

SUBPART C: OPERATIONAL IMPLEMENTATION

Section 205.300 Seasonal Emissions Component of the Annual Emissions Report

- a) For each year in which the source is operational, the owner or operator of each participating source and new participating source shall submit, as a component of its Annual Emissions Report, seasonal emissions information to the Agency for each seasonal allotment period after the effective date of this Part in accordance with the following schedule:
  - 1) For each participating source or new participating source that generates VOM emissions from less than 10 emission units, by October 31 of each year; and

- 2) For each participating source or new participating source that generates VOM emissions from 10 or more emission units, by November 30 of each year.
- b) In addition to any information required pursuant to 35 Ill. Adm. Code 254, the seasonal emissions component of the Annual Emissions Report shall contain the following information for the preceding seasonal allotment period for each emission unit emitting or capable of emitting VOM, except that such information is not required for emission units excluded pursuant to Section 205.220 of this Part or for VOM emissions attributable to startup, malfunction or breakdown, as specified in Section 205.225 of this Part:
- 1) Actual seasonal emissions of VOM from the source;
  - 2) A description of the methods and practices used to determine VOM emissions, as required by the source's CAAPP permit, including any supporting documentation and calculations;
  - 3) A detailed description of any monitoring methods that differ from the methods specified in the CAAPP permit for the source, as provided in Section 205.337 of this Subpart;
  - 4) If a source has experienced an emergency, as provided in Section 205.750 of this Part, it shall reference the associated emergency conditions report that has been approved by the Agency;
  - 5) If a source's baseline emissions have been adjusted because of a variance, consent order or CAAPP permit compliance schedule, as provided for in Section 205.320(e)(3) of this Subpart, it shall provide documentation quantifying the adjusted VOM emissions amount; and
  - 6) If a source is operating a new or modified emission unit for which three years of operational data is not yet available, as specified in Section 205.320(f) of this Subpart, it shall specify seasonal emissions attributable to the new emission unit or the modification of the emission unit.

Section 205.310 ERMS Applications

- a) The owner or operator of each participating source or new participating source shall submit to the Agency an ERMS application in accordance with the following schedule:

- 1) For a participating source with baseline emissions of at least 10 tons of VOM, as determined in accordance with Section 205.320(a) of this Subpart, by March 1, 1998;
  - 2) For any source that first becomes a participating source because its VOM emissions increase to 10 tons or greater during any seasonal allotment period beginning with 1999, on or before December 1 of the year of the first seasonal allotment period in which its VOM emissions are at least 10 tons, provided that this emissions increase is not a major modification pursuant to 35 Ill. Adm. Code 203; or
  - 3) For a new participating source or for a major modification of any source existing prior to May 1, 1999, that is subject to 35 Ill. Adm. Code 203 based on VOM emissions, at the time a construction permit application is submitted or due for the source or modification, whichever occurs first.
- b) Except as provided in subsection (d) of this Section, each ERMS application for participating sources shall contain all information required by the Agency pursuant to Section 39.5 of the Act [415 ILCS 5/39.5] or reference such information if previously submitted to the Agency, including the following information:
- 1) Data sufficient to establish the appropriate baseline emissions for the source in accordance with Section 205.320 of this Subpart, including but not limited to the following:
    - A) VOM emissions data and production types and levels from the baseline emissions year(s), as specified in Section 205.320(a)(1), (b) or (c) of this Subpart, as appropriate;
    - B) If the source is proposing a substitute baseline emissions year(s), as provided in Section 205.320(a)(2) of this Subpart, a justification that the year is more representative than 1994, 1995 or 1996, including data on production types and levels from the proposed substitute year(s) and historical production data, as needed to justify that the proposed substitute year(s) is representative; and
    - C) If the source is proposing a baseline emissions adjustment based on voluntary over-compliance, as provided in Section 205.320(d) of this Subpart, sufficient information for the Agency to determine the appropriate adjustment;

- 2) A description of methods and practices used to determine baseline emissions and that will be used to determine seasonal emissions for purposes of demonstrating compliance with this Part, in accordance with Sections 205.330 and 205.335 of this Subpart;
  - 3) Identification of any emission unit for which exclusion from further reductions is sought pursuant to Section 205.405(b) of this Part and including all of the information required pursuant to Section 205.405(b) of this Part;
  - 4) Identification of any emission unit excluded from further reductions pursuant to Section 205.405(a) of this Part; and
  - 5) Identification of any new or modified emission unit for which a construction permit was issued prior to January 1, 1998, but for which three years of operational data is not available, and the permitted VOM emissions or the permitted increase in VOM emissions from such emission unit(s), adjusted for the seasonal allotment period.
- c) Except as provided in subsection (h) of this Section, the ERMS application submitted by each participating source shall also be an application for a significant modification of its CAAPP permit or a revision to its CAAPP application if a CAAPP permit has not yet been issued for the source.
- d) The ERMS application for any source that elects to reduce its seasonal emissions by at least 18 percent from its baseline emissions, as provided in Section 205.205(b) of this Part, shall include:
- 1) VOM emissions data sufficient to establish the appropriate baseline emissions for the source in accordance with Section 205.320 of this Subpart; and
  - 2) A description of methods and practices used to determine baseline emissions and that will be used to demonstrate that its seasonal emissions will be at least 18 percent less than its baseline emissions, in accordance with Sections 205.330 and 205.335 of this Subpart.
- e) Within 120 days after receipt of an ERMS application, the Agency shall provide written notification to the source of a preliminary baseline emissions determination. Public notice of a draft CAAPP permit in accordance with Section 39.5(8) of the Act [415 ILCS 5/39.5(8)] shall fulfill this requirement for a preliminary baseline emissions determination if issued within 120 days.

- f) The ERMS application for each source applying for a major modification, as provided in subsection (a)(3) of this Section, shall include the information specified in subsection (b) of this Section and a certification by the owner or operator recognizing that the source will be required to hold ATUs by the end of each reconciliation period in accordance with Section 205.150(c)(2) of this Part, and provide a plan explaining the means by which it will obtain ATUs for the VOM emissions attributable to the major modification for the first three seasonal allotment periods in which this major modification is operational.
- g) The ERMS application for each new participating source shall include:
- 1) A description of methods and practices that will be used to determine seasonal emissions for purposes of demonstrating compliance with this Part, in accordance with Sections 205.330 and 205.335 of this Subpart;
  - 2) A certification by the owner or operator recognizing that the source will be required to hold ATUs by the end of each reconciliation period in accordance with Section 205.150(d) of this Part for each seasonal allotment period in which it is operational; and
  - 3) If the source is a new major source subject to 35 Ill. Adm. Code 203, a plan explaining means by which it will obtain such ATUs for the first three seasonal allotment periods in which it is operational.
- h) The owner or operator of any participating source that has identified a new or modified emission unit, as specified in subsection (b)(5) of this Section, shall submit a written request for, or an application for, a revised emissions baseline and allotment. Such written request or application shall be submitted by December 1 of the year of the third complete seasonal allotment period in which such newly constructed emission unit is operational, which submittal shall include information on the seasonal emissions for these first three seasonal allotment periods.

## Section 205.315 CAAPP Permits for ERMS Sources

- a) The Agency shall determine the baseline emissions for each participating source in accordance with Section 205.320 of this Subpart, through its final permit action on a new or modified CAAPP permit for each such source. The Agency's baseline emissions determination may be appealed in accordance with the CAAPP appeal procedures specified in Section 40.2 of the Act [415 ILCS 5/40.2]. If the permit conditions establishing a source's baseline emissions are appealed, the baseline emissions for the source shall be as proposed in the source's ERMS application during the pendency of the appeal. During the pendency of the appeal, ATUs shall be allotted to the source pursuant to the part of the source's proposed baseline emissions that is not disputed in the appeal. If such source's seasonal VOM emissions exceed the ATUs it holds at the end of reconciliation periods during the pendency of the appeal, the source will not be deemed to have had an emissions excursion to the extent that such seasonal VOM emissions do not exceed the amount it proposed as its baseline in its ERMS application, less reductions required pursuant to Section 205.400(c) or (e) of this Part, if applicable. Such source shall not be allowed to sell ATUs during the pendency of the appeal.
- b) The Agency shall determine, in accordance with Sections 205.330 and 205.335 of this Subpart, the methods and practices applicable to each participating source and new participating source to determine seasonal emissions through its final permit action on a new or modified CAAPP permit for each such source. The Agency's determination of the methods and practices applicable may be appealed in accordance with the CAAPP appeal procedures specified in Section 40.2 of the Act [415 ILCS 5/40.2].
- c) The Agency shall determine, in accordance with Section 205.405(b) of this Part, if an emission unit qualifies for exclusion from further reductions in its final permit action on a new or modified CAAPP permit for each such source. The Agency's determination may be appealed in accordance with the CAAPP appeal procedures specified in Section 40.2 of the Act [415 ILCS 5/40.2 ]. If the permit conditions establishing the Agency's BAT determination are appealed, ATUs shall be allotted to the source for any emission unit for which the Agency's BAT determination is being appealed with the emissions reduction required by Section 205.400(c) or (e) of this Part during the pendency of the appeal. If the seasonal VOM emissions for the subject emission unit(s) exceed the ATUs that are attributed to the unit(s) during the pendency of the appeal, the source will not be deemed to have an emissions excursion to the extent that such seasonal VOM emissions do not exceed the amount of ATUs that would be attributed to this unit if the BAT exclusion was accepted. Such source shall not be allowed to sell ATUs during the pendency of the appeal.

- d) The allotment for each participating source for each seasonal allotment period shall be specified in its CAAPP permit.
- e) To the extent possible, the Agency shall initiate the procedures of 35 Ill. Adm. Code 252, as required by Section 39.5 of the Act [415 ILCS 5/39.5], by grouping the draft CAAPP permits and supporting documents for participating sources. Specifically, to the extent possible, the Agency shall issue a joint public notice and hold a joint hearing, as appropriate, addressing participating sources for which a hearing is requested.
- f) When a CAAPP permit for a participating source is transferred from the current permittee to another person:
  - 1) In the case of a name change of the participating source where ownership is not altered, appropriate documentation shall be submitted to revise the Transaction Account to reflect the name change; or
  - 2) In the case of an ownership change of the participating source, the allotment shall also be transferred by the owner or operator of the permitted source to the new owner or operator, or the new owner or operator shall submit a statement to the Agency certifying that such transfer is not occurring and demonstrating that necessary ATUs are or will be available by other means for the intended operation of the source.
- g) Upon reopening or renewal of the CAAPP permit for any participating source or new participating source, any multiple season transfer agreement, as provided in Section 205.630(a)(2)(B) of this Part, that has three or more years of transfers remaining shall be identified in the renewed or reissued CAAPP permit for each such source.
- h) Upon reopening or renewal of the CAAPP permit for any participating source or new participating source, any ATUs that will be issued by the Agency for three years or more to any such source pursuant to Section 205.410, 205.500 or 205.510 of this Part shall be identified in the renewed or reissued CAAPP permit for each such source.

#### Section 205.318 Certification for Exempt CAAPP Sources

The owner or operator of any source that is located in the Chicago ozone nonattainment area that is required to obtain a CAAPP permit, and has seasonal emissions, as determined in accordance with Section 205.320(a) of this Subpart, of less than 10 tons shall submit a written certification to the Agency by March 1, 1998, certifying that its VOM emissions

are below 10 tons per season as specified in Section 205.320(a) of this Subpart. Such certification shall include the amount of VOM emissions at the source during the 1994, 1995, 1996 and 1997 seasonal allotment periods, and supporting calculations.

Section 205.320      Baseline Emissions

- a) Except as provided in subsection (b) or (c) of this Section, baseline emissions shall be determined by the Agency in accordance with the following, adjusted as specified in subsections (d), (e) and (f) of this Section:
- 1) Baseline emissions shall be calculated using the average of the two seasonal allotment periods with the highest VOM emissions during 1994, 1995 or 1996.
  - 2) Any source may propose to substitute seasonal emissions on a year-for-year basis due to non-representative conditions in 1994, 1995 or 1996, but must stay within the period from 1990 through 1997, and must have accurate seasonal emissions data for the substitute year(s). When considering whether to substitute a seasonal baseline emission year(s), the Agency must consider the information submitted by the source pursuant to Section 205.310(b)(1)(B) of this Subpart, as well as the accuracy of that data. For the purposes of this subsection (a)(2), "non-representative conditions" include, but are not limited to, events such as strikes, fires, floods and market conditions.
- b) For any source that has seasonal emissions of less than 10 tons, as determined in accordance with subsection (a) of this Section, but becomes a participating source because its seasonal emissions increase to 10 tons or more in any seasonal allotment period beginning with 1999, baseline emissions shall be determined by the Agency based on actual VOM emissions from the first seasonal allotment period in which the sources emissions equaled or exceeded 10 tons, adjusted as specified in subsections (d), (e) and (f) of this Section, provided such emissions increase is not a major modification pursuant to 35 Ill. Adm. Code 203.
- c) For any source that has seasonal emissions of less than 10 tons, as determined in accordance with subsection (a) of this Section, but becomes a participating source because its seasonal emissions increase to 10 tons or more in any seasonal allotment period beginning with 1999 and this emissions increase constitutes a major modification pursuant to 35 Ill. Adm. Code 203, baseline emissions shall be determined by the Agency based on the average of the actual seasonal emissions from the two seasonal periods prior to a timely submittal of its application for the major modification, adjusted as specified in subsections (d) and (e) of this

Section. Any such source may substitute seasonal emissions on a year-for-year basis due to non-representative conditions in either of the two seasonal allotment periods prior to submittal of its application for the major modification but must stay within the five year period prior to submittal of such application. For the purposes of this subsection, "non-representative conditions" include, but are not limited to, conditions such as strikes, fires, floods and market conditions.

- d) The baseline emissions of any participating source shall be increased for voluntary over-compliance that occurred after October 31, 1990 and results in a VOM emissions level that is lower than the level required by applicable requirements effective in 1996, including limitations in the source's permit(s) based on such applicable requirements. Voluntary over-compliance shall be determined in accordance with the following:
- 1) Determine the actual activity or production types and levels from the seasonal allotment period(s) selected for baseline emissions pursuant to subsection (a), (b) or (c) of this Section;
  - 2) Determine seasonal emissions for each emission unit as the product of the amount of activity or production, as determined in accordance with subsection (d)(1) of this Section, and the actual emissions level;
  - 3) Determine seasonal emissions for each emission unit as the product of the amount of activity or production, as determined in accordance with subsection (d)(1) of this Section, and the allowable emissions level pursuant to all applicable requirements effective through 1996, including limitations in the source's permit(s) based on such applicable requirements; and
  - 4) Determine the appropriate adjustment to baseline emissions by subtracting the seasonal emissions determined pursuant to subsection (d)(2) of this Section from the seasonal emissions determined pursuant to subsection (d)(3) of this Section.
- e) The baseline emissions of any participating source shall be decreased if any of the following circumstances exist:
- 1) If a source is out of compliance with any applicable requirements, including limitations in the source's permit(s) based on such applicable requirements, in any of the seasonal allotment periods used for baseline emissions, its baseline emissions shall be lowered to reflect the amount of VOM emissions that would be achieved if in compliance with such requirements.

- 2) If any of the seasonal allotment periods selected for baseline emissions do not reflect compliance with requirements effective through 1996 that became applicable after any of the years selected as baseline years, the source's baseline emissions shall be lowered to reflect the amount of VOM emissions that would be achieved if in compliance with such requirements.
- 3) If, in any of the years selected for baseline emissions, a source's VOM emissions are in excess of the amount of VOM emissions allowed by applicable rules because it has been granted a variance, has entered into a consent order, or is operating pursuant to a CAAPP permit compliance schedule, the baseline emissions for such source shall be lowered to reflect the VOM emissions amount that would be achieved if in compliance with such requirements, subject to the following:
  - A) Each such source shall be allowed to emit VOM emissions in excess of the ATUs it holds at the end of the reconciliation period each year until compliance with the applicable regulation is achieved, or upon expiration of the relief allowed for in the variance, consent order or CAAPP permit compliance schedule, whichever occurs first;
  - B) Such excess VOM emissions shall be allowed to the extent allowed in the variance, consent order or CAAPP permit compliance schedule; and
  - C) The seasonal component of the Annual Emissions Report for each such source shall be adjusted each year until compliance with the applicable requirement(s) is achieved, or upon expiration of the relief allowed for in the variance, consent order or CAAPP permit compliance schedule, whichever occurs first, as specified in subsection (e)(3)(B) of this Section.
- 4) For any participating source that operated with excess emissions during startup, malfunction or breakdown during any year used to determine its baseline emissions, whether or not such operation was authorized pursuant to the source's permit, excess VOM emissions attributable to startup, malfunction or breakdown shall be excluded from the baseline emissions.
- f) For new or modified emission units at a source for which a construction permit was issued prior to January 1, 1998, but for which three years of

operational data is not available, the baseline emissions determination for the source shall include VOM emissions from such new emission unit or the increase in emissions from the modification of such emission unit based on the two seasonal allotment periods with the highest VOM emissions from the first three complete seasonal allotment periods in which any such new or modified emission unit is operational. ATUs shall only be issued in accordance with this subsection after the baseline emissions has been determined. Any such source shall not be required to hold ATUs for VOM emissions attributable to the new emission unit or the modification of the existing emission unit for the first three complete seasonal allotment periods in which it is operational.

- g) For any source which acquired emission reduction credits pursuant to a written agreement, entered into prior to January 1, 1998, and such emission reduction credits were acquired for use as emissions offsets, in accordance with 35 Ill. Adm. Code 203, such emission reduction credits, adjusted for the seasonal allotment period, and reduced by 24 percent, shall be included in the baseline emissions determination for the source, only to the extent that:
- 1) The Agency has issued a federally enforceable permit, prior to January 1, 1998, to the source from which the emission reduction credits were acquired, and such federally enforceable permit recognized the creation of the VOM emission reduction credits by the cessation of all VOM-emitting activities and the withdrawal of the operating permits for VOM-emitting activities at such other sources; and
  - 2) The Agency has not relied upon the emission reduction credits to demonstrate attainment or reasonable further progress.

#### Section 205.330 Emissions Determination Methods

The owner or operator of a participating source or new participating source shall determine VOM emissions from the source during the seasonal allotment period using methods as necessary to demonstrate compliance with this Part. Such methods shall be, at a minimum, as stringent as those required by any applicable requirement and any permit condition. The Agency shall establish the emissions determination methods applicable to each such source in the source's CAAPP permit. The following methods, in conjunction with relevant source-specific throughput and operating data, are acceptable methods a source may use to determine seasonal emissions, depending on the type of emission unit:

- a) Material balance calculation, based on the VOM content of raw materials and recovered materials, as is typically used for degreasers, coating lines,

and printing lines equipped with a carbon adsorption system (recovery-type control device) or without any control device;

- b) A standard engineering formula for estimation of emissions, as is typically used for storage and transfer of volatile organic liquids;
- c) A source-specific emission factor(s), based on representative testing and sampling data and appropriate analysis, as typically used for petroleum refining processes;
- d) A published USEPA emission factor(s), as is typically used for component leaks;
- e) A source-specific emission rate or VOM control efficiency, based on representative testing, as is typically used for chemical processes and afterburners (destruction-type control device), respectively;
- f) A method not listed above that is sufficient to demonstrate compliance with this Section; or
- g) An appropriate combination of the above methods, as typically used for a coating or printing line equipped with a control device, where the available emissions are determined by material balance and the control efficiency is determined by representative testing.

#### Section 205.335      Sampling, Testing, Monitoring and Recordkeeping Practices

The owner or operator of a participating source or new participating source shall conduct sampling, perform testing, conduct monitoring and maintain records as needed to support its method for determining seasonal emissions in accordance with Section 205.330 of this Subpart and to demonstrate compliance with this Part. Such sampling, testing, monitoring and recordkeeping shall be, at a minimum, as stringent as that required by any applicable requirement and any permit condition. The Agency shall establish the practices applicable to each such source in the source's CAAPP permit.

#### Section 205.337      Changes in Emission Determination Methods and Sampling, Testing, Monitoring and Recordkeeping Practices

- a) The methods used for determining seasonal emissions from a source shall generally be consistent with the methods used to determine its baseline emissions unless the source's permit accommodates the use of alternate methods to determine VOM emissions.
- b) Modification of Methods and Practices

- 1) If a source proposes new or revised methods to determine VOM emissions or new or revised supporting practices for sampling, testing, monitoring or recordkeeping that differ significantly from the methods and practices specified by its current permit, the source shall obtain a revised permit in accordance with the procedures specified in Section 39.5 of the Act [415 ILCS 5/39.5], prior to relying on such methods and practices.
- 2) The Agency shall issue a revised permit if it finds, based upon submission of an appropriate permit application, that the proposed methods or practices are needed or appropriate to address changes in the operation of the source or emission units that were not considered when the current permit was issued, that the proposed methods and procedures will not significantly affect the determination of actual seasonal emissions, or that the proposed methods and procedures incorporate new or improved analytical techniques or estimation methods that will increase the accuracy with which actual seasonal emissions are determined, and other applicable requirements for issuance of a revised permit are met.
- 3) If the Agency approves the use of a modified method or practice, the Agency is authorized to determine a corrected baseline and thereafter issue ATUs in accordance with Section 205.400(c) of this Part pursuant to this corrected baseline.