

**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 18  
EQUIPMENT LEAKS**

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**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 18  
EQUIPMENT LEAKS**

(Adopted October 1, 1980)

**8-18-100 GENERAL**

**8-18-101 Description:** The purpose of this Rule is to limit emissions of total organic compounds from equipment leaks at refineries, chemical plants, bulk plants, and bulk terminals including, but not limited to: valves, connectors, pumps, compressors, pressure relief devices, diaphragms, hatches, sight-glasses, fittings, sampling ports, meters, pipes, and vessels.

*(Amended 3/17/82; 3/4/92; 1/7/98; 1/21/04; 9/15/04; 12/16/15; 11/3/21)*

**8-18-110 Exemption, Controlled Seal Systems and Pressure Relief Devices:** The provisions of this Rule shall not apply to seal systems and pressure relief devices vented to a vapor recovery or disposal system which reduces the emissions of organic compounds from the equipment by 95% or greater as determined according to Section 8-18-603.

*(Amended, Renumbered 1/7/98; Amended 1/21/04)*

**8-18-111 Exemption, Small Facilities:** The provisions of this rule shall not apply to facilities which have less than 100 valves or less than 10 pumps and compressors. Such facilities are subject to the requirements of Regulation 8, Rule 22.

*(Adopted 3/4/92; Amended, Renumbered 1/7/98)*

**8-18-112 Exemption, Bulk Plant and Terminal Loading Racks:** The provisions of this rule shall not apply to those connections at the interface between the loading rack and the vehicle being loaded.

*(Adopted 3/4/92; Amended, Renumbered 1/7/98)*

**8-18-113 Limited Exemption, Initial Boiling Point:** Until January 1, 2018, the provisions of Sections 8-18-400 shall not apply to equipment which handle organic liquids having an initial boiling point greater than 302° F.

*(Adopted 3/4/92; Amended, Renumbered 1/7/98, Amended 12/16/15)*

**8-18-114 Limited Exemption, Research and Development:** The provisions of Sections 8-18-401, 402 and 502 shall not apply to research and development plants which produce only non-commercial products solely for research and development purposes.

*(Adopted 3/4/92; Amended, Renumbered 1/7/98)*

**8-18-115 Limited Exemption, Storage Tanks:** The provisions of this rule shall not apply to appurtenances on storage tanks including pressure relief devices, which are subject to requirements contained in Regulation 8, Rule 5: Storage of Organic Liquids.

*(Adopted January 7, 1998)*

**8-18-116 Limited Exemption, Vacuum Service:** The provisions of Sections 8-18-400 and 502 shall not apply to equipment in vacuum service.

*(Amended January 7, 1998)*

**8-18-117 Limited Exemption, Visual Inspection:** The provisions of Section 8-18-403 shall not apply to days when a facility is not staffed.

*(Amended, Renumbered January 7, 1998)*

**8-18-118 Deleted January 7, 1998**

**8-18-119 Limited Exemption, Open-Ended Valve or Line:** The provisions of Section 8-18-309 shall not apply to the following:

119.1 Open-ended valves or lines in an emergency shutdown system which are designed to open automatically in the event of a process upset.

119.2 Open-ended valves or lines containing materials which would autocatalytically polymerize or would present an explosion, serious overpressure, or other safety hazard if capped or equipped with a double block and bleed system.

*(Adopted December 16, 2015)*

**8-18-120 Limited Exemption, Non-repairable Equipment:** The provisions of Sections 8-18-306 and 311 shall not apply to equipment added to the non-repairable equipment list prior to December 16, 2015 except that:

- 120.1 The equipment must be counted toward the total number of pieces of equipment allowed by Section 8-18-306.2.
- 120.2 Any connection on the list must be counted as two valves toward the total number of non-repairable valves allowed by Section 8-18-306.2.
- 120.3 Any valve on the list with a leak that cannot be minimized below a concentration of 10,000 parts per million (ppm), expressed as methane, may not remain on the list for more than 45 days after leak discovery unless the mass emission rate has been measured in accordance with Section 8-18-604 and has been determined to be less than 15 pounds per day.
- 120.4 The equipment must be repaired or replaced within five years or at the next scheduled turnaround, whichever date comes first.

*(Adopted December 16, 2015)*

## **8-18-200 DEFINITIONS**

**8-18-201 Background:** The ambient concentration of total organic compounds determined at least 3 meters (10 feet) upwind from the equipment to be inspected and not influenced by any specific emission point as indicated by a hydrocarbon analyzer specified by Section 8-18-501.

*(Amended March 4, 1992)*

**8-18-202 Bulk Plants and Terminals:** A distribution facility that is subject to Regulation 8, Rule 6, 33 or 39.

*(Amended, Renumbered 1/7/98, Amended 12/16/15)*

**8-18-203 Chemical Plant:** Any facility engaged in producing organic or inorganic chemicals and/or manufacturing products by chemical processes, including (1) any facility or operation that has 325 as the first three digits in the North American Industrial Classification Standard (NAICS) code, (2) any facility that manufactures industrial inorganic and organic chemicals; plastic and synthetic resins, synthetic rubber, synthetic and other manmade 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; and (3) any facility engaged in re-refining.

*(Amended, Renumbered 1/7/98; Amended 1/21/04, 12/16/15)*

**8-18-204 Connection:** Flanged, screwed, or other joined fittings used to connect any piping or equipment, including any fitting connecting equipment to piping or other equipment, such as a valve bonnet flange or pump flange

*(Amended, Renumbered 1/7/98; Amended 1/21/04, 12/16/15)*

**8-18-205 Equipment:** All components including, but not limited to: valves, connections, pumps, compressors, pressure relief devices, diaphragms, hatches, fittings, sampling ports, pipes, plugs, gauges or sight-glasses.

*(Amended, Renumbered 1/7/89, Amended 12/16/15)*

**8-18-206 Inaccessible Equipment:** Any equipment located over 13 feet above the ground when access is required from the ground; or any equipment located over 6.5 feet away from a platform when access is required from a platform.

*(Amended, Renumbered January 7, 1998)*

**8-18-207 Inspection:** The determination of the concentration of total organic compounds leaking from equipment using EPA Reference Method 21 as required by Section 8-18-501.

*(Amended, Renumbered January 7, 1998)*

**8-18-208 Leak:** The concentration of total organic compounds above background, expressed as methane, as measured in accordance with Section 8-18-602.

*(Amended, Renumbered 1/7/98; 1/21/04, Amended 12/16/15)*

**8-18-209 Leak Minimization:** Reducing the leak to the lowest achievable level using best modern practices and without shutting down the process the equipment serves. Leak minimization is the most common method for repair. Leak minimization includes but is not limited to tightening of packing gland nuts, injecting lubricant into lubricated packing, tightening bonnet bolts, tightening flange bolts, or installing plugs or caps into open ended lines or valves. Cleaning, scrubbing, or washing equipment alone is not considered best modern practice.

*(Renumbered 3/17/82; Amended 3/4/92, 1/7/98, 12/16/15)*

- 8-18-210 Leak Repair:** The tightening, adjustment, addition of material, or the replacement of the equipment using best modern practices, which reduces the leakage to the atmosphere below the applicable standard in Section 8-18-300.  
*(Renumbered 3/17/82; Amended 3/4/92; 1/7/98, 12/16/15)*
- 8-18-211 Liquid Leak:** Dripping of liquid at a rate of greater than 3 drops per minute and a concentration of total organic compounds greater than the applicable leak standard in Section 8-18-300.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-212 Organic Compound:** Any compound of carbon, excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-213 Deleted November 3, 2021**
- 8-18-214 Pressure Relief Device:** The automatic pressure-relieving device actuated by the static pressure upstream of the device including, but not limited to, pressure relief valves and rupture disks.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-215 Process Unit:** A manufacturing process which is independent of other processes and is continuous when supplied with a constant feed or raw materials and has sufficient storage facilities for product.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-216 Quarter:** One of the four consecutive 3-month divisions of the calendar year beginning on January 1.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-217 Reinspection:** Any inspection following the minimization or repair of leaking equipment.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-218 Rupture Disc:** The thin metal diaphragm held between flanges.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-219 Total Organic Compounds:** The concentration of organic compounds and methane as indicated by a hydrocarbon analyzer as specified by Section 8-18-501.  
*(Amended, Renumbered 1/7/98; Amended 1/21/04)*
- 8-18-220 Turnaround:** The scheduled shutdown of a process unit for maintenance and repair work.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-221 Valve:** Any device that regulates the flow of process material by means of an external actuator acting to permit or block passage of liquids or gases.  
*(Amended, Renumbered January 7, 1998)*
- 8-18-222 Weephole:** A drain hole in the discharge horn of a pressure relief device.  
*(Adopted January 7, 1998)*
- 8-18-223 Deleted January 7, 1998**
- 8-18-224 Deleted January 7, 1998**
- 8-18-225 Deleted December 16, 2015**
- 8-18-226 Essential Equipment:** Any valve, connection, pressure relief device, pump or compressor that cannot be taken out of service without shutting down the process unit that it serves.  
*(Adopted December 16, 2015)*
- 8-18-227 Open-Ended Valve or Line:** Any valve, except a safety relief valve, having one side of the valve seat in contact with process fluid and one side open to the atmosphere, either directly or through open piping.  
*(Adopted December 16, 2015)*
- 8-18-228 Double Block Bleed System:** Two block valves connected in series with a bleed valve or line that can vent the line between the two block valves.  
*(Adopted December 16, 2015)*
- 8-18-229 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 November 3, 2021)*
- 8-18-230 Refinery:** An establishment that is located on one or more contiguous or adjacent properties that processes any petroleum or alternative 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 November 3, 2021)*

## **8-18-300 STANDARDS**

**8-18-301 General:** Except for valves, pumps and compressors, connections and pressure relief devices subject to the requirements of Sections 8-18-302, 303, 304, 305 and 306, a person shall not use any equipment that leaks total organic compounds in excess of 100 ppm unless the leak has been discovered by the operator, minimized within 24 hours and repaired within 7 days.

*(Amended 7/15/81; 3/17/82; 9/6/89; 3/4/92; 1/7/98)*

**8-18-302 Valves:** Except as provided in Section 8-18-306, a person shall not use any valve that leaks total organic compounds in excess of 100 ppm unless one of the following conditions is met:

302.1 If the leak has been discovered by the operator, minimized within 24 hours and repaired within 7 days; or

302.2 If the leak has been discovered by the APCO, the leak must be repaired within 24 hours.

*(Adopted 3/4/92; Amended 1/7/98, 1/21/04, 12/16/15)*

**8-18-303 Pumps and Compressors:** Except as provided in Section 8-18-306, a person shall not use any pump or compressor that leaks total organic compounds in excess of 500 ppm unless one of the following conditions is met:

303.1 If the leak has been discovered by the operator, minimized within 24 hours and repaired within 7 days; or

303.2 If the leak has been discovered by the APCO, the leak must be repaired within 24 hours.

*(Adopted 3/4/92; Amended 1/7/98, 1/21/04, 12/16/15)*

**8-18-304 Connections:** Except as provided in Section 8-18-306, a person shall not use any connection that leaks total organic compounds in excess of 100 ppm unless one of the following conditions is met:

304.1 If the leak has been discovered by the operator, minimized within 24 hours and repaired within 7 days; or

304.2 If the leak has been discovered by the APCO, the leak must be repaired within 24 hours.

*(Adopted 3/4/92; Amended 1/7/98, 1/21/04, 12/16/15)*

**8-18-305 Pressure Relief Devices:** Except as provided in Section 8-18-306, a person shall not use any pressure relief device that leaks total organic compounds in excess of 500 ppm unless the leak has been discovered by the operator, minimized within 24 hours and repaired within 15 days; or if the leak has been discovered by the APCO, minimized within 24 hours and repaired within 7 days.

*(Amended 1/7/98, 12/16/15)*

**8-18-306 Non-repairable Equipment:** Any essential equipment leak that cannot be repaired as required by Section 8-18-302, 303, 304 or 305 may be placed on a non-repairable list provided the operator complies with the following conditions:

306.1 Any essential equipment leak must be less than 10,000 ppm and mass emissions must be determined within 30 days of placing on the non-repairable list. The APCO must be notified no less than 96 hours prior to conducting mass emissions measurements.

306.2 The number of individual pieces of equipment awaiting repair does not exceed that portion of the total population for each equipment type expressed in the table below, rounded to the next higher whole number.

Equipment	Total Number of Non-repairable Equipment Allowed (%)
Valves and Connections as allowed by Section 8-18-306.3	0.15% of total number of valves
Pressure Relief Devices	0.5% of total number of pressure relief devices
Pumps and Compressors	0.5% of total number of pumps and compressors

306.3 A connection can be considered non-repairable equipment pursuant to Section 8-18-306 provided each non-repairable connection is counted as two valves toward the total number of non-repairable valves allowed.

306.4 The essential equipment is repaired or replaced within five years or at the next scheduled turnaround, whichever date comes first.

*(Adopted 3/4/92; Amended 1/7/98, 1/21/04, 12/16/15)*

**8-18-307 Liquid Leak:** A person shall not use any equipment that leaks liquid as defined in Section 8-18-211, unless the leak has been discovered by the operator, minimized within 24 hours and repaired within 7 days.

*(Adopted 3/4/92; Amended 1/7/98)*

**8-18-308 Alternate Compliance:** The requirements of Sections 8-18-301, 302, 303, 304, 305, 306 and 307 shall not apply to any facility which complies with an alternative emission reduction plan that satisfies all the requirements in Sections 8-18-405 and 406.

*(Adopted January 7, 1998)*

**8-18-309 Open-Ended Valve or Line:** Open-ended valves or lines shall be equipped with a cap, blind flange, plug or second valve which shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.

309.1 When a double block and bleed system is installed, the second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

309.2 When a double block and bleed system is in use, the bleed valve or line may remain open during operations that require venting the line between the block valves, but shall comply with Sections 8-18-309 and 309.1 at all times.

309.3 When a double block and bleed system is not in use, the open end of the second valve shall not leak greater than 100 ppm.

*(Adopted December 16, 2015)*

**8-18-310 Recurrent Leaks:** If a valve, pump, compressor or PRD is found leaking more than 3 consecutive quarters, the inspection frequency shall change from quarterly to monthly pursuant to Section 8-18-407.

*(Adopted December 16, 2015)*

**8-18-311 Mass Emissions:** A person shall not use any equipment that emits total organic compounds in excess of five pounds per day except during any repair periods allowed by Sections 8-18-301, 302, 303, 304, and 305.

*(Adopted December 16, 2015)*

**8-18-400 ADMINISTRATIVE REQUIREMENTS**

**8-18-401 Inspection:** Any person subject to this Rule shall comply with the following inspection requirements:

401.1 All equipment that has been opened during a turnaround shall be inspected for leaks within 90 days after start-up is completed following a turnaround.

- 401.2 Except as provided under Subsection 8-18-401.3, 404, 405, and 406 all valves, pressure relief devices, pumps or compressors subject to this Rule shall be inspected quarterly.
- 401.3 Inaccessible valves and pressure relief devices subject to this Rule shall be inspected at least once a year unless found leaking pursuant to Subsection 8-18-403.
- 401.4 Any equipment subject to this Rule may be inspected at any time by the APCO.
- 401.5 Any equipment found to have a leak in excess of the standard in Section 8-18-300 shall be reinspected within 24 hours after any leak repair or minimization.
- 401.6 Any connections subject to this rule shall be inspected annually or be part of an APCO and EPA approved connection inspection program.
- 401.7 Any pressure relief device equipped with a weep hole shall be inspected quarterly at the outlet of the weep hole if the horn outlet is inaccessible.
- 401.8 Any pressure relief device that releases to the atmosphere shall be inspected within 5 working days after the release event.
- 401.9 Any essential equipment placed on the non-repairable list shall be inspected at least once per quarter.
- 401.10 The mass emission rate of any essential equipment placed on the non-repairable list in accordance with Section 8-18-306 shall be determined at least once per calendar year. The APCO shall be notified no less than 96 hours prior to conducting the measurements required by this section.
- 401.11 The owner/operator shall identify the equipment and/or source of any background reading greater than 50 ppm.

*(Amended 12/16/15)*

**8-18-402 Identification:** Any person subject to this Rule shall comply with the following identification requirements:

- 402.1 All valves, pressure relief devices, pumps and compressors, and, effective January 1, 2017, connectors shall be identified with a unique permanent identification code approved by the APCO. This identification code shall be used to refer to the valve, connector, pressure relief device, pump or compressor location. Records for each valve, connector, pressure relief device, pump or compressor shall refer to this identification code.
- 402.2 All equipment with a leak in excess of the applicable leak limitation in Section 8-18-300 shall be tagged with a brightly colored weatherproof tag indicating the date the leak was detected.

*(Amended 3/4/92, 1/7/98, 12/16/15)*

**8-18-403 Visual Inspection Schedule:** All pumps and compressors shall be visually inspected daily for leaks. If a leak is observed, the concentration shall be determined within 24 hours of discovery pursuant to Section 8-18-602.

*(Renumbered 1/7/98; Amended 12/16/15)*

**8-18-404 Alternative Inspection Schedule:** The inspection frequency for valves or pumps may change from quarterly to annually provided all of the conditions in Subsection 404.1 and 404.2 are satisfied.

- 404.1 The valve or pump has been operated leak free for five consecutive quarters; and
- 404.2 Records are submitted to the District and approved by the APCO.
- 404.3 The valve or pump remains leak free pursuant to the Sections 8-18-302 and 303. If a leak is discovered, the inspection frequency will revert back to quarterly.

*(Adopted 1/7/98; Amended 12/16/15)*

**8-18-405 Alternate Emission Reduction Plan:** Any person may comply with Section 8-18-308 by developing and submitting an alternate emission reduction plan to the APCO that satisfies all of the following conditions:

- 405.1 The plan shall contain all information necessary to establish, document, measure progress and verify compliance with an emission reduction level set forth in this rule.



- 405.2 All emission reductions must be achieved solely from equipment and connections subject to this rule.
- 405.3 Public notice and a 60-day public comment period shall be provided.
- 405.4 Following the public comment period, the plan shall be submitted to and approved in writing by the EPA, Region IX prior to the APCO approval of the plan.
- 405.5 An alternate emission reduction plan must provide for emission reductions equal to or greater than required by the specific limits in this rule.

*(Adopted 1/7/98; Amended 11/27/02)*

**8-18-406 Interim Compliance:** A facility is subject to the limits contained in Sections 8-18-301, 302, 303, 304, 305, 306 and 307 until receipt of the written approvals of both the APCO and the EPA of an Alternate Emission Reduction Plan that complies with Section 8-18-405.

*(Adopted 1/7/98; Amended 11/27/02)*

**8-18-407 Recurrent Leak Schedule:** For any valve, pump, compressor or pressure relief device found leaking in more than three consecutive quarters, a person subject to this Rule shall comply with the following requirements:

- 407.1 The inspection frequency shall be changed from quarterly to monthly; and
- 407.2 Records of each valve, pump, compressor and pressure relief device changed to monthly monitoring shall be submitted to the District each quarter pursuant to Section 8-18-503.1.
- 407.3 If the valve, pump, compressor or pressure relief device remains leak free for four consecutive months pursuant to Sections 8-18-302, 303 and 305 the inspection frequency will revert back to quarterly upon request and after APCO approval.

*(Adopted December 16, 2015)*

**8-18-500 MONITORING AND RECORDS**

**8-18-501 Portable Hydrocarbon Detector:** Any instrument used for the measurement of total organic compounds shall be a combustible gas indicator that has been approved by the APCO and meets the specifications and performance criteria of and has been calibrated in accordance with EPA Reference Method 21 (40 CFR 60, Appendix A).

*(Amended 3/17/82, 9/6/89, 3/4/92, 12/16/15)*

**8-18-502 Records:** Any person subject to the requirements of this rule shall maintain records that provided the following information:

- 502.1 For equipment subject to Section 8-18-402.1, the equipment identification code, equipment type and the location of the equipment.
- 502.2 The date, time, type of repairs and corresponding leak concentrations measured on all inspections and reinspections as specified by Section 8-18-401.
- 502.3 Records shall be maintained for at least 5 years and shall be made available to the APCO for inspection at any time.
- 502.4 Records of all non-repairable equipment subject to the provisions of Section 8-18-306 shall be maintained and contain the equipment identification code, equipment type, equipment location, initial leak concentration measurement and date, quarterly leak concentration measurements and dates, the duration the equipment has been on the non-repairable list, date of any repair attempts made to equipment, mass emission rate determinations, date the determination was made, last process unit turnaround date, total number of non-repairable equipment awaiting repair, and explanation why equipment was deemed essential equipment.
- 502.5 Records of all equipment and/or sources identified as a result of background readings greater than 50 ppm.
- 502.6 Effective January 1, 2018, Piping and Instrumentation Diagrams (P&IDs) with all components in heavy liquid service clearly identified.

*(Adopted 3/4/92; Amended 1/7/98, 12/16/15)*

**8-18-503 Reports:** Any person subject to the requirements of this rule shall submit the following information to the District:

- 503.1 Effective July 1, 2016, a report shall be submitted to the APCO quarterly that includes the following information:
- 3.1.1 The equipment identification code, equipment type, stream service, equipment location, leak concentration measurement and date, leak repair method and concentration measurements of any valves, pumps, compressors and PRDs found leaking in more than 3 consecutive quarters pursuant to Section 8-18-310.
  - 3.1.2 Records of all non-repairable equipment subject to the provisions of Section 8-18-306 shall be submitted to the District quarterly and contain the equipment identification code, equipment type, equipment location, initial leak concentration measurement and date, the duration the equipment has been on the non-repairable list, any repair attempts made to equipment, mass emission rate determination, date the determination was made, last process unit turnaround date, total number of non-repairable equipment awaiting repair and explanation why equipment was deemed essential equipment.
- 503.2 Effective July 1, 2016, a person subject to this rule shall submit to the District an inventory identifying the total numbers of valves, pressure relief devices, pumps and compressors and connections to which this rule applies broken down per unit or other grouping if component is not associated with an individual unit. After review and approval of the initial inventory by the APCO, annual inventory updates shall be submitted to the District every January 1st.
- 503.4 Inspection records of all equipment opened during a turnaround shall be submitted to the District the first month following completion of the 90-day startup up leak inspections pursuant to Section 8-18-401.1.
- 503.5 By January 1, 2018, submit records required by Section 8-18-502.6 and annually thereafter for information that has changed since last submittal.  
*(Adopted 1/21/04; Amended 12/16/15)*

## **8-18-600 MANUAL OF PROCEDURES**

- 8-18-601 Analysis of Samples:** Samples of organic compounds as defined in Section 8-18-113 shall be analyzed for Initial Boiling Point as prescribed in ASTM D-1078- 98 or ASTM D-86.  
*(Adopted 3/17/82; Amended 3/4/92; 1/7/98)*
- 8-18-602 Inspection Procedure:** Inspections of equipment shall be conducted as prescribed by EPA Reference Method 21 (40 CFR 60, Appendix A).  
*(Adopted 9/6/89; Amended 3/4/92; 1/7/98)*
- 8-18-603 Determination of Control Efficiency:** The control efficiency as specified by Section 8-18-110 shall be determined by any of the following methods: 1) BAAQMD Manual of Procedures, Volume IV, ST-7, 2) EPA Method 25 or 25A. A source shall be considered in violation if the emissions of organic compounds measured by any of the referenced test methods exceed the standards of this rule.  
*(Amended, Renumbered 1/7/98; Amended 1/21/04)*
- 8-18-604 Determination of Mass Emissions:** The mass emission determination as specified by Section 8-18-306 and Section 8-18-311 shall be made using any of the following methods: 1) EPA Protocol for Equipment Leak Emission Estimates, Chapter 4, Mass Emission Sampling, (EPA-453/R-95-017) November, 1995 or 2) or a mass emission monitoring method determined to be equivalent by the EPA and approved by the APCO.  
*(Adopted 1/7/98; Amended 1/21/04, 12/16/15)*