
  - ✓ New PM standards for new residential hydronic heaters and forced-air furnaces
- Subpart TTTT
  - ✓ New GHG (CO<sub>2</sub>) standards for electric utility steam generating units (EGUs) and stationary combustion turbines



# NSPS

- ▶ Amendments to Existing Standards
  - Electric utility steam generating units (Subpart Da)
  - Portland cement plants (Subpart F)
  - Petroleum refineries (Subparts J and Ja)
  - New residential wood heaters (Subpart AAA)
  - Crude oil & natural gas production (Subpart OOOO)

# Recommended Actions

- ▶ Adopt the resolution:
  - Amending Regulation IX
  - Determining that proposed amendments to Regulation IX are exempt from the California Environmental Quality Act (CEQA)