

Nebraska Department of Water, Energy, and Environment

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Air Toxics Notebook

Polyether Polyols Production

eCFR 40 CFR Part 63 Subpart PPP

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Amendment Dates	11/19/2020 03/27/2014 04/20/2006 06/23/2003 05/08/2000 06/14/1999 06/01/1999
Am I Subject to this subpart?	I. This subpart applies to: (A) Polyether polyol manufacturing process units (PMPU) and associated affected sources at Major Sources of HAPs*. (B) Associated Affected Sources: (1) Waste management units; (2) Maintenance wastewater; (3) Heat exchange systems; (4) Components required by or utilized as a method of compliance with this subpart, including control or recovery techniques or devices; (5) Product finishing operations; (6) Feed or catalyst operations. Definition of "Polyether polyol manufacturing process unit": (A) A process unit that manufactures a polyether polyol as its primary product, or a process unit designated as a polyether polyol manufacturing unit in accordance with §63.1420(e)(2). (B) A polyether polyol manufacturing process unit consists of more than one unit operation. This collection of equipment includes purification systems, reactors and their associated product separators and recovery devices, distillation units and their associated distillate

	receivers and recovery devices, other associated unit operations, storage vessels, surge control vessels, bottoms receivers, product transfer racks, connected ducts and piping, combustion, recovery, or recapture devices or systems, and the equipment (i.e., all pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, and instrumentation systems that are associated with the PMPU) that are subject to the equipment leak provisions as specified in §63.1434. *Major Sources of HAPs emit or have the potential to emit: (1) ≥ 10 tons/year of any single HAP; or (2) ≥ 25 tons/year of total HAPs. Area Sources emit less than Major Sources II. Exempt to this Subpart: (A) Research and development facilities (B) Solvent reclamation, recovery, or recycling operations at hazardous waste treatment, storage and disposal facilities. (C) Reactions or processing that occur after the epoxide polymerization is complete and after all catalyst removal steps, if any, are complete. (D) PMPU's which have terminated production of polyether polyols with no anticipation of future production of polyether polyols. (E) The following emissions from affected sources: (1) Components and equipment that do not contain organic HAP or that contain organic HAP as impurities only. (2) Stormwater managed in segregated sewers. (3) Water from firefighting and deluge systems in segregated sewers. (4) Spills. (5) Water from safety showers. (6) Water from testing of deluge or fire-fighting systems. (7) Vessels that store and/or handle material that contains no organic HAP or has organic HAP as impurities only. (8) Equipment that operates in organic HAP service for < 300 hours during the calendar year. (9) Loading racks, arms, or hoses that only transfer liquids containing HAP as impurities.
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	(10) Loading racks, arms, or hoses that vapor balance during all loading operations. (11) Utility fluids, such as heat transfer fluids. III. Partial Exemption to this Subpart: (A) PMPU's in which an organic HAP is not used or manufactured in the production of polyether polyols. (1) Must retain information, data, and analysis used to document basis of exemption determination (2) Must be capable of demonstrating, upon request, that PMPU is exempt.
Related Rules	
Page Last Updated	07/01/2025