

Nebraska Department of Water, Energy, and Environment

The National Emission Standards for Hazardous Air Pollutants (NESHAP) and New Source Performance Standards (NSPS) notebooks are to be used as an assistance tool to help comply with state and federal regulations. The Notebooks are not inclusive and are not meant to serve as a substitute for compliance with all applicable regulations. If you have corrections, comments, or questions regarding the notebooks, NSPS, NESHAP or permitting, please contact us at DWEE.AirQuality@nebraska.gov or 402-471-2186.

NSPS Notebook

Volatile Organic Compound Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes After June 29, 1990, and on or Before April 25, 2023

eCFR 40 CFR Part 60 Subpart RRR

40 CFR Part 60 Subpart RRR	Volatile Organic Compound Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes After June 29, 1990, and on or Before April 25, 2023
Amendment Dates	09/12/2024 05/16/2024 12/14/2000 10/17/2000 11/27/1995 08/31/1993
Am I Subject to this subpart?	I. This subpart applies to: (A) Affected facilities that are part of a process unit that produces any of the chemicals listed in 40 CFR 60.707 as a product, co-product, by-product, or intermediate, and that commence construction, modification, or reconstruction after June 29, 1990, and on or before April 25, 2023 (B) Affected facilities: (1) Reactor processes that do not discharge their vent stream into a recovery system; (2) The combination of a reactor process and the recovery system into which it discharges its vent stream; (3) Combinations of two or more reactor processes and the common recovery system into which their vent streams are discharged II. Not subject to this subpart: (A) Any reactor process designed and operated as a batch operation.

	(B) Any reactor process operating as part of a process unit that produces beverage alcohols; (C) Any reactor process that does not use, contain, or produce any VOC; (D) Any reactor process that is subject to NSPS DDD; III. Partial Exemptions*: (A) Affected facilities with a total resource effectiveness (TRE) index value greater than 8.0; (B) Affected facilities in a process unit with a total design capacity for all chemicals produced within that unit of less than 1 gigagram per year (1,100 tons per year); (C) Affected facilities operated with a vent stream flow rate less than 0.011 scm/min; (D) Affected facilities with vent streams that are routed to a distillation unit subject to NSPS NNN, with no other releases to the air except for a pressure relief valve; (E) Affected facilities operating with a concentration of total organic compounds (less methane and ethane) in the vent stream of less than 300 ppmv as measured by Method 18; or concentrations of TOC in the vent stream of less than 150 ppmv as measured by Method 25A *These facilities must still comply with certain testing, recordkeeping, and reporting requirements. Please see the rule text for full details
Related Rules	NSPS - 40 CFR Part 60 Subpart 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 Subpart VVa - Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006, and on or Before April 25, 2023 Subpart III - Volatile Organic Compound (VOC) Emissions From the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes After October 21, 1983, and on or Before April 25, 2023 Subpart IIIa - Volatile Organic Compound (VOC) Emissions From the Synthetic Organic Chemical Manufacturing Industry (SOCMI)

	Air Oxidation Unit Processes for Which Construction, Reconstruction, or Modification Commenced After April 25, 2023 Subpart NNN - Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations After December 30, 1983, and on or Before April 25, 2023 Subpart NNNa - Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations for Which Construction, Reconstruction, or Modification Commenced After April 25, 2023 Subpart DDD - VOC Emissions from the Polymer Manufacturing Industry NESHAP - 40 CFR Part 63 Subpart FFFF - Misc. organic chemical production & processes (MON) Subpart F - Portland Cement Plants Subpart G - Nitric Acid Plants Subpart H - Sulfuric Acid Plants Subpart J - Polyvinyl chloride and copolymers production, Subpart DDDDDD - Polyvinyl chloride and copolymers production Subpart U - Phosphate Fertilizer Industry: Superphosphoric Acid Plants Subpart W - Phosphate Fertilizer Industry: Triple Superphosphate Plants Subpart JJJ - Petroleum Dry Cleaners Subpart OOO - Nonmetallic Mineral Processing Plants Subpart XX - Ethylene manufacturing, Subpart PPP - Polyether polyols production, Subpart HHHHH - Miscellaneous coating manufacturing, Subpart VVVVVV - Chemical manufacturing, Subpart BBBBBBBB - Chemical preparation Subpart CCCCCC - Paints and allied products manufacturing
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