

year thereafter, the Administrator will record, in the compliance account of the source that includes the CAIR SO<sub>2</sub> opt-in unit, the CAIR SO<sub>2</sub> allowances allocated by the permitting authority to the CAIR SO<sub>2</sub> opt-in unit under paragraph (a)(2) of this section.

APPENDIX A TO SUBPART III OF PART 97—STATES WITH APPROVED STATE IMPLEMENTATION PLAN REVISIONS CONCERNING CAIR SO<sub>2</sub> OPT-IN UNITS

1. The following States have State Implementation Plan revisions under §51.124(r) of this chapter approved by the Administrator and establishing procedures providing for CAIR SO<sub>2</sub> opt-in units under subpart III of this part and allocation of CAIR SO<sub>2</sub> allowances to such units under §97.288(b):

Indiana  
North Carolina  
Ohio  
South Carolina  
Tennessee

2. The following States have State Implementation Plan revisions under §51.124(r) of this chapter approved by the Administrator and establishing procedures providing for CAIR SO<sub>2</sub> opt-in units under subpart III of this part and allocation of CAIR SO<sub>2</sub> allowances to such units under §97.288(c):

Indiana  
North Carolina  
Ohio  
South Carolina  
Tennessee

[65 FR 2727, Jan. 18, 2000, as amended at 72 FR 46394, Aug. 20, 2007; 72 FR 56920, Oct. 5, 2007; 72 FR 57215, Oct. 9, 2007; 72 FR 59487, Oct. 22, 2007; 73 FR 6041, Feb. 1, 2008]

**Subpart AAAA—CAIR NO<sub>x</sub> Ozone Season Trading Program General Provisions**

**§97.301 Purpose.**

This subpart and subparts BBBB through IIII set forth the general provisions and the designated representative, permitting, allowance, monitoring, and opt-in provisions for the Federal Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Ozone Season Trading Program, under section 110 of the Clean Air Act and §52.35 of this chapter, as a means of mitigating interstate transport of ozone and nitrogen oxides.

**§97.302 Definitions.**

The terms used in this subpart and subparts BBBB through IIII shall have the meanings set forth in this section as follows:

*Account number* means the identification number given by the Administrator to each CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System account.

*Acid Rain emissions limitation* means a limitation on emissions of sulfur dioxide or nitrogen oxides under the Acid Rain Program.

*Acid Rain Program* means a multi-state sulfur dioxide and nitrogen oxides air pollution control and emission reduction program established by the Administrator under title IV of the CAA and parts 72 through 78 of this chapter.

*Administrator* means the Administrator of the United States Environmental Protection Agency or the Administrator's duly authorized representative.

*Allocate or allocation* means, with regard to CAIR NO<sub>x</sub> Ozone Season allowances, the determination by a permitting authority or the Administrator of the amount of such CAIR NO<sub>x</sub> Ozone Season allowances to be initially credited to a CAIR NO<sub>x</sub> Ozone Season unit, a new unit set-aside, or other entity.

*Allowance transfer deadline* means, for a control period, midnight of November 30 (if it is a business day), or midnight of the first business day thereafter (if November 30 is not a business day), immediately following the control period and is the deadline by which a CAIR NO<sub>x</sub> Ozone Season allowance transfer must be submitted for recordation in a CAIR NO<sub>x</sub> Ozone Season source's compliance account in order to be used to meet the source's CAIR NO<sub>x</sub> Ozone Season emissions limitation for such control period in accordance with §97.354.

*Alternate CAIR designated representative* means, for a CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source, the natural person who is authorized by the owners and operators of the source and all such units at the source, in accordance with subparts BBBB and IIII of this part, to act on behalf of the CAIR designated representative in matters pertaining to the CAIR NO<sub>x</sub> Ozone Season Trading Program. If the CAIR NO<sub>x</sub>

Ozone Season source is also a CAIR NO<sub>x</sub> source, then this natural person shall be the same person as the alternate CAIR designated representative under the CAIR NO<sub>x</sub> Annual Trading Program. If the CAIR NO<sub>x</sub> Ozone Season source is also a CAIR SO<sub>2</sub> source, then this natural person shall be the same person as the alternate CAIR designated representative under the CAIR SO<sub>2</sub> Trading Program. If the CAIR NO<sub>x</sub> Ozone Season source is also subject to the Acid Rain Program, then this natural person shall be the same person as the alternate designated representative under the Acid Rain Program. If the CAIR NO<sub>x</sub> Ozone Season source is also subject to the Hg Budget Trading Program, then this natural person shall be the same person as the alternate Hg designated representative under the Hg Budget Trading Program.

*Automated data acquisition and handling system* or *DAHS* means that component of the continuous emission monitoring system, or other emissions monitoring system approved for use under subpart HHHH of this part, designed to interpret and convert individual output signals from pollutant concentration monitors, flow monitors, diluent gas monitors, and other component parts of the monitoring system to produce a continuous record of the measured parameters in the measurement units required by subpart HHHH of this part.

*Biomass* means—

- (1) Any organic material grown for the purpose of being converted to energy;
- (2) Any organic byproduct of agriculture that can be converted into energy; or
- (3) Any material that can be converted into energy and is nonmerchantable for other purposes, that is segregated from other nonmerchantable material, and that is:
  - (i) A forest-related organic resource, including mill residues, precommercial thinnings, slash, brush, or byproduct from conversion of trees to merchantable material; or
  - (ii) A wood material, including pallets, crates, dunnage, manufacturing and construction materials (other than pressure-treated, chemically-treated,

or painted wood products), and landscape or right-of-way tree trimmings.

*Boiler* means an enclosed fossil-or other-fuel-fired combustion device used to produce heat and to transfer heat to recirculating water, steam, or other medium.

*Bottoming-cycle cogeneration unit* means a cogeneration unit in which the energy input to the unit is first used to produce useful thermal energy and at least some of the reject heat from the useful thermal energy application or process is then used for electricity production.

*CAIR authorized account representative* means, with regard to a general account, a responsible natural person who is authorized, in accordance with subparts BBBB, FFFF, and IIII of this part, to transfer and otherwise dispose of CAIR NO<sub>x</sub> Ozone Season allowances held in the general account and, with regard to a compliance account, the CAIR designated representative of the source.

*CAIR designated representative* means, for a CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source, the natural person who is authorized by the owners and operators of the source and all such units at the source, in accordance with subparts BBBB and IIII of this part, to represent and legally bind each owner and operator in matters pertaining to the CAIR NO<sub>x</sub> Ozone Season Trading Program. If the CAIR NO<sub>x</sub> Ozone Season source is also a CAIR NO<sub>x</sub> source, then this natural person shall be the same person as the CAIR designated representative under the CAIR NO<sub>x</sub> Annual Trading Program. If the CAIR NO<sub>x</sub> Ozone Season source is also a CAIR SO<sub>2</sub> source, then this natural person shall be the same person as the CAIR designated representative under the CAIR SO<sub>2</sub> Trading Program. If the CAIR NO<sub>x</sub> Ozone Season source is also subject to the Acid Rain Program, then this natural person shall be the same person as the designated representative under the Acid Rain Program. If the CAIR NO<sub>x</sub> Ozone Season source is also subject to the Hg Budget Trading Program, then this natural person shall be the same person as the Hg designated representative under the Hg Budget Trading Program.

*CAIR NO<sub>x</sub> Annual Trading Program* means a multi-state nitrogen oxides air pollution control and emission reduction program established by the Administrator in accordance with subparts AA through II of this part and §§ 51.123(p) and 52.35 of this chapter or approved and administered by the Administrator in accordance with subparts AA through II of part 96 of this chapter and § 51.123(o)(1) or (2) of this chapter, as a means of mitigating interstate transport of fine particulates and nitrogen oxides.

*CAIR NO<sub>x</sub> Ozone Season allowance* means a limited authorization issued by a permitting authority or the Administrator under subpart EEEE of this part, § 97.388, or provisions of a State implementation plan that are approved under § 51.123(aa)(1) or (2) (and (bb)(1)), (bb)(2), (dd), or (ee) of this chapter, to emit one ton of nitrogen oxides during a control period of the specified calendar year for which the authorization is allocated or of any calendar year thereafter under the CAIR NO<sub>x</sub> Ozone Season Trading Program or a limited authorization issued by a permitting authority for a control period during 2003 through 2008 under the NO<sub>x</sub> Budget Trading Program in accordance with § 51.121(p) of this chapter to emit one ton of nitrogen oxides during a control period, provided that the provision in § 51.121(b)(2)(ii)(E) of this chapter shall not be used in applying this definition and the limited authorization shall not have been used to meet the allowance-holding requirement under the NO<sub>x</sub> Budget Trading Program. An authorization to emit nitrogen oxides that is not issued under subpart EEEE of this part, § 97.388, or provisions of a State implementation plan that are approved under § 51.123(aa)(1) or (2) (and (bb)(1)), (bb)(2), (dd), or (ee) of this chapter or under the NO<sub>x</sub> Budget Trading Program as described in the prior sentence shall not be a CAIR NO<sub>x</sub> Ozone Season allowance.

*CAIR NO<sub>x</sub> Ozone Season allowance deduction or deduct CAIR NO<sub>x</sub> Ozone Season allowances* means the permanent withdrawal of CAIR NO<sub>x</sub> Ozone Season allowances by the Administrator from a compliance account, *e.g.*, in order to account for a specified number of tons

of total nitrogen oxides emissions from all CAIR NO<sub>x</sub> Ozone Season units at a CAIR NO<sub>x</sub> Ozone Season source for a control period, determined in accordance with subpart HHHH of this part, or to account for excess emissions.

*CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System* means the system by which the Administrator records allocations, deductions, and transfers of CAIR NO<sub>x</sub> Ozone Season allowances under the CAIR NO<sub>x</sub> Ozone Season Trading Program. Such allowances will be allocated, held, deducted, or transferred only as whole allowances.

*CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System account* means an account in the CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System established by the Administrator for purposes of recording the allocation, holding, transferring, or deducting of CAIR NO<sub>x</sub> Ozone Season allowances.

*CAIR NO<sub>x</sub> Ozone Season allowances held or hold CAIR NO<sub>x</sub> Ozone Season allowances* means the CAIR NO<sub>x</sub> Ozone Season allowances recorded by the Administrator, or submitted to the Administrator for recordation, in accordance with subparts FFFF, GGGG, and IIII of this part, in a CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System account.

*CAIR NO<sub>x</sub> Ozone Season emissions limitation* means, for a CAIR NO<sub>x</sub> Ozone Season source, the tonnage equivalent, in NO<sub>x</sub> emissions in a control period, of the CAIR NO<sub>x</sub> Ozone Season allowances available for deduction for the source under § 97.354(a) and (b) for the control period.

*CAIR NO<sub>x</sub> Ozone Season source* means a source that includes one or more CAIR NO<sub>x</sub> Ozone Season units.

*CAIR NO<sub>x</sub> Ozone Season Trading Program* means a multi-state nitrogen oxides air pollution control and emission reduction program established by the Administrator in accordance with subparts AAAA through IIII of part 96 of this part and §§ 51.123(ee) and 52.35 of this chapter or approved and administered by the Administrator in accordance with under subparts AAAA through IIII and § 51.123(aa)(1) or (2) (and (bb)(1)), (bb)(2), or (dd) of this chapter, as a means of mitigating interstate transport of ozone and nitrogen oxides.

## Environmental Protection Agency

## § 97.302

*CAIR NO<sub>x</sub> Ozone Season unit* means a unit that is subject to the CAIR NO<sub>x</sub> Ozone Season Trading Program under §97.304 and, except for purposes of §97.305 and subpart EEEE of this part, a CAIR NO<sub>x</sub> Ozone Season opt-in unit under subpart IIII of this part.

*CAIR NO<sub>x</sub> source* means a source that is subject to the CAIR NO<sub>x</sub> Annual Trading Program.

*CAIR permit* means the legally binding and federally enforceable written document, or portion of such document, issued by the permitting authority under subpart CCCC of this part, including any permit revisions, specifying the CAIR NO<sub>x</sub> Ozone Season Trading Program requirements applicable to a CAIR NO<sub>x</sub> Ozone Season source, to each CAIR NO<sub>x</sub> Ozone Season unit at the source, and to the owners and operators and the CAIR designated representative of the source and each such unit.

*CAIR SO<sub>2</sub> source* means a source that is subject to the CAIR SO<sub>2</sub> Trading Program.

*CAIR SO<sub>2</sub> Trading Program* means a multi-state sulfur dioxide air pollution control and emission reduction program established by the Administrator in accordance with subparts AAA through III of this part and §§51.124(r) and 52.36 of this chapter or approved and administered by the Administrator in accordance with subparts AAA through III of part 96 of this chapter and §51.124(o)(1) or (2) of this chapter, as a means of mitigating interstate transport of fine particulates and sulfur dioxide.

*Certifying official* means:

(1) For a corporation, a president, secretary, treasurer, or vice-president or the corporation in charge of a principal business function or any other person who performs similar policy or decision-making functions for the corporation;

(2) For a partnership or sole proprietorship, a general partner or the proprietor respectively; or

(3) For a local government entity or State, Federal, or other public agency, a principal executive officer or ranking elected official.

*Clean Air Act or CAA* means the Clean Air Act, 42 U.S.C. 7401, *et seq.*

*Coal* means any solid fuel classified as anthracite, bituminous, subbituminous, or lignite.

*Coal-derived fuel* means any fuel (whether in a solid, liquid, or gaseous state) produced by the mechanical, thermal, or chemical processing of coal.

*Coal-fired* means:

(1) Except for purposes of subpart EEEE of this part, combusting any amount of coal or coal-derived fuel, alone or in combination with any amount of any other fuel, during any year; or

(2) For purposes of subpart EEEE of this part, combusting any amount of coal or coal-derived fuel, alone or in combination with any amount of any other fuel, during a specified year.

*Cogeneration unit* means a stationary, fossil-fuel-fired boiler or stationary, fossil-fuel-fired combustion turbine:

(1) Having equipment used to produce electricity and useful thermal energy for industrial, commercial, heating, or cooling purposes through the sequential use of energy; and

(2) Producing during the 12-month period starting on the date the unit first produces electricity and during any calendar year after the calendar year in which the unit first produces electricity—

(i) For a topping-cycle cogeneration unit,

(A) Useful thermal energy not less than 5 percent of total energy output; and

(B) Useful power that, when added to one-half of useful thermal energy produced, is not less than 42.5 percent of total energy input, if useful thermal energy produced is 15 percent or more of total energy output, or not less than 45 percent of total energy input, if useful thermal energy produced is less than 15 percent of total energy output.

(ii) For a bottoming-cycle cogeneration unit, useful power not less than 45 percent of total energy input;

(3) Provided that the total energy input under paragraphs (2)(i)(B) and (2)(ii) of this definition shall equal the unit's total energy input from all fuel except biomass if the unit is a boiler.

*Combustion turbine* means:

(1) An enclosed device comprising a compressor, a combustor, and a turbine

§ 97.302

40 CFR Ch. I (7-1-12 Edition)

and in which the flue gas resulting from the combustion of fuel in the combustor passes through the turbine, rotating the turbine; and

(2) If the enclosed device under paragraph (1) of this definition is combined cycle, any associated duct burner, heat recovery steam generator, and steam turbine.

*Commence commercial operation* means, with regard to a unit:

(1) To have begun to produce steam, gas, or other heated medium used to generate electricity for sale or use, including test generation, except as provided in § 97.305 and § 97.384(h).

(i) For a unit that is a CAIR NO<sub>x</sub> Ozone Season unit under § 97.304 on the later of November 15, 1990 or the date the unit commences commercial operation as defined in paragraph (1) of this definition and that subsequently undergoes a physical change (other than replacement of the unit by a unit at the same source), such date shall remain the date of commencement of commercial operation of the unit, which shall continue to be treated as the same unit.

(ii) For a unit that is a CAIR NO<sub>x</sub> Ozone Season unit under § 97.304 on the later of November 15, 1990 or the date the unit commences commercial operation as defined in paragraph (1) of this definition and that is subsequently replaced by a unit at the same source (*e.g.*, repowered), such date shall remain the replaced unit's date of commencement of commercial operation, and the replacement unit shall be treated as a separate unit with a separate date for commencement of commercial operation as defined in paragraph (1), (2), or (3) of this definition as appropriate.

(2) Notwithstanding paragraph (1) of this definition and except as provided in § 97.305, for a unit that is not a CAIR NO<sub>x</sub> Ozone Season unit under § 97.304 on the later of November 15, 1990 or the date the unit commences commercial operation as defined in paragraph (1) of this definition, the unit's date for commencement of commercial operation shall be the date on which the unit becomes a CAIR NO<sub>x</sub> Ozone Season unit under § 97.304.

(i) For a unit with a date for commencement of commercial operation as

defined in paragraph (2) of this definition and that subsequently undergoes a physical change (other than replacement of the unit by a unit at the same source), such date shall remain the date of commencement of commercial operation of the unit, which shall continue to be treated as the same unit.

(ii) For a unit with a date for commencement of commercial operation as defined in paragraph (2) of this definition and that is subsequently replaced by a unit at the same source (*e.g.*, repowered), such date shall remain the replaced unit's date of commencement of commercial operation, and the replacement unit shall be treated as a separate unit with a separate date for commencement of commercial operation as defined in paragraph (1), (2), or (3) of this definition as appropriate.

(3) Notwithstanding paragraphs (1) and (2) of this definition, for a unit not serving a generator producing electricity for sale, the unit's date of commencement of operation shall also be the unit's date of commencement of commercial operation.

*Commence operation* means:

(1) To have begun any mechanical, chemical, or electronic process, including, with regard to a unit, start-up of a unit's combustion chamber, except as provided in § 97.384(h).

(i) For a unit that undergoes a physical change (other than replacement of the unit by a unit at the same source) after the date the unit commences operation as defined in paragraph (1) of this definition, such date shall remain the date of commencement of operation of the unit, which shall continue to be treated as the same unit.

(ii) For a unit that is replaced by a unit at the same source (*e.g.*, repowered) after the date the unit commences operation as defined in paragraph (1) of this definition, such date shall remain the replaced unit's date of commencement of operation, and the replacement unit shall be treated as a separate unit with a separate date for commencement of operation as defined in paragraph (1) or (2) of this definition as appropriate, except as provided in § 97.384(h).

(2) Notwithstanding paragraph (1) of this definition and solely for purposes of subpart HHHH of this part, for a unit

that is not a CAIR NO<sub>x</sub> Ozone Season unit under § 97.304(d) on the later of November 15, 1990 or the date the unit commences operation as defined in paragraph (1) of this definition and subsequently becomes such a CAIR NO<sub>x</sub> Ozone Season unit, the unit's date for commencement of operation shall be the date on which the unit becomes a CAIR NO<sub>x</sub> Ozone Season unit under § 97.304(d).

(i) For a unit with a date for commencement of operation as defined in paragraph (2) of this definition and that subsequently undergoes a physical change (other than replacement of the unit by a unit at the same source), such date shall remain the date of commencement of operation of the unit, which shall continue to be treated as the same unit.

(ii) For a unit with a date for commencement of operation as defined in paragraph (2) of this definition and that is subsequently replaced by a unit at the same source (*e.g.*, repowered), such date shall remain the replaced unit's date of commencement of operation, and the replacement unit shall be treated as a separate unit with a separate date for commencement of operation as defined in paragraph (1) or (2) of this definition as appropriate.

*Common stack* means a single flue through which emissions from 2 or more units are exhausted.

*Compliance account* means a CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System account, established by the Administrator for a CAIR NO<sub>x</sub> Ozone Season source under subpart FFFF or IIII of this part, in which any CAIR NO<sub>x</sub> Ozone Season allowance allocations for the CAIR NO<sub>x</sub> Ozone Season units at the source are initially recorded and in which are held any CAIR NO<sub>x</sub> Ozone Season allowances available for use for a control period in order to meet the source's CAIR NO<sub>x</sub> Ozone Season emissions limitation in accordance with § 97.354.

*Continuous emission monitoring system* or *CEMS* means the equipment required under subpart HHHH of this part to sample, analyze, measure, and provide, by means of readings recorded at least once every 15 minutes (using an automated data acquisition and handling system (DAHS)), a permanent record of

nitrogen oxides emissions, stack gas volumetric flow rate, stack gas moisture content, and oxygen or carbon dioxide concentration (as applicable), in a manner consistent with part 75 of this chapter. The following systems are the principal types of continuous emission monitoring systems required under subpart HHHH of this part:

(1) A flow monitoring system, consisting of a stack flow rate monitor and an automated data acquisition and handling system and providing a permanent, continuous record of stack gas volumetric flow rate, in standard cubic feet per hour (scfh);

(2) A nitrogen oxides concentration monitoring system, consisting of a NO<sub>x</sub> pollutant concentration monitor and an automated data acquisition and handling system and providing a permanent, continuous record of NO<sub>x</sub> emissions, in parts per million (ppm);

(3) A nitrogen oxides emission rate (or NO<sub>x</sub>-diluent) monitoring system, consisting of a NO<sub>x</sub> pollutant concentration monitor, a diluent gas (CO<sub>2</sub> or O<sub>2</sub>) monitor, and an automated data acquisition and handling system and providing a permanent, continuous record of NO<sub>x</sub> concentration, in parts per million (ppm), diluent gas concentration, in percent CO<sub>2</sub> or O<sub>2</sub>, and NO<sub>x</sub> emission rate, in pounds per million British thermal units (lb/mmBtu);

(4) A moisture monitoring system, as defined in § 75.11(b)(2) of this chapter and providing a permanent, continuous record of the stack gas moisture content, in percent H<sub>2</sub>O;

(5) A carbon dioxide monitoring system, consisting of a CO<sub>2</sub> pollutant concentration monitor (or an oxygen monitor plus suitable mathematical equations from which the CO<sub>2</sub> concentration is derived) and an automated data acquisition and handling system and providing a permanent, continuous record of CO<sub>2</sub> emissions, in percent CO<sub>2</sub>; and

(6) An oxygen monitoring system, consisting of an O<sub>2</sub> concentration monitor and an automated data acquisition and handling system and providing a permanent, continuous record of O<sub>2</sub>, in percent O<sub>2</sub>.

*Control period* or *ozone season* means the period beginning May 1 of a calendar year, except as provided in

§ 97.306(c)(2) and ending on September 30 of the same year, inclusive.

*Emissions* means air pollutants exhausted from a unit or source into the atmosphere, as measured, recorded, and reported to the Administrator by the CAIR designated representative and as determined by the Administrator in accordance with subpart HHHH of this part.

*Excess emissions* means any ton of nitrogen oxides emitted by the CAIR NO<sub>x</sub> Ozone Season units at a CAIR NO<sub>x</sub> Ozone Season source during a control period that exceeds the CAIR NO<sub>x</sub> Ozone Season emissions limitation for the source.

*Fossil fuel* means natural gas, petroleum, coal, or any form of solid, liquid, or gaseous fuel derived from such material.

*Fossil-fuel-fired* means, with regard to a unit, combusting any amount of fossil fuel in any calendar year.

*Fuel oil* means any petroleum-based fuel (including diesel fuel or petroleum derivatives such as oil tar) and any recycled or blended petroleum products or petroleum by-products used as a fuel whether in a liquid, solid, or gaseous state.

*General account* means a CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System account, established under subpart FFFF of this part, that is not a compliance account.

*Generator* means a device that produces electricity.

*Gross electrical output* means, with regard to a cogeneration unit, electricity made available for use, including any such electricity used in the power production process (which process includes, but is not limited to, any on-site processing or treatment of fuel combusted at the unit and any on-site emission controls).

*Heat input* means, with regard to a specified period of time, the product (in mmBtu/time) of the gross calorific value of the fuel (in Btu/lb) divided by 1,000,000 Btu/mmBtu and multiplied by the fuel feed rate into a combustion device (in lb of fuel/time), as measured, recorded, and reported to the Administrator by the CAIR designated representative and determined by the Administrator in accordance with subpart HHHH of this part and excluding the

heat derived from preheated combustion air, recirculated flue gases, or exhaust from other sources.

*Heat input rate* means the amount of heat input (in mmBtu) divided by unit operating time (in hr) or, with regard to a specific fuel, the amount of heat input attributed to the fuel (in mmBtu) divided by the unit operating time (in hr) during which the unit combusts the fuel.

*Hg Budget Trading Program* means a multi-state Hg air pollution control and emission reduction program approved and administered by the Administrator in accordance subpart HHHH of part 60 of this chapter and § 60.24(h)(6), or established by the Administrator under section 111 of the Clean Air Act, as a means of reducing national Hg emissions.

*Life-of-the-unit, firm power contractual arrangement* means a unit participation power sales agreement under which a utility or industrial customer reserves, or is entitled to receive, a specified amount or percentage of nameplate capacity and associated energy generated by any specified unit and pays its proportional amount of such unit's total costs, pursuant to a contract:

- (1) For the life of the unit;
- (2) For a cumulative term of no less than 30 years, including contracts that permit an election for early termination; or
- (3) For a period no less than 25 years or 70 percent of the economic useful life of the unit determined as of the time the unit is built, with option rights to purchase or release some portion of the nameplate capacity and associated energy generated by the unit at the end of the period.

*Maximum design heat input* means the maximum amount of fuel per hour (in Btu/hr) that a unit is capable of combusting on a steady state basis as of the initial installation of the unit as specified by the manufacturer of the unit.

*Monitoring system* means any monitoring system that meets the requirements of subpart HHHH of this part, including a continuous emissions monitoring system, an alternative monitoring system, or an excepted monitoring system under part 75 of this chapter.

*Most stringent State or Federal NO<sub>x</sub> emissions limitation* means, with regard to a unit, the lowest NO<sub>x</sub> emissions limitation (in terms of lb/mmBtu) that is applicable to the unit under State or Federal law, regardless of the averaging period to which the emissions limitation applies.

*Nameplate capacity* means, starting from the initial installation of a generator, the maximum electrical generating output (in MWe) that the generator is capable of producing on a steady state basis and during continuous operation (when not restricted by seasonal or other deratings) as of such installation as specified by the manufacturer of the generator or, starting from the completion of any subsequent physical change in the generator resulting in an increase in the maximum electrical generating output (in MWe) that the generator is capable of producing on a steady state basis and during continuous operation (when not restricted by seasonal or other deratings), such increased maximum amount as of such completion as specified by the person conducting the physical change.

*Oil-fired* means, for purposes of subpart EEEE of this part, combusting fuel oil for more than 15.0 percent of the annual heat input in a specified year and not qualifying as coal-fired.

*Operator* means any person who operates, controls, or supervises a CAIR NO<sub>x</sub> Ozone Season unit or a CAIR NO<sub>x</sub> Ozone Season source and shall include, but not be limited to, any holding company, utility system, or plant manager of such a unit or source.

*Owner* means any of the following persons:

(1) With regard to a CAIR NO<sub>x</sub> Ozone Season source or a CAIR NO<sub>x</sub> Ozone Season unit at a source, respectively:

(i) Any holder of any portion of the legal or equitable title in a CAIR NO<sub>x</sub> Ozone Season unit at the source or the CAIR NO<sub>x</sub> Ozone Season unit;

(ii) Any holder of a leasehold interest in a CAIR NO<sub>x</sub> Ozone Season unit at the source or the CAIR NO<sub>x</sub> Ozone Season unit; or

(iii) Any purchaser of power from a CAIR NO<sub>x</sub> Ozone Season unit at the source or the CAIR NO<sub>x</sub> Ozone Season unit under a life-of-the-unit, firm

power contractual arrangement; provided that, unless expressly provided for in a leasehold agreement, owner shall not include a passive lessor, or a person who has an equitable interest through such lessor, whose rental payments are not based (either directly or indirectly) on the revenues or income from such CAIR NO<sub>x</sub> Ozone Season unit; or

(2) With regard to any general account, any person who has an ownership interest with respect to the CAIR NO<sub>x</sub> Ozone Season allowances held in the general account and who is subject to the binding agreement for the CAIR authorized account representative to represent the person's ownership interest with respect to CAIR NO<sub>x</sub> Ozone Season allowances.

*Permitting authority* means the State air pollution control agency, local agency, other State agency, or other agency authorized by the Administrator to issue or revise permits to meet the requirements of the CAIR NO<sub>x</sub> Ozone Season Trading Program or, if no such agency has been so authorized, the Administrator.

*Potential electrical output capacity* means 33 percent of a unit(s) maximum design heat input, divided by 3,413 Btu/kWh, divided by 1,000 kWh/MWh, and multiplied by 8,760 hr/yr.

*Receive or receipt of* means, when referring to the permitting authority or the Administrator, to come into possession of a document, information, or correspondence (whether sent in hard copy or by authorized electronic transmission), as indicated in an official log, or by a notation made on the document, information, or correspondence, by the permitting authority or the Administrator in the regular course of business.

*Recordation, record, or recorded* means, with regard to CAIR NO<sub>x</sub> Ozone Season allowances, the movement of CAIR NO<sub>x</sub> Ozone Season allowances by the Administrator into or between CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System accounts, for purposes of allocation, transfer, or deduction.

*Reference method* means any direct test method of sampling and analyzing for an air pollutant as specified in §75.22 of this chapter.



*Replacement, replace, or replaced* means, with regard to a unit, the demolishing of a unit, or the permanent shutdown and permanent disabling of a unit, and the construction of another unit (the replacement unit) to be used instead of the demolished or shutdown unit (the replaced unit).

*Repowered* means, with regard to a unit, replacement of a coal-fired boiler with one of the following coal-fired technologies at the same source as the coal-fired boiler:

- (1) Atmospheric or pressurized fluidized bed combustion;
- (2) Integrated gasification combined cycle;
- (3) Magnetohydrodynamics;
- (4) Direct and indirect coal-fired turbines;
- (5) Integrated gasification fuel cells; or
- (6) As determined by the Administrator in consultation with the Secretary of Energy, a derivative of one or more of the technologies under paragraphs (1) through (5) of this definition and any other coal-fired technology capable of controlling multiple combustion emissions simultaneously with improved boiler or generation efficiency and with significantly greater waste reduction relative to the performance of technology in widespread commercial use as of January 1, 2005.

*Sequential use of energy* means:

- (1) For a topping-cycle cogeneration unit, the use of reject heat from electricity production in a useful thermal energy application or process; or
- (2) For a bottoming-cycle cogeneration unit, the use of reject heat from useful thermal energy application or process in electricity production.

*Serial number* means, for a CAIR NO<sub>x</sub> Ozone Season allowance, the unique identification number assigned to each CAIR NO<sub>x</sub> Ozone Season allowance by the Administrator.

*Solid waste incineration unit* means a stationary, fossil-fuel-fired boiler or stationary, fossil-fuel-fired combustion turbine that is a “solid waste incineration unit” as defined in section 129(g)(1) of the Clean Air Act.

*Source* means all buildings, structures, or installations located in one or more contiguous or adjacent properties under common control of the same per-

son or persons. For purposes of section 502(c) of the Clean Air Act, a “source,” including a “source” with multiple units, shall be considered a single “facility.”

*State* means one of the States or the District of Columbia that is subject to the CAIR NO<sub>x</sub> Ozone Season Trading Program pursuant to § 52.35 of this chapter.

*Submit or serve* means to send or transmit a document, information, or correspondence to the person specified in accordance with the applicable regulation:

- (1) In person;
- (2) By United States Postal Service; or
- (3) By other means of dispatch or transmission and delivery. Compliance with any “submission” or “service” deadline shall be determined by the date of dispatch, transmission, or mailing and not the date of receipt.

*Title V operating permit* means a permit issued under title V of the Clean Air Act and part 70 or part 71 of this chapter.

*Title V operating permit regulations* means the regulations that the Administrator has approved or issued as meeting the requirements of title V of the Clean Air Act and part 70 or 71 of this chapter.

*Ton* means 2,000 pounds. For the purpose of determining compliance with the CAIR NO<sub>x</sub> Ozone Season emissions limitation, total tons of nitrogen oxides emissions for a control period shall be calculated as the sum of all recorded hourly emissions (or the mass equivalent of the recorded hourly emission rates) in accordance with subpart HHHH of this part, but with any remaining fraction of a ton equal to or greater than 0.50 tons deemed to equal one ton and any remaining fraction of a ton less than 0.50 tons deemed to equal zero tons.

*Topping-cycle cogeneration unit* means a cogeneration unit in which the energy input to the unit is first used to produce useful power, including electricity, and at least some of the reject heat from the electricity production is then used to provide useful thermal energy.

*Total energy input* means, with regard to a cogeneration unit, total energy of

all forms supplied to the cogeneration unit, excluding energy produced by the cogeneration unit itself. Each form of energy supplied shall be measured by the lower heating value of that form of energy calculated as follows:

$$\text{LHV} = \text{HHV} - 10.55(\text{W} + 9\text{H})$$

Where:

LHV = lower heating value of fuel in Btu/lb,  
 HHV = higher heating value of fuel in Btu/lb,  
 W = Weight % of moisture in fuel, and  
 H = Weight % of hydrogen in fuel.

*Total energy output* means, with regard to a cogeneration unit, the sum of useful power and useful thermal energy produced by the cogeneration unit.

*Unit* means a stationary, fossil-fuel-fired boiler or combustion turbine or other stationary, fossil-fuel-fired combustion device.

*Unit operating day* means a calendar day in which a unit combusts any fuel.

*Unit operating hour* or *hour of unit operation* means an hour in which a unit combusts any fuel.

*Useful power* means, with regard to a cogeneration unit, electricity or mechanical energy made available for use, excluding any such energy used in the power production process (which process includes, but is not limited to, any on-site processing or treatment of fuel combusted at the unit and any on-site emission controls).

*Useful thermal energy* means, with regard to a cogeneration unit, thermal energy that is:

(1) Made available to an industrial or commercial process (not a power production process), excluding any heat contained in condensate return or makeup water;

(2) Used in a heating application (*e.g.*, space heating or domestic hot water heating); or

(3) Used in a space cooling application (*i.e.*, thermal energy used by an absorption chiller).

*Utility power distribution system* means the portion of an electricity grid owned or operated by a utility and dedicated to delivering electricity to customers.

[65 FR 2727, Jan. 18, 2000, as amended at 71 FR 74795, Dec. 13, 2006; 72 FR 59207, Oct. 19, 2007]

### § 97.303 Measurements, abbreviations, and acronyms.

Measurements, abbreviations, and acronyms used in this subpart and subparts BBBB through IIII are defined as follows:

Btu—British thermal unit.  
 CO<sub>2</sub>—carbon dioxide.  
 H<sub>2</sub>O—water.  
 Hg—mercury.  
 hr—hour.  
 kW—kilowatt electrical.  
 kWh—kilowatt hour.  
 lb—pound.  
 mmBtu—million Btu.  
 MWe—megawatt electrical.  
 MWh—megawatt hour.  
 NO<sub>x</sub>—nitrogen oxides.  
 O<sub>2</sub>—oxygen.  
 ppm—parts per million.  
 scfh—standard cubic feet per hour.  
 SO<sub>2</sub>—sulfur dioxide.  
 yr—year.

### § 97.304 Applicability.

(a) Except as provided in paragraph (b) of this section:

(1) The following units in a State shall be CAIR NO<sub>x</sub> Ozone Season units, and any source that includes one or more such units shall be a CAIR NO<sub>x</sub> Ozone Season source, subject to the requirements of this subpart and subparts BBBB through HHHH of this part: any stationary, fossil-fuel-fired boiler or stationary, fossil-fuel-fired combustion turbine serving at any time, since the later of November 15, 1990 or the start-up of the unit(s) combustion chamber, a generator with nameplate capacity of more than 25 MWe producing electricity for sale.

(2) If a stationary boiler or stationary combustion turbine that, under paragraph (a)(1) of this section, is not a CAIR NO<sub>x</sub> Ozone Season unit begins to combust fossil fuel or to serve a generator with nameplate capacity of more than 25 MWe producing electricity for sale, the unit shall become a CAIR NO<sub>x</sub> Ozone Season unit as provided in paragraph (a)(1) of this section on the first date on which it both combusts fossil fuel and serves such generator.

(b) The units in a State that meet the requirements set forth in paragraph (b)(1)(i), (b)(2)(i), or (b)(2)(ii) of this section shall not be CAIR NO<sub>x</sub> Ozone Season units: