

40.0 REGULATION FOR THE PERFORMANCE OF NEW STATIONARY SOURCES

40.1 General

No person shall construct, modify, or operate any stationary source listed in Section 40.2 in such a manner as to fail to comply with the applicable emission standards and permitting, testing, and reporting requirements established by the Environmental Protection Agency.

40.2 Standards of Performance for New Stationary Sources

Standards of performance for New Stationary Sources subject to this regulation are as follows:

- A. Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971; as specified in 40 CFR 60, Subpart D, as amended, as adopted October 9, 1991.
- B. Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978; as specified in 40 CFR 60, Subpart Da, as amended, as adopted October 9, 1991.
- C. Incinerators; as specified in 40 CFR 60, Subpart E, as amended, as adopted October 9, 1991.
- D. Portland Cement Plants; as specified in 40 CFR 60, Subpart F, as amended, as adopted October 9, 1991.
- E. Nitric Acid Plants; as specified in 40 CFR 60, Subpart G, as amended, as adopted October 9, 1991.
- F. Sulfuric Acid Plants; as specified in 40 CFR 60, Subpart H, as amended, as adopted October 9, 1991.
- G. Asphalt Concrete Plants; as specified in 40 CFR 60, Subpart I, as amended, as adopted October 9, 1991.
- H. Petroleum Refineries; as specified in 40 CFR 60, Subpart J, as amended, as adopted October 9, 1991.
- I. Storage Vessels for Petroleum Liquids Constructed After June 11, 1973, and Prior to May 19, 1978; as specified in 40 CFR 60, Subpart K, as amended, as adopted October 9, 1991.

- J. Storage Vessels for Petroleum Liquids constructed after May 18, 1978; as specified in 40 CFR 60, Subpart Ka, as amended, as adopted October 9, 1991.
- K. Secondary Lead Smelters; as specified in 40 CFR 60, Subpart L, as amended, as adopted October 9, 1991.
- L. Secondary Brass and Bronze Ingot Production Plants; as specified in 40 CFR, Subpart M, as amended, as adopted October 9, 1991.
- M. Iron and Steel Plants; as specified in 40 CFR 60, Subpart N, as amended, as adopted October 9, 1991.
- N. Sewage Treatment Plants; as specified in 40 CFR 60, Subpart O, as amended, as adopted October 9, 1991.
- O. Primary Copper Smelters; as specified in 40 CFR 60, Subpart P, as amended, as adopted October 9, 1991.
- P. Primary Zinc Smelters; as specified in 40 CFR 60, Subpart Q, as amended, as adopted October 9, 1991.
- Q. Primary Lead Smelters; as specified in 40 CFR 60, Subpart R, as amended, as adopted October 9, 1991.
- R. Primary Aluminum Reduction Plants; as specified in 40 CFR 60, Subpart S, as amended, as adopted October 9, 1991.
- S. Phosphate Fertilizer Industry: Wet Process Phosphoric Acid Plants; as specified in 40 CFR 60, Subpart T, as amended, as adopted October 9, 1991.
- T. Phosphate Fertilizer Industry: Superphosphoric Acid Plants; as specified in 40 CFR 60, Subpart U, as amended, as adopted October 9, 1991.
- U. Phosphate Fertilizer Industry: Diammonium Phosphate Plants; as specified in 40 CFR 60, Subpart V, as amended, as adopted October 9, 1991.
- V. Phosphate Fertilizer Industry: Triple Superphosphate Plants; as specified in 40 CFR 60, Subpart W, as amended, as adopted October 9, 1991.
- W. Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities; as specified in 40 CFR 60, Subpart X, as amended, as adopted October 9, 1991.
- X. Coal Preparation Plants; as specified in 40 CFR 60, Subpart Y, as amended, as adopted October 9, 1991.

- Y. Ferrous Alloy Production Facilities; as specified in 40 CFR 60, Subpart Z, as amended, as adopted October 9, 1991.
- Z. Steel Plants: Electric Arc Furnaces; as specified in 40 CFR 60, Subpart AA, as amended, as adopted October 9, 1991.
- AA. Kraft Pulp Mills; as specified in 40 CFR 60, Subpart BB, as amended, as adopted October 9, 1991.
- BB. Glass Manufacturing Plants; as specified in 40 CFR 60, Subpart CC, as amended, as adopted October 9, 1991.
- CC. Grain Elevators; as specified in 40 CFR 60, Subpart DD, as amended, as adopted October 9, 1991.
- DD. Subpart EE (Reserved)
- EE. Standards of Performance for Surface Coating of Metal Furniture, as specified in 40 CFR 60, Subpart EE, as amended, as adopted January 9, 2002.
- FF. Stationary Gas Turbines; as specified in 40 CFR 60, Subpart GG, as amended, as adopted October 9, 1991.
- GG. Lime Manufacturing Plants; as specified in 40 CFR 60, Subpart HH, as amended, as adopted October 9, 1991.
- HH. Automobile and Light-Duty Truck Surface Coating Operations; as specified in 40 CFR 60, Subpart MM, as amended.
- II. Ammonium Sulfate Manufacture; as specified in 40 CFR 60, Subpart PP, as amended, as adopted October 9, 1991.
- JJ. Graphic Arts Industry: Publication Rotogravure Printing; as specified in 40 CFR 60, Subpart QQ, as amended, as adopted January 12, 1983.
- KK. Lead Acid Battery Manufacturing Plants; as specified in 40 CFR 60, Subpart KK, as amended, as adopted October 9, 1991.
- KK(a) Standard of Performance for Lead Acid Battery Manufacturing Plants for Which Construction, Modification or Reconstruction Commenced after February 23, 2022, as specified in 40 CFR Part 60 Subpart KKa, as amended as adopted November 1, 2023.
- LL. Phosphate Rock Plants; as specified in 40 CFR 60, Subpart NN, as amended, as adopted October 9, 1991.
- MM. Metal Coil Surface Coating Operations; as specified in 40 CFR 60, Subpart TT, as amended by Fed. Reg. 22938 (June 24, 1986), as adopted March 30, 1994.
- NN. Surface Coating of Metal Furniture; as specified in 40 CFR 60, Subpart EE, as amended, as adopted July 11, 1984.

- OO. Industrial Surface Coating: Large Appliances; as specified in 40 CFR 60, Subpart SS, as amended, as adopted July 11, 1984.
- PP. Asphalt Processing and Asphalt Roofing Manufacture; as specified in 40 CFR 60, Subpart UU, as amended, as adopted October 9, 1991.
- QQ. Metallic Mineral Processing Plants; as specified in 40 CFR 60, Subpart LL, as amended, as adopted October 9, 1991.
- RR. Pressure Sensitive Tape and Label Surface Coating Operations; as specified in 40 CFR 60, Subpart RR, as amended, as adopted July 11, 1984.
- SS. Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry; as specified in 40 CFR 60, Subpart VV, as amended by 61 FR 29878 (June 12, 1996), as adopted by Knox County on April 9, 1997.
- TT. Beverage Can Surface Coating Industry; as specified in 40 CFR 60, Subpart WW, as amended, as adopted July 11, 1984.
- UU. Bulk Gasoline Terminals; as specified in 40 CFR 60, Subpart XX, as amended, as adopted October 9, 1991.
- VV. Equipment Leaks of VOC in Petroleum Refineries; as specified in 40 CFR 60, Subpart GGG, as amended, as adopted July 11, 1984.
- WW. Synthetic Fiber Production Facilities; as specified in 40 CFR 60, Subpart HHH, as amended, as adopted July 11, 1984.
- XX. Flexible Vinyl and Urethane Coating and Printing; as specified in 40 CFR 60, Subpart FFF, as amended, as adopted January 9, 1986.
- YY. Petroleum Dry Cleaners; as specified in 40 CFR 60, Subpart JJJ, as amended by Fed. Reg. 49026 (November 27, 1985), as adopted March 30, 1994.
- ZZ. Equipment Leaks of VOC from On-Shore Natural Gas Processing Plants; as specified in 40 CFR 60, Subpart KKK, as amended, as adopted April 19, 1990.
- AAA. On Shore Natural Gas Processing; SO₂ Emissions; as specified in 40 CFR 60, Subpart LLL, as amended, as adopted October 9, 1991.
- BBB. Air Oxidation Unit Processes (Synthetic Organic Chemical Manufacturing Industry) VOC Emissions; as specified in 40 CFR 60, Subpart III, as amended, as adopted January 23, 1991.
- CCC. Reserved

- DDD. Non-metallic Mineral Processing Plants; as specified in 40 CFR 60, Subpart OOO, as amended, as adopted October 9, 1991.
- EEE. Secondary Emissions from Basic Oxygen Process Steel-making Facilities; as specified in 40 CFR 60, Subpart Na, as amended, as adopted October 9, 1991.
- FFF. Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed after August 17, 1983; as specified in 40 CFR 60, Subpart AAa, as amended, as adopted October 9, 1991.
- GGG. Industrial-Commercial-Institutional Steam Generating Units; as specified in 40 CFR 60, Subpart Db, as amended, as adopted April 8, 1987.
- HHH. Volatile Organic Liquid Storage Vessels Constructed, Reconstructed, or Modified After July 23, 1984; as specified in 40 CFR 60, Subpart Kb, as amended, as adopted July 8, 1987.
- III. Rubber Tire Manufacturing Industry; as specified in 40 CFR 60, Subpart BBB, as amended, as adopted October 9, 1991.
- JJJ. Surface Coating of Plastic Parts for Business Machines; as specified in 40 CFR 60, Subpart TTT, as amended, as adopted March 9, 1988.
- JJJ(a) Standard of Performance for Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines for Which Construction, Reconstruction, or Modification Commenced After June 21, 2022, as specified in 40 CFR Part 60 Subpart TTTa, as amended, as adopted November 1, 2023.
- KKK. Petroleum Refinery Wastewater Systems; as specified in 40 CFR 60, Subpart QQQ, as amended, as adopted January 11, 1990.
- LLL. Wool Fiberglass Insulation Manufacturing Plants; as specified in 40 CFR 60, Subpart PPP, as amended, as adopted October 9, 1991.
- MMM. Magnetic Tape Coating Facilities; as specified in 40 CFR 60, Subpart SSS, as amended, as adopted April 19, 1990.
- NNN. Distillation Operations (Synthetic Organic Chemical Manufacturing Industry) VOC Emissions; as specified in 40 CFR 60, Subpart NNN, as amended, as adopted January 23, 1991.
- OOO. Small Industrial-Commercial-Institutional Steam Generating Units; as specified in 40 CFR 60, Subpart Dc, as amended by 61 FR 20736 (May 8, 1996), as adopted by Knox County on April 9, 1997.
- PPP. Polypropylene, Polyethylene, Polystyrene, and Poly(ethylene terephthalate) Manufacturing Industry; as specified in 40 CFR 60, Subpart DDD, as amended, as adopted January 23, 1991.
- QQQ. Municipal Waste Combustors; as specified in 40 CFR 60, Subpart Cb (as promulgated in 60 FR 665414, December 19, 1995), Subpart Ea (as amended in

60 FR 65437, December 19, 1995), and Eb (as promulgated in 60 FR 65419, December 19, 1995) as adopted by Knox County on October 9, 1996.

- RRR. Standards of Performance for Calciners and Dryers in Mineral Industries, as specified in 40 CFR 60, Subpart UUU, as amended by 58 FR 40591 (July 29, 1993) as adopted by Knox County on January 11, 1995.
- SSS. Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes; as specified in 40 CFR 60, Subpart RRR, as amended, as adopted March 30, 1994.
- TTT. Polymeric Coating of Supporting Substrates Facilities, as specified in 40 CFR 60, Subpart VVV, as amended, as adopted January 10, 1990.
- UUU. Municipal Waste Solid Waste Landfills, as specified in 40 CFR 60, Subpart Cc and Subpart WWW (as promulgated in 61 FR 9919, March 12, 1996) as adopted by Knox County on October 9, 1996.
- VVV. Standards of Performance for New Residential Wood Heaters; as specified in 40 CFR 60, Subpart AAA, as amended, as adopted by Knox County on July 21, 1999.
- WWW. Standards of Performance for Hospital/Medical/Infectious Waste Incinerators for which construction is commenced after June 20, 1996; as specified in 40 Subpart Ec, as amended, as adopted by Knox County on July 21, 1999.
- AAAA. New Source Performance Standards for New Small Municipal Waste Combustion Units; as specified in 40 CFR 60, Subpart AAAA, as amended, as adopted April 11, 2001.
- CCCC. Standards of Performance for Commercial and Industrial Solid Waste Incinerator Units for Which Construction is Commenced after November 30, 1999; as specified in 40 CFR 60, Subpart CCCC, as amended, as adopted April 11, 2001.
- DDDD. General Provisions; as specified in 40 CFR 60, Subpart A, as amended, as adopted October 10, 2001.
- EEEE. Standards of Performance for Other Solid Waste Incineration Units which Construction is commenced after December 9, 2004, or for which modification or Reconstruction is commenced on or after June 16, 2006; as specified in 40 CFR 60, Subpart 60, Subpart EEEE, as amended, as adopted April 12, 2006.
- FFFF. Emissions Guidelines and Compliance times for other Solid Waste Incineration Units that commenced Construction on or before December 9, 2004; as specified in 40 CFR 60, Subpart FFFF, as amended, as adopted April 12, 2006.

GGGG. Reserved.

HHHH. Reserved.

III. Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, as specified in 40 CFR 60, Subpart III, as amended, as adopted by Knox County on April 16, 2008.

JJJ. Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, as specified in 40 CFR 60, Subpart JJJ, as amended, as adopted by Knox County on April 16, 2008.

KKKK. Standards of Performance for Stationary Combustion Turbines, as specified in 40 CFR 60, Subpart KKKK, as amended, as adopted by Knox County on April 16, 2008.

LLLL. Standards of Performance for New Sewage Sludge Incinerator Units, as specified in 40 CFR 60, Subpart LLLL, as amended, as adopted by Knox County on October 26, 2011.

MMMM. Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units, as specified in 40 CFR 60, Subpart MMMM, as amended, as adopted by Knox County on October 26, 2011.

NNNN. Standards of for Nitric Acid Plants for which Construction, Reconstruction or Modification Commenced After October 14, 2011, as specified in 40 CFR 60, Subpart Ga, as amended, as adopted by Knox County on October 17, 2012.

OOOO. Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution, as specified in 40 CFR 60, Subpart OOOO, as amended, as adopted by Knox County on January 15, 2014.

OOOO(a). Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced After September 18, 2015, as specified in 40 CFR 60, Subpart OOOOa, as amended, as adopted by Knox County on July 20, 2016.