

**CHAPTER 145. INTERSTATE POLLUTION  
TRANSPORT REDUCTION**

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**Authority**

The provisions of this Chapter 145 issued under section 5(a)(1) of the Air Pollution Control Act (35 P. S. § 4005(a)(1)), unless otherwise noted.

**Source**

The provisions of this Chapter 145 adopted September 22, 2000, effective September 23, 2000, 30 Pa.B. 4899, unless otherwise noted.

**Cross References**

This chapter cited in 25 Pa. Code § 123.121 (relating to NO<sub>x</sub> Allowance Program transition); 25 Pa. Code § 127.208 (relating to ERC use and transfer requirements); 25 Pa. Code § 129.204 (relating to emission accountability); and 25 Pa. Code § 145.113 (relating to standard requirements).

**Subchapter A. NO<sub>x</sub> BUDGET TRADING PROGRAM**

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#### GENERAL PROVISIONS

##### § 145.1. Purpose.

This subchapter establishes general provisions and the applicability, allowance, excess emissions, monitoring and opt-in provisions for the NO<sub>x</sub> Budget Trading Program as a means of mitigating the interstate transport of ozone and nitrogen oxides, an ozone precursor.

##### Cross References

This section cited in 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

##### § 145.2. Definitions.

The following words and terms, when used in this subchapter, have the following meanings, unless the context clearly indicates otherwise:

*Account certificate of representation*—The completed and signed submission certifying the designation of a NO<sub>x</sub> authorized account representative for a NO<sub>x</sub> budget source or a group of identified NO<sub>x</sub> budget sources who is authorized to represent the owners and operators of the sources and of the NO<sub>x</sub> budget units at the sources with regard to matters under the NO<sub>x</sub> Budget Trading Program.

*Account number*—The identification number given by the Administrator to each NO<sub>x</sub> Allowance Tracking System account.

*Acid rain emissions limitation*—A limitation on emissions of sulfur dioxide or NO<sub>x</sub> under the Acid Rain Program under Title IV of the Clean Air Act (42 U.S.C.A. §§ 7651—7651o).

*Act*—The Air Pollution Control Act (35 P. S. §§ 4001—4015).

*Administrator*—The Administrator of the EPA or the Administrator's authorized representative.

*Allocate or allocation*—The determination by the Department of the number of NO<sub>x</sub> allowances to be initially credited to a NO<sub>x</sub> budget unit or an allocation set-aside.

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

*CAA*—The Clean Air Act (42 U.S.C.A. §§ 7401—7642).

*CEMS—continuous emission monitoring system*—The equipment required under this subchapter and Chapter 139 (relating to sampling and testing) to sample, analyze, measure and provide, by readings taken at least once every 15 minutes of the measured parameters, a permanent record of NO<sub>x</sub> emissions, expressed in pounds per hour for NO<sub>x</sub>. The following systems are component parts included, consistent with this subchapter and 40 CFR Part 75 (relating to continuous emission monitoring), in a continuous emission monitoring system:

- (i) Flow monitor.
- (ii) NO<sub>x</sub> pollutant concentration monitors.
- (iii) Diluent gas monitor (O<sub>2</sub> or CO<sub>2</sub>).
- (iv) A continuous moisture monitor.
- (v) A DAHS.

*Combined cycle system*—A system comprised of one or more combustion turbines, heat recovery steam generators and steam turbines configured to improve overall efficiency of electricity generation or steam production.

*Combustion turbine*—An enclosed fossil or other fuel-fired device that is comprised of a compressor, a combustor and a turbine, and in which the flue gas resulting from the combustion of fuel in the combustor passes through the turbine, rotating the turbine.

*Commence commercial operation*—With regard to a unit that serves a generator, to have begun to produce steam, gas or other heated medium used to generate electricity for sale or use, including test generation.

(i) Except as provided in § 145.4(b), § 145.5 or §§ 145.80—145.88 (relating to applicability; and opt-in process), for a unit that is a NO<sub>x</sub> budget unit under § 145.4 on the date the unit commences commercial operation, the date shall remain the unit's date of commencement of commercial operation even if the unit is subsequently modified, reconstructed or repowered.

(ii) Except as provided in § 145.4(b), § 145.5 or §§ 145.80—145.88, for a unit that is not a NO<sub>x</sub> budget unit under § 145.4 on the date the unit commences commercial operation, the date the unit becomes a NO<sub>x</sub> budget unit under § 145.4 is the unit's date of commencement of commercial operation.

*Commence operation*—To have begun any mechanical, chemical or electronic process, including, with regard to a unit, start-up of a unit's combustion chamber.

(i) Except as provided in § 145.4(b), § 145.5 or §§ 145.80—145.88, for a unit that is a NO<sub>x</sub> budget unit under § 145.4 on the date of commence-

ment of operation, the date shall remain the unit's date of commencement of operation even if the unit is subsequently modified, reconstructed or repowered.

(ii) Except as provided in § 145.4(b), § 145.5 or §§ 145.80—145.88, for a unit that is not a NO<sub>x</sub> budget unit under § 145.4 on the date of commencement of operation, the date the unit becomes a NO<sub>x</sub> budget unit under § 145.4 shall be the unit's date of commencement of operation.

*Common stack*—A single flue through which emissions from two or more units are exhausted.

*Compliance account*—A NO<sub>x</sub> Allowance Tracking System account for a NO<sub>x</sub> budget unit under this subchapter, in which the NO<sub>x</sub> allowance allocations for the unit are initially recorded and in which are held NO<sub>x</sub> allowances available for use by the unit for a control period for the purpose of meeting the unit's NO<sub>x</sub> budget emissions limitation.

*Compliance certification*—A submission to the Department and the Administrator that is required under this subchapter to report a NO<sub>x</sub> budget source's or a NO<sub>x</sub> budget unit's compliance or noncompliance with this subchapter and that is signed by the NO<sub>x</sub> authorized account representative in accordance with this subchapter.

*Control period*—The period beginning May 1 of a year and ending on September 30 of the same year, inclusive.

*DAHS—automated data acquisition and handling system*—The component of the CEMS, or other emissions monitoring system approved for use under this subchapter and Chapter 139, 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 this subchapter.

*Electricity for sale under firm contract to the electric grid*—Electricity for sale where the capacity involved is intended to be available at all times during the period covered by a guaranteed commitment to deliver, even under adverse conditions.

*Emissions*—Air contaminants exhausted from a unit or source into the atmosphere as determined in accordance with this subchapter.

*Energy Information Administration*—The Energy Information Administration of the United States Department of Energy.

*Excess emissions*—Any tonnage of NO<sub>x</sub> emitted by a NO<sub>x</sub> budget unit during a control period that exceeds the NO<sub>x</sub> budget emissions limitation for the unit.

*Fossil fuel*—Natural gas, petroleum, coal, or any form of solid, liquid or gaseous fuel derived from this material.

*Fossil fuel-fired*—With regard to a unit, one of the following:

(i) For units that commenced operation before January 1, 1996, the combination of fossil fuel, alone or in combination with any other fuel, where fossil fuel actually combusted comprises more than 50% of the annual heat input on a Btu basis during 1995, or, if a unit had no heat input in 1995, during the last year of operation of the unit prior to 1995.

(ii) For units that commenced operation on or after January 1, 1996, and before January 1, 1997, the combination of fossil fuel, alone or in combination with any other fuel, where fossil fuel actually combusted comprises more than 50% of the annual heat input on a Btu basis during 1996.

(iii) For units that commence operation on or after January 1, 1997, one of the following:

(A) The combination of fossil fuel, alone or in combination with any other fuel, where fossil fuel actually combusted comprises more than 50% of the annual heat input on a Btu basis during any year.

(B) The combination of fossil fuel, alone or in combination with any other fuel, where fossil fuel is projected to comprise more than 50% of the annual heat input on a Btu basis during any year, provided that the unit shall be “fossil fuel-fired” as of the date, during that year, on which the unit begins combusting fossil fuel.

*General account*—A NO<sub>x</sub> Allowance Tracking System account, established under this subchapter, that is not a compliance account or an overdraft account.

*Generator*—A device that produces electricity.

*Heat input*—The product (in mmBtu/time) of the gross calorific value of the fuel (in Btu/lb) divided by 1 million Btu and multiplied by the fuel feed rate into a combustion device (in mass of fuel/time) as determined in accordance with this subchapter, and does not include the heat derived from preheated combustion air, recirculated flue gases or exhaust from other sources.

*Heat input rate*—The amount of heat input (in mmBtu) divided by unit operating time 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.

*Life-of-the-unit, firm power contractual arrangement*—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 from any specified unit and pays its proportional amount of the unit’s total costs, pursuant to a contract for one of the following:

(i) The life of the unit.

(ii) A cumulative term of at least 30 years, including contracts that permit an election for early termination.

(iii) A period equal to or greater than 25 years or 70% 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*—The ability of a unit to combust a stated maximum amount of fuel per hour (in mmBtu/hr) on a steady state basis, as determined by the physical design and physical characteristics of the unit.

*Maximum potential hourly heat input*—An hourly heat input (in mmBtu/hr) used for reporting purposes when a unit lacks certified monitors to report heat input. If the unit intends to use 40 CFR Part 75, Appendix D (relating to optional SO<sub>2</sub> emissions data protocol for gas) to report heat input, this value shall be calculated, in accordance with 40 CFR Part 75, using the maximum fuel flow rate and the maximum gross calorific value. If the unit intends to use a flow monitor and a diluent gas monitor, this value shall be reported, in accordance with 40 CFR Part 75, using the maximum potential flow rate and either the maximum carbon dioxide concentration (in % CO<sub>2</sub>) or the minimum oxygen concentration (in % O<sub>2</sub>).

*Maximum potential NO<sub>x</sub> emission rate*—The emission rate of NO<sub>x</sub> (in lb/mmBtu) calculated in accordance with 40 CFR Part 75, Appendix F, Section 3 (relating to procedure for NO<sub>x</sub> emission rate), using the maximum potential NO<sub>x</sub> concentration as defined in 40 CFR Part 75 Appendix A, Section 2 (relating to equipment specifications), and either the maximum O<sub>2</sub> concentration (in % O<sub>2</sub>) or the minimum carbon dioxide concentration (in % CO<sub>2</sub>).

*Maximum rated hourly heat input*—A unit-specific maximum hourly heat input (mmBtu) which is the higher of the manufacturer's maximum rated hourly heat input or the highest observed hourly heat input.

*Monitoring system*—A monitoring system that meets the requirements of this subchapter, including a CEMS, an excepted monitoring system or an alternative monitoring system.

*Most stringent State or Federal NO<sub>x</sub> emissions limitation*—With regard to a NO<sub>x</sub> budget opt-in source, 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*—The maximum electrical generating output (in MWe) that a generator can sustain over a specified period of time when not restricted by seasonal or other deratings as measured in accordance with the United States Department of Energy standards.

*NO<sub>x</sub> allowance*—An authorization by the Department under the NO<sub>x</sub> Budget Trading Program to emit up to 1 ton of NO<sub>x</sub> during the control period of the specified year or of any year thereafter, except as provided under § 145.54(f) (relating to compliance). No provision of the NO<sub>x</sub> Budget Trading Program, any permit, or an exemption under § 145.4(b) or § 145.5 and no provision of law will be construed to limit the authority of the Department or the Administrator to terminate or limit the authorization, which does not constitute a property right. For purposes of all sections of this subchapter except §§ 145.41—145.43 and 145.88, NO<sub>x</sub> allowance also includes an authorization to emit up to

1 ton of NO<sub>x</sub> during the control period of the specified year or of any year thereafter by the Department or the Administrator.

*NO<sub>x</sub> allowance deduction or deduct NO<sub>x</sub> allowances*—The permanent withdrawal of NO<sub>x</sub> allowances from a NO<sub>x</sub> Allowance Tracking System compliance account or overdraft account to account for the number of tons of NO<sub>x</sub> emissions from a NO<sub>x</sub> budget unit for a control period, determined in accordance with this subchapter, or for any other allowance surrender obligation under this subchapter.

*NO<sub>x</sub> allowances held or hold NO<sub>x</sub> allowances*—The NO<sub>x</sub> allowances recorded or submitted for recordation, in accordance with this subchapter, in a NO<sub>x</sub> Allowance Tracking System account.

*NO<sub>x</sub> Allowance Tracking System*—The system for recording allocations, deductions and transfers of NO<sub>x</sub> allowances under the NO<sub>x</sub> Budget Trading Program.

*NO<sub>x</sub> Allowance Tracking System account*—An account in the NO<sub>x</sub> Allowance Tracking System for purposes of recording the allocation, holding, transferring or deducting of NO<sub>x</sub> allowances.

*NO<sub>x</sub> allowance transfer deadline*—Midnight of November 30 or, if November 30 is not a business day, midnight of the first business day thereafter and is the deadline by which NO<sub>x</sub> allowances may be submitted for recordation in a NO<sub>x</sub> budget unit's compliance account, or the overdraft account of the source where the unit is located, to meet the unit's NO<sub>x</sub> budget emissions limitation for the control period immediately preceding the deadline.

*NO<sub>x</sub> authorized account representative*—For a NO<sub>x</sub> budget source or NO<sub>x</sub> budget unit at the source, the natural person who is authorized by the owners and operators of the source and all NO<sub>x</sub> budget units at the source, in accordance with this subchapter, to represent and legally bind each owner and operator in matters pertaining to the NO<sub>x</sub> Budget Trading Program or, for a general account, the natural person who is authorized, in accordance with this subchapter, to transfer or otherwise dispose of NO<sub>x</sub> allowances held in the general account.

*NO<sub>x</sub> Budget Administrator*—The person or agency designated by the Department to administer the NO<sub>x</sub> Budget Trading Program. This person may be the Administrator of the EPA.

*NO<sub>x</sub> budget emissions limitation*—For a NO<sub>x</sub> budget unit, the tonnage equivalent of the NO<sub>x</sub> allowances available for compliance deduction for the unit and for a control period under § 145.54(a), (b), (e) and (f) adjusted by any deductions of the NO<sub>x</sub> allowances to account for actual heat input under § 145.42(e) (relating to NO<sub>x</sub> allowance allocations) for the control period or to account for excess emissions for a prior control period under § 145.54(d) or to account for withdrawal from the NO<sub>x</sub> Budget Trading Program, or for a change in regulatory status, for a NO<sub>x</sub> budget opt-in source under § 145.86 or

§ 145.87 (relating to opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program; and opt-in source change in regulatory status).

*NO<sub>x</sub> budget opt-in source*—A unit that has been elected to become a NO<sub>x</sub> budget unit under the NO<sub>x</sub> Budget Trading Program and whose NO<sub>x</sub> budget opt-in approval has been issued and is in effect under this subchapter.

*NO<sub>x</sub> budget source*—A source that includes one or more NO<sub>x</sub> budget units.

*NO<sub>x</sub> Budget Trading Program*—A multistate NO<sub>x</sub> air pollution control and emission reduction program established in accordance with this subchapter, as a means of mitigating the interstate transport of ozone and NO<sub>x</sub>, an ozone precursor.

*NO<sub>x</sub> budget unit*—A unit that is subject to the NO<sub>x</sub> Budget Trading Program emissions limitation under § 145.4 or § 145.80 (relating to application for opt-in sources).

*Operating*—With regard to a unit under § 145.80 (relating to application for opt-in sources), having documented heat input for more than 876 hours in the 6 months immediately preceding the submission of an application for an initial NO<sub>x</sub> budget opt-in approval under § 145.83 (relating to applying for NO<sub>x</sub> budget opt-in approval). The unit's documented heat input will be determined in accordance with 40 CFR Part 75 (relating to continuous emission monitoring) if the unit was otherwise subject to 40 CFR Part 75 during that 6-month period or will be based on the best available data reported to the Administrator for the unit if the unit was not otherwise subject to the requirements of 40 CFR Part 75 during that 6-month period.

*Operator*—A person who operates, controls or supervises a NO<sub>x</sub> budget unit, a NO<sub>x</sub> budget source or unit for which an application for a NO<sub>x</sub> budget opt-in approval under § 145.83 is submitted and not denied or withdrawn and shall include, but not be limited to, a holding company, utility system or plant manager of a unit or source.

*Opt-in*—To elect to become a NO<sub>x</sub> budget unit under the NO<sub>x</sub> Budget Trading Program through a final, effective NO<sub>x</sub> budget opt-in approval under this subchapter.

*Overdraft account*—The NO<sub>x</sub> Allowance Tracking System account established under this subchapter for each NO<sub>x</sub> budget source where there are two or more NO<sub>x</sub> budget units.

*Owner*—Any of the following persons:

(i) A holder of any portion of the legal or equitable title in a NO<sub>x</sub> budget unit or in a unit for which an application for a NO<sub>x</sub> budget opt-in approval under § 145.83 is submitted and not denied or withdrawn.

(ii) A holder of a leasehold interest in a NO<sub>x</sub> budget unit or in a unit for which an application for a NO<sub>x</sub> budget opt-in approval under § 145.83 is submitted and not denied or withdrawn.

(iii) A purchaser of power from a NO<sub>x</sub> budget unit or from a unit for which an application for a NO<sub>x</sub> budget opt-in approval under § 145.83 is

submitted and not denied or withdrawn under a life-of-the-unit, firm power contractual arrangement. However, unless expressly provided for in a leasehold agreement, an owner may not include a passive lessor, or a person who has an equitable interest through the lessor, whose rental payments are not based, either directly or indirectly, upon the revenues or income from the NO<sub>x</sub> budget unit or the unit for which an application for a NO<sub>x</sub> budget opt-in approval under § 145.83 is submitted and not denied or withdrawn.

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

*Percent monitor data availability*—For the purposes of §§ 145.43(a)(1) and 145.84(2) (relating to compliance supplement pool; and opt-in procedures), the total unit operating hours for which quality-assured data were recorded under this subchapter in a control period, divided by the total unit operating hours during the control period, and multiplied by 100%.

*Potential electrical output capacity*—Thirty-three percent of a unit's maximum design heat input.

*Receive or receipt of*—When referring to the Department, the Administrator or the NO<sub>x</sub> Budget Administrator to come into possession of a document, information or correspondence (whether sent in writing or by authorized electronic transmission), as indicated in an official correspondence log, or by a notation made on the document, information or correspondence, by the Department or Administrator in the regular course of business.

*Recordation, record or recorded*—With regard to NO<sub>x</sub> allowances, the movement of NO<sub>x</sub> allowances from one NO<sub>x</sub> Allowance Tracking System account to another, for purposes of allocation, transfer or deduction.

*Reference method*—A direct test method of sampling and analyzing for an air pollutant as specified in 40 CFR Part 60, Appendix A (relating to specifications and test).

*Serial number*—When referring to NO<sub>x</sub> allowances, the unique identification number assigned to each NO<sub>x</sub> allowance, under § 145.53(c).

*Source*—A governmental, institutional, commercial or industrial structure, installation, plant, building or facility that emits or has the potential to emit a regulated air pollutant under the Clean Air Act. For purposes of section 502(c) of the Clean Air Act (42 U.S.C.A. § 7661a(c)), a source, including a source with multiple units, shall be considered a single facility.

*State*—One of the 48 contiguous states and the District of Columbia that adopts a NO<sub>x</sub> Budget Trading Program. The term shall have its conventional meaning where the meaning is clear from the context.

*State trading program budget*—The total number of NO<sub>x</sub> tons apportioned to all NO<sub>x</sub> budget units in a given state, in accordance with the NO<sub>x</sub> Budget Trading Program, for use in a given control period.

*Submit or serve*—To send or transmit a document, information or correspondence to the person specified in accordance with the applicable regulation by one of the following methods:

- (i) In person.
- (ii) By United States Postal Service.
- (iii) By other means of dispatch or transmission and delivery. Except where otherwise expressly provided, compliance with any submission, service or mailing deadline shall be determined by the date of dispatch, transmission or mailing and not the date of receipt.

*Ton or tonnage*—A “short ton” (that is, 2,000 pounds). For the purpose of determining compliance with the NO<sub>x</sub> budget emissions limitation, total tons for a control period shall be calculated as the sum of all recorded hourly emissions (or the tonnage equivalent of the recorded hourly emissions rates) in accordance with this subchapter, with any remaining fraction of a ton equal to or greater than 0.50 ton deemed to equal 1 ton and any fraction of a ton less than 0.50 ton deemed to equal zero tons.

*Unit*—A fossil fuel-fired stationary boiler, combustion turbine or combined cycle system.

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

*Unit operating hour or hour of unit operation*—Any hour (or fraction of an hour) during which a unit combusts any fuel.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.204 (relating to emission accountability); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

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

Measurements, abbreviations and acronyms used in this subchapter are defined as follows:

- Btu*—British thermal unit.  
*hr*—Hour.  
*Kw*—Kilowatt electrical.  
*Kwh*—Kilowatt hour.  
*lb*—Pounds.  
*mmBtu*—Million Btu.  
*MWe*—Megawatt electrical.  
*Ton*—2,000 pounds.

$CO_2$ —Carbon dioxide.

$NO_x$ —Nitrogen oxides.

$O_2$ —Oxygen.

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### § 145.4. Applicability.

(a) The following units shall be  $NO_x$  budget units, and any source that includes one or more of the units shall be a  $NO_x$  budget source, subject to the requirements of this subchapter:

(1) *Electric generating units.*

(i) For units that commenced operation before January 1, 1997, a unit serving a generator during 1995 or 1996 that had a nameplate capacity greater than 25 MWe and produced electricity for sale under firm contract to the electric grid.

(ii) For units that commenced operation on or after January 1, 1997, and before January 1, 1999, a unit serving a generator during 1997 or 1998 that had a nameplate capacity greater than 25 MWe and produced electricity for sale under firm contract to the electric grid.

(iii) For units that commenced operation on or after January 1, 1999, a unit serving a generator at any time that has a nameplate capacity greater than 25 MWe and produces electricity for sale.

(2) *Nonelectric generating units.*

(i) For units that commenced operation before January 1, 1997, a unit that has a maximum design heat input greater than 250 mmBtu/hr and that did not serve during 1995 or 1996 a generator producing electricity for sale under firm contract to the electric grid.

(ii) For units that commenced operation on or after January 1, 1997, and before January 1, 1999, a unit that has a maximum design heat input greater than 250 MMBtu/hr and that did not serve during 1997 or 1998 a generator producing electricity for sale under firm contract to the electric grid.

(iii) For units that commenced operation on or after January 1, 1999, a unit with a maximum design heat input greater than 250 mmBtu/hr that does one of the following:

(A) At no time serves a generator producing electricity for sale.

(B) At any time serves a generator producing electricity for sale, if the generator has a nameplate capacity of 25 MWe or less and has the potential to use no more than 50% of the potential electrical output capacity of the unit.

(b) *Twenty-five ton exemption.*

(1) Notwithstanding subsection (a), a unit under subsection (a)(1) or (2) that has a Federally enforceable permit that includes a  $NO_x$  emission limitation

restricting NO<sub>x</sub> emissions during a control period to 25 tons or less and that includes the special provisions in subsection (b)(4) shall be exempt from the requirements of the NO<sub>x</sub> Budget Trading Program, except for subsection (a), this paragraph and §§ 145.2, 145.3, 145.7, 145.40—145.43, 145.50—145.57 and 145.60—145.62. The NO<sub>x</sub> emission limitation under this paragraph shall restrict NO<sub>x</sub> emissions during the control period by limiting unit operating hours or heat input. The restriction on unit operating hours shall be calculated by dividing the permit restriction tonnage by the unit's maximum potential hourly NO<sub>x</sub> mass emissions, which shall equal the unit's maximum rated hourly heat input multiplied by the highest default NO<sub>x</sub> emission rate otherwise applicable to the unit under 40 CFR 75.19 (relating to optional emissions calculation for low mass emissions units). The restriction on heat input shall be calculated by dividing the permit restriction tonnage by the unit's highest default NO<sub>x</sub> emission rate otherwise applicable to the unit under 40 CFR 75.19.

(2) The exemption under paragraph (1) shall become effective under one of the following subparagraphs as follows:

(i) The exemption shall become effective on the date on which the NO<sub>x</sub> emission limitation and the special provisions in the permit under paragraph (1) become final.

(ii) If the NO<sub>x</sub> emission limitation and the special provisions in the permit under paragraph (1) become final during a control period and after the first date on which the unit operates during that control period, the exemption shall become effective on May 1 of the control period, provided that the NO<sub>x</sub> emission limitation and the special provisions apply to the unit as of the first date of operation. If the NO<sub>x</sub> emission limitation and special provisions do not apply to the unit as of the first date of operation, the exemption under paragraph (1) shall become effective on October 1 of the year during which the NO<sub>x</sub> emission limitation and the special provisions become final.

(3) The Department will provide notice to the NO<sub>x</sub> Budget Administrator of the issuance of the permit and, upon request, a copy of the permit.

(4) Special provisions are as follows:

(i) A unit exempt under paragraph (1) shall comply with the restriction on unit operating hours described in paragraph (1) during the control period each year.

(ii) The Department will allocate NO<sub>x</sub> allowances to the unit under §§ 145.41(a)—(c) and 145.42(a)—(c) (relating to timing requirements for NO<sub>x</sub> allowance allocations; and NO<sub>x</sub> allowance allocations) for each control period for which the unit is allocated NO<sub>x</sub> allowances under §§ 145.41(a)—(c) and 145.42(a)—(c) the following shall occur:

(A) The owners and operators of the unit shall specify a general account, in which the NO<sub>x</sub> Budget Administrator will record the NO<sub>x</sub> allowances.

(B) After the NO<sub>x</sub> Budget Administrator records NO<sub>x</sub> allowances under §§ 145.41(a)—(c) and 145.42(a)—(c), the NO<sub>x</sub> Budget Administrator will deduct, from the general account specified in clause (A), NO<sub>x</sub> allowances that are allocated for the same or a prior control period as the NO<sub>x</sub> allowances allocated to the unit under §§ 145.41(a)—(c) and 145.42(a)—(c) and that equal the NO<sub>x</sub> emission limitation (in tons of NO<sub>x</sub>) on which the unit's exemption under paragraph (1) is based. The NO<sub>x</sub> authorized account representative shall ensure that the general account contains the NO<sub>x</sub> allowances necessary for completion of the deduction.

(iii) A unit exempt under subsection (b) shall report hours of unit operation during the control period in each year to the Department by November 1 of that year.

(iv) For 5 years from the date the records are created, the owners and operators of a unit exempt under paragraph (1) shall retain records demonstrating that the conditions of the Federally enforceable permit under paragraph (1) were met, including the restriction on unit operating hours. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Department or administrator. The owners and operators bear the burden of proof that the unit met the restriction on unit operating hours.

(v) The owners and operators and, to the extent applicable, the NO<sub>x</sub> authorized account representative of a unit exempt under paragraph (1) shall comply with the requirements of the NO<sub>x</sub> Budget Trading Program concerning all periods for which the exemption is not in effect, even if these requirements arise, or must be complied with, after the exemption takes effect.

(vi) On the earlier of the following dates, a unit exempt under paragraph (1) shall lose its exemption when one of the following occurs:

(A) The date on which the restriction on unit operating hours described in paragraph (1) is removed from the unit's Federally enforceable permit or otherwise becomes no longer applicable to any control period starting in 2003.

(B) The first date on which the unit fails to comply, or with regard to which the owners and operators fail to meet their burden of proving that the unit is complying, with the restriction on unit operating hours described in paragraph (1) during any control period starting in 2003.

(vii) A unit that loses its exemption in accordance with subparagraph (vi) shall be subject to this subchapter. For the purpose of allocating allowances under §§ 145.40—145.43 (relating to State trading program budget) and applying monitoring requirements under §§ 145.70—145.76 (relating to recordkeeping and reporting requirements), the unit shall be treated as commencing operation and, if the unit is covered by subsection (a)(1), commencing commercial operation on the date the unit loses its exemption.

(viii) a unit that is exempt under paragraph (1) is not eligible to be a NO<sub>x</sub> budget opt-in unit under §§ 145.80—145.88 (relating to opt-in process).

#### Cross References

This section cited in 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.8 (relating to transition to CAIR NO<sub>x</sub> trading programs); 25 Pa. Code § 145.40 (relating to State Trading Program budget); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); and 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status).

### § 145.5. Retired unit exemption.

(a) *Application.* This section applies to a NO<sub>x</sub> budget unit, other than a NO<sub>x</sub> budget opt-in source, that is permanently retired.

(b) *Requirements.*

(1) A NO<sub>x</sub> budget unit, other than a NO<sub>x</sub> budget opt-in source, that is permanently retired is exempt from the NO<sub>x</sub> Budget Trading Program, except for the provisions of this section, §§ 145.2, 145.3, 145.4, 145.6, 145.7 and 145.40—145.43, 145.50—145.57 and 145.60—145.62.

(2) The exemption under paragraph (1) shall become effective the day on which the unit is permanently retired. Within 30 days of permanent retirement, the NO<sub>x</sub> authorized account representative (authorized in accordance with this subchapter) shall submit a statement to the Department. A copy of the statement shall be submitted to the Administrator. The statement shall state (in a format prescribed by the Department) that the unit is permanently retired and will comply with subsection (c).

(3) After receipt of the notice under paragraph (2), the Department will amend any permit issued by the Department covering the source at which the unit is located to add the provisions and requirements of the exemption under paragraph (1) and subsection (c).

(c) *Special provisions.*

(1) A unit exempt under this section may not emit NO<sub>x</sub>, starting on the date that the exemption takes effect. The owners and operators of the unit will be allocated allowances in accordance with §§ 145.40—145.43 (relating to NO<sub>x</sub> allowance allocations).

(2) A unit exempt under this section may not resume operation unless authorized by the Department. The NO<sub>x</sub> authorized account representative of the source shall submit a restart request to the Department for the unit at least 18 months prior to the date on which the unit is to first resume operation. The restart request shall, at a minimum, contain the following:

- (i) Identification of the NO<sub>x</sub> budget source, including the plant name and the Office of Regulatory Information Systems or facility code assigned to the source by the energy information administration, if applicable.
  - (ii) Identification of each NO<sub>x</sub> budget unit at the NO<sub>x</sub> budget source and whether it is a NO<sub>x</sub> budget unit under § 145.4 or §§ 145.80—145.88 (relating to opt-in process).
- (3) The owners and operators and, to the extent applicable, the NO<sub>x</sub> authorized account representative of a unit exempt under this section shall comply with the requirements of the NO<sub>x</sub> Budget Trading Program concerning all periods for which the exemption is not in effect, even if the requirements arise, or must be complied with, after the exemption takes effect.
- (4) A unit that is exempt under this section is not eligible to be a NO<sub>x</sub> budget opt-in source under §§ 145.80—145.88.
- (5) For 5 years from the date the records are created, the owners and operators of a unit exempt under this section shall retain at the source that includes the unit, records demonstrating that the unit is permanently retired. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the Department or the Administrator. The owners and operators bear the burden of proof that the unit is permanently retired.
- (6) Loss of an exemption will be as follows:
- (i) On the earlier of the following dates, a unit exempt under subsection (b) shall lose its exemption:
    - (A) The date on which the NO<sub>x</sub> authorized account representative submits a restart application under paragraph (2).
    - (B) The date on which the NO<sub>x</sub> authorized account representative is required under paragraph (2) to submit a restart application.
  - (ii) For the purpose of applying monitoring requirements under §§ 145.70—145.76 (relating to recordkeeping and reporting requirements), a unit that loses its exemption under this section shall be treated as a unit that commences operation or commercial operation on the first date on which the unit resumes operation.

#### Cross References

This section cited in 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

### § 145.6. Standard requirements.

- (a) *Monitoring requirements.*
  - (1) The owners and operators and the NO<sub>x</sub> authorized account representative of each NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall

comply with the monitoring requirements of §§ 145.70—145.76 (relating to recordkeeping and recording requirements).

(2) The emissions measurements recorded and reported in accordance with §§ 145.70—145.76 shall be used to determine compliance by the unit with the NO<sub>x</sub> budget emissions limitation under subsection (c).

(b) *NO<sub>x</sub> requirements.*

(1) The owners and operators of each NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall hold NO<sub>x</sub> allowances available for compliance deductions under § 145.54 (relating to compliance), as of the NO<sub>x</sub> allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NO<sub>x</sub> emissions for the control period from the unit, as determined in accordance with §§ 145.70—145.76 plus any amount necessary to account for actual heat input under § 145.42(e) (relating to NO<sub>x</sub> allowance allocations) for the control period or to account for excess emissions for a prior control period under § 145.54(d) or to account for withdrawal from the NO<sub>x</sub> Budget Trading Program, or a change in regulatory status, of a NO<sub>x</sub> budget opt-in unit under § 145.86 or § 145.87 (relating to opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program; and opt-in source change in regulatory status).

(2) Each ton of NO<sub>x</sub> emitted in excess of the NO<sub>x</sub> budget emissions limitation shall constitute a separate violation of this subchapter and the act.

(3) A NO<sub>x</sub> budget unit shall be subject to paragraph (1) starting on May 1, 2003, or the date on which the unit commences operation, whichever is later.

(4) NO<sub>x</sub> allowances shall be held in, deducted from or transferred among NO<sub>x</sub> Allowance Tracking System accounts in accordance with §§ 145.40—145.43, 145.50—145.57, 145.60—145.62 and 145.80—145.88.

(5) A NO<sub>x</sub> allowance may not be deducted, to comply with paragraph (1), for a control period in a year prior to the year for which the NO<sub>x</sub> allowance was allocated.

(6) A NO<sub>x</sub> allowance allocated by the Department under the NO<sub>x</sub> Budget Trading Program is a limited authorization to emit 1 ton of NO<sub>x</sub> in accordance with the NO<sub>x</sub> Budget Trading Program. No provision of the NO<sub>x</sub> Budget Trading Program or an exemption under § 145.4(b) or § 145.5 (relating to applicability; and retired unit exemption) and no provision of law limit the authority of the United States or the Department to terminate or limit the authorization.

(7) A NO<sub>x</sub> allowance allocated by the Department under the NO<sub>x</sub> Budget Trading Program does not constitute a property right.

(c) *Excess emissions.* The owners and operators of a NO<sub>x</sub> budget unit that has excess emissions in any control period shall do the following:

(1) Surrender the NO<sub>x</sub> allowances required for deduction under § 145.54(d)(1).

(2) Pay any fine, penalty or assessment or comply with any other remedy imposed under § 145.54(d)(3) or the act.

(d) *Recordkeeping and reporting requirements.*

(1) Unless otherwise provided, the owners and operators of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall maintain at a central location and provide upon request by the Department or the NO<sub>x</sub> Budget Administrator the following documents for 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Department or the Administrator.

(i) The account certificate of representation for the NO<sub>x</sub> authorized account representative for the source and each NO<sub>x</sub> budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation, in accordance with § 145.13 (relating to account certificate of representation). The certificate and documents shall be retained beyond the 5-year period until the documents are superseded because of the submission of a new account certificate of representation changing the NO<sub>x</sub> authorized account representative.

(ii) The emissions monitoring information, in accordance with §§ 145.70—145.76. To the extent that §§ 145.70—145.76 provides for a 3-year period for recordkeeping, the 3-year period applies.

(iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the NO<sub>x</sub> Budget Trading Program.

(iv) Copies of the documents used to complete any submission under the NO<sub>x</sub> Budget Trading Program or to demonstrate compliance with the NO<sub>x</sub> Budget Trading Program.

(2) The NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source shall submit the reports and compliance certifications required under the NO<sub>x</sub> Budget Trading Program, including those under §§ 145.30, 145.31, 145.70—145.76 and 145.80—145.88.

(e) *Liability.*

(1) A permit revision may not excuse any violation of the requirements of the NO<sub>x</sub> Budget Trading Program that occurs prior to the date that the revision takes effect.

(2) Each NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit shall meet the requirements of the NO<sub>x</sub> Budget Trading Program.

(3) Any provision of the NO<sub>x</sub> Budget Trading Program that applies to a NO<sub>x</sub> budget source (including a provision applicable to the NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget source) shall also apply to the owners and operators of the source and of the NO<sub>x</sub> budget units at the source.

(4) Any provision of the NO<sub>x</sub> Budget Trading Program that applies to a NO<sub>x</sub> budget unit (including a provision applicable to the NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget unit) shall also apply to the owners and operators of the unit. Except with regard to the requirements applicable to units with a common stack under §§ 145.70—145.76 the owners and operators and

the NO<sub>x</sub> authorized account representative of one NO<sub>x</sub> budget unit is not liable for any violation by any other NO<sub>x</sub> budget unit of which they are not owners or operators or the NO<sub>x</sub> authorized account representative and that is located at a source of which they are not owners or operators or the NO<sub>x</sub> authorized account representative.

(f) *Effect on other authorities.* No provision of the NO<sub>x</sub> Budget Trading Program or an exemption under § 145.4(b) or § 145.5 shall be construed as exempting or excluding the owners and operators and the NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget source or NO<sub>x</sub> budget unit from compliance with any other provision of the regulations promulgated under the CAA or the act.

#### Cross References

This section cited in 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

### § 145.7. Computation of time.

(a) Unless otherwise stated, any time period scheduled, under the NO<sub>x</sub> Budget Trading Program, to begin on the occurrence of an act or event shall begin on the day the act or event occurs.

(b) Unless otherwise stated, any time period scheduled, under the NO<sub>x</sub> Budget Trading Program, to begin before the occurrence of an act or event shall be computed so that the period ends the day before the act or event occurs.

(c) Unless otherwise stated, if the final day of any time period, under the NO<sub>x</sub> Budget Trading Program, falls on a weekend or a State or Federal holiday, the time period shall be extended to the next business day.

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### § 145.8. Transition to CAIR NO<sub>x</sub> trading programs.

(a) *Allowances.* The final year for NO<sub>x</sub> allowance allocations to be made by the Department under §§ 145.41 and 145.42 (relating to timing requirements for NO<sub>x</sub> allowance allocations; and NO<sub>x</sub> allowance allocations) will be 2008. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 CFR Part 97 (relating to Federal NO<sub>x</sub> Budget Trading Program and CAIR NO<sub>x</sub> and SO<sub>2</sub> Trading Programs). CAIR NO<sub>x</sub> Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with Subchapter D (relating to CAIR NO<sub>x</sub> and SO<sub>2</sub> Trading Programs).

(b) *Termination and retirement of allowances.* NO<sub>x</sub> allowances already allocated under this subchapter for 2009 or later are terminated and may not be used for compliance with the CAIR NO<sub>x</sub> Annual Trading Program or the CAIR NO<sub>x</sub> Ozone Season Trading Program, as those terms are defined in 40 CFR 96.102 and 96.302 (relating to definitions). By January 1, 2009, the Department will perma-

nently retire the Commonwealth's non-EGU NO<sub>x</sub> Trading Program Budget of 3,619 allowances established in § 145.40 (relating to State Trading Program budget).

(c) *Requirements replaced.* The emission limitations and monitoring requirements established in Subchapter A (relating to NO<sub>x</sub> Budget Trading Program) are replaced by the requirements in Subchapter D beginning with the May 1, 2010, control period. If the owner or operator of a NO<sub>x</sub> budget unit or CAIR NO<sub>x</sub> Ozone Season unit, as defined in 40 CFR 96.302, has failed to demonstrate compliance with § 145.54 (relating to compliance), the provisions in 40 CFR 96.354 (relating to compliance with CAIR NO<sub>x</sub> emissions limitation) shall be used to withhold CAIR NO<sub>x</sub> Ozone Season allowances, as that term is defined in 40 CFR 96.302, in calendar year 2010 and beyond. If no CAIR NO<sub>x</sub> Ozone Season allowances are provided to the unit under § 145.221 (relating to timing requirements for CAIR NO<sub>x</sub> Ozone Season allowance allocations), the owner or operator of the unit shall acquire and retire a number of CAIR NO<sub>x</sub> Ozone Season allowances as specified in 40 CFR 96.354.

(d) *Non-EGU NO<sub>x</sub> Trading Program Budget.* For units subject to the applicability requirements of § 145.4 (relating to applicability), but not subject to the CAIR NO<sub>x</sub> Ozone Season Trading Program requirements of Subchapter D, the following requirements apply:

(1) *Statewide limitation.* The sum of NO<sub>x</sub> ozone season emissions from all units subject to this subsection may not exceed the Commonwealth's non-EGU NO<sub>x</sub> Trading Program budget of 3,619 tons during any ozone season.

(2) *CAIR NO<sub>x</sub> Ozone Season allowances.* All units subject to this subsection shall monitor and report NO<sub>x</sub> emissions in accordance with 40 CFR Part 96, Subpart HHHH (relating to monitoring and reporting), and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF (relating to CAIR designated representative for CAIR NO<sub>x</sub> Ozone Season sources; and CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System), incorporated into Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NO<sub>x</sub> Trading Program budget limitation of paragraph (1) and of retiring CAIR NO<sub>x</sub> Ozone Season allowances.

(3) *CAIR NO<sub>x</sub> allowances.* All units subject to this subsection shall establish a CAIR-authorized account representative and general account in accordance with 40 CFR Part 96, Subparts BB and FF (relating to CAIR designated representative for CAIR NO<sub>x</sub> sources; and CAIR NO<sub>x</sub> allowance tracking system), incorporated into Subchapter D by reference, for the purpose of retiring CAIR NO<sub>x</sub> allowances.

(4) *Emissions below Statewide limitation.* If the total ozone season emissions from all units subject to this subsection are less than 3,438 tons of NO<sub>x</sub>, the Department's permanent retirement of allowances covers all applicable emissions and no additional account transactions are required by the units covered under this subsection.

(5) *Allowable emissions per unit.* By January 31, 2009, and by January 31 of each year thereafter, the Department will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows:

Allowable emission rate X each unit's heat input

Where "Allowable emission rate" =

$$\frac{3,438 \text{ tons of NOx}}{\text{Combined heat input of all units during the most recent ozone season}}$$

(6) *Allowance surrender for excess emissions.* If the combined NOx emissions from all units subject to this subsection exceed 3,438 tons in an ozone season, then a unit whose actual emissions exceed the unit's allowable emissions for that ozone season, as determined under paragraph (5), shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A unit whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Units under common ownership may include the allowable and actual emissions from multiple units to determine whether a unit must surrender allowances.

(7) *Surrender procedure.* To surrender allowances under paragraph (6), an owner or operator of a unit shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following:

- (i) The serial number of each allowance surrendered.
- (ii) The calculations used to determine the quantity of allowances required to be surrendered.

(8) *Failure to surrender allowances.* If an owner or operator fails to comply with paragraph (6), the owner or operator shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under paragraph (6).

(9) *Liability not affected.* The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under paragraph (6) does not affect the liability of the owner or operator of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the unit demonstrates that a lesser number of days should be considered.

- (ii) Each ton of excess emissions is a separate violation.

(10) *Allowance retirement.* The Department will permanently retire to the Department's CAIR NO<sub>x</sub> retirement account the allowances surrendered under paragraphs (6)—(9).

(11) *Actual emissions below allowable emissions.* If a facility's allowable emissions exceed the facility's actual emissions for an ozone season, the owner or operator may deduct the difference or any portion of the difference from the actual emissions of units under the facility's common control that are subject to §§ 129.201—129.203 (relating to boilers; stationary combustion turbines; and stationary internal combustion engines).

(12) *Corrections.* One hundred and eighty-one tons of allowable NO<sub>x</sub> emissions are available to the Department annually for accounting corrections.

#### Authority

The provisions of this § 145.8 adopted under section 5 of the Air Pollution Control Act (35 P. S. § 4005).

#### Source

The provisions of this § 145.8 adopted April 11, 2008, effective April 12, 2008, 38 Pa.B. 1705.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); and 25 Pa. Code § 129.202 (relating to stationary combustion turbines).

### NO<sub>x</sub> ACCOUNT

#### § 145.10. Authorization and responsibilities of the NO<sub>x</sub> authorized account representative.

(a) Except as provided under § 145.11 (relating to alternate NO<sub>x</sub> authorized account representative), each NO<sub>x</sub> budget source, including all NO<sub>x</sub> budget units at the source, shall have only one NO<sub>x</sub> authorized account representative, with regard to all matters under the NO<sub>x</sub> Budget Trading Program concerning the source or any NO<sub>x</sub> budget unit at the source.

(b) The NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget source shall be selected by an agreement binding on the owners and operators of the source and all NO<sub>x</sub> budget units at the source.

(c) Upon receipt by the Department and the NO<sub>x</sub> Budget Administrator of a complete account certificate of representation under § 145.13 (relating to account certificate of representation), the NO<sub>x</sub> authorized account representative of the source shall represent and, by his representations, actions, inactions or submissions, legally bind each owner and operator of the NO<sub>x</sub> budget source represented and each NO<sub>x</sub> budget unit at the source in all matters pertaining to the NO<sub>x</sub> Budget Trading Program, notwithstanding any agreement between the NO<sub>x</sub> authorized account representative and the owners and operators. The owners and operators shall be bound by any decision or order issued to the NO<sub>x</sub> authorized account representative by the Department, the Administrator or a court regarding the source or unit.

(d) A NO<sub>x</sub> Allowance Tracking System account will not be established for a NO<sub>x</sub> budget unit at a source, until the Department and the NO<sub>x</sub> Budget Adminis-

trator have received a complete account certificate of representation under § 145.13 for a NO<sub>x</sub> authorized account representative of the source and the NO<sub>x</sub> budget units at the source.

(e) Document submission requirements are as follows:

(1) Each submission under the NO<sub>x</sub> Budget Trading Program shall be submitted, signed and certified by the NO<sub>x</sub> authorized account representative for each NO<sub>x</sub> budget source on behalf of which the submission is made. Each submission shall include the following certification statement by the NO<sub>x</sub> authorized account representative:

“I am authorized to make this submission on behalf of the owners and operators of the NO<sub>x</sub> budget sources or NO<sub>x</sub> budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.”

(2) The Department and NO<sub>x</sub> Budget Administrator will accept or act on a submission made on behalf of owner or operators of a NO<sub>x</sub> budget source or a NO<sub>x</sub> budget unit only if the submission has been made, signed and certified in accordance with paragraph (1).

#### Cross References

This section cited in 25 Pa. Code § 145.11 (relating to alternate NO<sub>x</sub> authorized account representative); 25 Pa. Code § 145.74 (relating to recordkeeping and reporting); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

#### § 145.11. Alternate NO<sub>x</sub> authorized account representative.

(a) An account certificate of representation may designate only one alternate NO<sub>x</sub> authorized account representative who may act on behalf of the NO<sub>x</sub> authorized account representative. The agreement by which the alternate NO<sub>x</sub> authorized account representative is selected shall include a procedure for authorizing the alternate NO<sub>x</sub> authorized account representative to act in lieu of the NO<sub>x</sub> authorized account representative.

(b) Upon receipt by the Department and NO<sub>x</sub> Budget Administrator of a complete account certificate of representation under § 145.13 (relating to account certificate of representation), any representation, action, inaction or submission by the alternate NO<sub>x</sub> authorized account representative shall be deemed to be a representation, action, inaction or submission by the NO<sub>x</sub> authorized account representative.

(c) Except in this section and §§ 145.10(a), 145.12, 145.13 and 145.51, whenever the term “NO<sub>x</sub> authorized account representative” is used in this subchapter, the term shall include the alternate NO<sub>x</sub> authorized account representative.

#### Cross References

This section cited in 25 Pa. Code § 145.10 (relating to authorization and responsibilities of the NO<sub>x</sub> authorized account representative); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### § 145.12. Changing the NO<sub>x</sub> authorized account representative and the alternate NO<sub>x</sub> authorized account representative; changes in the owners and operators.

(a) *Changing the NO<sub>x</sub> authorized account representative.* The NO<sub>x</sub> authorized account representative may be changed at any time upon receipt by the Department and the NO<sub>x</sub> Budget Administrator of a superseding complete account certificate of representation under § 145.13 (relating to account certificate of representation). Notwithstanding a change, the representations, actions, inactions and submissions by the previous NO<sub>x</sub> authorized account representative prior to the time and date when the Department and the NO<sub>x</sub> Budget Administrator receives the superseding account certificate of representation shall be binding on the new NO<sub>x</sub> authorized account representative and the owners and operators of the NO<sub>x</sub> budget source and the NO<sub>x</sub> budget units at the source.

(b) *Changing the alternate NO<sub>x</sub> authorized account representative.* The alternate NO<sub>x</sub> authorized account representative may be changed at any time upon receipt by the Department and the NO<sub>x</sub> Budget Administrator of a superseding complete account certificate of representation under § 145.13. Notwithstanding a change, the representations, actions, inactions and submissions by the previous alternate NO<sub>x</sub> authorized account representative prior to the time and date when the Department and the NO<sub>x</sub> Budget Administrator receives the superseding account certificate of representation shall be binding on the new alternate NO<sub>x</sub> authorized account representative and the owners and operators of the NO<sub>x</sub> budget source and the NO<sub>x</sub> budget units at the source.

(c) *Changes in the owners and operators.*

(1) If a new owner or operator of a NO<sub>x</sub> budget source or a NO<sub>x</sub> budget unit is not included in the list of owners and operators submitted in the account certificate of representation, the new owner or operator shall be deemed to be subject to and bound by the account certificate of representation, the representations, actions, inactions and submissions of the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative of the source or unit, and the decisions, orders, actions and inactions of the Department or the NO<sub>x</sub> Budget Administrator, as if the new owner or operator were included in the list.

(2) Within 30 days following any change in the owners and operators of a NO<sub>x</sub> budget source or a NO<sub>x</sub> budget unit, including the addition of a new

owner or operator, the NO<sub>x</sub> authorized account representative or alternate NO<sub>x</sub> authorized account representative shall submit a revision to the account certificate of representation amending the list of owners and operators to include the change.

#### Cross References

This section cited in 25 Pa. Code § 145.11 (relating to alternate NO<sub>x</sub> authorized account representative); 25 Pa. Code § 145.14 (relating to objections concerning the NO<sub>x</sub> authorized account representative); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### § 145.13. Account certificate of representation.

(a) A complete account certificate of representation for a NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative shall include the following elements in a format prescribed by the NO<sub>x</sub> Budget Administrator:

(1) Identification of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source for which the account certificate of representation is submitted.

(2) The name, address, e-mail address (if any), telephone number and facsimile transmission number (if any) of the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative.

(3) A list of the owners and operators of the NO<sub>x</sub> budget source and of each NO<sub>x</sub> budget unit at the source.

(4) The following certification statement by the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative:

“I certify that I was selected as the NO<sub>x</sub> authorized account representative or alternate NO<sub>x</sub> authorized account representative, as applicable, by an agreement binding on the owners and operators of the NO<sub>x</sub> budget source and each NO<sub>x</sub> budget unit at the source. I certify that I have all the necessary authority to carry out my duties and responsibilities under the NO<sub>x</sub> Budget Trading Program on behalf of the owners and operators of the NO<sub>x</sub> budget source and of each NO<sub>x</sub> budget unit at the source and that each owner and operator shall be fully bound by my representations, actions, inactions, or submissions and by any decision or order issued to me by the Department, the Administrator or a court regarding the source or unit.”

(5) The signature of the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative and the dates signed.

(b) Unless otherwise required by the Department or the Administrator, documents of agreement referred to in the account certificate of representation may not be submitted to the Department or Administrator. The Department and Administrator are not under any obligation to review or evaluate the sufficiency of these documents, if submitted.

**Cross References**

This section cited in 25 Pa. Code § 145.10 (relating to authorization and responsibilities of the NO<sub>x</sub> authorized account representative); 25 Pa. Code § 145.11 (relating to alternate NO<sub>x</sub> authorized account representative); 25 Pa. Code § 145.12 (relating to changing the NO<sub>x</sub> authorized account representative and the alternate NO<sub>x</sub> authorized account representative; changes in the owners and operators); 25 Pa. Code § 145.14 (relating to objections concerning the NO<sub>x</sub> authorized account representative); 25 Pa. Code § 145.51 (relating to establishment of accounts); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

**§ 145.14. Objections concerning the NO<sub>x</sub> authorized account representative.**

(a) Once a complete account certificate of representation under § 145.13 (relating to account certificate of representation) has been submitted and received, the Department and the NO<sub>x</sub> Budget Administrator will rely on the account certificate of representation unless a superseding complete account certificate of representation under § 145.13 is received by the Department and the NO<sub>x</sub> Budget Administrator.

(b) Except as provided in § 145.12(a) or (b) (relating to changing the NO<sub>x</sub> authorized account representative and the alternate NO<sub>x</sub> authorized account representative; changes in the owners and operators), an objection or other communication submitted to the Department or Administrator concerning the authorization, or any representation, action, inaction or submission of the NO<sub>x</sub> authorized account representative will not affect any representation, action, inaction or submission of the NO<sub>x</sub> authorized account representative or the finality of a decision or order by the Department or Administrator under the NO<sub>x</sub> Budget Trading Program.

(c) The Department and the Administrator will not adjudicate any private legal dispute concerning the authorization or any representation, action, inaction or submission of a NO<sub>x</sub> authorized account representative, including private legal disputes concerning the proceeds of NO<sub>x</sub> allowance transfers.

**Cross References**

This section cited in 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**COMPLIANCE CERTIFICATION****§ 145.30. Compliance certification report.**

(a) *Applicability and deadline.* For each control period in which one or more NO<sub>x</sub> budget units at a source are subject to the NO<sub>x</sub> budget emissions limitation, the NO<sub>x</sub> authorized account representative of the source shall submit to the Department and the NO<sub>x</sub> Budget Administrator by November 30 of that year, a compliance certification report for the source covering all of the units.

(b) *Contents of report.* The NO<sub>x</sub> authorized account representative shall include in the compliance certification report under subsection (a) the following

elements, in a format prescribed by the Department, concerning each unit at the source and subject to the NO<sub>x</sub> budget emissions limitation for the control period covered by the report:

(1) Identification of each NO<sub>x</sub> budget unit.

(2) At the NO<sub>x</sub> authorized account representative's option, the serial numbers of the NO<sub>x</sub> allowances that are to be deducted from each unit's compliance account under § 145.54 (relating to compliance) for the control period.

(3) At the NO<sub>x</sub> authorized account representative's option, for units sharing a common stack and having NO<sub>x</sub> emissions that are not monitored separately or apportioned in accordance with §§ 145.70—145.76 (relating to recordkeeping and reporting requirements), the percentage of allowances that is to be deducted from each unit's compliance account under § 145.54(e).

(4) The compliance certification under subsection (c).

(c) *Compliance certification.* In the compliance certification report under subsection (a), the NO<sub>x</sub> authorized account representative shall certify, based on reasonable inquiry of those persons with primary responsibility for operating the source and the NO<sub>x</sub> budget units at the source in compliance with the NO<sub>x</sub> Budget Trading Program, whether each NO<sub>x</sub> budget unit for which the compliance certification is submitted was operated during the calendar year covered by the report in compliance with the NO<sub>x</sub> Budget Trading Program applicable to the unit, including the following:

(1) Whether the unit was operated in compliance with the NO<sub>x</sub> budget emissions limitation.

(2) Whether the monitoring plan that governs the unit has been maintained to reflect the actual operation and monitoring of the unit, and contains the information necessary to attribute NO<sub>x</sub> emissions to the unit, in accordance with §§ 145.70—145.76.

(3) Whether all the NO<sub>x</sub> emissions from the unit, or a group of units (including the unit) using a common stack, were monitored or accounted for through the missing data procedures and reported in the quarterly monitoring reports, including whether conditional data were reported in the quarterly reports in accordance with §§ 145.70—145.76. If conditional data were reported, the owner or operator shall indicate whether the status of all conditional data has been resolved and all necessary quarterly report resubmissions has been made.

(4) Whether the facts that form the basis for certification under §§ 145.70—145.76 of each monitor at the unit or a group of units (including the unit) using a common stack, or for using an excepted monitoring method or alternative monitoring method approved under §§ 145.70—145.76, if any, has changed.

(5) If a change is required to be reported under paragraph (4), specify the nature of the change, the reason for the change, when the change occurred and how the unit's compliance status was determined subsequent to the change,

including what method was used to determine emissions when a change mandated the need for monitor recertification.

**Cross References**

This section cited in 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); and 25 Pa. Code § 145.86 (relating to opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program).

**§ 145.31. Department's action on compliance certifications.**

(a) The Department or the Administrator may review and conduct independent audits concerning any compliance certification or any other submission under the NO<sub>x</sub> Budget Trading Program and make appropriate adjustments of the information in the compliance certifications or other submissions.

(b) NO<sub>x</sub> allowances may be deducted from or transferred to a unit's compliance account or a source's overdraft account based on the information in the compliance certifications or other submissions, as adjusted under subsection (a).

**Cross References**

This section cited in 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.55 (relating to banking); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**NO<sub>x</sub> ALLOWANCE ALLOCATIONS**

**§ 145.40. State Trading Program budget.**

(a) In accordance with §§ 145.41 and 145.42 (relating to timing requirements for NO<sub>x</sub> allowance allocations; and NO<sub>x</sub> allowance allocations), the Department will allocate to NO<sub>x</sub> budget units under § 145.4(a) (relating to applicability), for each control period specified in § 145.41, a total number of NO<sub>x</sub> allowances less the sum of the NO<sub>x</sub> emission limitations (in tons) for each unit exempt under § 145.4(b) that is not allocated allowances under § 145.42(b) or (c) for the control period and whose NO<sub>x</sub> emission limitation (in tons of NO<sub>x</sub>) is not included in the amount calculated under § 145.42(d)(5)(ii)(B). The Pennsylvania NO<sub>x</sub> Trading Program Budget is as follows:

(1) The NO<sub>x</sub> budget for electric generating units under this subchapter is 47,224 tons per season.

(2) The NO<sub>x</sub> budget for nonelectric generating units under this subchapter is 3,619 tons per season.

(b) The NO<sub>x</sub> budget may be adjusted as provided in § 145.90 (relating to emission reduction credit provisions).

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.8 (relating to transition to CAIR NO<sub>x</sub> trading programs); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowances allocations); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.41. Timing requirements for NO<sub>x</sub> allowance allocations.**

(a) The Department will submit to the NO<sub>x</sub> Allowance Tracking System the NO<sub>x</sub> allowance allocations, in accordance with § 145.42 (relating to NO<sub>x</sub> allowance allocations), for the control periods in 2003—2007.

(b) By April 1, 2005, the Department will publish the NO<sub>x</sub> allowance allocations in the *Pennsylvania Bulletin*, in accordance with § 145.42(a)—(c), for the control periods 2008—2012.

(c) By April 1, 2010, by April 1 of 2015, and thereafter by April 1 of the year that is 5 years after the last year for which NO<sub>x</sub> allowances allocations are determined, the Department will publish the NO<sub>x</sub> allowance allocations in the *Pennsylvania Bulletin*, in accordance with § 145.42(a)—(c), for the control periods in the years that are 3, 4, 5, 6 and 7 years after the applicable deadline under this subsection.

(d) By April 1, 2003, and April 1 of each year thereafter, the Department will publish the NO<sub>x</sub> allowance allocations in the *Pennsylvania Bulletin*, in accordance with § 145.42(d), for the control period in the year of the applicable deadline under this subsection.

**Cross References**

This section cited in 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.40 (relating to State Trading Program budget); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).



**§ 145.42. NO<sub>x</sub> allowance allocations.**

(a) Unit heat input shall be calculated as follows:

(1) The heat input (in mmBtu) used for calculating NO<sub>x</sub> allowance allocations for each NO<sub>x</sub> budget unit under § 145.4 (relating to applicability) will be as follows:

(i) For a NO<sub>x</sub> allowance allocation under § 145.41(a) (relating to timing requirement for NO<sub>x</sub> allowance allocations).

(A) For a unit under § 145.4(a)(1), the average of the two highest amounts of the unit's heat input for the control periods in 1995—1998.

(B) For a unit under § 145.4(a)(2), the control period in 1995 or, if the Administrator determines that reasonably reliable data are available for control periods in 1996—1998, the average of the two highest amounts of the unit's heat input for the control periods in 1995—1998.

(ii) For a NO<sub>x</sub> allowance allocation under § 145.41(b), the unit's average heat input for the control periods in 2002—2004.

(iii) For a NO<sub>x</sub> allowance allocation under § 145.41(c), the unit's average heat input for the control period in the years that are 4, 5, 6, 7 and 8 years before the first year for which the allocation is being calculated.

(2) The unit's heat input for the control period in each year specified under paragraph (1) will be determined in accordance with 40 CFR Part 75 (relating to continuous emission monitoring). Notwithstanding the first sentence of this paragraph (2), the following apply:

(i) For a NO<sub>x</sub> allowance allocation under § 145.41(a), the heat input will be determined using the best available data reported to the Administrator for the unit if the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the control period.

(ii) For a NO<sub>x</sub> allowance allocation under § 145.41(b) or (c) for a unit exempt under § 145.4(b), the heat input shall be treated as zero if the unit is exempt under § 145.4(b) during the control period.

(b) For each group of five control periods specified in §§ 145.41(a)—(c), the Department will allocate to all NO<sub>x</sub> budget units in a given state under § 145.4(a)(1) that commenced operation before May 1, 1997, for allocations under § 145.41(a), May 1, 2003, for allocations under § 145.41(b), and May 1 of the year 5 years before the first year for which the allocation under § 145.41(c) is being calculated, a total number of NO<sub>x</sub> allowances equal to 95% of the portion of the State's trading program budget under § 145.40 (relating to State Trading Program budget) covering these units. The Department will allocate in accordance with the following procedures:

(1) The Department will allocate NO<sub>x</sub> allowances to each NO<sub>x</sub> budget unit under § 145.4(a)(1) for each control period in an amount equaling 0.15

lb/mmBtu multiplied by the heat input determined under subsection (a), divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(2) If the initial total number of NO<sub>x</sub> allowances allocated to all NO<sub>x</sub> budget units under § 145.4(a)(1) in the state for a control period under subsection (b)(1) does not equal 95% of the portion of the State's trading program budget under § 145.40 covering these units, the Department will adjust the total number of NO<sub>x</sub> allowances allocated to all these NO<sub>x</sub> budget units for the control period under paragraph (1) so that the total number of NO<sub>x</sub> allowances allocated equals 95% of the portion of the State's trading program budget. This adjustment will be made by multiplying each unit's allocation by 95% of the portion of the State's trading program budget; dividing by the total number of NO<sub>x</sub> allowances allocated under paragraph (1) for the control period; and rounding to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(c) For each group of five control periods specified in § 145.41(a)—(c), the Department will allocate to all NO<sub>x</sub> budget units in a given state under § 145.4(a)(2) that commenced operation before May 1, 1997, for allocations under § 145.41(a), May 1, 2003, for allocations under § 145.41(b), and May 1 of the year 5 years before the first year for which the allocation under § 145.41(c) is being calculated, a total number of NO<sub>x</sub> allowances equal to 95% of the portion of the State's trading program budget under § 145.40 covering these units. The Department will allocate in accordance with the following procedures:

(1) The Department will allocate NO<sub>x</sub> allowances to each NO<sub>x</sub> budget unit under § 145.4(a)(2) for each control period in an amount equaling 0.17 lb/mmBtu multiplied by the heat input determined under subsection (a), divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(2) If the initial total number of NO<sub>x</sub> allowances allocated to all NO<sub>x</sub> budget units under § 145.4(a)(2) in the state for a control period under subsection (c)(1) does not equal 95% of the portion of the State's Trading Program Budget under § 145.40 covering these units, the Administrator will adjust the total number of NO<sub>x</sub> allowances allocated to all these NO<sub>x</sub> budget units for the control period under paragraph (1) so that the total number of NO<sub>x</sub> allowances allocated equals 95% of the portion of the State's Trading Program Budget under § 145.40 covering these units. This adjustment will be made by multiplying each unit's allocation by 95% of the portion of the State's Trading Program budget under § 145.40 covering these units; dividing by the total number of NO<sub>x</sub> allowances allocated under paragraph (1) for the control period; and rounding to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(d) For each control period specified in § 145.41(d), the Department will allocate NO<sub>x</sub> allowances to NO<sub>x</sub> budget units in a given State under § 145.4(a) (except for units exempt under § 145.4(b)) that commence operation, or are pro-

jected to commence operation, on or after May 1, 1997 (for control periods under § 145.41(a)); May 1, 2003 (for control periods under § 145.41(b)); and May 1 of the year 5 years before the beginning of the group of 5 years that includes the control period (for control periods under § 145.41(c)). The Department may also use this set-aside to address allocation revisions to units under subsections (a)—(c). For each ton of NO<sub>x</sub> deducted under § 129.205 (relating to zero emission renewable energy production credit), the Department will retire one NO<sub>x</sub> allowance from the allowances in the set-aside for the subsequent control period. The Department will make the allocations under this subsection in accordance with the following procedures:

(1) The Department will establish one allocation set-aside for each control period for each state. Each allocation set-aside will be allocated NO<sub>x</sub> allowances equal to 5% of the tons of NO<sub>x</sub> emission in the state's Trading Program Budget under § 145.40, rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(2) The NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget unit specified in this section may submit to the Department a request, in a format specified by the Department, to be allocated NO<sub>x</sub> allowances for the control period. The NO<sub>x</sub> allowance allocation request must be received by the Department on or after the date on which the State permitting authority issues a permit to construct the unit and by January 1 before the control period for which NO<sub>x</sub> allowances are requested.

(3) In a NO<sub>x</sub> allowance allocation request under paragraph (2), the NO<sub>x</sub> authorized account representative for a NO<sub>x</sub> budget unit under § 145.4(a)(1) may request for the control period NO<sub>x</sub> allowances in an amount that does not exceed the lesser of the following:

(i) 0.15 lb/mmBtu multiplied by the unit's maximum design heat input, multiplied by the lesser of 3,672 hours or the number of hours remaining in the control period starting with the day in the control period on which the unit commences operation or is projected to commence operation, divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(ii) The unit's most stringent State or Federal NO<sub>x</sub> emission limitation multiplied by the unit's maximum design heat input, multiplied by the lesser of 3,672 hours or the number of hours remaining in the control period starting with the day in the control period on which the unit commences operation or is projected to commence operation, divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(4) In a NO<sub>x</sub> allowance allocation request under paragraph (2), the NO<sub>x</sub> authorized account representative for a NO<sub>x</sub> budget unit under § 145.4(a)(2) may request for a control period NO<sub>x</sub> allowances in an amount that does not exceed the lesser of the following:

(i) 0.17 lb/mmBtu multiplied by the unit's maximum design heat input, multiplied by the lesser of 3,672 hours or the number of hours remaining in the control period starting with the day in the control period on which the unit commences operation or is projected to commence operation, divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(ii) The unit's most stringent state or Federal NO<sub>x</sub> emission limitation multiplied by the unit's maximum design heat input, multiplied by the lesser of 3,672 hours or the number of hours remaining in the control period starting with the day in the control period on which the unit commences operation or is projected to commence operation, divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(5) The Department will review each NO<sub>x</sub> allowance allocation request submitted in accordance with paragraph (2) and will allocate NO<sub>x</sub> allowances pursuant to the request as follows:

(i) Upon receipt of the NO<sub>x</sub> allowance allocation request, the Department will make any necessary adjustments to the request to ensure that the requirements of paragraphs (2)—(4) are met.

(ii) The Department will determine the following amounts:

(A) The sum of the NO<sub>x</sub> allowances requested (as adjusted under subparagraph (i)) in all NO<sub>x</sub> allowance allocation requests under paragraph (2) for the control period.

(B) For units exempt under § 145.4(b) in the state that commenced operation, or are projected to commence operation, on or after May 1, 1997 (for control periods under § 145.41(a)); May 1, 2003 (for control periods under § 145.41(b)); and May 1 of the year 5 years before beginning of the group of 5 years that includes the control period (for control periods under § 145.41(c)), the sum of the NO<sub>x</sub> emission limitations (in tons of NO<sub>x</sub>) on which each unit's exemption under § 145.4(b) is based.

(iii) If the number of NO<sub>x</sub> allowances in the allocation set-aside for the control period less the amount under subparagraph (ii)(B) is not less than the amount determined under subparagraph (ii)(A), the Department will allocate the amount of the NO<sub>x</sub> allowances requested (as adjusted under subparagraph (i)) to the NO<sub>x</sub> budget unit for which the allocation request was submitted.

(iv) If the number of NO<sub>x</sub> allowances in the allocation set-aside for the control period less the amount under subparagraph (ii)(B) is less than the amount determined under subparagraph (ii)(A), the Department will allocate, to the NO<sub>x</sub> budget unit for which the allocation request was submitted, the amount of NO<sub>x</sub> allowances requested (as adjusted under subparagraph (i)) multiplied by the number of NO<sub>x</sub> allowances in the allocation set-aside for the control period less the amount determined under subparagraph (ii)(B), divided by the amount determined under subparagraph (ii)(A), and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(e) Beginning in the 2008 control period, a NO<sub>x</sub> budget unit identified in subsection (d) may, upon request to the Department, receive allocations calculated under subsections (b) and (c). For the Department to grant the request, the NO<sub>x</sub> budget unit shall have at least one complete control period of heat input data measured as specified in §§ 145.70—145.75 (relating to recordkeeping and reporting requirements). If heat input data is available from more than one control period but less than the number of control periods specified in subsection (a)(1)(ii) or (iii), the data will be averaged based on the number of available control periods.

(f) The NO<sub>x</sub> Budget Administrator will take the following action for sources that are allocated NO<sub>x</sub> allowances under subsection (d):

(1) The NO<sub>x</sub> Budget Administrator will deduct NO<sub>x</sub> allowances under § 145.54(b), (e) or (f) (relating to compliance) to account for the actual heat input of the unit during the control period. The NO<sub>x</sub> Budget Administrator will calculate the number of NO<sub>x</sub> allowances to be deducted to account for the unit's actual heat input using the following formulas and rounding to the nearest whole number of NO<sub>x</sub> allowance as appropriate, provided that the number of NO<sub>x</sub> allowances to be deducted shall be zero if the number calculated is less than zero:

NO<sub>x</sub> allowances deducted for actual heat input for a unit under § 145.4(a)(1) = unit's NO<sub>x</sub> allowances allocated for control period – (unit's actual control period heat input × unit's emission rate × 2,000 lb/ton).

NO<sub>x</sub> allowances deducted for actual heat input for a unit under § 145.4(a)(2) = unit's NO<sub>x</sub> allowances allocated for control period – (unit's actual control period heat input × unit's emission rate × 2,000 lb/ton)

where:

“unit's NO<sub>x</sub> allowances allocated for control period” is the number of NO<sub>x</sub> allowances allocated to the unit for the control period under subsection (d).

“unit's actual control period heat input” is the heat input (in mmBtu) of the unit during the control period.

“unit's emission rate” is the emission rate in lb/mmBtu for the unit as determined under paragraphs (3) and (4).

(2) The NO<sub>x</sub> Budget Administrator will transfer any NO<sub>x</sub> allowances deducted under subsection (c)(1) to the allocation set-aside for the control period for which they were allocated.

(g) After making the deductions for compliance under § 145.54(b), (e) or (f) for a control period, the NO<sub>x</sub> Budget Administrator will determine whether any NO<sub>x</sub> allowances remain in the allocation set-aside for the control period. The NO<sub>x</sub> Budget Administrator will allocate these NO<sub>x</sub> allowances to the NO<sub>x</sub> budget units in the state using the following formula and rounding to the nearest whole number of NO<sub>x</sub> allowances as appropriate:

unit's share of NO<sub>x</sub> allowances remaining in allocation set-aside =  
total NO<sub>x</sub> allowances remaining in allocation set-aside × (unit's NO<sub>x</sub>  
allowance allocation ÷ State's Trading Program Budget excluding  
allocation set-aside)

where:

“total NO<sub>x</sub> allowances remaining in allocation set-aside” is the total number of NO<sub>x</sub> allowances remaining in the allocation set-aside for the control period.

“unit's NO<sub>x</sub> allowance allocation” is the number of NO<sub>x</sub> allowances allocated under subsection (b) or (c) to the unit for the control period to which the allocation set-aside applies.

“State's Trading Program budget excluding allocation set-aside” is the State's Trading Program budget under § 145.40 for the control period to which the allocation set-aside applies multiplied by 95%, rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(h) If the Department determines that NO<sub>x</sub> allowances were allocated under subsection (b), (c) or (d) for a control period and the recipient of the allocation is not actually a NO<sub>x</sub> budget unit under § 145.4(a), the Department will notify the NO<sub>x</sub> authorized account representative and then will act in accordance with the following procedures:

(1) The NO<sub>x</sub> Budget Administrator will not record these NO<sub>x</sub> allowances for the control period in an account under § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations).

(i) If the NO<sub>x</sub> Budget Administrator already recorded these NO<sub>x</sub> allowances for the control period in an account under § 145.53 and if the NO<sub>x</sub> Budget Administrator makes this determination before making all deductions under § 145.54 (except deductions under § 145.54(d)(2)) for the control period, the NO<sub>x</sub> Budget Administrator will deduct from the account NO<sub>x</sub> allowances equal in number to and allocated for the same or a prior control period as the NO<sub>x</sub> allowances allocated to the recipient for the control period. The NO<sub>x</sub> authorized account representative shall ensure that the account contains the NO<sub>x</sub> allowances necessary for completion of the deduction. If the account does not contain the necessary NO<sub>x</sub> allowances, the NO<sub>x</sub> Budget Administrator will deduct the required number of NO<sub>x</sub> allowances, regardless of the control period for which they were allocated, whenever NO<sub>x</sub> allowances are recorded in the account.

(ii) If the NO<sub>x</sub> Budget Administrator already recorded the NO<sub>x</sub> allowances for the control period in an account under § 145.53 and if the NO<sub>x</sub> Budget Administrator makes this determination after making all deductions under § 145.54 (except deductions under § 145.54(d)(2)) for the control

period, then the NO<sub>x</sub> Budget Administrator will apply subparagraph (i) to any subsequent control period for which NO<sub>x</sub> allowances were allocated to the recipient.

(2) The NO<sub>x</sub> Budget Administrator will transfer the NO<sub>x</sub> allowances that are not recorded, or that are deducted, under paragraph (1) to an allocation set-aside for the state in which the source is located.

(i) The Department will publish for comment a list of the allocations in the *Pennsylvania Bulletin*.

#### Source

The provisions of this § 145.42 amended December 10, 2004, effective December 11, 2004, 34 Pa.B. 6509. Immediately preceding text appears at serial pages (269045) to (269051).

#### Cross References

This section cited in 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.8 (relating to transition to CAIR NO<sub>x</sub> trading programs); 25 Pa. Code § 145.40 (relating to State Trading Program budget); 25 Pa. Code § 145.41 (relating to timing requirements for NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); and 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status).

### § 145.43. Compliance supplement pool.

(a) For any NO<sub>x</sub> budget unit that reduces its NO<sub>x</sub> emission rate in the 2001 or 2002 control period, the owners and operators may request early reduction credits in accordance with the following requirements:

(1) Each NO<sub>x</sub> budget unit for which the owners and operators intend to request, or request, any early reduction credits in accordance with paragraph (4) shall monitor and report NO<sub>x</sub> emissions in accordance with this subchapter starting in the 2000 control period and for each control period for which the early reduction credits are requested. The unit's percent monitor data availability may not be less than 90% during the 2000 control period, and the unit shall be in compliance with applicable state or Federal NO<sub>x</sub> emission control requirements during 2000—2002.

(2) NO<sub>x</sub> emission rate and heat input under paragraphs (3) and (4) shall be determined in accordance with this subchapter.

(3) Each NO<sub>x</sub> budget unit for which the owners and operators intend to request, or request, any early reduction credits under paragraph (4) shall reduce its NO<sub>x</sub> emission rate, for each control period for which early reduction credits are requested, to less than both 0.25 lb/mmBtu and 80% the unit's NO<sub>x</sub> emission rate in the 2000 control period.

(4) The NO<sub>x</sub> authorized account representative of an NO<sub>x</sub> budget unit that meets the requirements of paragraphs (1) and (3) may submit to the Department a request for early reduction credits for the unit based on NO<sub>x</sub> emission rate reductions made by the unit in the control period for 2001 or 2002.

(i) In the early reduction credit request, the NO<sub>x</sub> authorized account representative may request early reduction credits for the control period in an amount equal to the unit's heat input for the control period multiplied by the

difference between 0.25 lb/mmBtu and the unit's NO<sub>x</sub> emission rate for the control period, divided by 2000 lb/ton, and rounded to the nearest whole number of tons.

(ii) The early reduction credit request shall be submitted, in a format specified by the Department, by February 1, 2003. Requests submitted after February 1, 2003, will not be accepted.

(b) For any NO<sub>x</sub> budget unit that is subject to the requirements of §§ 123.101—123.120 (relating to NO<sub>x</sub> allowance requirements), the owners and operators may request early reduction credits in accordance with the following requirements:

(1) The NO<sub>x</sub> authorized account representative of the unit may submit to the Department a request for early reduction credits in an amount equal to the amount of banked allowances under §§ 123.101—123.120 that were allocated for the control period in 2001 or 2002 and are held by the unit, in accordance §§ 123.101—123.120, as of the date of submission of the request. During the entire control period in 2001 or 2002 for which the allowances were allocated, the unit shall have monitored and reported NO<sub>x</sub> emissions in accordance the Guidance for Implementation of Emission Monitoring Requirements for the NO<sub>x</sub> Budget Program (January 28, 1997).

(2) The early reduction credit request under paragraph (1) shall be submitted, in a format specified by the Department, by February 1, 2003. Requests submitted after February 1, 2003, will not be accepted.

(3) The NO<sub>x</sub> authorized account representative of the unit may not submit a request for early reduction credits under paragraph (1) for banked allowances under the Ozone Transport Commission NO<sub>x</sub> Budget Program that were allocated for any control period during which the unit made NO<sub>x</sub> emission reductions for which he submits a request for early reduction credits under subsection (a) for the unit.

(c) For a NO<sub>x</sub> budget unit that is subject to the requirements of §§ 123.101—123.120 that installs selective catalytic reduction or selective noncatalytic reduction to reduce NO<sub>x</sub> emissions after May 1999, the owners and operators may request control equipment early reduction credits in accordance with the following requirements:

(1) Each NO<sub>x</sub> budget unit for which the owners and operators intend to request, or request early reduction credits in accordance with this subsection shall monitor and report NO<sub>x</sub> emissions in accordance with this chapter.

(2) The unit shall be in compliance with applicable State or Federal NO<sub>x</sub> control requirements.

(3) NO<sub>x</sub> emission rate and heat input under this subsection shall be determined in accordance with this subchapter.

(4) Each NO<sub>x</sub> budget unit shall reduce its NO<sub>x</sub> emissions, for each control period for which early reduction credits are requested, to less than the allowances for the unit established in Chapter 123, Appendix E.

- (5) The early reduction credit request shall be submitted, in a format specified by the Department, by February 1, 2003. Requests submitted after February 1, 2003, will not be accepted.
- (d) For a NO<sub>x</sub> budget unit that installs and operates innovative control technology, the owners and operators may request innovative technology early reduction credits in accordance with the following requirements:
- (1) For purposes of this subsection, innovative control technology is any technology that reduces the emissions of multiple air contaminants, including, at a minimum, NO<sub>x</sub>, SO<sub>2</sub> and mercury, through the application of technology or technology improvements not previously applied to NO<sub>x</sub> budget units in an amount greater than any applicable state or Federal requirement.
  - (2) The unit shall be in compliance with any applicable State or Federal NO<sub>x</sub> control requirements.
  - (3) NO<sub>x</sub> emission rate and heat input under this subsection shall be determined in accordance with this subchapter.
  - (4) The owners and operators of each NO<sub>x</sub> budget unit shall submit a proposal for the development, design and testing of innovative control technology including milestones for completing each phase of the proposal along with a proposal and justification for the number of innovative early reduction credits requested based on the overall air quality benefits of the innovative technology.
  - (5) The innovative technology proposal shall be completed by and the early reduction credits used by November 30, 2004.
  - (6) Failure to complete any phase of the proposal by the milestone date established under this section shall result in a loss of allowances in an amount equal to the amount of the innovative early reduction credits granted to the NO<sub>x</sub> budget unit.
  - (7) The early reduction credit request shall be submitted, in a format specified by the Department, by February 1, 2003. Requests submitted after February 1, 2003, will not be accepted.
- (e) The Department will review each early reduction credit request submitted in accordance with subsections (a)—(d) and will allocate NO<sub>x</sub> allowances to NO<sub>x</sub> budget units in a given state and covered by the request as follows:
- (1) Upon receipt of each early reduction credit request, the Department will make any necessary adjustments to the request to ensure that the amount of the early reduction credits requested meets the requirements of subsections (a)—(d).
  - (2) After February 1, 2003, the Department will publish in the *Pennsylvania Bulletin* a statement of the total number of early reduction credits requested by NO<sub>x</sub> budget units in the State.
  - (3) Pennsylvania's compliance supplement pool is 15,763 NO<sub>x</sub> allowances.
    - (i) 1,576 NO<sub>x</sub> allowances are available for the control equipment early reduction credits established under subsection (c).

(ii) 1,576 NO<sub>x</sub> allowances are available for the innovative technology early reduction credits established under subsection (d).

(iii) 12,611 NO<sub>x</sub> allowances are available for the early reduction credits established under subsections (a) and (b).

(iv) Unused early reduction credits established under subparagraphs (i) and (ii) shall be available for the early reduction credits established under subsections (a) and (b).

(v) The compliance supplement pool for upwind states is listed in § 145.100(b) (relating to applicability to upwind states).

(4) If the compliance supplement pool for each of the categories of early reduction credits established in paragraph (3) has a number of NO<sub>x</sub> allowances not less than the amount of early reduction credits in all early reduction credit requests received under subsections (a)—(d) (as adjusted under subsection (e)(1)) submitted by February 1, 2003, the Department will allocate to each NO<sub>x</sub> budget unit covered by the request one allowance for each early reduction credit requested (as adjusted under paragraph (1)).

(5) If the compliance supplement pool has a smaller number of NO<sub>x</sub> allowances for any of the categories of early reduction credits established in paragraph (3) than the amount of early reduction credits in all early reduction requests under subsections (a)—(d) for 2001 and 2002 (as adjusted under paragraph (1)) submitted by February 1, 2003, the Department will allocate NO<sub>x</sub> allowances for each of the categories established in paragraph (3) to each NO<sub>x</sub> budget unit covered by the requests according to the following formula and rounding to the nearest whole number of NO<sub>x</sub> allowances as appropriate. This prorata allocation will be performed for allocations under subsections (c) and (d) and any requests for NO<sub>x</sub> allowances that are not fully allocated shall be available for allocation under subsections (a) and (b) if they otherwise qualify under those subsections:

$$\text{unit's allocation for early reduction credits} = \text{unit's adjusted early reduction credits} \times (\text{State's compliance supplement pool} \div \text{total adjusted early reduction credits for all units})$$

where:

“unit’s allocation for early reduction credits” is the number of NO<sub>x</sub> allowances allocated to the unit for early reduction credits.

“unit’s adjusted early reduction credits” is the amount of early reduction credits requested for the unit for 2001 and 2002 in early reduction credit requests under subsection (a)—(d), as adjusted under paragraph (1).

“States compliance supplement pool” is the number of NO<sub>x</sub> allowances for each category of early reduction credits established in paragraph (3).

“total adjusted early reduction credits for all units” is the amount of early reduction credits requested for all units for 2001 and 2002 in early reduction credit requests under subsections (a)—(d), as adjusted under paragraph (1).

(6) By April 1, 2003, the Department will determine the allocations under paragraph (4) or (5). The Department will make available to the public each determination of NO<sub>x</sub> allowance allocations and will provide an opportunity for comment. Based on these comments, the Department will adjust each determination to the extent necessary to ensure that it is in accordance with paragraph (1), (4) or (5).

(7) By May 1, 2003, the NO<sub>x</sub> Budget Administrator will record the allocations under paragraph (3) or (5).

(8) NO<sub>x</sub> allowances recorded under paragraph (7) may be deducted for compliance under § 145.54 (relating to compliance) for the control period in 2003 or 2004. Notwithstanding § 145.55(a) (relating to banking), the NO<sub>x</sub> Budget Administrator will deduct as retired any NO<sub>x</sub> allowance that is recorded under paragraph (7) and that is not deducted for compliance under § 145.54 for the control period in 2003 or 2004.

(9) NO<sub>x</sub> allowances recorded under paragraph (7) are treated as banked allowances in 2004 for the purposes of §§ 145.54(f) and 145.55(b).

#### Cross References

This section cited in 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.74 (relating to recordkeeping and reporting); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### ACCOUNTING PROCESS FOR DEPOSIT, USE AND TRANSFER OF ALLOWANCES

#### § 145.50. NO<sub>x</sub> Allowance Tracking System accounts.

(a) *Nature and function of compliance accounts and overdraft accounts.* Consistent with § 145.51(a) (relating to establishment of accounts), the NO<sub>x</sub> Budget Administrator will establish one compliance account for each NO<sub>x</sub> budget unit and one overdraft account for each source with two or more NO<sub>x</sub> budget units. Allocations of NO<sub>x</sub> allowances under §§ 145.40—145.42 or § 145.88 (relating to NO<sub>x</sub> allowance allocations; and opt-in source change in regulatory status) and deductions or transfers of NO<sub>x</sub> allowances under § 145.31, § 145.54, § 145.56, §§ 145.60—145.62 or §§ 145.80—145.88 will be recorded in the compliance accounts or overdraft accounts.

(b) *Nature and function of general accounts.* Consistent with § 145.51(b), the NO<sub>x</sub> Budget Administrator will establish, upon request, a general account for any

person. Transfers of allowances under §§ 145.60—145.62 (relating to NO<sub>x</sub> allowance transfers) will be recorded in the general account.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.51. Establishment of accounts.**

(a) *Compliance accounts and overdraft accounts.* Upon receipt of a complete account certificate of representation under § 145.13 (relating to account certificate of representation), the NO<sub>x</sub> Budget Administrator will establish the following:

- (1) A compliance account for each NO<sub>x</sub> budget unit for which the account certificate of representation was submitted.
- (2) An overdraft account for each source for which the account certificate of representation was submitted and that has two or more NO<sub>x</sub> budget units.

(b) *General accounts.*

(1) *Elements for account.*

(i) A person may apply to open a general account for the purpose of holding and transferring allowances. A complete application for a general account shall be submitted to the NO<sub>x</sub> Budget Administrator and shall include the following elements in a format prescribed by the NO<sub>x</sub> Budget Administrator:

(A) The name, mailing address, e-mail address (if any), telephone number and facsimile transmission number (if any) of the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative.

(B) The organization name and type of organization.

(C) A list of all persons subject to a binding agreement for the NO<sub>x</sub> authorized account representative or any alternate NO<sub>x</sub> authorized account representative to represent their ownership interest with respect to the allowances held in the general account.

(D) The following certification statement by the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative:

“I certify that I was selected as the NO<sub>x</sub> authorized account representative or the NO<sub>x</sub> alternate authorized account representative, as applicable, by an agreement that is binding on all persons who have an ownership interest with respect to allowances held in the general account. I certify that I have all the necessary authority to carry out my duties and responsibilities under the NO<sub>x</sub> Budget Trading Program on behalf of such persons and that each such person shall be fully bound by my representations,

actions, inactions, or submissions and by any order or decision issued to me by the Department, Administrator or a court regarding the general account.”

(E) The signature of the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative and the dates signed.

(ii) Unless otherwise required by the NO<sub>x</sub> Budget Administrator, documents of agreement referred to in the account certificate of representation may not be submitted to the NO<sub>x</sub> Budget Administrator. The Department or NO<sub>x</sub> Budget Administrator are not under any obligation to review or evaluate the sufficiency of the documents, if submitted.

(2) *Receipt of complete application.* Upon receipt by the NO<sub>x</sub> Budget Administrator of a complete application for a general account under paragraph (1):

(i) The NO<sub>x</sub> Budget Administrator will establish a general account for the person for whom the application is submitted.

(ii) The NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative for the general account shall represent and, by his representations, actions, inactions or submissions, legally bind each person who has an ownership interest with respect to NO<sub>x</sub> allowances held in the general account in all matters pertaining to the NO<sub>x</sub> Budget Trading Program, notwithstanding an agreement between the NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative and the person. This person shall be bound by any order or decision issued to the NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative by the Department, the Administrator or a court regarding the general account.

(iii) Each submission concerning the general account shall be submitted, signed and certified by the NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative for the persons having an ownership interest with respect to NO<sub>x</sub> allowances held in the general account. Each submission shall include the following certification statement by the NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative:

“I am authorized to make this submission on behalf of the persons having an ownership interest with respect to the NO<sub>x</sub> allowances held in the general account. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties

for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.”

(iv) The NO<sub>x</sub> Budget Administrator will accept or act on a submission concerning the general account only if the submission has been made, signed and certified in accordance with subparagraph (iii).

(3) *Representative designation.*

(i) An application for a general account may designate only one NO<sub>x</sub> authorized account representative and one alternate NO<sub>x</sub> authorized account representative who may act on behalf of the NO<sub>x</sub> authorized account representative. The agreement by which the alternate NO<sub>x</sub> authorized account representative is selected shall include a procedure for authorizing the alternate NO<sub>x</sub> authorized account representative to act in lieu of the NO<sub>x</sub> authorized account representative.

(ii) Upon receipt by the NO<sub>x</sub> Budget Administrator of a complete application for a general account under paragraph (1), any representation, action, inaction or submission by an alternate NO<sub>x</sub> authorized account representative shall be deemed to be a representation, action, inaction or submission by the NO<sub>x</sub> authorized account representative.

(4) *Revising the account representative.*

(i) The NO<sub>x</sub> authorized account representative for a general account may be changed at any time upon receipt by the NO<sub>x</sub> Budget Administrator of a superseding complete application for a general account under paragraph (1). Notwithstanding a change, the representations, actions, inactions and submissions by the previous NO<sub>x</sub> authorized account representative prior to the time and date when the NO<sub>x</sub> Budget Administrator receives the superseding application for a general account shall be binding on the new NO<sub>x</sub> authorized account representative and the persons with an ownership interest with respect to the allowances in the general account.

(ii) The alternate NO<sub>x</sub> authorized account representative for a general account may be changed at any time upon receipt by the NO<sub>x</sub> Budget Administrator of a superseding complete application for a general account under paragraph (1). Notwithstanding a change, the representations, actions, inactions and submissions by the previous alternate NO<sub>x</sub> authorized account representative prior to the time and date when the NO<sub>x</sub> Budget Administrator receives the superseding application for a general account shall be binding on the new alternate NO<sub>x</sub> authorized account representative and the persons with an ownership interest with respect to the allowances in the general account.

(iii) A revision of ownership listing shall include the following:

(A) If a new person having an ownership interest with respect to NO<sub>x</sub> allowances in the general account is not included in the list of persons in the account certificate of representation, the new person shall be subject to

and bound by the account certificate of representation, the representation, actions, inactions and submissions of the NO<sub>x</sub> authorized account representative and any alternate NO<sub>x</sub> authorized account representative of the source or unit, and the decisions, orders, actions and inactions of the NO<sub>x</sub> Budget Administrator, as if the new person were included in the list.

(B) Within 30 days following any change in the persons having an ownership interest with respect to NO<sub>x</sub> allowances in the general account, including the addition of persons, the NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative shall submit a revision to the application for a general account amending the list of persons having an ownership interest with respect to the NO<sub>x</sub> allowances in the general account to include the change.

(5) *Reliance on application.*

(i) Once a complete application for a general account under paragraph (1) has been submitted and received, the NO<sub>x</sub> Budget Administrator will rely on the application until a superseding complete application for a general account under paragraph (1) is received by the NO<sub>x</sub> Budget Administrator.

(ii) Except as provided in paragraph (4), no objection or other communication submitted to the NO<sub>x</sub> Budget Administrator concerning the authorization, or any representation, action, inaction or submission of the NO<sub>x</sub> authorized account representative or any alternate NO<sub>x</sub> authorized account representative for a general account will affect any representation, action, inaction or submission of the NO<sub>x</sub> authorized account representative or an alternate NO<sub>x</sub> authorized account representative or the finality of a decision or order by the Department or NO<sub>x</sub> Budget Administrator under the NO<sub>x</sub> Budget Trading Program.

(iii) The Department or NO<sub>x</sub> Budget Administrator will not adjudicate a private legal dispute concerning the authorization or representation, action, inaction or submission of the NO<sub>x</sub> authorized account representative or any alternate NO<sub>x</sub> authorized account representative for a general account, including private legal disputes concerning the proceeds of NO<sub>x</sub> allowance transfers.

(c) *Account identification.* The NO<sub>x</sub> Budget Administrator will assign a unique identifying number to each account established under subsection (a) or (b).

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.11 (relating to alternate NO<sub>x</sub> authorized account representative); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.52. NO<sub>x</sub> Allowance Tracking System responsibilities of NO<sub>x</sub> authorized account representative.**

(a) *Establishment of account.* Following the establishment of a NO<sub>x</sub> Allowance Tracking System account, the submissions to the Department or the NO<sub>x</sub> Budget Administrator pertaining to the account, including, but not limited to, submissions concerning the deduction or transfer of NO<sub>x</sub> allowances in the account, shall be made only by the NO<sub>x</sub> authorized account representative for the account.

(b) *Authorized account representative identification.* The NO<sub>x</sub> Budget Administrator will assign a unique identifying number to each NO<sub>x</sub> authorized account representative.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.53. Recordation of NO<sub>x</sub> allowance allocations.**

(a) The NO<sub>x</sub> Budget Administrator will record the NO<sub>x</sub> allowances for 2003 in the NO<sub>x</sub> budget units' compliance accounts and the allocation set-asides, as allocated under §§ 145.40—145.43 (relating to NO<sub>x</sub> allowance allocations). The NO<sub>x</sub> Budget Administrator will also record the NO<sub>x</sub> allowances allocated under § 145.88(a)(1) (relating to NO<sub>x</sub> allowance allocations to opt-in units) for each NO<sub>x</sub> budget opt-in source in its compliance account. NO<sub>x</sub> allowances under § 145.4(b)(4)(ii) or § 145.5(c)(2) (relating to applicability; and retired unit exemption) will be recorded in the general account specified by the owners and operators of the unit.

(b) By May 1, 2001, the NO<sub>x</sub> Budget Administrator will record the NO<sub>x</sub> allowances for 2004 for a NO<sub>x</sub> budget unit allocated under §§ 145.40—145.43 in the unit's compliance account, except for NO<sub>x</sub> allowances under § 145.4(b)(4)(ii) or § 145.5(c)(2), which will be recorded in the general account specified by the owners and operators of the unit. The NO<sub>x</sub> Budget Administrator will record NO<sub>x</sub> allowances for 2004 for a NO<sub>x</sub> budget opt-in unit in the unit's compliance account as allocated under § 145.88(a).

(c) By May 1, 2002, the NO<sub>x</sub> Budget Administrator will record the NO<sub>x</sub> allowances for 2005 for a NO<sub>x</sub> budget unit allocated under §§ 145.40—145.43 in the unit's compliance account, except for NO<sub>x</sub> allowances under § 145.4(b)(4)(ii) or § 145.5(c)(2), which will be recorded in the general account specified by the owners and operators of the unit. The NO<sub>x</sub> Budget Administrator will record NO<sub>x</sub> allowances for 2005 for a NO<sub>x</sub> budget opt-in unit in the unit's compliance account as allocated under § 145.88(a).

(d) By May 1, 2003, the NO<sub>x</sub> Budget Administrator will record the NO<sub>x</sub> allowances for 2006 for a NO<sub>x</sub> budget unit allocated under §§ 145.40—145.43 in the unit's compliance account, except for NO<sub>x</sub> allowances under

§ 145.4(b)(4)(ii) or § 145.5(c)(2), which will be recorded in the general account specified by the owners and operators of the unit. The NO<sub>x</sub> Budget Administrator will record NO<sub>x</sub> allowances for 2006 for a NO<sub>x</sub> budget opt-in unit in the unit's compliance account as allocated under § 145.88(a).

(e) Each year starting with 2004, after the NO<sub>x</sub> Budget Administrator has made all deductions from a NO<sub>x</sub> budget unit's compliance account and the overdraft account under § 145.54 (relating to compliance) (except deductions under § 145.54(d)(2)), the NO<sub>x</sub> Budget Administrator will record the following:

(1) NO<sub>x</sub> allowances, in the compliance account, as allocated to the unit under §§ 145.40—145.43 for the third year after the year of the control period for which the deductions were or could have been made.

(2) NO<sub>x</sub> allowances, in the general account specified by the owners and operators of the unit, as allocated under § 145.4(b)(4)(ii) or § 145.5(c)(2) for the third year after the year of the control period for which the deductions are or could have been made.

(3) NO<sub>x</sub> allowances, in the compliance account, as allocated to the unit under § 145.88(a).

(f) Each NO<sub>x</sub> allowance will be assigned a unique identification number that will include digits identifying the year for which the NO<sub>x</sub> allowance is allocated.

#### Cross References

This section cited in 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.61 (relating to NO<sub>x</sub> transfer recordation); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### § 145.54. Compliance.

(a) *NO<sub>x</sub> allowance transfer deadline.* The NO<sub>x</sub> allowances are available to be deducted for compliance with a unit's NO<sub>x</sub> budget emissions limitation for a control period in a given year only if the NO<sub>x</sub> allowances meet the following conditions:

(1) The allowances are allocated for a control period in a prior year or the same year.

(2) The allowances are held in the unit's compliance account, or the overdraft account of the source where the unit is located, as of the NO<sub>x</sub> allowance transfer deadline for that control period or are transferred into the compliance account or overdraft account by a NO<sub>x</sub> allowance transfer correctly submitted for recordation under § 145.60 (relating to submission of NO<sub>x</sub> allowance transfers) by the NO<sub>x</sub> allowance transfer deadline for that control period.

(b) *Deductions for compliance.*

(1) Following the recordation, in accordance with § 145.61 (relating to NO<sub>x</sub> transfer recordation), of NO<sub>x</sub> allowance transfers submitted for recordation in the unit's compliance account or the overdraft account of the source

where the unit is located by the NO<sub>x</sub> allowance transfer deadline for a control period, the NO<sub>x</sub> Budget Administrator will deduct NO<sub>x</sub> allowances available under subsection (a) to cover the unit's NO<sub>x</sub> emissions (as determined in accordance with §§ 145.70—145.76 (relating to recordkeeping and reporting requirements)), or to account for actual heat input under § 145.42(e) (relating to NO<sub>x</sub> allowance allocations), for the control period:

(i) From the compliance account.

(ii) Only if no more NO<sub>x</sub> allowances available under subsection (a) remain in the compliance account, from the overdraft account. In deducting allowances for units at the source from the overdraft account, the NO<sub>x</sub> Budget Administrator will begin with the unit having the compliance account with the lowest NO<sub>x</sub> Allowance Tracking System account number and end with the unit having the compliance account with the highest NO<sub>x</sub> Allowance Tracking System account number (with account numbers sorted beginning with the left-most character and ending with the right-most character and the letter characters assigned values in alphabetical order and less than all numeric characters).

(2) NO<sub>x</sub> allowances will be deducted first under subparagraph (i) and then under subparagraph (ii):

(i) Until the number of NO<sub>x</sub> allowances deducted for the control period equals the number of tons of NO<sub>x</sub> emissions, determined in accordance with §§ 145.70—145.76, from the unit for the control period for which compliance is being determined, plus the number of NO<sub>x</sub> allowances required for deduction to account for actual heat input under § 145.42(e) for the control period.

(ii) Until no more NO<sub>x</sub> allowances available under subsection (a) remain in the respective account.

(c) *Allowance identification.*

(1) *Identification of NO<sub>x</sub> allowances by serial number.* The NO<sub>x</sub> authorized account representative for each compliance account may identify by serial number the NO<sub>x</sub> allowances to be deducted from the unit's compliance account under subsection (b), (d), (e) or (f). The identification shall be made in the compliance certification report submitted in accordance with § 145.30 (relating to compliance certification report).

(2) *First-in, first-out.* NO<sub>x</sub> allowances will be deducted for a control period from the compliance account, in the absence of an identification or in the case of a partial identification of NO<sub>x</sub> allowances by serial number under paragraph (1), or the overdraft account on a first-in, first-out (FIFO) accounting basis in the following order:

(i) Those NO<sub>x</sub> allowances that were allocated for the control period to the unit under §§ 145.40—145.43 or §§ 145.80—145.88 (relating to NO<sub>x</sub> allowance allocations; and opt-in process).

(ii) Those NO<sub>x</sub> allowances that were allocated for the control period to any unit and transferred and recorded in the account under §§ 145.60—145.62 (relating to NO<sub>x</sub> allowance transfers), in order of their date of recordation.

(iii) Those NO<sub>x</sub> allowances that were allocated for a prior control period to the unit under §§ 145.40—145.43 or §§ 145.80—145.88.

(iv) Those NO<sub>x</sub> allowances that were allocated for a prior control period to any unit and transferred and recorded in the account under §§ 145.60—145.62, in order of their date of recordation.

(d) *Deductions for excess emissions.*

(1) After making the deductions for compliance under subsection (b), the NO<sub>x</sub> Budget Administrator will deduct from the unit's compliance account or the overdraft account of the source where the unit is located a number of NO<sub>x</sub> allowances, allocated for a control period after the control period in which the unit has excess emissions, equal to three times the number of the unit's excess emissions.

(2) If the compliance account or overdraft account does not contain sufficient NO<sub>x</sub> allowances, the NO<sub>x</sub> Budget Administrator will deduct the required number of NO<sub>x</sub> allowances, regardless of the control period for which they were allocated, whenever NO<sub>x</sub> allowances are recorded in either account.

(3) An allowance deduction required under subsection (d) does not affect the liability of the owners and operators of the NO<sub>x</sub> budget unit for any fine, penalty or assessment, or their obligation to comply with any other remedy, for the same violation, as ordered under the CAA or the act. The following guidelines will be followed in assessing fines, penalties or other obligations:

(i) For purposes of determining the number of days of violation, if a NO<sub>x</sub> budget unit has excess emissions for a control period, each day in the control period (153 days) constitutes a day in violation unless the owners and operators of the unit demonstrate that a lesser number of days should be considered.

(ii) Each ton of excess emissions is a separate violation.

(e) *Deductions for units sharing a common stack.* In the case of units sharing a common stack and having emissions that are not separately monitored or apportioned in accordance with §§ 145.70—145.76:

(1) The NO<sub>x</sub> authorized account representative of the units may identify the percentage of NO<sub>x</sub> allowances to be deducted from each unit's compliance account to cover the unit's share of NO<sub>x</sub> emissions from the common stack for a control period. The identification shall be made in the compliance certification report submitted in accordance with § 145.30.

(2) Notwithstanding subsection (b)(2)(i), the NO<sub>x</sub> Budget Administrator will deduct NO<sub>x</sub> allowances for each unit until the number of NO<sub>x</sub> allowances deducted equals the unit's identified percentage (under paragraph (1)) of the number of tons of NO<sub>x</sub> emissions, as determined in accordance with

§§ 145.70—145.76, from the common stack for the control period for which compliance is being determined or, if no percentage is identified, an equal percentage for each unit, plus the number of allowances required for deduction to account for actual heat input under § 145.42(e) for the control period.

(f) *Deduction of banked allowances.* Each year starting in 2005, after the NO<sub>x</sub> Budget Administrator has completed the designation of banked allowances under § 145.55(b) (relating to banking) and before May 1 of the year, the NO<sub>x</sub> Budget Administrator will determine the extent to which banked NO<sub>x</sub> allowances otherwise available under subsection (a) are available for compliance in the control period for the current year as follows:

(1) The NO<sub>x</sub> Budget Administrator will determine the total number of banked NO<sub>x</sub> allowances held in compliance accounts, overdraft accounts or general accounts.

(2) If the total number of banked NO<sub>x</sub> allowances determined, under paragraph (1), to be held in compliance accounts, overdraft accounts or general accounts is less than or equal to 10% of the sum of the trading program budgets under § 145.40 (relating to State Trading Program budget) for all states for the control period, any banked NO<sub>x</sub> allowance may be deducted for compliance in accordance with subsections (a)—(e).

(3) If the total number of banked NO<sub>x</sub> allowances determined, under paragraph (1) to be held in compliance accounts, overdraft accounts or general accounts exceeds 10% of the sum of the trading program budgets under § 145.40 for Pennsylvania and the trading program budgets approved by the administrator for other states participating in the NO<sub>x</sub> budget trading program for the control period, any banked allowance may be deducted for compliance in accordance with subsections (a)—(e), except as follows:

(i) The NO<sub>x</sub> Budget Administrator will determine the following ratio: 0.10 multiplied by the sum of the trading program budgets under § 145.40 for all states for the control period and divided by the total number of banked NO<sub>x</sub> allowances determined, under paragraph (1), to be held in compliance accounts, overdraft accounts, or general accounts.

(ii) The NO<sub>x</sub> Budget Administrator will multiply the number of banked NO<sub>x</sub> allowances in each compliance account or overdraft account by the ratio determined under subparagraph (i). The resulting product is the number of banked NO<sub>x</sub> allowances in the account that may be deducted for compliance in accordance with subsections (a)—(e), except that, if the NO<sub>x</sub> allowances are used to make a deduction under subsection (b) or (e), two (rather than one), these NO<sub>x</sub> allowances shall authorize up to 1 ton of NO<sub>x</sub> emissions during the control period and shall be deducted for each deduction of one NO<sub>x</sub> allowance required under subsection (b) or (e).

(g) The NO<sub>x</sub> Budget Administrator will record in the appropriate compliance account or overdraft account all deductions from the account under subsection (b), (d) or (f).

**Cross References**

This section cited in 25 Pa. Code § 123.121 (relating to NO<sub>x</sub> Allowance Program transition); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.43 (relating to compliance supplement budget); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.86 (relating to opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program); and 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status).

**§ 145.55. Banking.**

NO<sub>x</sub> allowances may be banked for future use or transfer in a compliance account, an overdraft account or a general account, as follows:

(1) A NO<sub>x</sub> allowance that is held in a compliance account, an overdraft account or a general account will remain in the account until the NO<sub>x</sub> allowance is deducted or transferred under § 145.31, § 145.54, § 145.56, §§ 145.60—145.62 or §§ 145.80—145.88.

(2) The NO<sub>x</sub> Budget Administrator will designate, as a “banked” NO<sub>x</sub> allowance, a NO<sub>x</sub> allowance that remains in a compliance account, an overdraft account or a general account after deductions have been made for a given control period from the compliance account or overdraft account under § 145.54 (relating to compliance) (except deductions under § 145.54(d)(2)) and that were allocated for that control period or a control period in a prior year).

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.43 (relating to compliance supplement pool); 25 Pa. Code § 145.54 (relating to compliance); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.56. Account error.**

The NO<sub>x</sub> Budget Administrator may correct any error in any NO<sub>x</sub> Allowance Tracking System account. Within 10 business days of making the correction, the NO<sub>x</sub> Budget Administrator will notify the NO<sub>x</sub> authorized account representative for the account.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.55 (relating to banking); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.57. Closing of general accounts.**

(a) The NO<sub>x</sub> authorized account representative of a general account may instruct the NO<sub>x</sub> Budget Administrator to close the account by submitting a statement requesting deletion of the account from the NO<sub>x</sub> Allowance Tracking System and by correctly submitting for recordation under § 145.60 (relating to submission of NO<sub>x</sub> allowance transfers) an allowance transfer of all NO<sub>x</sub> allowances in the account to one or more other NO<sub>x</sub> Allowance Tracking System accounts.

(b) If a general account shows no activity for 1 year or more and does not contain any NO<sub>x</sub> allowances, the NO<sub>x</sub> Budget Administrator may notify the NO<sub>x</sub> authorized account representative for the account that the account will be closed and deleted from the NO<sub>x</sub> Allowance Tracking System following 20 business days after the notice is sent. The account will be closed after the 20-day period unless before the end of the 20-day period the NO<sub>x</sub> Budget Administrator receives a correctly submitted transfer of NO<sub>x</sub> allowances into the account under § 145.60 or a statement submitted by the NO<sub>x</sub> authorized account representative requesting that the account should not be closed.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**NO<sub>x</sub> ALLOWANCE TRANSFERS****§ 145.60. Submission of NO<sub>x</sub> allowance transfers.**

The NO<sub>x</sub> authorized account representatives seeking recordation of a NO<sub>x</sub> allowance transfer shall submit the transfer to the NO<sub>x</sub> Budget Administrator. To be considered correctly submitted, the NO<sub>x</sub> allowance transfer shall include the following elements in a format specified by the NO<sub>x</sub> Budget Administrator:

- (1) The numbers identifying both the transferor and transferee accounts.
- (2) A specification by serial number of each NO<sub>x</sub> allowance to be transferred.
- (3) The printed name and signature of the NO<sub>x</sub> authorized account representative of the transferor account and the date signed.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.57 (relating to closing of general accounts); 25 Pa. Code § 145.61 (relating to NO<sub>x</sub> transfer recordation); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

**§ 145.61. NO<sub>x</sub> transfer recordation.**

(a) Within 5 business days of receiving a NO<sub>x</sub> allowance transfer, except as provided in subsection (b), the NO<sub>x</sub> Budget Administrator will record a NO<sub>x</sub> allowance transfer by moving each NO<sub>x</sub> allowance from the transferor account to

the transferee account as specified by the request, if the following conditions are met (relating to submission of NO<sub>x</sub> allowance transfers):

(1) The transfer is correctly submitted under § 145.60 (relating to submission of NO<sub>x</sub> allowance transfers).

(2) The transferor account includes each NO<sub>x</sub> allowance identified by serial number in the transfer.

(b) A NO<sub>x</sub> allowance transfer that is submitted for recordation following the NO<sub>x</sub> allowance transfer deadline and that includes any NO<sub>x</sub> allowances allocated for a control period prior to or the same as the control period to which the NO<sub>x</sub> allowance transfer deadline applies will not be recorded until after completion of the process of recordation of NO<sub>x</sub> allowance allocations in § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations) in the same year as the NO<sub>x</sub> allowance transfer deadline.

(c) A NO<sub>x</sub> allowance transfer submitted for recordation that fails to meet the requirements of subsection (a) will not be recorded.

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.62 (relating to notification); and 25 Pa. Code § 145.81 (relating to opt-in source general provisions).

### § 145.62. Notification.

(a) *Notification of recordation.* Within 5 business days of recordation of a NO<sub>x</sub> allowance transfer under § 145.61 (relating to NO<sub>x</sub> transfer recordation), the NO<sub>x</sub> Budget Administrator will notify each party to the transfer. Notice will be given to the NO<sub>x</sub> authorized account representatives of both the transferor and transferee accounts.

(b) *Notification of nonrecordation.* Within 10 business days of receipt of a NO<sub>x</sub> allowance transfer that fails to meet the requirements of § 145.61(a), the NO<sub>x</sub> Budget Administrator will notify the NO<sub>x</sub> authorized account representatives of both accounts subject to the transfer of:

(1) A decision not to record the transfer.

(2) The reasons for the nonrecordation.

(c) *Resubmission.* Nothing in this section precludes the submission of a NO<sub>x</sub> allowance transfer for recordation following notification of nonrecordation.

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); and 25 Pa. Code § 145.81 (relating to opt-in service general provisions).

**RECORDKEEPING AND REPORTING REQUIREMENTS****§ 145.70. General monitoring requirements.**

The owners and operators, and to the extent applicable, the NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget unit, shall comply with the monitoring and reporting requirements as provided in this section and §§ 145.71—145.76 (relating to recordkeeping and reporting requirements) and in 40 CFR Part 75, Subpart H (relating to continuous emission monitoring). For purposes of complying with these requirements, the definitions in § 145.2 (relating to definitions) and in 40 CFR 72.2 (relating to definitions) apply, and the terms “affected unit,” “designated representative” and “continuous emission monitoring system” (or “CEMS”) in 40 CFR Part 75 shall be replaced by the terms “NO<sub>x</sub> budget unit,” “NO<sub>x</sub> authorized account representative” and “continuous emission monitoring system” (or “CEMS”), respectively, as defined in § 145.2. The owner and operator of a unit that is not a NO<sub>x</sub> budget unit but that is monitored under 40 CFR 75.72(b)(2)(ii) shall comply with the monitoring, recordkeeping and reporting requirements for a NO<sub>x</sub> budget unit under this subchapter.

(1) *Requirements for installation, certification and data accounting.* The owner or operator of each NO<sub>x</sub> budget unit shall meet the following requirements. These provisions also apply to a unit for which an application for a NO<sub>x</sub> budget opt-in approval is submitted and not denied or withdrawn, as provided in §§ 145.80—145.88 (relating to opt-in process).

(i) Install all monitoring systems required under this subchapter for monitoring NO<sub>x</sub> mass emissions. This includes all systems required to monitor NO<sub>x</sub> emission rate, NO<sub>x</sub> concentration, heat input rate and stack flow rate, in accordance with 40 CFR Part 75, Subpart H.

(ii) Install the monitoring systems for monitoring heat input.

(iii) Successfully complete the certification tests required under § 145.71 (relating to initial certification and recertification procedures) and meet all other provisions of this subchapter and 40 CFR Part 75 applicable to the monitoring systems under subparagraphs (i) and (ii).

(iv) Record, report and quality-assure the data from the monitoring systems under subparagraphs (i) and (ii).

(2) *Compliance dates.* The owner or operator shall meet the requirements of paragraph (1)(i)—(iii) on or before the following dates and shall record and report data on and after the following dates:

(i) NO<sub>x</sub> budget units for which the owner or operator intends to apply for early reduction credits under § 145.43(a) or (c) (relating to compliance supplement pool) shall comply with this section and §§ 145.71—145.76 by May 1, 2000, except that compliance with § 123.108 (relating to source emissions monitoring requirements) may be used as an alternative monitoring method for the 2000 control period. If the owner or operator of a NO<sub>x</sub> budget unit fails to meet this deadline, the owner or operator is not eligible

to apply for early reduction credits under § 145.43(a) or (c) and is subject to the deadline under subparagraph (ii).

(ii) Except for NO<sub>x</sub> budget units under subparagraph (i), NO<sub>x</sub> budget units under § 145.4 (relating to applicability) that commence operation before January 1, 2002, shall comply with this section and §§ 145.71—145.76 by May 1, 2002.

(iii) NO<sub>x</sub> budget units under § 145.4(a)(1) that commence operation on or after January 1, 2002, and that report on an annual basis under § 145.74(d) (relating to recordkeeping and reporting) shall comply with the requirements of this section and §§ 145.71—145.76 by the later of the following dates:

(A) May 1, 2002.

(B) Ninety days after the date on which the unit commences commercial operation.

(iv) NO<sub>x</sub> budget units under § 145.4(a)(1) that commence operation on or after January 1, 2002, and that report on a control season basis under § 145.74(d)(2)(ii) shall comply with this section and §§ 145.71—145.76 within 90 days after the date on which the unit commences commercial operation, provided that this date is during a control period. If this date does not occur during a control period, the applicable deadline is May 1 immediately following this date.

(v) For the owner or operator of a NO<sub>x</sub> budget unit under § 145.4(a)(2) that commences operation on or after January 1, 2002, and that reports on an annual basis under § 145.72(d) (relating to out of control periods), by the later of the following dates:

(A) May 1, 2002.

(B) One hundred-eighty days after the date on which the unit commences operation.

(vi) For the owner or operator of a NO<sub>x</sub> budget unit under § 145.4(a)(2) that commences operation on or after January 1, 2002, and that reports on a control period basis under § 145.72(d)(2)(ii) (relating to out of control periods), by 180 days after the date on which the unit commences operation, provided that this date is during a control period. If this date does not occur during a control period, the applicable deadline is May 1 immediately following this date.

(vii) For a NO<sub>x</sub> budget unit with a new stack or flue for which construction is completed after the applicable deadline under subparagraph (i), (ii), (iii), (iv), (v) or (vi) or §§ 145.80—145.88 and that reports on an annual basis under § 145.72(d), 90 days after the date on which emissions first exit to the atmosphere through the new stack or flue.

(viii) For the owner or operator of a NO<sub>x</sub> budget unit that has a new stack or flue for which construction is completed after the applicable deadline under subparagraph (i), (ii), (iii), (iv), (v) or (vi) or §§ 145.80—145.88 and

that reports on a control period basis under § 145.72(d)(2)(ii), by 90 days after the date on which emissions first exit to the atmosphere through the new stack or flue, provided that this date is during a control period. If this date does not occur during the control period, the applicable deadline is May 1 immediately following this date.

(ix) For a unit for which an application for a NO<sub>x</sub> budget opt-in approval is submitted and not denied or withdrawn, the compliance dates specified under §§ 145.80—145.88.

(3) *Reporting data prior to initial certification.* The owner or operator of a NO<sub>x</sub> budget unit under paragraph (2)(iii), (iv), (v) or (vi) shall determine, record and report NO<sub>x</sub> mass emissions, heat input rate, and any other values required to determine NO<sub>x</sub> mass emissions (for example, NO<sub>x</sub> emission rate and heat input rate, or NO<sub>x</sub> concentration and stack flow rate) in accordance with 40 CFR 75.70(g) (relating to NO<sub>x</sub> mass emissions provisions), from the date and hour that the unit starts operating until the date and hour on which the continuous emission monitoring system, excepted monitoring system under 40 CFR Part 75, Appendix D or E, or excepted monitoring system under 40 CFR 75.19 (relating to optional SO<sub>2</sub>, NO<sub>x</sub>, and CO<sub>2</sub> emissions calculation for low mass emissions units) is provisionally certified.

(4) *Prohibitions.*

(i) An owner or operator of a NO<sub>x</sub> budget unit or a non-NO<sub>x</sub> budget unit may not use an alternative monitoring system, alternative reference method or another alternative for the required continuous emission monitoring system without having obtained prior written approval in accordance with § 145.75 (relating to petitions).

(ii) An owner or operator of a NO<sub>x</sub> budget unit or a non-NO<sub>x</sub> budget unit may not operate the unit so as to discharge, or allow to be discharged, NO<sub>x</sub> emissions to the atmosphere without accounting for these emissions in accordance with the applicable provisions of this subchapter and 40 CFR Part 75 except as provided for in 40 CFR 75.74 (relating to annual and ozone season monitoring and reporting requirements).

(iii) An owner or operator of a NO<sub>x</sub> budget unit or a non-NO<sub>x</sub> budget unit may not disrupt the continuous emission monitoring system, a portion thereof or another approved emission monitoring method, and thereby avoid monitoring and recording NO<sub>x</sub> mass emissions discharged into the atmosphere, except for periods of recertification or periods when calibration, quality assurance testing or maintenance is performed in accordance with the applicable provisions of this subchapter and 40 CFR Part 75 except as provided for in 40 CFR 75.74.

(iv) An owner or operator of a NO<sub>x</sub> budget unit or a non-NO<sub>x</sub> budget unit may not retire or permanently discontinue use of the continuous emis-

sion monitoring system, any component thereof, or any other approved emission monitoring system under this subchapter, except under one of the following circumstances:

(A) During the period that the unit is covered by an exemption under § 145.4(b) or § 145.5 (relating to applicability; and retired unit exemption) that is in effect.

(B) The owner or operator is monitoring emissions from the unit with another certified monitoring system approved, in accordance with the applicable provisions of this subchapter and 40 CFR Part 75, by the Department for use at that unit that provides emission data for the same pollutant or parameter as the retired or discontinued monitoring system.

(C) The NO<sub>x</sub> authorized account representative submits notification of the date of certification testing of a replacement monitoring system in accordance with § 145.71(b)(2) (relating to initial certification and recertification procedures).

(5) Notwithstanding the provisions of this section and §§ 145.71—145.76, sources that are also subject to the monitoring provisions of Chapter 139 (relating to sampling and testing) shall demonstrate compliance with those provisions in addition to the provisions of this section and §§ 145.71—145.76.

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.71 (relating to initial certification and recertification); 25 Pa. Code § 145.75 (relating to petitions); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in unit).

#### § 145.71. Initial certification and recertification procedures.

(a) The owner or operator of a NO<sub>x</sub> budget unit that is subject to an acid rain emissions limitation shall comply with the initial certification and recertification procedures of 40 CFR Part 75 (relating to continuous emission monitoring), except that:

(1) If, prior to January 1, 1998, the Administrator approved a petition under 40 CFR 75.17(a) or (b) (relating to specific provisions for monitoring emissions from common, bypass, and multiple stacks for NO<sub>x</sub> emission rate) for apportioning the NO<sub>x</sub> emission rate measured in a common stack or a petition under 40 CFR 75.66 (relating to petitions to the Administrator) for an alternative to a requirement in 40 CFR 75.17, the NO<sub>x</sub> authorized account representative shall resubmit the petition to the Administrator under § 145.75(a) (relating to petitions) to determine if the approval applies under the NO<sub>x</sub> Budget Trading Program.

(2) For additional CEMS required under the common stack provisions in 40 CFR 75.72 (relating to determination of NO<sub>x</sub> mass emissions), or for NO<sub>x</sub> concentration CEMS used under 40 CFR 75.71(a)(2) (relating to specific provisions for monitoring NO<sub>x</sub> emission rate and heat input for the purpose of calculating NO<sub>x</sub> mass emissions), the owner or operator shall meet the requirements of subsection (b).

(b) The owner or operator of a NO<sub>x</sub> budget unit that is not subject to an acid rain emissions limitation shall comply with the following initial certification and recertification procedures. The owner or operator of a unit that qualifies to use the low mass emissions excepted monitoring methodology under 40 CFR 75.19 (relating to optional SO<sub>2</sub>, NO<sub>x</sub> and CO<sub>2</sub> emissions calculation for low mass emissions unit) or that qualifies to use an alternative monitoring system under 40 CFR Part 75, Subpart E (relating to alternative monitoring systems) shall comply with the following procedures, as modified by subsection (c) or (d). The owner or operator of a NO<sub>x</sub> budget unit that is subject to an acid rain emissions limitation, but requires additional CEMS under the common stack provisions in 40 CFR 75.72, or that uses a NO<sub>x</sub> concentration CEMS under 40 CFR 75.71(a)(2) also shall comply with the following initial certification and recertification procedures:

(1) *Requirements for initial certification.* The owner or operator shall ensure that each monitoring system required by 40 CFR Part 75, Subpart H (relating to NO<sub>x</sub> mass emissions provisions) (which includes the automated data acquisition and handling system) successfully completes all of the initial certification testing required under 40 CFR 75.20 (relating to certification and recertification procedures). The owner or operator shall ensure that the applicable certification tests are successfully completed by the deadlines specified in § 145.70(2) (relating to general monitoring requirements). In addition, whenever the owner or operator installs a monitoring system to meet the requirements of this subchapter in a location where no monitoring system was previously installed, initial certification according to 40 CFR 75.20 is required.

(2) *Requirements for recertification.* Whenever the owner or operator makes a replacement, modification or change in a certified monitoring system that may significantly affect the ability of the system to accurately measure or record NO<sub>x</sub> mass emissions or heat input rate or to meet the requirements of 40 CFR 75.21 (relating to quality assurance and quality control requirements) or 40 CFR Part 75, Appendix B (relating to quality assurance and quality control), the owner or operator shall recertify the monitoring system according to 40 CFR 75.20(b). Whenever the owner or operator makes a replacement, modification or change to the flue gas handling system or the unit's operation that may significantly change the stack flow or concentration profile, the owner or operator shall recertify the continuous emissions monitoring system according to 40 CFR 75.20(b). Examples of changes which require recertification include:

replacement of the analyzer, change in location or orientation of the sampling probe or site or changing of flow rate monitor polynomial coefficients.

(3) *Certification approval process for initial certifications and recertification.*

(i) *Notification of certification.* The NO<sub>x</sub> authorized account representative shall submit to the Department and the appropriate EPA regional office a written notice of the dates of certification in accordance with § 145.73 (relating to notification).

(ii) *Certification application.* The NO<sub>x</sub> authorized account representative shall submit to the Department and the appropriate EPA regional office a certification application for each monitoring system required under 40 CFR Part 75 Subpart H. A complete certification application shall include the information specified in 40 CFR Part 75 Subpart H.

(iii) *Provisional certification.* Except for units using the low mass emission excepted methodology under 40 CFR 75.19, the provisional certification date for a monitor shall be determined using the procedures in 40 CFR 75.20(a)(3). A provisionally certified monitor may be used under the NO<sub>x</sub> Budget Trading Program for a period not to exceed 120 days after receipt by the Department of the complete certification application for the monitoring system or component thereof under subparagraph (ii). Data measured and recorded by the provisionally certified monitoring system or component thereof, in accordance with 40 CFR Part 75, will be considered valid quality-assured data (retroactive to the date and time of provisional certification), if the Department does not invalidate the provisional certification by issuing a notice of disapproval within 120 days of receipt of the complete certification application by the Department.

(iv) *Certification application formal approval process.* The Department will issue a written notice of approval or disapproval of the certification application to the owner or operator within 120 days after receipt of the complete certification application under subparagraph (ii). If the Department does not issue the notice within the 120-day period, each monitoring system which meets the applicable performance requirements of 40 CFR Part 75 and is included in the certification application will be deemed certified for use under the NO<sub>x</sub> Budget Trading Program.

(A) *Approval notice.* If the certification application is complete and shows that each monitoring system meets the applicable performance requirements of 40 CFR Part 75, the Department will issue a written notice of approval of the certification application within 120 days of receipt.

(B) *Incomplete application notice.* A certification application will be considered complete when all of the applicable information required to be submitted under subparagraph (ii) has been received by the Department. If the certification application is not complete, the Department will issue a written notice of incompleteness that sets a date by which the NO<sub>x</sub> autho-

rized account representative must submit the additional information required to complete the certification application. If the NO<sub>x</sub> authorized account representative does not comply with the notice of incompleteness by the specified date, then the Department may issue a notice of disapproval under clause (C). The 120-day review period may not begin prior to receipt of a complete certification application.

(C) *Disapproval notice.* If the certification application shows that any monitoring system or component thereof does not meet the performance requirements of this section and §§ 145.70 and 145.72—145.76, or if the certification application is incomplete and the requirement for disapproval under clause (B) has been met, the Department will issue a written notice of disapproval of the certification application. Upon issuance of the notice of disapproval, the provisional certification is invalidated by the Department and the data measured and recorded by each uncertified monitoring system or component thereof will not be considered valid quality-assured data beginning with the date and hour of provisional certification (as defined under 40 CFR 75.20(a)(3)). the owner or operator shall follow the procedures for loss of certification in subparagraph (v) for each monitoring system or component thereof which is disapproved for initial certification.

(D) *Audit decertification.* The Department may issue a notice of disapproval of the certification status of a monitor in accordance with § 145.72(b).

(v) *Procedures for loss of certification.* If the Department issues a notice of disapproval of a certification application under subparagraph (iv)(C) or a notice of disapproval of certification status under subparagraph (iv)(D), the following apply:

(A) The owner or operator shall substitute the following values, for each hour of unit operation during the period of invalid data specified under 40 CFR 75.20(a)(4)(iii), (b)(5), (h)(4) or 75.21(e) and continuing until the time, date and hour specified under 40 CFR 75.20(a)(5)(i):

(I) For units using or intending to monitor for NO<sub>x</sub> emission rate and heat input rate or for units using the low mass emission excepted methodology under 40 CFR 75.19, the maximum potential NO<sub>x</sub> emission rate and the maximum potential hourly heat input of the unit.

(II) For units intending to monitor for NO<sub>x</sub> mass emissions using a NO<sub>x</sub> pollutant concentration monitor and a flow monitor, the maximum potential concentration of NO<sub>x</sub> and the maximum potential flow rate of the unit under 40 CFR Part 75, Appendix A Section 2 (relating to instrument span).

(B) The NO<sub>x</sub> authorized account representative shall submit a notification of certification retest dates and a new certification application in accordance with subparagraphs (i) and (ii).

(C) The owner or operator shall repeat all certification tests or other requirements that were failed by the monitoring system, as indicated in the Department's notice of disapproval, within 30 unit operating days after the date of issuance of the notice of disapproval.

(c) This subsection applies to initial certification and recertification procedures for low mass emission units using the excepted methodologies under 40 CFR 75.19. The owner or operator of a gas-fired or oil-fired unit using the low mass emissions excepted methodology under 40 CFR 75.19 and not subject to an acid rain emission limitation shall meet the applicable general operating requirements of 40 CFR 75.10 (relating to general operating requirements) and the applicable requirements of 40 CFR 75.19. The owner or operator of such a unit shall also meet the applicable certification and recertification procedures of subsection (b), except that the excepted methodology shall be deemed provisionally certified for use under the NO<sub>x</sub> Budget Trading Program, as of one of the following dates:

(i) For a unit that does not have monitoring equipment initially certified or recertified for the NO<sub>x</sub> budget trading program as of the date on which the NO<sub>x</sub> authorized account representative submits the certification application under 40 CFR 75.19, starting on the date of the submission until the completion of the period for the Department's review.

(ii) For a unit that has monitoring equipment initially certified or recertified for the NO<sub>x</sub> Budget Trading Program as of the date on which the NO<sub>x</sub> authorized account representative submits the certification application under 40 CFR 75.19 for the unit and that reports data on an annual basis under § 145.74(d) (relating to recordkeeping and reporting), starting January 1 of the year after the year of the submission until the completion of the period for the Department's review.

(iii) For a unit that has monitoring equipment initially certified or recertified for the NO<sub>x</sub> budget trading program as of the date on which the NO<sub>x</sub> authorized account representative submits the certification application under 40 CFR 75.19 for the unit and that reports on a control season basis under § 145.74(d), starting May 1 of the control period after the year of the submission until the completion of the period for the Department's review.

(d) This subsection applies to certification/recertification procedures for alternative monitoring systems. The NO<sub>x</sub> authorized account representative representing the owner or operator of each unit not subject to an acid rain emissions limitation applying to monitor using an alternative monitoring system approved by the NO<sub>x</sub> Budget Administrator under 40 CFR Part 75, Subpart E (relating to alternative monitoring systems) shall apply for certification to the Department prior to use of the system under the NO<sub>x</sub> Trading Program. The NO<sub>x</sub> authorized account representative shall apply for recertification following a replacement, modification or change according to the procedures in subsection (b). The owner or operator of an alternative monitoring system shall comply with the notification

and application requirements for certification according to the procedures specified in subsection (b) and 40 CFR 75.20(f).

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.72 (relating to out of control periods); 25 Pa. Code § 145.74 (relating to recordkeeping and reporting); 25 Pa. Code § 145.75 (relating to petitions); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

#### § 145.72. Out of control periods.

(a) *Quality assurance requirements.* Whenever a monitoring system fails to meet the quality assurance or data validation requirements of 40 CFR Part 75 (relating to quality assurance and quality control procedures), data shall be substituted using the applicable procedures in 40 CFR Part 75 Subpart D, Appendix D or Appendix E (relating to missing data substitution procedures; optional SO<sub>2</sub> emissions data protocol for gas-fired and oil-fired units; and optional NO<sub>x</sub> emissions estimation protocol for gas-fired peaking units and oil-fired peaking units).

(b) *Audit decertification.* Whenever both an audit of a monitoring system and a review of the initial certification or recertification application reveal that any system or component should not have been certified or recertified because it did not meet a particular performance specification or other requirement under § 145.71 (relating to initial certification and recertification procedures) or the applicable provisions of 40 CFR Part 75, both at the time of the initial certification or recertification application submission and at the time of the audit, the Department will issue a notice of disapproval of the certification status of the system or component. For the purposes of this subsection, an audit shall be either a field audit or an audit of any information submitted to the Department or the Administrator. By issuing the notice of disapproval, the Department revokes prospectively the certification status of the system or component. The data measured and recorded by the system or component will not be considered valid quality-assured data from the date of issuance of the notification of the revoked certification status until the date and time that the owner or operator completes subsequently approved initial certification or recertification tests. The owner or operator shall follow the initial certification or recertification procedures in § 145.71 for each disapproved system.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures); 25 Pa. Code § 145.75 (relating to petitions); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

**§ 145.73. Notifications.**

The NO<sub>x</sub> authorized account representative for a NO<sub>x</sub> budget unit shall submit written notice to the Department and the Administrator in accordance with 40 CFR 75.61 (relating to notification), except that if the unit is not subject to an acid rain emissions limitation, the notification is only required to be sent to the Department.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures); 25 Pa. Code § 145.75 (relating to petitions); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

**§ 145.74. Recordkeeping and reporting.****(a) General provisions.**

(1) In addition to the requirements of Chapter 127 (relating to construction, modification, reactivation and operation of sources), the NO<sub>x</sub> authorized account representative shall comply with the recordkeeping and reporting requirements in this section and with the requirements of § 145.10(e) (relating to authorization and responsibilities of the NO<sub>x</sub> authorized account representative).

(2) If the NO<sub>x</sub> authorized account representative for a NO<sub>x</sub> budget unit subject to an acid rain emission limitation who signed and certified any submission that is made under 40 CFR Part 75, Subpart F or G (relating to recordkeeping requirements; and reporting requirements) and which includes data and information required under this subchapter or 40 CFR Part 75, Subpart H (relating to NO<sub>x</sub> mass emissions provisions) is not the same person as the designated representative or the alternative designated representative for the unit

under 40 CFR Part 72 (relating to permits regulation), the submission shall also be signed by the designated representative or the alternative designated representative.

(b) *Monitoring plans.*

(1) The owner or operator of a unit subject to an acid rain emissions limitation shall comply with 40 CFR 75.62 (relating to monitoring plan), except that the monitoring plan shall also include all of the information required by 40 CFR Part 75, Subpart H.

(2) The owner or operator of a unit that is not subject to an acid rain emissions limitation shall comply with requirements of 40 CFR 75.62, except that the monitoring plan is only required to include the information required by 40 CFR Part 75, Subpart H.

(c) *Certification applications.* The NO<sub>x</sub> authorized account representative shall submit an application to the Department within 45 days after completing all initial certification or recertification tests required under § 145.71 (relating to initial certification and recertification procedures) including the information required under 40 CFR Part 75, Subpart H.

(d) *Quarterly reports.* The NO<sub>x</sub> authorized account representative shall submit quarterly reports, as follows:

(1) NO<sub>x</sub> budget units subject to an acid rain emission limitation shall meet the annual reporting requirements of this subchapter. The NO<sub>x</sub> authorized account representative shall submit a quarterly report for each calendar quarter beginning with one of the following:

(i) For units that elect to comply with the early reduction credit provisions under § 145.43 (relating to compliance supplement pool), the calendar quarter that includes the date of initial provisional certification under § 145.71(b)(3)(iii) or (c). Data shall be recorded and reported from the date and hour corresponding to the date and hour of provisional certification.

(ii) For units commencing operation on or before May 1, 2002, and that is not subject to subparagraph (i), the earlier of the calendar quarter that includes the date of initial provisional certification under § 145.71(b)(3)(iii) or (c) or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of provisional certification or the first hour on May 1, 2002.

(iii) For a unit that commences operation after May 1, 2002, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(2) If a NO<sub>x</sub> budget unit is not subject to an acid rain emission limitation, the NO<sub>x</sub> authorized account representative shall do either of the following:

(i) Meet all the requirements of 40 CFR Part 75 related to monitoring and reporting NO<sub>x</sub> mass emissions during the entire year and meet the reporting deadlines specified in paragraph (1).

(ii) Submit quarterly reports covering the period May 1—September 30 of each year and including the data described in 40 CFR 75.74(c)(6) (relating to annual and ozone monitoring and reporting requirement). The NO<sub>x</sub> authorized account representative shall submit a quarterly report for each calendar quarter beginning with:

(A) For units that intend to apply or apply for early reduction credits under § 145.43, the calendar quarter that includes the date of initial provisional certification under § 145.71(b)(3)(iii) and (c). Data shall be recorded and reported from the date and hour of provisional certification.

(B) For units commencing operation on or before May 1, 2002, and are not subject to subparagraph (i), the calendar quarter covering May 1 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under § 145.71(b)(3)(iii) or (c) or the first hour of May 1, 2002.

(C) For units that commence operation after May 1, 2002, and during a control period, the calendar quarter in which the unit commences operation. Data shall be reported from the date and hour corresponding to when the unit commenced operation.

(D) For units that commence operation after May 1, 2002, and not during a control period, the calendar quarter covering the first control period after the unit commences operation. Data shall be reported from the earlier of the date and hour corresponding to the date and hour of initial provisional certification under § 145.71(b)(3)(iii) or (c) or the first hour of May 1 of the first control period after the unit commences operation.

(3) The NO<sub>x</sub> authorized account representative shall submit each quarterly report to the Department and NO<sub>x</sub> Budget Administrator within 30 days following the end of the calendar quarter covered by the report. Quarterly reports shall be submitted in the manner specified in 40 CFR Part 75, Subpart H and 40 CFR 75.64 (relating to quarterly reports).

(i) For units subject to an acid rain emissions limitation, quarterly reports shall include all of the data and information required in 40 CFR Part 75, Subpart H for each NO<sub>x</sub> budget unit (or group of units using a common stack) as well as information required in 40 CFR Part 75, Subpart G (relating to reporting requirements).

(ii) For units not subject to an acid rain emissions limitation, quarterly reports are only required to include the data and information required in 40 CFR Part 75, Subpart H for each NO<sub>x</sub> budget unit (or group of units using a common stack).

(4) The NO<sub>x</sub> authorized account representative shall submit to the Department and NO<sub>x</sub> Budget Administrator a compliance certification in support of each quarterly report based on reasonable inquiry of those persons with primary responsibility for ensuring that all of the unit's emissions are correctly and fully monitored. The certification shall state that the following conditions have been met:

(i) The monitoring data submitted were recorded in accordance with the applicable requirements of this subchapter and 40 CFR Part 75, including the quality assurance procedures and specifications.

(ii) For a unit with add-on NO<sub>x</sub> emission controls and for all hours where data are substituted in accordance with 40 CFR 75.34(a)(1) (relating to units with add-on emission controls), the add-on emission controls were operating within the range of parameters listed in the quality assurance/quality control program under 40 CFR Part 75, Appendix B and the substitute values do not systematically underestimate NO<sub>x</sub> emissions.

(iii) For a unit that is reporting on a control period basis under subparagraph (ii), the NO<sub>x</sub> emission rate and NO<sub>x</sub> concentration values substituted for missing data under 40 CFR Part 75, Subpart D (relating to missing data substitution procedures) are calculated using only values from a control period and do not systematically underestimate NO<sub>x</sub> emissions.

#### Cross References

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures); 25 Pa. Code § 145.75 (relating to petitions); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

### § 145.75. Petitions.

(a) The NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget unit may submit a petition under 40 CFR 75.66 (relating to petitions to the Administrator) to the Administrator requesting approval to apply an alternative to any requirement of this section and §§ 145.70—145.74 and 145.76.

(b) Application of an alternative to any requirement of this section and §§ 145.70—145.74 and 145.76 is in accordance with this section and §§ 145.70—145.74 and 145.76 only to the extent that the petition is approved by the Administrator under 40 CFR 75.66.

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

**§ 145.76. Additional requirements to provide heat input data.**

The owner or operator of a unit that monitors and reports NO<sub>x</sub> mass emissions using a NO<sub>x</sub> concentration system and a flow system shall also monitor and report heat input at the unit level using the procedures in 40 CFR Part 75 (relating to continuous emission monitoring).

**Cross References**

This section cited in 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.30 (relating to compliance certification report); 25 Pa. Code § 145.42 (relating to NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.71 (relating to initial certification and recertification procedures); 25 Pa. Code § 145.75 (relating to petitions); 25 Pa. Code § 145.81 (relating to opt-in source general provisions); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

**OPT-IN PROCESS****§ 145.80. Applicability for opt-in sources.**

A unit that is not a NO<sub>x</sub> budget unit under § 145.4(a) (relating to applicability), is not a unit exempt under § 145.4(b), vents all of its emissions to a stack, and is operating, may qualify, under this section and §§ 145.81—145.88 (relating to opt-in process), to become a NO<sub>x</sub> budget opt-in source. A unit that is a NO<sub>x</sub> budget unit under § 145.4(a), is covered by a retired unit exemption under §§ 145.4(b) or 145.5 (relating to retired unit exemption) that is in effect, or is not operating is not eligible to become a NO<sub>x</sub> budget opt-in unit.

**Cross References**

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); and 25 Pa. Code § 145.84 (relating to opt-in process).

**§ 145.81. Opt-in source general provisions.**

Except as otherwise provided, a NO<sub>x</sub> budget opt-in unit shall be treated as a NO<sub>x</sub> budget unit for purposes of applying §§ 145.1—145.7, 145.10—145.14, 145.30, 145.31, 145.40—145.43, 145.50—145.57, 145.60—145.62 and 145.70—145.76.

**Cross References**

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

**§ 145.82. NO<sub>x</sub> authorized account representative for opt-in sources.**

A unit for which an application for a NO<sub>x</sub> budget opt-in approval is submitted, or a NO<sub>x</sub> budget opt-in unit, located at the same source as one or more NO<sub>x</sub> budget units, shall have the same NO<sub>x</sub> authorized account representative as the NO<sub>x</sub> budget units.

**Cross References**

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

**§ 145.83. Applying for a NO<sub>x</sub> budget opt-in approval.**

To apply for a NO<sub>x</sub> budget opt-in approval, the NO<sub>x</sub> authorized account representative of a unit qualified under § 145.80 (relating to applicability for opt-in sources) may submit the following to the Department at any time, except as provided under § 145.86(g) (relating to opt-in source withdrawal from NO<sub>x</sub> budget trading program):

- (1) A complete NO<sub>x</sub> budget opt-in approval application containing the following:
  - (i) Identification of the source, including plant name and the Office of Regulatory Information Systems or facility code assigned to the source by the Energy Information Administration, if applicable.
  - (ii) Identification of each opt-in unit at the source.
  - (iii) The standard requirements under § 145.6 (relating to standard requirements).
  - (iv) The following certification statements by the NO<sub>x</sub> authorized account representative:

(A) “I certify that each unit for which this application is submitted under §§ 145.80—145.88 is not a NO<sub>x</sub> budget unit under § 145.4 and is not covered by a retired unit exemption under § 145.5 that is in effect.”

(B) If the application is for an initial NO<sub>x</sub> budget opt-in approval, “I certify that each unit for which this approval application is submitted under §§ 145.80—145.88 is currently operating, as that term is defined under § 145.2.”

(2) A monitoring plan submitted in accordance with §§ 145.70—145.76 (relating to recordkeeping and reporting requirements).

(3) A complete account certificate of representation under § 145.13 (relating to account certificate of representation), if no NO<sub>x</sub> authorized account representative has been previously designated for the unit.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); 25 Pa. Code § 145.84 (relating to opt-in process); 25 Pa. Code § 145.85 (relating to NO<sub>x</sub> budget opt-in application contents); 25 Pa. Code § 145.86 (relating to opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program); and 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status).

### § 145.84. Opt-in process.

The Department will issue or deny a NO<sub>x</sub> budget opt-in approval for a unit for which an application for a NO<sub>x</sub> budget opt-in approval under § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval) is submitted, in accordance with the following:

(1) *Interim review of monitoring plan.* The Department will determine, on an interim basis, the sufficiency of the monitoring plan accompanying the initial application for a NO<sub>x</sub> budget opt-in approval under § 145.83. A monitoring plan is sufficient, for purposes of interim review, if the plan appears to contain information demonstrating that the NO<sub>x</sub> emissions rate and heat input rate of the unit are monitored and reported in accordance with §§ 145.70—145.76 (relating to recordkeeping and reporting requirements). A determination of sufficiency will not be construed as acceptance or approval of the unit’s monitoring plan.

(2) *Plan sufficiency.* If the Department determines that the unit’s monitoring plan is sufficient under paragraph (1) and after completion of monitoring system certification under §§ 145.70—145.76, the NO<sub>x</sub> emissions rate and the heat input of the unit shall be monitored and reported in accordance with §§ 145.70—145.76 for one full control period during which monitoring system availability is not less than 90% and during which the unit is in compliance

with applicable State or Federal NO<sub>x</sub> emissions or emissions-related requirements. Solely for purposes of applying this requirement, the unit shall be treated as a NO<sub>x</sub> budget unit prior to issuance of a NO<sub>x</sub> budget opt-in approval covering the unit.

(3) *Base line heat rate.* Based on the information monitored and reported under paragraph (2), the unit's baseline heat rate shall be calculated as the unit's total heat input (in mmBtu) for the control period and the unit's baseline NO<sub>x</sub> emissions rate shall be calculated as the unit's total NO<sub>x</sub> mass emissions (in pounds) for the control period divided by the unit's baseline heat input.

(4) *Proposed approval.* After calculating the baseline heat input and the baseline NO<sub>x</sub> emissions rate for the unit under paragraph (3), the Department will propose approval of the application.

(5) *Issuance of NO<sub>x</sub> budget opt-in approval.* The Department will issue the NO<sub>x</sub> budget opt-in approval if the unit meets the requirements of this subchapter.

(6) *Nonqualification of unit.* Notwithstanding paragraphs (1)—(5), if at any time before issuance of a NO<sub>x</sub> budget opt-in approval for the unit, the Department determines that the unit does not qualify as a NO<sub>x</sub> budget opt-in source under § 145.80 (relating to applicability for opt-in sources), the Department will issue a denial of a NO<sub>x</sub> budget opt-in approval for the unit.

(7) *Withdrawal of application for a NO<sub>x</sub> budget opt-in approval.* A NO<sub>x</sub> authorized account representative of a unit may withdraw its application for a NO<sub>x</sub> budget opt-in approval under § 145.83 at any time prior to the issuance of the final NO<sub>x</sub> budget opt-in approval. Once the application for a NO<sub>x</sub> budget opt-in approval is withdrawn, a NO<sub>x</sub> authorized account representative wanting to reapply shall submit a new application for a NO<sub>x</sub> budget opt-in approval under § 145.83.

(8) *Effective date.* The effective date of the initial NO<sub>x</sub> budget opt-in approval is May 1 of the first control period starting after the issuance of the initial NO<sub>x</sub> budget opt-in approval by the Department. The unit shall be a NO<sub>x</sub> budget opt-in source and a NO<sub>x</sub> budget unit as of the effective date of the initial NO<sub>x</sub> budget opt-in approval.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status); and 25 Pa. Code § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units).

**§ 145.85. NO<sub>x</sub> budget opt-in application contents.**

(a) Each NO<sub>x</sub> budget opt-in approval will contain all elements required for a complete NO<sub>x</sub> budget opt-in approval application under § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

(b) Each NO<sub>x</sub> budget opt-in approval shall incorporate the requirements of this subchapter.

**Cross References**

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

**§ 145.86. Opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program.**

(a) *Requesting withdrawal.* To withdraw from the NO<sub>x</sub> Budget Trading Program, the NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget opt-in unit shall submit to the Department a request to withdraw effective as of a specified date prior to May 1 or after September 30. The submission shall be made no later than 90 days prior to the requested effective date of withdrawal.

(b) *Conditions for withdrawal.* Before a NO<sub>x</sub> budget opt-in source covered by a request under subsection (a) may withdraw from the NO<sub>x</sub> Budget Trading Program and the NO<sub>x</sub> budget opt-in approval may be terminated under subsection (e), the following conditions shall be met:

(1) For the control period immediately before the withdrawal is to be effective, the NO<sub>x</sub> authorized account representative shall submit or shall have submitted to the Department an annual compliance certification report in accordance with § 145.30 (relating to compliance certification report).

(2) If the NO<sub>x</sub> budget opt-in unit has excess emissions for the control period immediately before the withdrawal is to be effective, the NO<sub>x</sub> Budget Administrator will deduct or have deducted from the NO<sub>x</sub> budget opt-in unit's compliance account, or the overdraft account of the NO<sub>x</sub> budget source where the NO<sub>x</sub> budget opt-in unit is located, the full amount required under § 145.54(d) (relating to compliance) for the control period.

(3) After the requirements for withdrawal under paragraphs (1) and (2) are met, the NO<sub>x</sub> Budget Administrator will deduct from the NO<sub>x</sub> budget opt-in unit's compliance account, or the overdraft account of the NO<sub>x</sub> budget source where the NO<sub>x</sub> budget opt-in unit is located, NO<sub>x</sub> allowances equal in number to and allocated for the same or a prior control period as any NO<sub>x</sub> allowances allocated to that source under § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units) for any control period for which the withdrawal is to be effective. The NO<sub>x</sub> Budget Administrator will close the NO<sub>x</sub> budget opt-in unit's

compliance account and transfer any remaining allowances to a new general account specified by the owners and operators of the NO<sub>x</sub> budget opt-in unit.

(c) *Withdrawal from program.* A NO<sub>x</sub> budget opt-in unit that withdraws from the NO<sub>x</sub> Budget Trading Program shall comply with the requirements under the NO<sub>x</sub> Budget Trading Program concerning all years for which the NO<sub>x</sub> budget opt-in unit was a NO<sub>x</sub> budget opt-in unit, even if the requirements arise or must be complied with after the withdrawal takes effect.

(d) *Notification.*

(1) After the requirements for withdrawal under subsections (a) and (b) are met (including deduction of the full amount of NO<sub>x</sub> allowances required), the Department will issue a notification to the NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget opt-in unit of the acceptance of the withdrawal of the NO<sub>x</sub> budget opt-in unit as of a specified effective date that is after the requirements have been met and that is prior to May 1 or after September 30.

(2) If the requirements for withdrawal under subsections (a) and (b) are not met, the Department will issue a notification to the NO<sub>x</sub> authorized account representative of the NO<sub>x</sub> budget opt-in unit that the NO<sub>x</sub> budget opt-in unit's request to withdraw is denied. If the NO<sub>x</sub> budget opt-in unit's request to withdraw is denied, the NO<sub>x</sub> budget opt-in unit shall remain subject to the requirements for a NO<sub>x</sub> budget opt-in unit.

(e) *Approval amendment.* After the Department issues a notification under subsection (d)(1) that the requirements for withdrawal have been met, the Department will revise the NO<sub>x</sub> budget opt-in approval covering the NO<sub>x</sub> budget opt-in unit to terminate the NO<sub>x</sub> budget opt-in approval as of the effective date specified under subsection (d)(1). A NO<sub>x</sub> budget opt-in unit shall continue to be a NO<sub>x</sub> budget opt-in unit until the effective date of the termination.

(f) *Reapplication upon failure to meet conditions of withdrawal.* If the Department denies the NO<sub>x</sub> budget opt-in source's request to withdraw, the NO<sub>x</sub> authorized account representative may submit another request to withdraw in accordance with subsections (a) and (b).

(g) *Ability to return to the NO<sub>x</sub> Budget Trading Program.* Once a NO<sub>x</sub> budget opt-in unit withdraws from the NO<sub>x</sub> Budget Trading Program and its NO<sub>x</sub> budget opt-in approval is terminated under this section, the NO<sub>x</sub> authorized account representative may not submit another application for a NO<sub>x</sub> budget opt-in approval under § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval) for the unit prior to the date that is 4 years after the date on which the terminated NO<sub>x</sub> budget opt-in approval became effective.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general

monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

**§ 145.87. Opt-in unit change in regulatory status.**

(a) *Notification.* When a NO<sub>x</sub> budget opt-in unit becomes a NO<sub>x</sub> budget unit under § 145.4(a) (relating to applicability), the NO<sub>x</sub> authorized account representative shall notify in writing the Department and the Administrator of the change in the NO<sub>x</sub> budget opt-in unit's regulatory status, within 30 days of the change.

(b) *Department's and NO<sub>x</sub> Budget Administrator's action.*

(1) *Units with active applications.*

(i) *Revision of approval.* When the NO<sub>x</sub> budget opt-in unit becomes a NO<sub>x</sub> budget unit under § 145.4(a), the Department will revise the NO<sub>x</sub> budget opt-in unit's NO<sub>x</sub> budget opt-in approval to meet the requirements of this subchapter as of an effective date that is the date on which the NO<sub>x</sub> budget opt-in unit becomes a NO<sub>x</sub> budget unit under § 145.4(a).

(ii) *Compliance account.*

(A) The NO<sub>x</sub> Budget Administrator will deduct from the compliance account for the NO<sub>x</sub> budget unit under subparagraph (i), or the overdraft account of the NO<sub>x</sub> budget source where the unit is located, NO<sub>x</sub> allowances equal in number to and allocated for the same or a prior control period as the following:

(I) NO<sub>x</sub> allowances allocated to the NO<sub>x</sub> budget unit (as a NO<sub>x</sub> budget opt-in unit) under § 145.88 (relating to NO<sub>x</sub> allowance allocations to opt-in units) for any control period after the last control period during which the unit's NO<sub>x</sub> budget opt-in approval was effective.

(II) If the effective date of the NO<sub>x</sub> budget approval revision under subparagraph (i) is during a control period, the NO<sub>x</sub> allowances allocated to the NO<sub>x</sub> budget unit (as a NO<sub>x</sub> budget opt-in unit) under § 145.88 for the control period multiplied by the number of days, in the control period, starting with the effective date of the approval revision under subparagraph (i), divided by the total number of days in the control period and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(B) The NO<sub>x</sub> authorized account representative shall ensure that the compliance account of the NO<sub>x</sub> budget unit under subparagraph (i), or the overdraft account of the NO<sub>x</sub> budget source where the unit is located, includes the NO<sub>x</sub> allowances necessary for completion of the deduction under clause (A). If the compliance account or overdraft account does not contain sufficient NO<sub>x</sub> allowances, the NO<sub>x</sub> Budget Administrator will deduct the required number of NO<sub>x</sub> allowances, regardless of the control period for which they were allocated, whenever NO<sub>x</sub> allowances are recorded in either account.

(iii) *Allocations.*

(A) For every control period during which the NO<sub>x</sub> budget approval revised under subparagraph (i) is effective, the NO<sub>x</sub> budget unit under subparagraph (i) will be treated, solely for purposes of NO<sub>x</sub> allowance allocations under § 145.42 (relating to NO<sub>x</sub> allowance allocations), as a unit that commenced operation on the effective date of the NO<sub>x</sub> budget approval revision under subparagraph (i) and will be allocated NO<sub>x</sub> allowances under § 145.42. The unit's deadline under § 145.84(b) (relating to opt-in process) for meeting monitoring requirements in accordance with §§ 145.70—145.76 (relating to recordkeeping and reporting requirements) will not be changed by the change in the unit's regulatory status or by the revision of the NO<sub>x</sub> budget approval under subparagraph (i).

(B) Notwithstanding clause (A), if the effective date of the NO<sub>x</sub> budget approval revision under subparagraph (i) is during a control period, the following number of NO<sub>x</sub> allowances will be allocated to the NO<sub>x</sub> budget unit under subparagraph (i) under § 145.42 for the control period: the number of NO<sub>x</sub> allowances otherwise allocated to the NO<sub>x</sub> budget unit under § 145.42 for the control period multiplied by the ratio of the number of days, in the control period, starting with the effective date of the approval revision under subparagraph (i), divided by the total number of days in the control period, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(2) *Units with expired approvals.*

(i) When the NO<sub>x</sub> authorized account representative of a NO<sub>x</sub> budget opt-in unit does not renew its NO<sub>x</sub> budget opt-in approval under § 145.83 (relating to applying for a NO<sub>x</sub> opt-in approval), the NO<sub>x</sub> Budget Administrator will deduct from the NO<sub>x</sub> budget opt-in unit's compliance account, or the overdraft account of the NO<sub>x</sub> budget source where the NO<sub>x</sub> budget opt-in unit is located, NO<sub>x</sub> allowances equal in number to and allocated for the same or a prior control period as any NO<sub>x</sub> allowances allocated to the NO<sub>x</sub> budget opt-in unit under § 145.88 for any control period after the last control period for which the NO<sub>x</sub> budget opt-in approval is effective. The NO<sub>x</sub> authorized account representative shall ensure that the NO<sub>x</sub> budget opt-in unit's compliance account or the overdraft account of the NO<sub>x</sub> budget source where the NO<sub>x</sub> budget opt-in unit is located includes the NO<sub>x</sub> allowances necessary for completion of the deduction. If the compliance account or overdraft account does not contain sufficient NO<sub>x</sub> allowances, the NO<sub>x</sub> Budget Administrator will deduct the required number of NO<sub>x</sub> allowances, regardless of the control period for which they were allocated, whenever NO<sub>x</sub> allowances are recorded in either account.

(ii) After the deduction under subparagraph (i) is completed, the NO<sub>x</sub> Budget Administrator will close the NO<sub>x</sub> budget opt-in unit's compliance account. If any NO<sub>x</sub> allowances remain in the compliance account after completion of the deduction and any deduction under § 145.54 (relating to

compliance), the NO<sub>x</sub> Budget Administrator will close the NO<sub>x</sub> budget opt-in source's compliance account and will establish, and transfer any remaining allowances to a general account specified by the owners and operators of the NO<sub>x</sub> budget opt-in unit.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); and 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval).

### § 145.88. NO<sub>x</sub> allowance allocations to opt-in units.

(a) *NO<sub>x</sub> allowance allocation.*

(1) By April 1 immediately before the first control period for which the NO<sub>x</sub> budget opt-in approval is effective, the Department will allocate NO<sub>x</sub> allowances to the NO<sub>x</sub> budget opt-in unit and submit to the NO<sub>x</sub> Allowance Tracking System the allocation for the control period in accordance with subsection (b).

(2) By no later than April 1, after the first control period for which the NO<sub>x</sub> budget opt-in approval is in effect, and April 1 of each year thereafter, the Department will allocate NO<sub>x</sub> allowances to the NO<sub>x</sub> budget opt-in unit, and submit to the NO<sub>x</sub> Allowance Tracking System allocations for the next control period, in accordance with subsection (b).

(3) The Department will publish in the *Pennsylvania Bulletin* each determination of NO<sub>x</sub> allowance allocations under paragraphs (1) and (2) and will provide an opportunity for submission of objections to the determination. Objections shall be limited to addressing whether the determination is in accordance with subsection (b). Based on objections, the Department will adjust each determination to the extent necessary to ensure that it is in accordance with subsection (b).

(b) *Allocation procedures.* For each control period for which the NO<sub>x</sub> budget opt-in unit has an approved NO<sub>x</sub> budget opt-in approval, the NO<sub>x</sub> budget opt-in unit will be allocated NO<sub>x</sub> allowances in accordance with the following procedures:

(1) The heat input (in mmBtu) used for calculating NO<sub>x</sub> allowance allocations will be the lesser of one of the following:

(i) The NO<sub>x</sub> budget opt-in unit's baseline heat input determined under § 145.84(c) (relating to opt-in process).

(ii) The NO<sub>x</sub> budget opt-in unit's heat input, as determined in accordance with §§ 145.70—145.76 (relating to recordkeeping and reporting requirements), for the control period in the year prior to the year of the control period for which the NO<sub>x</sub> allocations are being calculated.

(2) The Department will allocate NO<sub>x</sub> allowances to the NO<sub>x</sub> budget opt-in unit in an amount equaling the heat input (in mmBtu) determined under paragraph (1) multiplied by the lesser of one of the following:

(i) The NO<sub>x</sub> budget opt-in unit's baseline NO<sub>x</sub> emissions rate (in lb/mmBtu) determined under § 145.84(c) divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

(ii) The most stringent State or Federal NO<sub>x</sub> emissions limitation applicable to the NO<sub>x</sub> budget opt-in unit during the control period divided by 2,000 lb/ton, and rounded to the nearest whole number of NO<sub>x</sub> allowances as appropriate.

#### Cross References

This section cited in 25 Pa. Code § 129.201 (relating to boilers); 25 Pa. Code § 129.202 (relating to stationary combustion turbines); 25 Pa. Code § 145.2 (relating to definitions); 25 Pa. Code § 145.4 (relating to applicability); 25 Pa. Code § 145.5 (relating to retired unit exemption); 25 Pa. Code § 145.50 (relating to NO<sub>x</sub> Allowance Tracking System accounts); 25 Pa. Code § 145.53 (relating to recordation of NO<sub>x</sub> allowance allocations); 25 Pa. Code § 145.54 (relating to compliance); 25 Pa. Code § 145.55 (relating to banking); 25 Pa. Code § 145.70 (relating to general monitoring requirements); 25 Pa. Code § 145.80 (relating to applicability for opt-in sources); 25 Pa. Code § 145.83 (relating to applying for a NO<sub>x</sub> budget opt-in approval); 25 Pa. Code § 145.86 (relating to opt-in source withdrawal from NO<sub>x</sub> Budget Trading Program); and 25 Pa. Code § 145.87 (relating to opt-in unit change in regulatory status).

### EMISSION REDUCTION CREDIT PROVISIONS

#### § 145.90. Emission reduction credit provisions.

(a) NO<sub>x</sub> budget units may create, transfer and use emission reduction credits (ERCs) in accordance with Chapter 127 (relating to construction, modification, reactivation and operation of sources) and this section. ERCs may not be used to satisfy NO<sub>x</sub> allowance requirements.

(b) A NO<sub>x</sub> budget unit may transfer NO<sub>x</sub> ERCs to a NO<sub>x</sub> budget unit if the new or modified NO<sub>x</sub> budget unit's ozone season (May 1 through September 30) allowable emissions do not exceed the ozone season portion of the baseline emissions which were used to generate the NO<sub>x</sub> ERCs.

(c) A NO<sub>x</sub> budget unit may transfer NO<sub>x</sub> ERCs to a non-NO<sub>x</sub> budget unit under the following conditions:

(1) The non-NO<sub>x</sub> budget unit's ozone season (May 1—September 30) allowable emissions may not exceed the ozone season portion of the baseline emissions which were used to generate the NO<sub>x</sub> ERCs.

(2) The NO<sub>x</sub> allowance tracking system account for NO<sub>x</sub> budget units which generated ERCs transferred to non-NO<sub>x</sub> budget units, including prior to the date of publication in the *Pennsylvania Bulletin*, shall have a corresponding number of NO<sub>x</sub> allowances retired that reflect the transfer of emissions regulated under this subchapter to the non-NO<sub>x</sub> budget units. The amount of annual NO<sub>x</sub> allowances deducted shall be equivalent to that portion of the non-NO<sub>x</sub>

budget unit's NO<sub>x</sub> control period allowable emissions which were provided for by the NO<sub>x</sub> ERCs from the NO<sub>x</sub> budget unit.

(3) Allocations for NO<sub>x</sub> allowance control periods following 2002 to the NO<sub>x</sub> ERC generating source may not include the allowances identified in paragraph (2).

**Cross References**

This section cited in 25 Pa. Code § 145.40 (relating to State Trading Program budget).

**INTERSTATE POLLUTION TRANSPORT REDUCTION REQUIREMENTS**

**§ 145.100. Applicability to upwind states.**

(a) This subchapter applies to NO<sub>x</sub> budget units located in the States of Ohio, West Virginia, Virginia, Maryland, Delaware, New Jersey, New York or North Carolina or located in Washington, D.C.

(b) The NO<sub>x</sub> trading program budget for each state for a control period will equal the total number of tons of NO<sub>x</sub> emissions apportioned to the NO<sub>x</sub> budget units in each state as follows:

<i>State</i>	<i>Electric Generating Units</i>	<i>Nonelectric Generating Units</i>
Ohio	45,432	4,103
West Virginia	26,859	2,184
Virginia	17,091	4,104
Maryland	14,519	1,013
Delaware	4,306	232
Washington, D.C.	207	26
North Carolina	31,212	2,329
New Jersey	9,716	4,838
New York	16,081	156

(c) The compliance supplement pool for each state is:

<i>State</i>	<i>Allowance</i>
Ohio	22,301
West Virginia	16,709
Virginia	5,504

<i>State</i>	<i>Allowance</i>
Maryland	3,882
Delaware	168
New Jersey	1,550
New York	1,379
North Carolina	10,737
Washington, D.C.	0

(d) Any provision to the contrary notwithstanding, this section is not applicable if one of the following applies:

(1) NO<sub>x</sub> budget units in the state or Washington, D.C. are required to comply with an emission limitation established by the EPA under section 126 of the CAA (42 U.S.C.A. § 7416).

(2) The state or Washington, D.C. submits a state implementation plan that the EPA expressly determines meets the requirements of section 110(a)(2)(D)(i)(I) of the CAA (42 U.S.C.A. § 7410(a)(2)(D)(i)(I)).

(3) The EPA promulgates a Federal implementation plan for the state or Washington, D.C. to expressly meet the requirements of section 110(a)(2)(D)(i)(I) of the CAA.

#### **Cross References**

This section cited in 25 Pa. Code § 145.43 (relating to compliance supplement pool).

### **Subchapter B. EMISSIONS OF NO<sub>x</sub> FROM STATIONARY INTERNAL COMBUSTION ENGINES**

- Sec.  
145.111. Applicability.  
145.112. Definitions.  
145.113. Standard requirements.

#### **Authority**

The provisions of this Subchapter B issued under section 5 of the Air Pollution Control Act (35 P. S. § 4005), unless otherwise noted.

#### **Source**

The provisions of this Subchapter B adopted December 10, 2004, effective December 11, 2004, 34 Pa.B. 6509, unless otherwise noted.

**Cross References**

This subchapter cited in 25 Pa. Code § 129.203 (relating to stationary internal combustion engines).

**§ 145.111. Applicability.**

(a) An owner or operator of an engine described in subsection (c) that emitted 153 tons or more of NO<sub>x</sub> from May 1 through September 30 in any year from 1995 through 2004 shall comply with this subchapter by May 1, 2005, and each year thereafter.

(b) An owner or operator of an engine described in subsection (c) that emits 153 tons or more of NO<sub>x</sub> from May 1 through September 30 in any year after 2004 shall comply with this subchapter by May 1 of the following calendar year and each year thereafter.

(c) Subsections (a) and (b) apply to the following engines:

- (1) A rich burn or lean burn stationary internal combustion engine with an engine rating equal to or greater than 2,400 brake horsepower.
- (2) A diesel stationary internal combustion engine with an engine rating equal to or greater than 3,000 brake horsepower.
- (3) A dual-fuel stationary internal combustion engine with an engine rating equal to or greater than 4,400 brake horsepower.

**Cross References**

This section cited in 25 Pa. Code § 145.113 (relating to standard requirements).

**§ 145.112. Definitions.**

The following words and terms, when used in this subchapter, have the following meanings, unless the context clearly indicates otherwise:

*CEMS—Continuous Emission Monitoring System*—The equipment required under this subchapter or Chapter 139 (relating to sampling and testing) to sample, analyze, measure and provide, by readings taken at least every 15 minutes of the measured parameters, a permanent record of NO<sub>x</sub> emissions.

*Diesel stationary internal combustion engine*—A compression-ignited two- or four-stroke engine in which liquid fuel injected into the combustion chamber ignites when the air charge has been compressed to a temperature sufficiently high for auto-ignition.

*Dual-fuel stationary internal combustion engine*—A compression-ignited stationary internal combustion engine that is burning liquid fuel and gaseous fuel simultaneously.

*Engine rating*—The output of an engine as determined by the engine manufacturer and listed on the nameplate of the unit, regardless of any derating.

*Lean-burn stationary internal combustion engine*—Any two- or four-stroke spark-ignited engine that is not a rich-burn stationary internal combustion engine.

*Rich-burn stationary internal combustion engine*—A two- or four-stroke spark-ignited engine where the manufacturer's original recommended operating air/fuel ratio divided by the stoichiometric air/fuel ratio is less than or equal to 1.1.

*Stationary internal combustion engine*—For the purposes of this subchapter, an internal combustion engine of the reciprocating type that is either attached to a foundation at a facility or is designed to be capable of being carried or moved from one location to another and is not a mobile air contamination source.

*Stoichiometric air/fuel ratio*—The air/fuel ratio where all fuel and all oxygen in the air/fuel mixture will be consumed.

*Unit*—An engine subject to this subchapter.

### § 145.113. Standard requirements.

(a) The owner or operator of a unit subject to this subchapter shall calculate the difference between the unit's actual emissions from May 1 through September 30 and the allowable emissions for that period by the following dates:

(1) For a unit described in § 145.111(a) (relating to applicability), by October 31, 2005, and each year thereafter.

(2) For a unit described in § 145.111(b), by October 31 of the calendar year following the year that this subchapter becomes applicable to the unit and each year thereafter.

(b) The owner or operator shall calculate allowable emissions by multiplying the unit's cumulative hours of operation for the period by the unit's horsepower rating and the unit's applicable emission rate set forth in paragraph (1), (2) or (3).

(1) The emission rate for a rich burn stationary internal combustion engine with an engine rating equal to or greater than 2,400 brake horsepower shall be 1.5 grams per brake horsepower-hour.

(2) The emission rate for a lean burn stationary internal combustion engine with an engine rating equal to or greater than 2,400 brake horsepower shall be 3.0 grams per brake horsepower-hour.

(3) The emission rate for a diesel stationary internal combustion engine with an engine rating equal to or greater than 3,000 brake horsepower, or a dual-fuel stationary internal combustion engine with an engine rating equal to or greater than 4,400 brake horsepower shall be 2.3 grams per brake horsepower-hour.

(c) The owner or operator shall determine actual emissions by using one of the following:

(1) If the owner or operator of the unit is required to monitor NO<sub>x</sub> emissions with a CEMS operated and maintained in accordance with a permit or State or Federal regulation, data reported to the Department to comply with the monitoring and reporting requirements of this article. Any data invalidated under Chapter 139 (relating to sampling and testing) shall be substituted with

data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(2) If the owner or operator of the unit is not required to monitor NO<sub>x</sub> emissions with a CEMS, one of the following shall be used to determine actual emissions of NO<sub>x</sub>:

(i) CEMS data, if the owner or operator elects to monitor NO<sub>x</sub> emissions with a CEMS. The owner or operator shall monitor emissions and report the data from the CEMS in accordance with Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(ii) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The operator of the unit shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

(iii) The average emission rate calculated from test data from NO<sub>x</sub> emission tests conducted from May 1 through September 30 of that year. The emissions tests must be conducted in accordance with the permit emission limit compliance monitoring procedures. Tests must be conducted at least once every 735 hours of operation. The Department may reduce the frequency of the emission testing for a unit based on the consistency of the data gathered from the testing. At least one test is required during the period of May 1 through September 30.

(d) The owner or operator of a unit subject to this section shall surrender to the Department one CAIR NO<sub>x</sub> allowance and one CAIR NO<sub>x</sub> Ozone Season allowance, as defined in 40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO<sub>x</sub> by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purposes of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(e) If the combined allowable emissions from units subject to this subchapter at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this subchapter at the facility during the same period, the owner or operator may deduct the difference or any portion of it from the amount of actual emissions from units subject to this subchapter at the owner or operator's other facilities located in this Commonwealth for that same period.

(f) By November 1 of each year, an owner or operator of a unit subject to this subchapter shall surrender the required NO<sub>x</sub> allowances to the Department's designated NO<sub>x</sub> allowance tracking system account, as defined in § 121.1 (relating to definitions), and shall provide in writing to the Department the following:

- (1) The serial number of each NO<sub>x</sub> allowance surrendered.
- (2) The calculations used to determine the quantity of NO<sub>x</sub> allowances required to be surrendered.

(g) If an owner or operator fails to comply with subsection (f), the owner or operator shall by December 31 surrender three NO<sub>x</sub> allowances of the current or later year vintage for each NO<sub>x</sub> allowance that was required to be surrendered by November 1.

(h) The surrender of NO<sub>x</sub> allowances under subsection (g) does not affect the liability of the owner or operator of units for any fine, penalty or assessment, or other obligation to comply with any other remedy for the same violation, under the CAA or the act.

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the unit demonstrates that a lesser number of days should be considered.

(2) Each ton of excess emissions is a separate violation.

#### **Authority**

The provisions of this § 145.113 amended under section 5 of the Air Pollution Control Act (35 P. S. § 4005).

#### **Source**

The provisions of this § 145.113 amended April 11, 2008, effective April 12, 2008, 38 Pa.B. 1705. Immediately preceding text appears at serial pages (308570) to (308572).

### **Subchapter C. EMISSIONS OF NO<sub>x</sub> FROM CEMENT MANUFACTURING**

Sec.

- 145.141. Applicability.
- 145.142. Definitions.
- 145.143. Standard requirements.
- 145.144. Reporting, monitoring and recordkeeping.

#### **Authority**

The provisions of this Subchapter C issued under section 5 of the Air Pollution Control Act (35 P. S. § 4005), unless otherwise noted.

**Source**

The provisions of this Subchapter C adopted December 10, 2004, effective December 11, 2004, 34 Pa.B. 6509, unless otherwise noted.

**§ 145.141. Applicability.**

Beginning May 1, 2005, an owner or operator of a Portland cement kiln shall comply with this subchapter.

**§ 145.142. Definitions.**

The following words and terms, when used in this subchapter, have the following meanings, unless the context clearly indicates otherwise:

*CEMS—Continuous Emission Monitoring System*—The equipment required under this subchapter or Chapter 139 (relating to sampling and testing) to sample, analyze, measure and provide, by readings taken at least every 15 minutes of the measured parameters, a permanent record of NO<sub>x</sub> emissions.

*Clinker*—The product of a Portland cement kiln from which finished cement is manufactured by milling and grinding.

*Portland cement*—A hydraulic cement produced by pulverizing clinker consisting essentially of hydraulic calcium silicates, usually containing one or more of the forms of calcium sulfate as an interground addition.

*Portland cement kiln*—A system, including any solid, gaseous or liquid fuel combustion equipment, used to calcine and fuse raw materials, including limestone and clay, to produce Portland cement clinker.

**§ 145.143. Standard requirements.**

(a) By October 31, 2005, and each year thereafter, the owner or operator of a Portland cement kiln shall calculate the difference between the actual emissions from the unit during the period from May 1 through September 30 and the allowable emissions for that period.

(b) The owner or operator shall determine allowable emissions by multiplying the tons of clinker produced by the Portland cement kiln for the period by 6 pounds per ton of clinker produced.

(c) The owner or operator shall install and operate a CEMS, and shall report CEMS emissions data, in accordance with the CEMS requirements of either Chapter 139 or 145 (relating to sampling and testing; and interstate pollution transport reduction) and calculate actual emissions using the CEMS data reported to the Department. Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by the Department in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(d) The owner or operator of a Portland cement kiln subject to this section shall surrender to the Department one CAIR NO<sub>x</sub> allowance and one CAIR NO<sub>x</sub> Ozone Season allowance, as defined in 40 CFR 96.102 and 96.302 (relating to

definitions), for each ton of NO<sub>x</sub> by which the combined actual emissions exceed the allowable emissions of the Portland cement kilns subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purposes of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(e) If the combined allowable emissions from Portland cement kilns at a facility from May 1 through September 30 exceed the combined actual emissions from Portland cement kilns subject to this section at the facility during the same period, the owner or operator may deduct the difference or any portion of the difference from the amount of actual emissions from Portland cement kilns at the owner or operator's other facilities located in this Commonwealth for that period.

(f) By November 1, 2005, and each year thereafter, an owner or operator subject to this subchapter shall surrender the required NO<sub>x</sub> allowances to the Department's designated NO<sub>x</sub> allowance tracking system account, as defined in § 121.1 (relating to definitions), and shall provide in writing to the Department, the following:

- (1) The serial number of each NO<sub>x</sub> allowance surrendered.
- (2) The calculations used to determine the quantity of NO<sub>x</sub> allowances required to be surrendered.

(g) If an owner or operator fails to comply with subsection (f), the owner or operator shall by December 31 surrender three NO<sub>x</sub> allowances of the current or later year vintage for each NO<sub>x</sub> allowance that was required to be surrendered by November 1.

(h) The surrender of NO<sub>x</sub> allowances under subsection (g) does not affect the liability of the owner or operator of the Portland cement kiln for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

- (1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the Portland cement kiln demonstrates that a lesser number of days should be considered.
- (2) Each ton of excess emissions is a separate violation.

#### Source

The provisions of this § 145.143 amended April 11, 2008, effective April 12, 2008, 38 Pa.B. 1705. Immediately preceding text appears at serial pages (308573) to (308574).

**Subchapter D. CAIR NO<sub>x</sub> AND SO<sub>2</sub> TRADING PROGRAMS**

**GENERAL PROVISIONS**

- 145.201. Purpose.
- 145.202. Definitions.
- 145.203. Applicability.
- 145.204. Incorporation of Federal regulations by reference.

**ADDITIONAL REQUIREMENTS FOR CHAPTER 127  
EMISSION REDUCTION CREDIT PROVISIONS**

- 145.205. Emission reduction credit provisions.

**ADDITIONAL REQUIREMENTS FOR CAIR NO<sub>x</sub>  
ANNUAL TRADING PROGRAM**

- 145.211. Timing requirements for CAIR NO<sub>x</sub> allowance allocations.
- 145.212. CAIR NO<sub>x</sub> allowance allocations.
- 145.213. Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.170—96.175.

**ADDITIONAL REQUIREMENTS FOR CAIR NO<sub>x</sub>  
OZONE SEASON TRADING PROGRAM**

- 145.221. Timing requirements for CAIR NO<sub>x</sub> Ozone Season allowance allocations.
- 145.222. CAIR NO<sub>x</sub> Ozone Season allowance allocations.
- 145.223. Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.370—96.375.

**Authority**

The provisions of this Subchapter D issued under section 5 of the Air Pollution Control Act (35 P. S. § 4005).

**Source**

The provisions of this Subchapter D adopted April 11, 2008, effective April 12, 2008, 38 Pa.B. 1705, unless otherwise noted.

**Cross References**

This Subchapter cited in 25 Pa. Code § 145.8 (relating to transition to CAIR NO<sub>x</sub> trading program).

**GENERAL PROVISIONS**

**§ 145.201. Purpose.**

This subchapter incorporates by reference the CAIR NO<sub>x</sub> Annual Trading Program and CAIR NO<sub>x</sub> Ozone Season Trading Program as a means of mitigating the interstate transport of fine particulates and NO<sub>x</sub>, and the CAIR SO<sub>2</sub> Trading Program as a means of mitigating the interstate transport of fine particulates and

SO<sub>2</sub>. This subchapter also establishes general provisions and the applicability, allowance and supplemental monitoring, recordkeeping and reporting provisions.

**§ 145.202. Definitions.**

The following words and terms, when used in this subchapter, have the following meanings, unless the context clearly indicates otherwise:

*Demand side management*—The management of customer consumption of electricity or the demand for electricity through the implementation of any of the following:

(i) Energy efficiency technologies, management practices or other strategies in residential, commercial, institutional or government customers that reduce electricity consumption by those customers.

(ii) Load management or demand response technologies, management practices or other strategies in residential, commercial, industrial, institutional and government customers that shift electric load from periods of higher demand to periods of lower demand.

(iii) Industrial by-product technologies consisting of the use of a by-product from an industrial process, including the reuse of energy from exhaust gases or other manufacturing by-products that are used in the direct production of electricity at the facility of a customer.

*Demand side management energy efficiency qualifying resource*—A demand side management energy efficiency measure that has no associated NO<sub>x</sub> emissions and that generates certified alternative energy credit.

*EIA*—The Energy Information Administration of the United States Department of Energy or its successor.

*MWh-Megawatt-hour*—One million watt-hours.

*Pennsylvania Alternative Energy Portfolio Standard*—An applicable standard promulgated under the Alternative Energy Portfolio Standards Act (73 P. S. §§ 1648.1—1648.8).

*Renewable energy*—

(i) Renewable energy generated by one or more of the following fuels, energy resources or technologies, and that does not emit NO<sub>x</sub> or SO<sub>2</sub>:

(A) Solar photovoltaic or solar thermal energy.

(B) Wind energy.

(C) Fuel cells that do not employ a fuel processor that emits NO<sub>x</sub>.

(D) Ocean thermal, wave or tidal energy.

(E) Low-impact hydro energy.

(F) Geothermal energy.

(ii) The term does not include energy generated from nuclear fuel, biomass, landfill gas, fuel cells that employ a fuel processor that emits NO<sub>x</sub>, or hydro using pumped storage.

*Renewable energy certificate*—The tradable alternative energy credit instrument generated under, and used to establish, verify and monitor compliance

with, the Pennsylvania Alternative Energy Portfolio Standard. A unit of credit shall equal 1 megawatt-hour of electricity from an alternative energy source.

*Renewable energy qualifying resource*—A renewable energy measure that generates renewable energy certificates.

**§ 145.203. Applicability.**

This subchapter applies to CAIR NO<sub>x</sub> units, CAIR NO<sub>x</sub> Ozone Season units and CAIR SO<sub>2</sub> units.

**§ 145.204. Incorporation of Federal regulations by reference.**

(a) Except as otherwise specified in this subchapter, the provisions of the CAIR NO<sub>x</sub> Annual Trading Program, found in 40 CFR Part 96 (relating to NO<sub>x</sub> budget trading program and CAIR NO<sub>x</sub> and SO<sub>2</sub> trading programs for State implementation plans), including all appendices, future amendments and supplements thereto, are incorporated by reference.

(b) Except as otherwise specified in this subchapter, the provisions of the CAIR SO<sub>2</sub> Trading Program, found in 40 CFR Part 96, including all appendices, future amendments and supplements thereto, are incorporated by reference.

(c) Except as otherwise specified in this subchapter, the provisions of the CAIR NO<sub>x</sub> Ozone Season Trading Program, found in 40 CFR Part 96, including all appendices, future amendments and supplements thereto, are incorporated by reference.

(d) In the event of a conflict between Federal regulatory provisions incorporated by reference in this subchapter and Pennsylvania regulatory provisions, the provision expressly set out in this subchapter shall be followed unless the Federal provision is more stringent. Federal regulations that are cited in this subchapter or that are cross-referenced in the Federal regulations incorporated by reference include any Pennsylvania modifications made to those Federal regulations.

**ADDITIONAL REQUIREMENTS FOR CHAPTER 127 EMISSION REDUCTION CREDIT PROVISIONS**

**§ 145.205. Emission reduction credit provisions.**

The following conditions shall be satisfied in order for the Department to issue a permit or plan approval to the owner or operator of a unit not subject to this subchapter that is relying on emission reduction credits (ERCs) or creditable emission reductions in an applicability determination under Chapter 127, Subchapter E (relating to new source review), or is seeking to enter into an emissions trade authorized under Chapter 127 (relating to construction, modification, reactivation and operation of sources), if the ERCs or creditable emission reductions were, or will be, generated by a unit subject to this subchapter.

(1) Prior to issuing the permit or plan approval, the Department will permanently reduce the Commonwealth's CAIR NO<sub>x</sub> trading budget or CAIR

NOx Ozone Season trading budget, or both, as applicable, beginning with the sixth control period following the date the plan approval or permit to commence operations or increase emissions is issued. The Department will permanently reduce the applicable CAIR NOx budgets by an amount of allowances equal to the ERCs or creditable emission reductions relied upon in the applicability determination for the non-CAIR unit subject to Chapter 127, Subchapter E or in the amount equal to the emissions trade authorized under Chapter 127, as if these emissions had already been emitted.

(2) The permit or plan approval must prohibit the owner or operator from commencing operation or increasing emissions until the owner or operator of the CAIR unit generating the ERC or creditable emission reduction surrenders to the Department an amount of allowances equal to the ERCs or emission reduction credits relied upon in the applicability determination for the non-CAIR unit under Chapter 127, Subchapter E or the amount equal to the ERC trade authorized under Chapter 127, for each of the five consecutive control periods following the date the non-CAIR unit commences operation or increases emissions. The allowances surrendered must be of present or past vintage years.

#### **ADDITIONAL REQUIREMENTS FOR CAIR NOx ANNUAL TRADING PROGRAM**

#### **§ 145.211. Timing requirements for CAIR NOx allowance allocations.**

(a) *Provisions not incorporated by reference.* The requirements of 40 CFR 96.141 (relating to timing requirements for CAIR NOx allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.141, the requirements set forth in this section apply.

(b) *Regular allocations.* The Department will make regular allocations of CAIR NOx allowances as follows:

(1) Except for allocations made under subsection (c), by April 30, 2008, the Department will submit to the Administrator the CAIR NOx allowance allocations made in accordance with § 145.212 (relating to CAIR NOx allowance allocations) for the control periods in 2010-2012 in a format prescribed by the Administrator.

(2) Except for allocations made under subsection (c), by April 30, 2009, the Department will submit to the Administrator the CAIR NOx allowance allocations made in accordance with § 145.212 for the control period in 2013 in a format prescribed by the Administrator. By April 30 every year after 2009, the Department will submit the allocations for the next consecutive control period.

(3) The Department will reserve 1.3% of the CAIR NOx Trading Budget for each annual control period for allocation to units as provided under § 145.212(f)(2).

(c) *New CAIR NO<sub>x</sub> unit allowance allocations.* By April 30, 2011, and by April 30 every year thereafter, the Department will submit to the Administrator the CAIR NO<sub>x</sub> allowance allocations made in accordance with § 145.212(e). The Department will base the allocations on actual emissions in the calendar year preceding the year of the submission.

(d) *Publication.* The Department will publish notice of the proposed CAIR NO<sub>x</sub> allowance allocations in the *Pennsylvania Bulletin* and will publish the final allocations after a 15-day public comment period. The Department will include in the notice the name and telephone number of a person to contact for access to additional information. The Department will publish notice according to the following schedule:

(1) For allocations made under subsection (b)(1), by April 1, 2008.

(2) For allocations made under subsection (b)(2), by April 1, 2009, and by April 1 every year thereafter.

(3) For allocations made under subsection (c), by March 1 each year, beginning in 2011.

(e) *Order of budget allowance withdrawal.* The Department will issue CAIR NO<sub>x</sub> allowances from the CAIR NO<sub>x</sub> Trading Budget established in 40 CFR 96.140 (relating to State trading budgets) in the following order:

(1) To new units under § 145.212(e).

(2) To units under § 145.212(f)(2).

(3) To units under § 145.212(c).

#### Cross References

This section cited in 25 Pa. Code § 145.212 (relating to CAIR NO<sub>x</sub> allowance allocations).

### § 145.212. CAIR NO<sub>x</sub> allowance allocations.

(a) *Provisions not incorporated by reference.* The requirements of 40 CFR 96.142 (relating to CAIR NO<sub>x</sub> allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.142, the requirements set forth in this section apply.

(b) *Baseline heat input.* Baseline heat input for each CAIR NO<sub>x</sub> unit will be converted as follows:

(1) A unit's control period heat input and a unit's status as coal-fired or oil-fired for a calendar year under this paragraph will be determined in one of the following two ways:

(i) In accordance with 40 CFR Part 75 (relating to continuous emission monitoring), to the extent that the unit was otherwise subject to 40 CFR Part 75 for the year.

(ii) Based on the best available data reported to the Department for the unit, to the extent the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the year.

(2) Except as provided in subparagraphs (iv) and (v), a unit's converted control period heat input for a calendar year shall be determined as follows:

(i) The control period gross electrical output of the generators served by the unit multiplied by 7,900 Btu/kWh if the unit is coal-fired for the year, and divided by 1,000,000 Btu/mmBtu.

(ii) The control period gross electrical output of the generators served by the unit multiplied by 6,675 Btu/kWh if the unit is not coal-fired for the year, and divided by 1,000,000 Btu/mmBtu.

(iii) If a generator is served by two or more units, the gross electrical output of the generator will be attributed to each unit in proportion to the share of the total control period heat input from each of the units for the year.

(iv) For a unit that is a boiler and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the total heat energy (in Btus) of the steam produced by the boiler during the annual control period, divided by 0.8 and by 1,000,000 Btu/mmBtu.

(v) For a unit that is a combustion turbine and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the annual control period gross electrical output of the enclosed device comprising the compressor, combustor and turbine multiplied by 3,413 Btu/kWh, plus the total heat energy (in Btu) of the steam produced by any associated heat recovery steam generator during the annual control period divided by 0.8, and with the sum divided by 1,000,000 Btu/mmBtu.

(vi) Calculations will be based on the best output data available on or before January 31 of the year the allocations are published. If unit level electrical or steam output data are not available from EIA, or submitted by this date by the owner or operator of the CAIR NOx unit, then heat input data for the period multiplied by 0.25 and converted to MWh will be used to determine total output.

(c) *Existing unit, new unit and subsection (f)(1) qualifying resource allocation baseline.* For each control period beginning with January 1, 2010, and each year thereafter, the Department will allocate to qualifying resources and CAIR NOx units, including CAIR NOx units issued allowances under subsection (e), a total amount of CAIR NOx allowances equal to the number of CAIR NOx allowances remaining in the Commonwealth's CAIR NOx trading budget under 40 CFR 96.140 (relating to State trading budgets) for those control periods using summed baseline heat input data as determined under subsections (b) and (f)(1) from a baseline year that is 6 calendar years before the control period.

(d) *Proration of allowance allocations.* The Department will allocate CAIR NOx allowances to each existing CAIR NOx unit and qualifying resource in an amount determined by multiplying the amount of CAIR NOx allowances in the Commonwealth's CAIR NOx trading budget available for allocation under subsection (c) by the ratio of the baseline heat input of the existing CAIR NOx unit

or qualifying resource to the sum of the baseline heat input of existing CAIR NOx units and of the qualifying resources, rounding to the nearest whole allowance as appropriate.

(e) *Allocations to new CAIR NOx units.* By March 31, 2011, and March 31 each year thereafter, the Department will allocate CAIR NOx allowances under § 145.211(c) (relating to timing requirements for CAIR NOx allowance allocations) to CAIR NOx units equal to the previous year's emissions at each unit, unless the unit has been issued allowances of the previous year's vintage in a regular allocation under § 145.211(b). The Department will allocate CAIR NOx allowances under this subsection of a vintage year that is 5 years later than the year in which the emissions were generated. The number of CAIR NOx allowances allocated may not exceed the actual emission of the year preceding the year in which the Department makes the allocation. The allocation of these allowances to the new unit will not reduce the number of allowances the unit is entitled to receive under another provision of this subchapter.

(f) *Allocations to qualifying resources and units exempted by section 405(g)(6)(a) of the Clean Air Act.* For each control period beginning with 2010 and thereafter, the Department will allocate CAIR NOx allowances to qualifying resources under paragraph (1) in this Commonwealth that are not also allocated CAIR NOx allowances under another provision of this subchapter and to existing units under paragraph (2) that were exempted at any time under section 405(g)(6)(a) of the Clean Air Act (42 U.S.C.A. § 7651d(g)(6)(A)), regarding phase II SO<sub>2</sub> requirements, and that commenced operation prior to January 1, 2000, but did not receive an allocation of SO<sub>2</sub> allowances under the EPA's Acid Rain Program, as follows:

(1) The Department will allocate CAIR NOx allowances to a renewable energy qualifying resource or demand side management energy efficiency qualifying resource in accordance with subsections (c) and (d) upon receipt by the Department of an application, in writing, on or before June 30 of the year following the control period, except for vintage year 2011 and 2012 NOx allowance allocations whose application deadline will be prescribed by the Department, meeting the requirements of this paragraph. The number of allowances allocated to the qualifying resource will be determined by converting the certified quantity of electric energy production, useful thermal energy, and energy equivalent value of the measures approved under the Pennsylvania Alternative Energy Portfolio Standard to equivalent thermal energy. Equivalent thermal energy is a unit's baseline heat input for allocation purposes. The conversion rate for converting electrical energy to equivalent thermal energy is 3,413 Btu/kWh. To receive allowances under this subsection, the qualifying resource must have commenced operation after January 1, 2005, must be located in this Commonwealth and may not be a CAIR NOx unit. The following procedures apply:

(i) The owner of a qualifying renewable energy resource shall appoint a CAIR-authorized account representative and file a certificate of representation with the EPA and the Department.

(ii) The Department will transfer the allowances into an account designated by the owner's CAIR-authorized account representative of the qualifying resource, or into an account designated by an aggregator approved by the Pennsylvania Public Utility Commission or its designee.

(iii) The applicant shall provide the Department with the corresponding renewable energy certificate serial numbers.

(iv) At least one whole allowance must be generated per owner, operator or aggregator for an allowance to be issued.

(2) The Department will allocate CAIR NO<sub>x</sub> allowances to the owner or operator of a CAIR SO<sub>2</sub> unit that commenced operation prior to January 1, 2000, that has not received an SO<sub>2</sub> allocation for that compliance period, as follows:

(i) By January 31, 2011, and each year thereafter, the owner or operator of a unit may apply, in writing, to the Department under this subsection to receive extra CAIR NO<sub>x</sub> allowances.

(ii) The owner or operator may request under this subparagraph one CAIR NO<sub>x</sub> allowance for every 8 tons of SO<sub>2</sub> emitted from a qualifying unit during the preceding control period. An owner or operator of a unit covered under this subparagraph that has opted into the Acid Rain Program may request one CAIR NO<sub>x</sub> allowance for every 8 tons of SO<sub>2</sub> emissions that have not been covered by the SO<sub>2</sub> allowances received as a result of opting into the Acid Rain Program.

(iii) If the original CAIR NO<sub>x</sub> allowance allocation for the unit for the control period exceeded the unit's actual emissions of NO<sub>x</sub> for the control period, the owner or operator shall also deduct the excess CAIR NO<sub>x</sub> allowances from the unit's request under subparagraph (ii). This amount is the unit's adjusted allocation and will be allocated unless the proration described in subparagraph (iv) applies.

(iv) The Department will make any necessary corrections and then sum the requests. If the total number of NO<sub>x</sub> allowances requested by all qualified units under this paragraph, as adjusted by subparagraph (iii), is less than 1.3% of the Commonwealth's CAIR NO<sub>x</sub> Trading Budget, the Department will allocate the corrected amounts. If the total number of NO<sub>x</sub> allowances requested by all qualified units under this paragraph exceeds 1.3% of the Commonwealth's CAIR NO<sub>x</sub> Trading Budget, the Department will prorate the allocations based upon the following equation:

$$A_A = [E_A \times (0.013 \times B_{NA})] / T_{RA}$$

where,

$A_A$  is the unit's prorated allocation,

$E_A$  is the adjusted allocation the unit may request under subparagraph (iii),

$B_{NA}$  is the total number of CAIR NO<sub>x</sub> allowances in the Commonwealth's CAIR NO<sub>x</sub> trading budget,

$T_{RA}$  is the total number of CAIR NO<sub>x</sub> allowances requested by all units requesting allowances under this paragraph.

(3) The Department will review each CAIR NO<sub>x</sub> allowance allocation request under this subsection and will allocate CAIR NO<sub>x</sub> allowances for each control period under a request as follows:

(i) The Department will accept an allowance allocation request only if the request meets, or is adjusted by the Department as necessary to meet, the requirements of this section.

(ii) On or after January 1 of the year of allocation, the Department will determine the sum of the CAIR NO<sub>x</sub> allowances requested.

(4) Up to 1.3% of the Commonwealth's CAIR NO<sub>x</sub> trading budget is available for allocation in each allocation cycle from 2011-2016 to allocate 2010-2015 allowances for the purpose of offsetting SO<sub>2</sub> emissions from units described in paragraph (2). Beginning January 1, 2017, and for each allocation cycle thereafter, the units will no longer be allocated CAIR NO<sub>x</sub> allowances under paragraph (2). Any allowances remaining after this allocation will be allocated to units under subsection (c) during the next allocation cycle.

(5) Notwithstanding the provisions of paragraphs (2)—(4), the Department may extend, terminate or otherwise modify the allocation of NO<sub>x</sub> allowances made available under this subsection for units exempted under section 405(g)(6)(a) of the Clean Air Act after providing notice in the *Pennsylvania Bulletin* and at least a 30-day public comment period.

(g) The Department will correct any errors in allocations made by the Department and discovered after final allocations are made but before the next allocation cycle, in the subsequent allocation cycle using future allowances that have not yet been allocated.

#### Cross References

This section cited in 25 Pa. Code § 145.211 (relating to timing requirements for CAIR NO<sub>x</sub> allowance allocations).

### § 145.213. Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.170—96.175.

(a) By January 1, 2009, or by the date of commencing commercial operation, whichever is later, the owner or operator of the CAIR NO<sub>x</sub> unit shall install, calibrate, maintain and operate a wattmeter, measure gross electrical output in

megawatt-hours on a continuous basis and record the output of the wattmeter. If a generator is served by two or more units, the information to determine the heat input of each unit for that control period shall also be recorded, so as to allow each unit's share of the gross electrical output to be determined. If heat input data are used, the owner or operator shall comply with the applicable provisions of 40 CFR Part 75 (relating to continuous emission monitoring).

(b) By September 1, 2008, for a CAIR NO<sub>x</sub> unit that is a cogeneration unit, and for a CAIR NO<sub>x</sub> unit with cogeneration capabilities, the owner or operator shall install, calibrate, maintain and operate meters for steam flow in lbs/hr, temperature in degrees Fahrenheit, and pressure in PSI, to measure and record the useful thermal energy that is produced, in mmBtu/hr, on a continuous basis. The owner or operator of a CAIR NO<sub>x</sub> unit that produces useful thermal energy but uses an energy transfer medium other than steam, such as hot water or glycol, shall install, calibrate, maintain and operate the necessary meters to measure and record the data necessary to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis. If the unit ceases to produce useful thermal energy, the owner or operator may cease operation of the meters, but operation of the meters shall be resumed if the unit resumes production of useful thermal energy.

(c) Beginning with 2009, the designated representative of the unit shall submit to the Department an annual report showing monthly gross electrical output and monthly useful thermal energy from the unit. The report is due by January 31 for the preceding calendar year.

(d) The owner or operator of a CAIR NO<sub>x</sub> unit shall maintain onsite the monitoring plan detailing the monitoring system and maintenance of the monitoring system, including quality assurance activities. The owner or operator of a CAIR NO<sub>x</sub> unit shall retain the monitoring plan for at least 5 years from the date that it is replaced by a new or revised monitoring plan. The owner or operator of a CAIR NO<sub>x</sub> unit shall provide the Department with a written copy of the monitoring plan by January 1, 2009, and thereafter within 3 calendar months of making updates to the plan.

(e) The owner or operator of a CAIR NO<sub>x</sub> unit shall retain records for at least 5 years from the date the record is created or the data collected as required by subsections (a) and (b), and the reports submitted to the Department and the EPA in accordance with subsections (c) and (d).

#### **ADDITIONAL REQUIREMENTS FOR CAIR NO<sub>x</sub> OZONE SEASON TRADING PROGRAM**

#### **§ 145.221. Timing requirements for CAIR NO<sub>x</sub> Ozone Season allowance allocations.**

(a) *Provisions not incorporated by reference.* The requirements of 40 CFR 96.341 (relating to timing requirements for CAIR NO<sub>x</sub> Ozone Season allowance

allocations) are not incorporated by reference. Instead of 40 CFR 96.341, the requirements in this section apply.

(b) *Regular allocations.* The Department will make regular allocations of CAIR NO<sub>x</sub> ozone season allowances as follows:

(1) Except for allocations made under subsection (c), by April 30, 2008, the Department will submit to the Administrator the CAIR NO<sub>x</sub> Ozone Season allowance allocations made in accordance with § 145.222 (relating to CAIR NO<sub>x</sub> Ozone Season allowance allocations) for the control periods in 2010-2012 in a format prescribed by the Administrator.

(2) Except for allocations made under subsection (c), by April 30, 2009, the Department will submit to the Administrator the CAIR NO<sub>x</sub> Ozone Season allowance allocations made in accordance with § 145.222 for the control period in 2013 in a format prescribed by the Administrator. By April 30 every year after 2009, the Department will submit the allocations for the next consecutive control period.

(c) *New CAIR NO<sub>x</sub> unit allowance allocations.* By April 30, 2011, and by April 30 every year thereafter, the Department will submit to the Administrator the CAIR NO<sub>x</sub> Ozone Season allowance allocations made in accordance with § 145.222(e). The Department will base the allocations on actual emissions in the ozone season in the calendar year preceding the year of the submission.

(d) *Publication.* The Department will publish notice of the proposed CAIR NO<sub>x</sub> Ozone Season allowance allocations in the *Pennsylvania Bulletin* and will publish the final allocations after a 15-day public comment period. The Department will include in the notice the name and telephone number of a person to contact for access to additional information. The Department will publish notice according to the following schedule:

(1) For allocations made under subsection (b)(1), by April 1, 2008.

(2) For allocations made under subsection (b)(2), by April 1, 2009, and by April 1 every year thereafter.

(3) For allocations made under subsection (c), by March 1 each year, beginning in 2011.

(e) *Order of budget allowance withdrawal.* The Department will issue CAIR NO<sub>x</sub> Ozone Season allowances from the CAIR NO<sub>x</sub> Ozone Season trading budget established in 40 CFR 96.240 (relating to State trading budgets) in the following order:

(1) To new units under § 145.222(e).

(2) To units under § 145.222(c).

#### Cross References

This section cited in 25 Pa. Code § 145.8 (relating to transition to CAIR NO<sub>x</sub> trading programs); and 25 Pa. Code § 145.222 (relating to CAIR NO<sub>x</sub> Ozone Season allowance allocations).

**§ 145.222. CAIR NO<sub>x</sub> Ozone Season allowance allocations.**

(a) *Provisions not incorporated by reference.* The requirements of 40 CFR 96.342 (relating to CAIR NO<sub>x</sub> Ozone Season allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.342, the requirements in this section apply.

(b) *Baseline heat input.* Baseline heat input for each CAIR NO<sub>x</sub> Ozone Season unit will be converted as follows:

(1) A unit's control period heat input and a unit's status as coal-fired or oil-fired for the ozone season portion of a calendar year under this paragraph will be determined in one of the following two ways:

(i) In accordance with 40 CFR Part 75 (relating to continuous emission monitoring), to the extent that the unit was otherwise subject to the requirements of 40 CFR Part 75 for the control period.

(ii) Based on the best available data reported to the Department for the unit, to the extent the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the year.

(2) Except as provided in subparagraphs (iv) and (v), a unit's converted control period heat input for the ozone season portion of a calendar year shall be determined as follows:

(i) The control period gross electrical output of the generators served by the unit multiplied by 7,900 Btu/kWh if the unit is coal-fired for the ozone season control period, and divided by 1,000,000 Btu/mmBtu.

(ii) The control period gross electrical output of the generators served by the unit multiplied by 6,675 Btu/kWh if the unit is not coal-fired for the ozone season control period, and divided by 1,000,000 Btu/mmBtu.

(iii) If a generator is served by 2 or more units, the gross electrical output of the generator will be attributed to each unit in proportion to the share of the total control period heat input from each of the units for the ozone season control period.

(iv) For a unit that is a boiler and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the total heat energy (in Btus) of the steam produced by the boiler during the ozone season control period, divided by 0.8 and by 1,000,000 Btu/mmBtu.

(v) For a unit that is a combustion turbine and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the control period gross electrical output of the enclosed device comprising the compressor, combustor and turbine multiplied by 3,413 Btu/kWh, plus the total heat energy (in Btu) of the steam produced by any associated heat recovery steam generator during the ozone season control period divided by 0.8, and with the sum divided by 1,000,000 Btu/mmBtu.

(vi) Calculations will be based on the best output data available on or before January 31 of the year the allocations are published. If unit level electrical or steam output data are not available from EIA, or submitted by this date by the owner or operator of the CAIR NO<sub>x</sub> Ozone Season unit, then heat input data for the period multiplied by 0.25 and converted to MWh will be used to determine total output.

(c) *Existing unit, new unit and subsection (f)(1) qualifying resource allocation baseline.* For each control period beginning with the 2010 control period and thereafter, the Department will allocate to qualifying resources and CAIR NO<sub>x</sub> Ozone Season units, including CAIR NO<sub>x</sub> Ozone Season units issued allowances under subsection (e), a total amount of CAIR NO<sub>x</sub> Ozone Season allowances equal to the number of CAIR NO<sub>x</sub> Ozone Season allowances remaining in the Commonwealth's CAIR NO<sub>x</sub> Ozone Season trading budget under 40 CFR 96.140 (relating to State trading budgets) for those control periods using summed baseline heat input data as determined under subsections (b) and (f)(1) from an ozone season control period in a baseline year that is 6 calendar years before the control period.

(d) *Proration of allowance allocations.* The Department will allocate CAIR NO<sub>x</sub> Ozone Season allowances to each existing CAIR NO<sub>x</sub> Ozone Season unit and qualifying resource in an amount determined by multiplying the amount of CAIR NO<sub>x</sub> Ozone Season allowances in the Commonwealth's CAIR NO<sub>x</sub> Ozone Season trading budget available for allocation under subsection (c) by the ratio of the baseline heat input of the existing CAIR NO<sub>x</sub> Ozone Season unit or qualifying resource to the sums of the baseline heat input of existing CAIR NO<sub>x</sub> Ozone Season units and of the qualifying resources, rounding to the nearest whole allowance as appropriate.

(e) *Allocations to new CAIR NO<sub>x</sub> Ozone Season units.* By March 31, 2011, and March 31 each year thereafter, the Department will allocate CAIR NO<sub>x</sub> Ozone Season allowances under § 145.221(c) (relating to timing requirements for CAIR NO<sub>x</sub> Ozone Season allowance allocations) to CAIR NO<sub>x</sub> Ozone Season units equal to the previous year's emissions at each unit, unless the unit has been issued allowances of the previous year's vintage in a regular allocation under § 145.221(b). The Department will allocate CAIR NO<sub>x</sub> allowances under this subsection of a vintage year that is 5 years later than the year in which the emissions were generated. The number of CAIR NO<sub>x</sub> Ozone Season allowances allocated shall not exceed the actual emission of the year preceding the year in which the Department makes the allocation. The allocation of these allowances to the new unit will not reduce the number of allowances the unit is entitled to receive under another provision of this subchapter.

(f) *Allocations to qualifying resources.* For each control period beginning with the 2010 control period, and thereafter, the Department will allocate CAIR NO<sub>x</sub> Ozone Season allowances to qualifying resources in this Commonwealth

that are not also allocated CAIR NO<sub>x</sub> Ozone Season allowances under another provision of this subchapter, as follows:

(1) The Department will allocate CAIR NO<sub>x</sub> Ozone Season allowances to a renewable energy qualifying resource or demand side management energy efficiency qualifying resource in accordance with subsections (c) and (d) upon receipt by the Department of an application, in writing, on or before June 30 of the year following the control period, except for vintage year 2011 and 2012 NO<sub>x</sub> Ozone Season allowance allocations whose application deadline will be prescribed by the Department, meeting the requirements of this paragraph. The number of allowances allocated to the qualifying resource will be determined by converting the certified quantity of electric energy production, useful thermal energy, and energy equivalent value of the measures approved under the Pennsylvania Alternative Energy Portfolio Standard to equivalent thermal energy. Equivalent thermal energy is a unit's baseline heat input for allocation purposes. The conversion rate for converting electrical energy to equivalent thermal energy is 3,413 Btu/kWh. To receive allowances under this subsection, the qualifying resource must have commenced operation after January 1, 2005, must be located in this Commonwealth and may not be a CAIR NO<sub>x</sub> Ozone Season unit. The following procedures apply:

(i) The owner of a qualifying renewable energy resource shall appoint a CAIR-authorized account representative and file a certificate of representation with the EPA and the Department.

(ii) The Department will transfer the allowances into an account designated by the owner's CAIR-authorized account representative of the qualifying resource, or into an account designated by an aggregator approved by the Pennsylvania Public Utility Commission or its designee.

(iii) The applicant shall provide the Department with the corresponding renewable energy certificate serial numbers.

(iv) At least one whole allowance must be generated per owner, operator or aggregator for an allowance to be issued.

(g) The Department will correct any errors in allocations made by the Department and discovered after final allocations are made but before the next allocation cycle, in the subsequent allocation cycle using future allowances that have not yet been allocated.

#### Cross References

This section cited in 25 Pa. Code § 145.221 (relating to timing requirements for CAIR NO<sub>x</sub> Ozone Season allowance allocations).

**§ 145.223. Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.370—96.375.**

(a) By January 1, 2009, or by the date of commencing commercial operation, whichever is later, the owner or operator of the CAIR NO<sub>x</sub> Ozone Season unit shall install, calibrate, maintain and operate a wattmeter, measure gross electrical output in megawatt-hours on a continuous basis and record the output of the wattmeter. If a generator is served by two or more units, the information to determine the heat input of each unit for that control period shall also be recorded, so as to allow each unit's share of the gross electrical output to be determined. If heat input data are used, the owner or operator shall comply with the applicable provisions of 40 CFR Part 75 (relating to continuous emission monitoring).

(b) By September 1, 2008, for a CAIR NO<sub>x</sub> Ozone Season unit that is a cogeneration unit, and for a CAIR NO<sub>x</sub> Ozone Season unit with cogeneration capabilities, the owner or operator shall install, calibrate, maintain and operate meters for steam flow in lbs/hr, temperature in degrees Fahrenheit and pressure in PSI, to measure and record the useful thermal energy that is produced, in mmBtu/hr, on a continuous basis. The owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit that produces useful thermal energy but uses an energy transfer medium other than steam, such as hot water or glycol, shall install, calibrate, maintain and operate the necessary meters to measure and record the data necessary to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis. If the unit ceases to produce useful thermal energy, the owner or operator may cease operation of the meters, but operation of the meters shall be resumed if the unit resumes production of useful thermal energy.

(c) Beginning with 2009, the designated representative of the unit shall submit to the Department an annual report showing monthly gross electrical output and monthly useful thermal energy from the unit. The report is due by January 31 for the preceding calendar year.

(d) The owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall maintain onsite the monitoring plan detailing the monitoring system and maintenance of the monitoring system, including quality assurance activities. The owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall retain the monitoring plan for at least 5 years from the date that it is replaced by a new or revised monitoring plan. The owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall provide the Department with a written copy of the monitoring plan by January 1, 2009, and thereafter within 3 calendar months of making updates to the plan.

(e) The owner or operator of a CAIR NO<sub>x</sub> Ozone Season unit shall retain records for at least 5 years from the date the record is created or the data collected as required by subsections (a) and (b), and the reports submitted to the Department and the EPA in accordance with subsections (c) and (d).

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