

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

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**REGULATION 8
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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 Petroleum Refinery: Any facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants or other products through distillation of petroleum or through redistillation, cracking, rearrangement or reforming of unfinished petroleum derivatives. (Adopted 7/20/83)

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.

8-9-300 STANDARDS

8-9-301 Vacuum Producing Systems: The control of precursor organic compound emissions from vacuum producing systems at petroleum 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)

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.
(Adopted 3/17/83)