

Eastern Kern Air Pollution Control District

Rule 422 NEW SOURCE PERFORMANCE STANDARDS (NSPS)

AND

RULE 423 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS AND SOURCE CATEGORIES (NESHAPs)

FINAL STAFF REPORT

January 13, 2022

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I. BOARD ADOPTION

The Eastern Kern Air Pollution Control District (District) Governing Board adopted amendments to Rule 422, New Source Performance Standards (NSPS) and Rule 423, National Emission Standards for Hazardous Air Pollutants and Source Categories (NESHAPS) at an open hearing on January 13, 2022. The meeting was held at the District Board Chambers located at 414 W. Tehachapi Boulevard Suite D Tehachapi, CA 93561 and beginning at the hour of 2 PM.

A Notice of Public Hearing was duly published 30 days prior to this hearing in adjudicated newspapers: the Mojave Desert News, the Daily Independent, Tehachapi News, and the Bakersfield Californian. The notice requested written comments on the proposed Rule amendments and associated staff report by January 12, 2022. No comments were received.

Amended Rules 422 and 423 became effective and enforceable upon adoption. Copies of Amended Rules 422 and 423 have been submitted to the California Air Resources Board (CARB) for review.

II. INTRODUCTION

The primary reason for amending Rules 422 and 423 is to update the source categories and standards promulgated by the U.S. Environmental Protection Agency (EPA). This staff report presents the proposed amendments made to both Rules.

On October 20, 2021, the District held a public rule development workshop at the District Board Chambers in Tehachapi to present proposed amendments to Rules 422 and 423. A 30-day public review and comment period followed the workshop, which ended November 19, 2021. The District received no comments.

Appendix A: Amended: Rule 422 New Source Performance Standards (NSPS).

Appendix B: Amended: Rule 422 New Source Performance Standards (NSPS) (Strikeout underline).

Appendix C: Amended: Rule 423 National Emission Standards for Hazardous Air Pollutants and Source Categories (NESHAPS).

Appendix D: Amended: Rule 423 National Emission Standards for Hazardous Air Pollutants and Source Categories (NESHAPS) (Strikeout underline).

III. BACKGROUND

The federal Clean Air Act (FCAA) requires EPA to establish New Source Performance Standards (NSPS) for sources emitting pollutants that affect national ambient air quality standards (NAAQS). Sources constructed or significantly modified after applicability date(s) are subject to the conditions of the appropriate standard.

The FCAA also requires EPA to develop standards for Hazardous Air Pollutants (HAP) based on stringent air pollution measures known as Maximum Achievable Control Technology (MACT). MACT standards are titled as “National Emission Standard for Hazardous Air Pollutants” (NESHAP) in the Code of Federal Regulations. These standards are separated by source categories.

Facilities that emit HAP are divided into two categories: major sources and area sources. Major sources are defined as facilities with emissions greater than 10 tons per year (tpy) of any single HAP or 25 tpy of combined HAPs; area sources are defined as facilities that emit HAP that are not major sources. Major Sources and some area source are subject to MACT standards. EPA promulgates new standards and revisions to existing standards as needed. The authority to implement and enforce these standards is delegated to local air pollution control districts on a case-by-case basis.

Rule 422 incorporates by reference the NSPS as promulgated by EPA and codified into 40 CFR Parts 60. Rule 423 incorporates by reference the NESHAPs as promulgated by EPA and codified into 40 CFR Parts 61 and 63.

EPA develops and adds new source categories to the NSPS and NESHAP as needed. Therefore, the District periodically reviews 40 CFR Parts 60, 61 and 63, for newly delegated source categories to include in Rules 422 and 423. Amendments to Rules 422 and 423 reflect revisions to the NSPS and NESHAP up to July 6, 2021.

IV. PROPOSED REVISIONS TO RULE 422

Staff is proposing to amend Rule 422 to incorporate the following revised and new NSPS Subparts as promulgated by U.S. EPA.

40 CFR 60

Updated Subpart Titles:

- Ea, Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994 (Not Delegated)
- Eb, Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996 (Not Delegated)

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- Ec, Hospital/Medical/Infectious Waste Incinerators (Not Delegated)
- I, Hot Mix Asphalt Facilities
- VV, Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006
- GGG, 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
- KKK, Onshore Natural Gas Processing: Equipment Leaks of VOC
- WWW, Municipal Solid Waste Landfills That Commenced Construction Reconstruction, or Modification on or After May 30, 1991 or Before July 18, 2014
- CCCC, Commercial and Industrial Solid Waste Incineration Units For Which Construction is Commenced after June 4, 2010 of for Which Modification or Reconstruction is Commenced After August 7, 2013 (Not Delegated)
- DDDD, Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units the Commenced Construction on or Before June 4, 2010 of for Which Modification or Reconstruction is Commenced on or Before August 7, 2013 (Not Delegated)
- HHHH, (Reserved)

Added Subparts:

- Ba, Adoption and Submittal of State Plans for Designated Facilities (Not Delegated)
- Cf, Compliance Times for Municipal Solid Waste Landfills (Not Delegated)
- BBa, Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013 (Not Delegated)
- XXX, Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014 (Not Delegated)
- YYY, (Reserved)
- ZZZ, (Reserved)
- MMMM, Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units (Not Delegated)
- NNNN, (Reserved)
- OOOO, Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015 (Not Delegated)
- OOOOa, Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 (Not Delegated)
- PPPP, (Reserved)

- QQQQ, Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces (Not Delegated)
- TTTT, Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units (Not Delegated)
- UUUUa, Emission Guidelines for Greenhouse Gas Emissions From Existing Electric Utility Generating Units (Not Delegated)

See Appendix A for all proposed changes to Rule 422.

V. PROPOSED REVISIONS TO RULE 423

Staff is proposing to amend Rule 423 to incorporate the following revised and new NESHAP Subparts as promulgated by U.S. EPA.

40 CFR 61

Updated Subpart Titles:

- H, Emissions of Radionuclides Other Than Radon From Department of Energy Facilities (Not Delegated)
- I, Radionuclide Emissions From Federal Facilities Other Than Nuclear Regulatory Commission Licensees and Federal Facilities not Covered by Subpart H (Not Delegated)
- Q, Radon Emissions From Department of Energy Facilities (Not Delegated)
- R, Radon Emissions From Phosphogypsum Stacks (Not Delegated)
- T, Radon Emissions From the Disposal of Uranium Mill Tailings (Not Delegated)

40 CFR 63

Updated Subpart Titles:

- U, Group I Polymers and Resins (Elastomers)
- W, Epoxy Resins Production and Non-Nylon Polyamides Production
- JJJ, Group IV Polymers and Resins (thermoplastics)
- LLL, Portland Cement Manufacturing Industry
- OOO, Manufacture of Amino/Phenolic Resins
- JJJJ, Paper and Other Web Coating
- KKKK, Surface Coating of Metal Cans
- MMMM, Surface Coating of Miscellaneous Metal Parts and Products
- NNNN, Surface Coating of Large Appliances
- OOOO, Printing, Coating, and Dyeing of Fabrics and Other Textiles
- PPPP, Surface Coating of Plastic Parts and Products
- QQQQ, Surface Coating of Wood Building Products
- RRRR, Surface Coating of Metal Furniture
- YYYYY, Stationary Combustion Turbines
- DDDDD Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

- FFFFF Integrated Iron and Steel Manufacturing Facilities
- IIIII, Mercury Cell Chlor-Alkali Plants
- QQQQQ, Friction Materials Manufacturing Facilities
- JJJJJ Industrial, Commercial, and Institutional Boilers: Area Sources
- DDDDD, Prepared Feeds Manufacturing Area Sources

Added Subparts:

- IIII, Surface Coating of Automobiles and Light-Duty Trucks

See Appendix B for all proposed changes to Rule 423.

VI. DELEGATIONS

The sections below list the Subparts that have not been delegated to the District.

40 CFR Part 60 NSPS

The following provisions of Subpart A, General Provisions are not delegated: Sections 60.4(b), 60.8(b), 60.9, 60.11(b), 60.11(e), 60.13(a), 60.13(d)(2), 60.13(g), and 60.13(i).

Subparts B, Ba, and Subpart C (NSPS Subparts Ca - Cf) have not been delegated to state and local agencies. Subparts B and C describe requirements for states to adopt and submit plans for designated facilities. These State Plans must be reviewed and approved by EPA. The authority to approve State Plans cannot be delegated to states.

In addition, the following Subparts of 40 CFR Part 60 have not been delegated:

- Ea, Municipal Waste Combustors constructed after December 20, 1989 and on or Before September 20, 1994
- Eb, Large Municipal Waste Combustors constructed after September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996
- Ec, Hospital/Medical/Infectious Waste Incinerators constructed after June 20, 1996
- H, Sulfuric Acid Plants
- Ja, Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
- BBa, Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013 (Not Delegated)
- VVa, Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006
- XX, Bulk Gasoline Terminals

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- GGGa, Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006
- TTT, Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines
- XXX, Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014
- AAAA, Small Municipal Waste Combustion Units for Which Combustion is Commenced After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001
- BBBB, Small Municipal Waste Combustion Units Constructed on or Before August 30, 1999
- CCCC, Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced on or After June 1, 2001
- DDDD, Commercial and Industrial Solid Waste Incineration Units that Commenced Construction on or Before November 30, 1999
- EEEE, Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004, or for Which Modification or Reconstruction is Commenced on or After June 16, 2006
- FFFF, Other Solid Waste Incineration Units That Commenced Construction On or Before December 9, 2004
- IIII, Stationary Compression Ignition Internal Combustion Engines
- JJJJ, Stationary Spark Ignition Internal Combustion Engines
- KKKK, Stationary Combustion Turbines
- LLLL, New Sewage Sludge Incineration Units
- MMMM, Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units (Not Delegated)
- NNNN, (Reserved)
- OOOO, Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015 (Not Delegated)
- OOOOa, Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 (Not Delegated)
- PPPP, (Reserved)
- QQQQ, Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces (Not Delegated)
- TTTT, Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units (Not Delegated)
- UUUUa, Emission Guidelines for Greenhouse Gas Emissions From Existing Electric Utility Generating Units (Not Delegated)

40 CFR Part 61 NESHAP

The following provisions of Subpart A, General Provisions have not been delegated to California Air Districts: Sections 61.04(b), 61.04(c), 61.05(c), 61.11, 61.12(d), 61.13(h)(1)(ii), 61.14(d), 61.14(g)(1)(ii), and 61.16.

In addition, the following Subparts of 40 CFR Part 61 have not been delegated:

- B, Radon Emissions from Underground Uranium Mines
- H, Department of Energy Facilities
- I, Federal Facilities Other Than Nuclear Regulatory Commission Licensees and Federal Facilities not Covered by Subpart H
- K, Radionuclide Emissions From Elemental Phosphorus Plants
- Q, Radon Emissions From Department of Energy Facilities
- R, Radon Emissions From Phosphogypsum Stacks
- T, Radon Emissions From the Disposal of Uranium Mill Tailings
- W, Radon Emissions From Operating Mill Tailings

40 CFR Part 63 NESHAP (MACT Standards)

The following provisions of Subpart A, General Provisions are not delegated:

- Section 63.6(g), Approval of Alternative Non-Opacity Emission Standards;
- Section 63.6(h)(9), Approval of Alternative Opacity Standards;
- Sections 63.7(e)(2)(ii) and (f), Approval of Major Alternatives to Test Methods;
- Section 63.8(f), Approval of Major Alternatives to Monitoring;
- Section 63.10(f), Approval of Major Alternatives to Recordkeeping and Reporting;
- plus any other provisions specifically identified as non-delegable in each individual standard;

Subparts B, C, D, and E are not delegated to state and local agencies.

VII. ECONOMIC IMPACT

Amending Rule 422, Standards of Performance for New Stationary Sources and Amending Rule 423, National Emission Standards for Hazardous Air Pollutants and Source Categories (NESHAPS) pose no significant cost to industry.

VIII. SOCIOECONOMIC IMPACTS

CH & SC Section 40728.5 exempts districts with a population of less than 500,000 persons from the requirement to assess the socioeconomic impacts of proposed rules. Eastern Kern County population is below 500,000 persons.

IX. ENVIRONMENTAL IMPACTS

No significant environmental impacts are expected as a result of amending Rule 422, New Source Performance Standards (NSPS) and Rule 423, National

Emission Standards for Hazardous Air Pollutants and Source Categories (NESHAPs). Pursuant to the Section 15061, Subsections (2) & (3) of the California Environmental Quality Act (CEQA) Guidelines, staff will prepare a Notice of Exemption for this project.

X. RULE CONSISTENCY ANALYSIS

Pursuant to California Health and Safety Code Section 40727.2 (g), a rule consistency analysis of proposed amended Rule 422 and proposed amended Rule 423 is not required. District adopts the amendments to the federal requirements by reference.

REFERENCES

Electronic Code of Federal Regulations. "Title 40 Protection of Environment." Part 60, Standards of Performance for New Stationary Sources. GPO Accessed 7/6/2021.

Electronic Code of Federal Regulations. "Title 40 Protection of Environment." Part 61, National Emission Standards for Hazardous Air Pollutants. GPO Accessed 7/6/2021.

Electronic Code of Federal Regulations. "Title 40 Protection of Environment." Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories. GPO Accessed 7/7/2021.

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APPENDIX A

AMENDED RULE 422

NEW SOURCE PERFORMANCE STANDARDS (NSPS)

Rule 422 – Amended

RULE 422 **New Source Performance Standards (NSPS)** - Amended 7/13/92, 4/19/93, 12/1/94, 11/14/96, 11/10/99, 1/9/03, 1/13/11, 1/11/18, 1/13/22

Provisions of Part 60, Chapter 1, Title 40, Code of Federal Regulations, in effect October 10, 2017, are hereby adopted by reference and made a part hereof. All new and modified sources shall comply with standards, criteria and requirements set forth therein.

For purposes of this Rule, the word "Administrator" as used in Title 40, Chapter 1, Part 60, Code of Federal Regulations, shall mean the Control Officer of the Eastern Kern Air Pollution Control District (District), except the Control Officer shall not be empowered to approve alternate or equivalent test methods or standards/work practices.

This Rule incorporates the following provisions of 40 CFR Part 60; implementation delegation has been granted to the District by U.S. EPA for all Subparts except those noted:

40 CFR 60:

| Subpart | Description |
|----------------|--|
| A | General Provisions |
| B | Adoption and Submittal of State Plans for Designated Facilities (Not Delegated) |
| Ba | Adoption and Submittal of State Plans for Designated Facilities (Not Delegated) |
| C | Emission Guidelines and Compliance Times (Not Delegated) |
| Ca | (Reserved) |
| Cb | Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994 (Not Delegated) |
| Cc | Compliance Times for Municipal Solid Waste Landfills (Not Delegated) |
| Cd | Sulfuric Acid Production Units (Not Delegated) |
| Ce | Hospital/Medical/Infectious Waste Incinerators (Not Delegated) |
| Cf | Compliance Times for Municipal Solid Waste Landfills (Not Delegated) |
| D | Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 |
| Da | Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 |
| Db | Industrial-Commercial-Institutional Steam Generating Units |
| Dc | Small Industrial-Commercial-Institutional Steam Generating Units |
| E | Incinerators |
| Ea | Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994 (Not Delegated) |
| Eb | Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification or Reconstruction is Commenced After June 19, 1996 (Not Delegated) |
| Ec | Hospital/Medical/Infectious Waste Incinerators (Not Delegated) |
| F | Portland Cement Plants |

Rule 422 – Amended

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| G | Nitric Acid Plants |
| H | Sulfuric Acid Plants (Not Delegated) |
| I | Hot Mix Asphalt Facilities |
| J | Petroleum Refineries |
| Ja | Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (Not Delegated) |
| K | Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 |
| Ka | Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 |
| Kb | Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 |
| L | Secondary Lead Smelters |
| M | Secondary Brass and Bronze Production Plants |
| N | Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11, 1973 |
| Na | Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20, 1983 |
| O | Sewage Treatment Plants |
| P | Primary Copper Smelters |
| Q | Primary Zinc Smelters |
| R | Primary Lead Smelters |
| S | Primary Aluminum Reduction Plants |
| T | Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants |
| U | Phosphate Fertilizer Industry: Superphosphoric Acid Plants |
| V | Phosphate Fertilizer Industry: Diammonium Phosphate Plants |
| W | Phosphate Fertilizer Industry: Triple Superphosphate Plants |
| X | Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities |
| Y | Coal Preparation and Processing Plants |
| Z | Ferroalloy Production Facilities |
| AA | Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or before August 17, 1983 |
| AAa | Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983 |
| BB | Kraft Pulp Mills |
| BBa | Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013 (Not Delegated) |
| CC | Glass Manufacturing Plants |
| DD | Grain Elevators |
| EE | Surface Coating of Metal Furniture |
| FF | (Reserved) |
| GG | Stationary Gas Turbines |

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| HH | Lime Manufacturing Plants |
| KK | Lead-Acid Battery Manufacturing Plants |
| LL | Metallic Mineral Processing Plants |
| MM | Automobile and Light Duty Truck Surface Coating Operations |
| NN | Phosphate Rock Plants |
| PP | Ammonium Sulfate Manufacture |
| QQ | Graphic Arts Industry: Publication Rotogravure Printing |
| RR | Pressure Sensitive Tape and Label Surface Coating Operations |
| SS | Industrial Surface Coating: Large Appliances |
| TT | Metal Coil Surface Coating |
| UU | Asphalt Processing and Asphalt Roofing Manufacture |
| VV | Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006 |
| VVa | Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (Not Delegated) |
| WW | Beverage Can Surface Coating Industry |
| XX | Bulk Gasoline Terminals (Not Delegated) |
| AAA | New Residential Wood Heaters |
| BBB | Rubber Tire Manufacturing Industry |
| CCC | (Reserved) |
| DDD | Volatile Organic Compounds (VOC) Emissions from the Polymer Manufacturing Industry |
| EEE | (Reserved) |
| FFF | Flexible Vinyl and Urethane Coating and Printing |
| GGG | 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 |
| GGGa | Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (Not Delegated) |
| HHH | Synthetic Fiber Production Facilities |
| III | Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes |
| JJJ | Petroleum Dry Cleaners |
| KKK | Onshore Natural Gas Processing Plants: Equipment Leaks of VOC |
| LLL | Onshore Natural Gas Processing: SO ₂ Emissions |
| MMM | (Reserved) |
| NNN | Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations |
| OOO | Nonmetallic Mineral Processing Plants |
| PPP | Wool Fiberglass Insulation Manufacturing Plants |
| QQQ | VOC Emissions from Petroleum Refinery Wastewater Systems |

Rule 422 – Amended

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| RRR | Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes |
| SSS | Magnetic Tape Coating Facilities |
| TTT | Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines (Not Delegated) |
| UUU | Calciners and Dryers in Mineral Industries |
| VVV | Polymeric Coating of Supporting Substrates Facilities |
| WWW | Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991 but Before July 18, 2014 |
| XXX | Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014 (Not Delegated) |
| YYY | (Reserved) |
| ZZZ | (Reserved) |
| AAAA | Small Municipal Waste Combustion Units for Which Combustion is Commenced After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001 (Not Delegated) |
| BBBB | Small Municipal Waste Combustion Units Constructed on or Before August 30, 1999 (Not Delegated) |
| CCCC | Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After June 4, 2010 or for Which Modification or Reconstruction is Commenced After August 7, 2013 (Not Delegated) |
| DDDD | Commercial and Industrial Solid Waste Incineration Units that Commenced Construction on or Before June 4, 2010 or Commenced Modification or Reconstruction on or Before August 7, 2013 (Not Delegated) |
| EEEE | Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004, or for Which Modification or Reconstruction is Commenced on or After June 16, 2006 (Not Delegated) |
| FFFF | Other Solid Waste Incineration Units That Commenced Construction On or Before December 9, 2004 (Not Delegated) |
| GGGG | (Reserved) |
| HHHH | (Reserved) |
| III | Stationary Compression Ignition Internal Combustion Engines (Not Delegated) |
| JJJJ | Stationary Spark Ignition Internal Combustion Engines (Not Delegated) |
| KKKK | Stationary Combustion Turbines (Not Delegated) |
| LLLL | New Sewage Sludge Incineration Units (Not Delegated) |
| MMMM | Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units (Not Delegated) |
| NNNN | (Reserved) |
| OOOO | Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015 (Not Delegated) |
| OOOOa | Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 (Not Delegated) |

Rule 422 – Amended

| | |
|-------|--|
| PPPP | (Reserved) |
| QQQQ | Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces (Not Delegated) |
| TTTT | Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units (Not Delegated) |
| UUUUa | Emission Guidelines for Greenhouse Gas Emissions From Existing Electric Utility Generating Units (Not Delegated) |

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APPENDIX B

AMENDED RULE 422

NEW SOURCE PERFORMANCE STANDARDS (NSPS)

STRIKEOUT UNDERLINE

Rule 422 - Strikeout

RULE 422 **New Source Performance Standards (NSPS)** - Amended 7/13/92, 4/19/93, 12/1/94, 11/14/96, 11/10/99, 1/9/03, 1/13/11, 1/11/18, 1/13/22

Provisions of Part 60, Chapter 1, Title 40, Code of Federal Regulations, in effect October 10, 2017, are hereby adopted by reference and made a part hereof. All new and modified sources shall comply with standards, criteria and requirements set forth therein.

For purposes of this Rule, the word "Administrator" as used in Title 40, Chapter 1, Part 60, Code of Federal Regulations, shall mean the Control Officer of the Eastern Kern Air Pollution Control District (District), except the Control Officer shall not be empowered to approve alternate or equivalent test methods or standards/work practices.

This Rule incorporates the following provisions of 40 CFR Part 60; implementation delegation has been granted to the District by U.S. EPA for all Subparts except those noted:

40 CFR 60:

| Subpart | Description |
|----------------|---|
| A | General Provisions |
| B | Adoption and Submittal of State Plans for Designated Facilities (Not Delegated) |
| <u>Ba</u> | <u>Adoption and Submittal of State Plans for Designated Facilities (Not Delegated)</u> |
| C | Emission Guidelines and Compliance Times (Not Delegated) |
| Ca | (Reserved) |
| Cb | Large Municipal Waste Combustors that are Constructed on or Before September 20, 1994 (Not Delegated) |
| Cc | Compliance Times for Municipal Solid Waste Landfills (Not Delegated) |
| Cd | Sulfuric Acid Production Units (Not Delegated) |
| Ce | Hospital/Medical/Infectious Waste Incinerators (Not Delegated) |
| <u>Cf</u> | <u>Compliance Times for Municipal Solid Waste Landfills (Not Delegated)</u> |
| D | Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 |
| Da | Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 |
| Db | Industrial-Commercial-Institutional Steam Generating Units |
| Dc | Small Industrial-Commercial-Institutional Steam Generating Units |
| E | Incinerators |
| Ea | Municipal Waste Combustors Constructed <u>for Which Construction is Commenced</u> After December 20, 1989 and on or Before September 20, 1994 (Not Delegated) |
| Eb | Large Municipal Waste Combustors Constructed <u>for Which Construction is Commenced</u> After September 20, 1994 <u>or for Which Modification or Reconstruction is Commenced After June 19, 1996</u> (Not Delegated) |
| Ec | Hospital/Medical/Infectious Waste Incinerators Constructed After June 20, 1996 (Not Delegated) |
| F | Portland Cement Plants |

Rule 422 - Strikeout

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| G | Nitric Acid Plants |
| H | Sulfuric Acid Plants (Not Delegated) |
| I | Hot Mix Asphalt Facilities (Not Delegated) |
| J | Petroleum Refineries |
| Ja | Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007 (Not Delegated) |
| K | Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 |
| Ka | Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 |
| Kb | Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 |
| L | Secondary Lead Smelters |
| M | Secondary Brass and Bronze Production Plants |
| N | Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced After June 11, 1973 |
| Na | Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced After January 20, 1983 |
| O | Sewage Treatment Plants |
| P | Primary Copper Smelters |
| Q | Primary Zinc Smelters |
| R | Primary Lead Smelters |
| S | Primary Aluminum Reduction Plants |
| T | Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants |
| U | Phosphate Fertilizer Industry: Superphosphoric Acid Plants |
| V | Phosphate Fertilizer Industry: Diammonium Phosphate Plants |
| W | Phosphate Fertilizer Industry: Triple Superphosphate Plants |
| X | Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities |
| Y | Coal Preparation and Processing Plants |
| Z | Ferroalloy Production Facilities |
| AA | Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 and on or before August 17, 1983 |
| AAa | Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 7, 1983 |
| BB | Kraft Pulp Mills |
| <u>BBa</u> | <u>Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013 (Not Delegated)</u> |
| CC | Glass Manufacturing Plants |
| DD | Grain Elevators |
| EE | Surface Coating of Metal Furniture |
| FF | (Reserved) |
| GG | Stationary Gas Turbines |
| HH | Lime Manufacturing Plants |

Rule 422 - Strikeout

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| KK | Lead-Acid Battery Manufacturing Plants |
| LL | Metallic Mineral Processing Plants |
| MM | Automobile and Light Duty Truck Surface Coating Operations |
| NN | Phosphate Rock Plants |
| PP | Ammonium Sulfate Manufacture |
| QQ | Graphic Arts Industry: Publication Rotogravure Printing |
| RR | Pressure Sensitive Tape and Label Surface Coating Operations |
| SS | Industrial Surface Coating: Large Appliances |
| TT | Metal Coil Surface Coating |
| UU | Asphalt Processing and Asphalt Roofing Manufacture |
| VV | Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry <u>for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006</u> |
| VVa | Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (Not Delegated) |
| WW | Beverage Can Surface Coating Industry |
| XX | Bulk Gasoline Terminals (Not Delegated) |
| AAA | New Residential Wood Heaters |
| BBB | Rubber Tire Manufacturing Industry |
| CCC | (Reserved) |
| DDD | Volatile Organic Compounds (VOC) Emissions from the Polymer Manufacturing Industry |
| EEE | (Reserved) |
| FFF | Flexible Vinyl and Urethane Coating and Printing |
| GGG | Equipment Leaks of VOC in Petroleum Refineries <u>for which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and on or Before November 7, 2006</u> |
| GGGa | Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006 (Not Delegated) |
| HHH | Synthetic Fiber Production Facilities |
| III | Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes |
| JJJ | Petroleum Dry Cleaners |
| KKK | Onshore Natural Gas Processing Plants: <u>Equipment Leaks of VOC</u> |
| LLL | Onshore Natural Gas Processing: SO ₂ Emissions |
| MMM | (Reserved) |
| NNN | Volatile Organic Compound (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations |
| OOO | Nonmetallic Mineral Processing Plants |
| PPP | Wool Fiberglass Insulation Manufacturing Plants |
| QQQ | VOC Emissions from Petroleum Refinery Wastewater Systems |
| RRR | Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes |
| SSS | Magnetic Tape Coating Facilities |

Rule 422 - Strikeout

| | |
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| TTT | Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines (Not Delegated) |
| UUU | Calciners and Dryers in Mineral Industries |
| VVV | Polymeric Coating of Supporting Substrates Facilities |
| WWW | Municipal Solid Waste Landfills <u>That Commenced Construction, Reconstruction, or Modification on or After May 30, 1991 but Before July 18, 2014</u> |
| <u>XXX</u> | <u>Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014 (Not Delegated)</u> |
| <u>YYY</u> | <u>(Reserved)</u> |
| <u>ZZZ</u> | <u>(Reserved)</u> |
| AAAA | Small Municipal Waste Combustion Units for Which Combustion is Commenced After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001 (Not Delegated) |
| BBBB | Small Municipal Waste Combustion Units Constructed on or Before August 30, 1999 (Not Delegated) |
| CCCC | Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 <u>June 4, 2010</u> or for Which Modification or Reconstruction is Commenced on or After June 1, 2001 <u>August 7, 2013</u> (Not Delegated) |
| DDDD | Commercial and Industrial Solid Waste Incineration Units that Commenced Construction on or Before November 30, 1999 <u>June 4, 2010</u> or Commenced Modification or Reconstruction on or Before <u>August 7, 2013</u> (Not Delegated) |
| EEEE | Other Solid Waste Incineration Units for Which Construction is Commenced After December 9, 2004, or for Which Modification or Reconstruction is Commenced on or After June 16, 2006 (Not Delegated) |
| FFFF | Other Solid Waste Incineration Units That Commenced Construction On or Before December 9, 2004 (Not Delegated) |
| GGGG | (Reserved) |
| HHHH | Coal-Fired Electric Steam-Generating Units (Not Delegated) <u>(Reserved)</u> |
| IIII | Stationary Compression Ignition Internal Combustion Engines (Not Delegated) |
| JJJJ | Stationary Spark Ignition Internal Combustion Engines (Not Delegated) |
| KKKK | Stationary Combustion Turbines (Not Delegated) |
| LLLL | New Sewage Sludge Incineration Units (Not Delegated) |
| <u>MMMM</u> | <u>Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units (Not Delegated)</u> |
| <u>NNNN</u> | <u>(Reserved)</u> |
| <u>OOOO</u> | <u>Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced After August 23, 2011, and on or before September 18, 2015 (Not Delegated)</u> |
| <u>OOOOa</u> | <u>Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 (Not Delegated)</u> |
| <u>PPPP</u> | <u>(Reserved)</u> |
| <u>QQQQ</u> | <u>Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces (Not Delegated)</u> |

Rule 422 - Strikeout

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| <u>TTTT</u> | <u>Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units (Not Delegated)</u> |
| <u>UUUUa</u> | <u>Emission Guidelines for Greenhouse Gas Emissions From Existing Electric Utility Generating Units (Not Delegated)</u> |

APPENDIX C

AMENDED RULE 423

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS AND SOURCE CATEGORIES (NESHAPs)

RULE 423 **National Emission Standards For Hazardous Air Pollutants and Source Categories (NESHAPs)** - Amended 7/13/92, 12/1/94, 9/7/95, 11/14/96, 11/10/99, 11/9/00, 1/9/03, 6/29/06, 9/14/06, 1/13/11, 1/11/18, 1/13/22

Provisions of Title 40, Chapter I, Parts 61 and 63, Code of Federal Regulations, in effect October 10, 2017, are hereby adopted by reference and made a part hereof. All sources of hazardous air pollution shall comply with applicable standards, criteria and requirements set forth therein.

For purposes of this Rule, the word "Administrator" as used in Title 40, Chapter I, Parts 61 and 63, Code of Federal Regulations, shall mean the Control Officer of the Eastern Kern Air Pollution Control District, except the Control Officer shall not be empowered to approve alternate or equivalent test methods or standards/work practices.

This Rule incorporates the following provisions of Title 40, Chapter I, Parts 61 and 63; implementation delegation has been granted to EKAPCD by U.S. EPA for all Subparts except those noted:

**40 CFR 61
(Pollutants)**

| Subpart: | Description |
|-----------------|---|
| A | General Provisions |
| B | Radon Emissions from Underground Uranium Mines (Not Delegated) |
| C | Beryllium |
| D | Beryllium Rocket Motor Firing |
| E | Mercury |
| F | Vinyl Chloride |
| G | (Reserved) |
| H | Emissions of Radionuclides Other Than Radon From Department of Energy Facilities (Not Delegated) |
| I | Radionuclide Emissions From Federal Facilities Other Than Nuclear Regulatory Commission Licensees and Federal Facilities not Covered by Subpart H (Not Delegated) |
| J | Equipment Leaks (Fugitive Emission Sources) of Benzene |
| K | Radionuclide Emissions from Elemental Phosphorus Plants (Not Delegated) |
| L | Benzene Emissions from Coke By-Product Recovery Plants |
| M | Asbestos |
| N | Inorganic Arsenic Emissions from Glass Manufacturing Plants |
| O | Inorganic Arsenic Emissions from Primary Copper Smelters |
| P | Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities |
| Q | Radon Emissions From Department of Energy Facilities (Not Delegated) |
| R | Radon Emissions From Phosphogypsum Stacks (Not Delegated) |
| S | (Reserved) |
| T | Radon Emissions From the Disposal of Uranium Mill Tailings (Not Delegated) |
| U | (Reserved) |

Rule 423 – Amended

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| V | Equipment Leaks (Fugitive Emission Sources) |
| W | Radon Emissions from Operating Mill Tailings (Not Delegated) |
| X | (Reserved) |
| Y | Benzene Emissions from Benzene Storage Vessels |
| Z | (Reserved) |
| AA | (Reserved) |
| BB | Benzene Emissions from Benzene Transfer Operations |
| CC | (Reserved) |
| DD | (Reserved) |
| EE | (Reserved) |
| FF | Benzene Waste Operations |

40 CFR 63
(Source Categories)

Subpart: Description

| | |
|----------|--|
| Preamble | Generic Maximum Achievable Control Technology (Generic MACT): |
| A | General Provisions |
| B | Requirements for Control Technology Determinations for Major Sources in Accordance With Clean Air Act Sections, Sections 112(g) and 112(j) (Not Delegated) |
| C | List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List (Not Delegated) |
| D | Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants (Not Delegated) |
| E | Approval of State Programs and Delegation of Federal Authorities (Not Delegated) |
| F | Synthetic Organic Chemical Manufacturing Industry |
| G | Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater |
| H | Equipment Leaks |
| I | Processes Subject to the Negotiated Regulation for Equipment Leaks |
| J | Polyvinyl Chloride and Copolymers Production |
| K | (Reserved) |
| L | Coke Oven Batteries |
| M | Perchloroethylene Dry Cleaning* |
| N | Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks** |
| O | Ethylene Oxide Sterilization Facilities |
| P | (Reserved) |
| Q | Industrial Process Cooling Towers |
| R | Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) |
| S | Pulp and Paper Industry |
| T | Halogenated Solvent Cleaning |
| U | Group I Polymers and Resins (Elastomers) |
| V | (Reserved) |

Rule 423 – Amended

| | |
|-----|---|
| W | Epoxy Resins Production and Non-Nylon Polyamides Production |
| X | Secondary Lead Smelting |
| Y | Marine Tank Vessel Loading Operations |
| Z | (Reserved) |
| AA | Phosphoric Acid Manufacturing Plants |
| BB | Phosphate Fertilizers Production Plants |
| CC | Petroleum Refineries |
| DD | Off-Site Waste and Recovery Operations |
| EE | Magnetic Tape Manufacturing Operations |
| FF | (Reserved) |
| GG | Aerospace Manufacturing and Rework Facilities (See District Rule 410.8, Aerospace Assembly and Coating Operations) |
| HH | Oil and Natural Gas Production Facilities |
| II | Shipbuilding and Ship Repair (Surface Coating) |
| JJ | Wood Furniture Manufacturing Operations (See District Rule 410.9, Wood Products Surface Coating Operations) |
| KK | Printing and Publishing Industry |
| LL | Primary Aluminum Reduction Plants |
| MM | Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semicheical Pulp Mills |
| NN | (Reserved) |
| OO | Tanks - Level 1 |
| PP | Containers |
| QQ | Surface Impoundments |
| RR | Individual Drain Systems |
| SS | Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process |
| TT | Equipment Leaks - Control Level 1 |
| UU | Equipment Leaks - Control Level 2 |
| VV | Oil-Water Separators and Organic-Water Separators |
| WW | Storage Vessels (Tanks) - Control Level 2 |
| XX | Ethylene Manufacturing Process Units |
| YY | Generic Maximum Achievable Control Technology Standards |
| ZZ | (Reserved) |
| AAA | (Reserved) |
| BBB | (Reserved) |
| CCC | Steel Pickling – HCl Process Facilities and Hydrochloric Acid Regeneration Plants |
| DDD | Mineral Wool Production |
| EEE | Hazardous Waste Combustors |
| FFF | (Reserved) |
| GGG | Pharmaceuticals Production |
| HHH | Natural Gas Transmission and Storage Facilities |
| III | Flexible Polyurethane Foam Production |
| JJJ | Group IV Polymers and Resins (thermoplastics) |
| KKK | (Reserved) |
| LLL | Portland Cement Manufacturing Industry |
| MMM | Pesticide Active Ingredient Production |

Rule 423 – Amended

| | |
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| NNN | Wool Fiberglass Manufacturing |
| OOO | Manufacture of Amino/Phenolic Resins |
| PPP | Polyether Polyols Production |
| QQQ | Primary Copper Smelting |
| RRR | Secondary Aluminum Production |
| SSS | (Reserved) |
| TTT | Primary Lead Smelting |
| UUU | Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, Sulfur Recovery Units |
| VVV | Publicly Owned Treatment Works |
| WWW | (Reserved) |
| XXX | Ferroalloys Production: Ferromanganese and Silicomanganese |
| YYY | (Reserved) |
| ZZZ | (Reserved) |
| AAAA | Municipal Solid Waste Landfills |
| CCCC | Manufacturing of Nutritional Yeast |
| DDDD | Plywood and Composite Wood Products |
| EEEE | Organic Liquids Distribution (non-gasoline) (See District Rules 410, Organic Solvents; 411, Storage of Organic Liquids; and 413, Organic Liquid Loading) |
| FFFF | Miscellaneous Organic Chemical Manufacturing (MON) |
| GGGG | Solvent Extraction for Vegetable Oil Production |
| HHHH | Wet-Formed Fiberglass Mat Production |
| IIII | Surface Coating of Automobiles and Light Duty Trucks |
| JJJJ | Paper and other Web (Surface Coating) (See District Rule 410.7, Graphic Arts) |
| KKKK | Surface Coating of Metal Cans |
| MMMM | Surface Coating of Miscellaneous Metal Parts and Products (See District Rules 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| NNNN | Surface Coating of Large Appliances (See District Rule 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| OOOO | Printing, Coating, and Dyeing of Fabrics and Other Textiles |
| PPPP | Surface Coating of Plastic Parts and Products (See District Rule 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| QQQQ | Surface Coating of Wood Building Products (See District Rules 410.1A, Architectural Coating Controls & 410.9, Wood Products Surface Coating Operations) |
| RRRR | Surface Coating of Metal Furniture (See District Rule 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| SSSS | Surface Coating of Metal Coil |
| TTTT | Leather Finishing Operations |
| UUUU | Cellulose Products Manufacturing |
| VVVV | Boat Manufacturing |
| WWWW | Reinforced Plastic Composites Production |
| XXXX | Rubber Tire Manufacturing |
| YYYY | Stationary Combustion Turbines |
| ZZZZ | Reciprocating Internal Combustion Engines (RICE) |

Rule 423 – Amended

| | |
|---------|--|
| AAAAA | Lime Manufacturing |
| BBBBB | Semiconductor Manufacturing |
| CCCCC | Coke Ovens: Pushing, Quenching and Battery Stacks |
| DDDDD | Industrial, Commercial, and Institutional Boiler and Process Heaters |
| EEEEE | Iron and Steel Foundries |
| FFFFF | Integrated Iron and Steel Manufacturing Facilities |
| GGGGG | Site Remediation (See District Rule 414.2, Soil Decontamination (Volatile Organic Compounds)) |
| HHHHH | Miscellaneous Coating Manufacturing |
| IIIII | Mercury Cell Chlor-Alkali Plants |
| JJJJJ | Brick and Structural Clay Products Manufacturing |
| KKKKK | Clay Ceramics Manufacturing |
| LLLLL | Asphalt Roofing and Processing (See District Rule 410.5, Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations; 425.1, Hot Mix Asphalt Paving Plants (Oxides of Nitrogen)) |
| MMMMM | Flexible Polyurethane Foam Fabrication Operations |
| NNNNN | Hydrochloric Acid Production |
| PPPPP | Engine Test Cells/Stands |
| QQQQQ | Friction Materials Manufacturing Facilities |
| RRRRR | Taconite Iron Ore Processing |
| SSSSS | Refractory Products Manufacturing |
| TTTTT | Primary Magnesium Refining |
| UUUUU | (Reserved) |
| VVVVV | (Reserved) |
| WWWWW | Hospital Ethylene Oxide Sterilizers |
| XXXXX | (Reserved) |
| YYYYY | Electric Arc Furnace Steelmaking Facilities |
| ZZZZZ | Iron and Steel Foundries Area Sources |
| AAAAAA | (Reserved) |
| BBBBBB | Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities |
| CCCCCC | Gasoline Dispensing Facilities |
| DDDDDD | Polyvinyl Chloride and Copolymers Production Area Sources |
| EEEEEE | Primary Copper Smelting Area Sources |
| FFFFFFF | Secondary Copper Smelting Area Sources |
| GGGGGG | Primary Nonferrous Metals Area Sources--Zinc, Cadmium, and Beryllium |
| HHHHHH | Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources |
| IIIIII | (Reserved) |
| JJJJJJ | Industrial, Commercial, and Institutional Boilers: Area Sources |
| KKKKKK | (Reserved) |
| LLLLLL | Acrylic and Modacrylic Fibers Production Area Sources |
| MMMMMM | Carbon Black Production Area Sources |
| NNNNNN | Chemical Manufacturing Area Sources: Chromium Compounds |
| OOOOOO | Flexible Polyurethane Foam Production and Fabrication Area Sources |
| PPPPPP | Lead Acid Battery Manufacturing Area Sources |
| QQQQQQ | Wood Preserving Area Sources |
| RRRRRR | Clay Ceramics Manufacturing Area Sources |
| SSSSSS | Glass Manufacturing Area Sources |

Rule 423 – Amended

| | |
|--------|---|
| TTTTTT | Secondary Nonferrous Metals Processing Area Sources |
| UUUUUU | (Reserved) |
| VVVVVV | Chemical Manufacturing Area Sources |
| WWWWWW | Plating and Polishing Operations Area Sources |
| XXXXXX | Nine Metal Fabrication and Finishing Area Sources |
| YYYYYY | Ferrous Production Facilities Area Sources |
| ZZZZZZ | Aluminum, Copper, and Other Nonferrous Foundries Area Sources |
| AAAAAA | Asphalt Processing and Asphalt Roofing Manufacturing Area Sources |
| BBBBBB | Chemical Preparations Industry Area Sources |
| CCCCCC | Paints and Allied Products Manufacturing Area Sources |
| DDDDDD | Prepared Feeds Manufacturing Area Sources |
| EEEEEE | Gold Mine Ore Processing and Production Area Sources |
| FFFFFF | (Reserved) |
| GGGGGG | (Reserved) |
| HHHHHH | Polyvinyl Chloride and Copolymers Production |

*Per 40 CFR §63.99(a)(5)(ii)(A), the Airborne Toxic Control Measure (ATCM) for perchloroethylene dry cleaning (California Code of Regulations Title 17 (17 CCR) sections 93109, 93109.1, and 93109.2) is implemented in place of Subpart M for area sources only

**Per 40 CFR §63.99(a)(5)(ii)(E), the ATCM for decorative and hard chrome plating and chromic acid anodizing facilities (17 CCR section 93102) is implemented in place of Subpart N

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APPENDIX D

AMENDED RULE 423

**NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR
POLLUTANTS AND SOURCE CATEGORIES (NESHAPs)**

STRIKEOUT UNDERLINE

Rule 423 – Strikeout

RULE 423 **National Emission Standards For Hazardous Air Pollutants and Source Categories (NESHAPs)** - Amended 7/13/92, 12/1/94, 9/7/95, 11/14/96, 11/10/99, 11/9/00, 1/9/03, 6/29/06, 9/14/06, 1/13/11, 1/11/18, 1/13/22

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**40 CFR 61
(Pollutants)
Subpart:**

Description

| | |
|---|--|
| A | General Provisions |
| B | Radon Emissions from Underground Uranium Mines (Not Delegated) |
| C | Beryllium |
| D | Beryllium Rocket Motor Firing |
| E | Mercury |
| F | Vinyl Chloride |
| G | (Reserved) |
| H | <u>Emissions of Radionuclides Other Than Radon From</u> Department of Energy Facilities (Not Delegated) |
| I | <u>Radionuclide Emissions From</u> Federal Facilities Other Than Nuclear Regulatory Commission Licensees and Federal Facilities not Covered by Subpart H (Not Delegated) |
| J | Equipment Leaks (Fugitive Emission Sources) of Benzene |
| K | Radionuclide Emissions from Elemental Phosphorus Plants (Not Delegated) |
| L | Benzene Emissions from Coke By-Product Recovery Plants |
| M | Asbestos |
| N | Inorganic Arsenic Emissions from Glass Manufacturing Plants |
| O | Inorganic Arsenic Emissions from Primary Copper Smelters |
| P | Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities |
| Q | <u>Radon Emissions From</u> Department of Energy Facilities (Not Delegated) |
| R | <u>Radon Emissions From</u> Phosphogypsum Stacks (Not Delegated) |
| S | (Reserved) |
| T | <u>Radon Emissions From the</u> Disposal of Uranium Mill Tailings (Not Delegated) |
| U | (Reserved) |

Rule 423 – Strikeout

| | |
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| V | Equipment Leaks (Fugitive Emission Sources) |
| W | Radon Emissions from Operating Mill Tailings (Not Delegated) |
| X | (Reserved) |
| Y | Benzene Emissions from Benzene Storage Vessels |
| Z | (Reserved) |
| AA | (Reserved) |
| BB | Benzene Emissions from Benzene Transfer Operations |
| CC | (Reserved) |
| DD | (Reserved) |
| EE | (Reserved) |
| FF | Benzene Waste Operations |

40 CFR 63
(Source Categories)

Subpart: Description

| | |
|----------|--|
| Preamble | Generic Maximum Achievable Control Technology (Generic MACT): |
| A | General Provisions |
| B | Requirements for Control Technology Determinations for Major Sources in Accordance With Clean Air Act Sections, Sections 112(g) and 112(j) (Not Delegated) |
| C | List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List (Not Delegated) |
| D | Regulations Governing Compliance Extensions for Early Reductions of Hazardous Air Pollutants (Not Delegated) |
| E | Approval of State Programs and Delegation of Federal Authorities (Not Delegated) |
| F | Synthetic Organic Chemical Manufacturing Industry |
| G | Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater |
| H | Equipment Leaks |
| I | Processes Subject to the Negotiated Regulation for Equipment Leaks |
| J | Polyvinyl Chloride and Copolymers Production |
| K | (Reserved) |
| L | Coke Oven Batteries |
| M | Perchloroethylene Dry Cleaning* |
| N | <u>Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks**</u> |
| O | Ethylene Oxide Sterilization Facilities |
| P | (Reserved) |
| Q | Industrial Process Cooling Towers |
| R | Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) |
| S | Pulp and Paper Industry |
| T | Halogenated Solvent Cleaning |
| U | Group I Polymers and Resins (Elastomers) (See District Rules 432, Polyester Resin Operations) |

Rule 423 – Strikeout

| | |
|-----|--|
| V | (Reserved) |
| W | Epoxy Resins Production and Non-Nylon Polyamides Production (See District Rules 432, Polyester Resin Operations) |
| X | Secondary Lead Smelting |
| Y | Marine Tank Vessel Loading Operations |
| Z | (Reserved) |
| AA | Phosphoric Acid Manufacturing Plants |
| BB | Phosphate Fertilizers Production Plants |
| CC | Petroleum Refineries |
| DD | Off-Site Waste and Recovery Operations |
| EE | Magnetic Tape Manufacturing Operations |
| FF | (Reserved) |
| GG | Aerospace Manufacturing and Rework Facilities (See District Rule 410.8, Aerospace Assembly and Coating Operations) |
| HH | Oil and Natural Gas Production Facilities |
| II | Shipbuilding and Ship Repair (Surface Coating) |
| JJ | Wood Furniture Manufacturing Operations (See District Rule 410.9, Wood Products Surface Coating Operations) |
| KK | Printing and Publishing Industry |
| LL | Primary Aluminum Reduction Plants |
| MM | Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills |
| NN | (Reserved) |
| OO | Tanks - Level 1 |
| PP | Containers |
| QQ | Surface Impoundments |
| RR | Individual Drain Systems |
| SS | Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process |
| TT | Equipment Leaks - Control Level 1 |
| UU | Equipment Leaks - Control Level 2 |
| VV | Oil-Water Separators and Organic-Water Separators |
| WW | Storage Vessels (Tanks) - Control Level 2 |
| XX | Ethylene Manufacturing Process Units |
| YY | Generic Maximum Achievable Control Technology Standards |
| ZZ | (Reserved) |
| AAA | (Reserved) |
| BBB | (Reserved) |
| CCC | Steel Pickling – HCl Process Facilities and Hydrochloric Acid Regeneration Plants |
| DDD | Mineral Wool Production |
| EEE | Hazardous Waste Combustors |
| FFF | (Reserved) |
| GGG | Pharmaceuticals Production |
| HHH | Natural Gas Transmission and Storage Facilities |
| III | Flexible Polyurethane Foam Production |
| JJJ | Group IV Polymers and Resins (thermoplastics) (See District Rules 432, Polyester Resin Operations) |

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| KKK | (Reserved) |
| LLL | Portland Cement Manufacturing Industry (See District Rules 425.3, Portland Cement Kilns (Oxides of Nitrogen)) |
| MMM | Pesticide Active Ingredient Production |
| NNN | Wool Fiberglass Manufacturing |
| OOO | Manufacture of Amino/Phenolic Resins (See District Rules 432, Polyester Resin Operations) |
| PPP | Polyether Polyols Production |
| QQQ | Primary Copper Smelting |
| RRR | Secondary Aluminum Production |
| SSS | (Reserved) |
| TTT | Primary Lead Smelting |
| UUU | Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, Sulfur Recovery Units |
| VVV | Publicly Owned Treatment Works |
| WWW | (Reserved) |
| XXX | Ferroalloys Production: Ferromanganese and Silicomanganese |
| YYY | (Reserved) |
| ZZZ | (Reserved) |
| AAAA | Municipal Solid Waste Landfills |
| CCCC | Manufacturing of Nutritional Yeast |
| DDDD | Plywood and Composite Wood Products |
| EEEE | Organic Liquids Distribution (non-gasoline) (See District Rules 410, Organic Solvents; 411, Storage of Organic Liquids; and 413, Organic Liquid Loading) |
| FFFF | Miscellaneous Organic Chemical Manufacturing (MON) |
| GGGG | Solvent Extraction for Vegetable Oil Production |
| HHHH | Wet-Formed Fiberglass Mat Production |
| <u>III</u> | <u>Surface Coating of Automobiles and Light Duty Trucks</u> |
| JJJJ | Paper and other Web (Surface Coating) (See District Rule 410.7, Graphic Arts) |
| KKKK | Surface Coating of Metal Cans <u>Coating</u> |
| MMMM | <u>Surface Coating of</u> Miscellaneous Metal Parts and Products (See District Rules 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| NNNN | <u>Surface Coating of</u> Large Appliances (surface coating) (See District Rules 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| OOOO | Printing, Coating, and Dyeing of <u>Fabrics and Other Textiles</u> Printing, Coating, and Dyeing |
| PPPP | <u>Surface Coating of</u> Plastic Parts <u>and Products</u> (surface coating) (See District Rules 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| QQQQ | <u>Surface Coating of</u> Wood Building Products (See District Rules 410.1A, Architectural Coating Controls & 410.9, Wood Products Surface Coating Operations) |

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| RRRR | <u>Surface Coating of</u> Metal Furniture (surface coating) (See District Rules 410.4, Metal, Plastic, and Pleasure Craft Parts and Products Coating Operations) |
| SSSS | Surface Coating of Metal Coil |
| TTTT | Leather Finishing Operations |
| UUUU | Cellulose Products Manufacturing |
| VVVV | Boat Manufacturing |
| WWWW | Reinforced Plastic Composites Production |
| XXXX | Rubber Tire Manufacturing |
| YYYY | Stationary Combustion Turbines (See District Rule 425, Cogeneration Gas Turbine Engines (Oxides of Nitrogen)) |
| <u>ZZZZ</u> | Reciprocating Internal Combustion Engines (RICE) |
| AAAAA | Lime Manufacturing |
| BBBBB | Semiconductor Manufacturing |
| CCCCC | Coke Ovens: Pushing, Quenching and Battery Stacks |
| DDDDD | Industrial, Commercial, and Institutional Boiler and Process Heaters (See District Rules 425.2, Boilers, Steam Generators, and Process Heaters (Oxides of Nitrogen)) |
| EEEEE | Iron and Steel Foundries |
| FFFFF | Integrated Iron and Steel <u>Manufacturing Facilities</u> |
| GGGGG | Site Remediation (See District Rule 414.2, Soil Decontamination (Volatile Organic Compounds)) |
| HHHHH | Miscellaneous Coating Manufacturing |
| IIIII | Mercury Cell Chlor-Alkali Plants |
| JJJJJ | Brick and Structural Clay Products Manufacturing |
| KKKKK | Clay Ceramics Manufacturing |
| LLLLL | Asphalt Roofing and Processing (See District Rule 410.5, Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations; 425.1, Hot Mix Asphalt Paving Plants (Oxides of Nitrogen)) |
| MMMMM | Flexible Polyurethane Foam Fabrication Operations |
| NNNNN | Hydrochloric Acid Production |
| PPPPP | Engine Test Cells/Stands |
| QQQQQ | Friction Materials Manufacturing <u>Facilities</u> |
| RRRRR | Taconite Iron Ore Processing |
| SSSSS | Refractory Products Manufacturing |
| TTTTT | Primary Magnesium Refining |
| UUUUU | (Reserved) |
| VVVVV | (Reserved) |
| WWWWW | Hospital Ethylene Oxide Sterilizers |
| XXXXX | (Reserved) |
| YYYYY | Electric Arc Furnace Steelmaking Facilities |
| <u>ZZZZZ</u> | Iron and Steel Foundries Area Sources |
| AAAAAA | (Reserved) |
| BBBBBB | Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities |
| CCCCCC | Gasoline Dispensing Facilities |
| DDDDDD | Polyvinyl Chloride and Copolymers Production Area Sources |
| EEEEEE | Primary Copper Smelting Area Sources |
| FFFFFFF | Secondary Copper Smelting Area Sources |

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| GGGGGG | Primary Nonferrous Metals Area Sources--Zinc, Cadmium, and Beryllium |
| HHHHHH | Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources |
| IIIII | (Reserved) |
| JJJJJ | Industrial, Commercial, and Institutional Boilers: Area Sources (See District Rules 425.2, Boilers, Steam Generators, and Process Heaters (Oxides of Nitrogen)) |
| KKKKKK | (Reserved) |
| LLLLLL | Acrylic and Modacrylic Fibers Production Area Sources |
| MMMMMM | Carbon Black Production Area Sources |
| NNNNNN | Chemical Manufacturing Area Sources: Chromium Compounds |
| OOOOOO | Flexible Polyurethane Foam Production and Fabrication Area Sources ³ |
| PPPPPP | Lead Acid Battery Manufacturing Area Sources |
| QQQQQQ | Wood Preserving Area Sources |
| RRRRRR | Clay Ceramics Manufacturing Area Sources |
| SSSSSS | Glass Manufacturing Area Sources |
| TTTTTT | Secondary Nonferrous Metals Processing Area Sources |
| UUUUUU | (Reserved) |
| VVVVVV | Chemical Manufacturing Area Sources |
| WWWWWW | Plating and Polishing Operations Area Sources |
| XXXXXX | Nine Metal Fabrication and Finishing Area Sources |
| YYYYYY | Ferrous Alloys Production Facilities Area Sources |
| ZZZZZZ | Aluminum, Copper, and Other Nonferrous Foundries Area Sources |
| AAAAAA | Asphalt Processing and Asphalt Roofing Manufacturing Area Sources |
| BBBBBB | Chemical Preparations Industry Area Sources |
| CCCCCC | Paints and Allied Products Manufacturing Area Sources |
| DDDDDD | Prepared Feeds <u>Manufacturing</u> Area Sources |
| EEEEEE | Gold Mine Ore Processing and Production Area Sources |
| FFFFFF | (Reserved) |
| GGGGGG | (Reserved) |
| HHHHHH | Polyvinyl Chloride and Copolymers Production |

*Per 40 CFR §63.99(a)(5)(ii)(A), the Airborne Toxic Control Measure (ATCM) for perchloroethylene dry cleaning (California Code of Regulations Title 17 (17 CCR) sections 93109, 93109.1, and 93109.2) is implemented in place of Subpart M for area sources only

**Per 40 CFR §63.99(a)(5)(ii)(E), the ATCM for decorative and hard chrome plating and chromic acid anodizing facilities (17 CCR section 93102) is implemented in place of Subpart N

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