

**REGULATION 8
ORGANIC COMPOUNDS
RULE 9
VACUUM PRODUCING SYSTEMS
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**REGULATION 8
ORGANIC COMPOUNDS
RULE 9
VACUUM PRODUCING SYSTEMS**

8-9-100 GENERAL

8-9-101 Description: The purpose of this Rule is to limit emission of precursor organic compounds from vacuum producing systems. (Amended 3/17/82, 7/20/83)

8-9-110 Exemption, Vacuum Tank Trucks: The requirements of Section 8-9-301 shall not apply to vacuum tank trucks which are governed by the requirements of Rule 2 - Miscellaneous, of this Regulation 8.

8-9-111 Exemption, Chemical Plants: The provisions of Section 8-9-301 shall not apply to chemical plants until January 1, 1985. (Adopted 7/20/83)

8-9-200 DEFINITIONS

8-9-201 Chemical Plants: Any facility engaged in producing organic or inorganic chemicals and/or manufacturing products by chemical processes. Any facility or operation that has 28 as the first two digits in their Standard Industrial Classification Code as determined from the Standard Industrial Classification manual published in 1972 by the Executive Office of the President, Office of Management and Budget. Chemical plants may include, but are not limited to the manufacture of: industrial inorganic and organic chemicals; plastic and synthetic resins, synthetic rubber, synthetic and other man made fibers; drugs, soap, detergents and cleaning preparations, perfumes, cosmetics and other toilet preparations; paints, varnishes, lacquers, enamels and allied products; agricultural chemicals; safflower and sunflower oil extracts; re-refining. (Adopted 7/20/83)

8-9-202 Deleted November 3, 2021

8-9-203 Vacuum Producing Systems: Vacuum producing systems include, but are not limited to, steam ejectors with contact (barometric) condensers, steam ejectors with surface condensers, and mechanical vacuum pumps.

8-9-204 Alternative Feedstock: Any feedstock, intermediate, product or byproduct material that contains organic material that is not derived from crude oil product, coal, natural gas, or any other fossil-fuel based organic material.

(Adopted 11/3/21)

8-9-205 Refinery: An establishment that is located on one or more contiguous or adjacent properties that processes any organic feedstock, to produce more usable products such as gasoline, diesel fuel, aviation fuel, lubricating oils, asphalt or petrochemical feedstocks, or any other similar product. Refinery processes include separation processes (e.g., atmospheric or vacuum distillation, and light ends recovery), conversion processes (e.g., cracking, reforming, alkylation, polymerization, isomerization, coking, and visbreaking), treating processes (e.g., hydrodesulfurization, hydrotreating, chemical sweetening, acid gas removal, and deasphalting), feedstock and product handling (e.g., storage, crude oil blending, non-crude oil feedstock blending, product blending, loading, and unloading), and auxiliary facilities (e.g., boilers, waste water treatment, hydrogen production, sulfur recovery plant, cooling towers, blowdown systems, compressor engines, and power plants).

(Adopted 11/3/21)

8-9-300 STANDARDS

8-9-301 Vacuum Producing Systems: The control of precursor organic compound emissions from vacuum producing systems at refineries and chemical plants shall be accomplished by employing the following equipment and/or strategies:

301.1 Non-Condensable precursor organic emissions from vacuum producing

systems must either be controlled and piped to an appropriate firebox or incinerator for combustion, or be collected, compressed, and added to the fuel gas system, or be contained and treated so as to prevent their emission into the atmosphere.

- 301.2 Hot wells and/or accumulators associated with vacuum system condensers must be covered and the precursor organic vapors must either be incinerated or contained and treated so as to prevent their emission into the atmosphere.
(Amended 7/20/83;11/3/21)

8-9-400 ADMINISTRATIVE REQUIREMENTS

8-9-401 Increments of Progress: A person at a chemical plant who must modify existing sources or install new control equipment to comply with the requirements of this Rule shall comply with the following compliance schedule:

- 401.1 January 1, 1984: Submit to the APCO a final control plan which describes, as a minimum, the steps, including a construction schedule, that will be taken to achieve compliance with such requirements.
401.2 July 1, 1984: Submit a completed application for any Authority to Construct necessary to achieve compliance with such requirements.
401.3 January 1, 1985: Be in compliance with all the requirements of this Rule.
(Amended 7/20/83)

8-9-600 MANUAL OF PROCEDURES

8-9-601 Determination of Emissions: Emissions of organic compounds as specified in Section 8-9-301 shall be measure as prescribed in the Manual of Procedures, Volume IV, ST-7 or any other method approved by the APCO.
(Adopted 3/17/83; Amended 11/3/21)