

AIR POLLUTION CONTROL REGULATION NO. 14

RECORD KEEPING AND REPORTING

Effective 14 May 1973

Last Amended 8 April 1996

**RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF AIR RESOURCES
AIR POLLUTION CONTROL REGULATION NO. 14**

RECORD KEEPING AND REPORTING

14. Record Keeping and Reporting

14.1 Definitions

14.1.1 "Actual emissions" means the actual calculated or measured rate of emissions of a pollutant from an emissions unit for the calendar year or seasonal period. Actual emission estimates must include upsets, downtime and fugitive emissions if applicable.

14.1.2 "Certifying individual" means the individual responsible for the completion and certification of the emission statement (e.g., officer of the company) and who will take legal responsibility for the emission statement's accuracy.

14.1.3 "Facility" means all pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control). Pollutant-emitting activities shall be considered as part of the same industrial grouping if they have the same two digit code as described in the Standard Industrial Classification Manual, 1972, as amended by the 1977 Supplement (U.S. Government Printing Office Stock Nos. 4101-0066 and 003-005-00176-0, respectively).

14.1.4 "Overall control efficiency" means the percent control efficiency which accounts for both the percent emissions reduction as measured across the control device, and percent capture efficiency of the control device.

14.1.5 "Nitrogen oxides" (NO_x) means nitric oxide (NO) and nitrogen dioxide (NO₂), expressed as molecular weight of NO₂.

14.1.6 "Peak ozone season" means the months of June, July, and August, during which conditions for photochemical ozone formation are most favorable.

14.1.7 "Percentage annual throughput" means the weighted percent of yearly activity for the following periods:

- (a) December of the previous year to February of the reporting year
- (b) March to May
- (c) June to August
- (d) September to November

14.1.8 "SIC code" means a Standard Industrial Classification code, as described in the Standard Industrial Classification Manual, 1972, as amended by the 1977 Supplement (U.S. Government Printing Office Stock Nos. 4101-0066 and 003-005-00176-0, respectively).

14.1.9 "Typical ozone season day" means a day typical of the months of June, July and August with respect to operations, emissions, control equipment operation, and process rate.

14.1.10 "Volatile organic compound" and "VOC" means any organic compound which participates in atmospheric photochemical reactions. This includes any of the organic compounds other than the following compounds:

- (a) acetone
- (b) CFC-11 (trichlorofluoromethane)
- (c) CFC-12 (dichlorodifluoromethane)
- (d) CFC-113 (1,1,1-trichloro 2,2,2-trifluoroethane)
- (e) CFC-114 (1,2-dichloro 1,1,2,2-tetrafluoroethane)
- (f) CFC-115 (chloropentafluoroethane)
- (g) ethane
- (h) HCFC-22 (chlorodifluoromethane)
- (i) HCFC-123 (1,1,1-trifluoro 2,2-dichloroethane)
- (j) HCFC-124 (2-chloro 1,1,1,2-tetrafluoroethane)
- (k) HCFC-141b (1,1-dichloro 1-fluoroethane)
- (l) HCFC-142b (1-chloro 1,1-difluoroethane)
- (m) HFC-23 (trifluoromethane)
- (n) HFC-125 (pentafluoroethane)
- (o) HFC-134 (1,1,2,2-tetrafluoroethane)
- (p) HFC-134a (1,1,1,2-tetrafluoroethane)
- (q) HFC-143a (1,1,1-trifluoroethane)
- (r) HFC-152a (1,1-difluoroethane)
- (s) methane
- (t) methyl chloroform (1,1,1-trichloroethane)
- (u) methylene chloride (dichloromethane)
- (v) parachlorobenzotrifluoride (PCBTF)
- (w) cyclic, branched, or linear completely methylated siloxanes
- (x) The perfluorocarbon compounds which fall into these classes:

- (1) Cyclic, branched, or linear, completely fluorinated alkanes;
- (2) Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;
- (3) Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and
- (4) Sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

14.2 Fundamental Record Keeping and Reporting

14.2.1 Requirements

The owner or operator of any facility that emits air contaminants shall, at the request of the Director, provide data on operational processes, fuel usage, raw materials, stack dimensions, exhaust gas flow rates and temperatures, emissions of air contaminants, steam or hot water generator capacities, types of equipment producing air contaminants and air pollution control systems or other data that may be necessary to determine if the facility is in compliance with air pollution control regulations. These records shall be maintained at the facility for a period of five years.

14.2.2 Submission of Information

The information recorded by the owner or operator of a facility shall be summarized and reported at least annually to the Director. It shall be submitted within 45 days following the end of the reporting period which is the calendar year unless otherwise specified.

14.2.3 Use of Submitted Information

Information obtained from owners or operators of facilities pursuant to Section 14.2.1 will be correlated with applicable emission and other limitations and will be available for public inspection.

14.3 Emission Statements

14.3.1 Applicability

The owner or operator of any facility emitting VOC or NO_x which has or has had actual facility-wide emissions of 25 tons per year or more of either pollutant in 1990 or any year thereafter, shall submit annually an emission statement which includes both pollutants, in accordance with the requirements of Subsection 14.3.2. Emission statements shall be

submitted to the Director within 45 days of the end of the calendar year. Emission statements shall be submitted for the calendar year 1992 and for every year thereafter. A facility may apply to the Division to be allowed to discontinue submitting annual emission statements if actual emissions at that facility decrease to below 10 tons per year as a result of a permanent process change.

14.3.2 Emission Statement Requirements

Each facility subject to this section shall submit an emission statement in a format approved by the Director. The emission statement shall contain the following information:

- (a) A certification that the information contained in the emission statement is accurate and complete to the best knowledge of the certifying individual.
- (b) The full name, title, signature, date of signature, and telephone number of the certifying individual.
- (c) Facility identification information, including the full name, physical location, mailing address, latitude, longitude, and four digit SIC code(s).
- (d) Process data pertaining to each process emitting VOC and/or NO_x, including:
 - (1) Annual and typical ozone season daily fuel use,
 - (2) Annual and typical ozone season daily process rate(s), and
 - (3) Process throughput while air pollution control equipment was not in operation.
- (e) Operating data pertaining to each process emitting VOC and/or NO_x during the reporting year, including:
 - (1) Percentage annual throughput,
 - (2) Average hours of operation per day during the reporting year and on a typical ozone season day,
 - (3) Average number of days of operation per week during the reporting year and during a typical ozone season week, and
 - (4) Weeks of operation during the reporting year and during the peak ozone season.

- (f) Control equipment information, including:
 - (1) Specific primary and secondary control equipment for each process emitting VOC and/or NO_x,
 - (2) Current overall control efficiency for each piece of control equipment (indicated by percent capture and percent destruction or removal), and
 - (3) Control equipment downtime during the reporting year and during the peak ozone season.
- (g) Emissions information, including:
 - (1) Actual annual and typical ozone season daily emissions of VOC and NO_x for each process. Emissions should be reported in tons per year and in pounds per day.
 - (2) A description of the emission calculation method and, if applicable, emission factor(s) used, and
 - (3) The calendar year for which emissions are reported.
- (h) Any additional information required by the Director to document the facility's emission statements.