§ 76.5 NO\textsubscript{X} emission limitations for Group 1 boilers.

(a) Beginning January 1, 1996, or for a unit subject to section 404(d) of the Act, the date on which the unit is required to meet Acid Rain emission reduction requirements for SO\textsubscript{2}, the owner or operator of a Phase I coal-fired utility unit with a tangentially fired boiler or a dry bottom wall-fired boiler (other than units applying cell burner technology) shall not discharge, or allow to be discharged, emissions of NO\textsubscript{X} to the atmosphere in excess of the following limits, except as provided in §§76.10, 76.11, or 76.12:

1. 0.45 lb/mmBtu of heat input on an annual average basis for tangentially fired boilers.

2. 0.50 lb/mmBtu of heat input on an annual average basis for dry bottom wall-fired boilers (other than units applying cell burner technology).

(b) The owner or operator shall determine the annual average NO\textsubscript{X} emission rate, in lb/mmBtu, using the methods and procedures specified in part 75 of this chapter.

(c) Unless the unit meets the early election requirement of §76.8, the owner or operator of a coal-fired substitution unit with a tangentially fired boiler or a dry bottom wall-fired boiler (other than units applying cell burner technology) that satisfies the requirements of §76.1(c)(2), shall comply with the NO\textsubscript{X} emission limitations that apply to Group 1, Phase II boilers.

(d) The owner or operator of a Phase I unit with a cell burner boiler that converts to a conventional wall-fired boiler on or before January 1, 1995 or, for a unit subject to section 404(d) of the Act, the date the unit is required to meet Acid Rain emissions reduction requirements for SO\textsubscript{2} shall comply, by such respective date or January 1, 1996, whichever is later, with the NO\textsubscript{X} emissions limitation applicable to dry bottom wall-fired boilers under paragraph (a) of this section, except as provided in paragraphs (c) or (e) of this section or in §§76.10, 76.11, or 76.12.

(e) The owner or operator of a Phase I unit with a Group 1 boiler that converts to a fluidized bed or other type of utility boiler not included in Group 1 boilers on or before January 1, 1995 or, for a unit subject to section 404(d) of the Act, the date the unit is required to meet Acid Rain emissions reduction requirements for SO\textsubscript{2} is exempt from the NO\textsubscript{X} emissions limitations specified in paragraph (a) of this section, but shall comply with the NO\textsubscript{X} emission limitations for Group 2 boilers under §76.6.

(f) Except as provided in §76.8 and in paragraph (c) of this section, each unit subject to the requirements of this section is not subject to the requirements of §76.7.


§ 76.6 NO\textsubscript{X} emission limitations for Group 2 boilers.

(a) Beginning January 1, 2000 or, for a unit subject to section 409(b) of the Act, the date on which the unit is required to meet Acid Rain emission reduction requirements for SO\textsubscript{2}, the owner or operator of a Group 2, coal-fired boiler with a cell burner boiler, cyclone boiler, a wet bottom boiler, or a vertically fired boiler shall not discharge, or allow to be discharged, emissions of NO\textsubscript{X} to the atmosphere in excess of the following limits, except as provided in §§76.10 or 76.11:

1. 0.68 lb/mmBtu of heat input on an annual average basis for cell burner boilers. The NO\textsubscript{X} emission control technology on which the emission limitation is based is plug-in combustion controls or non-plug-in combustion controls. Except as provided in §76.5(d),
Environmental Protection Agency

§ 76.8

the owner or operator of a unit with a cell burner boiler that installs non-
plug-in combustion controls shall comply with the emission limitation appli-
cable to cell burner boilers.

(2) 0.86 lb/mmBtu of heat input on an annual average basis for cyclone boil-
ers with a Maximum Continuous Steam Flow at 100% of Load of greater than
1060, in thousands of lb/hr. The NO\textsubscript{X} emission control technology on which
the emission limitation is based is natural gas reburning or selective cata-
lytic reduction.

(3) 0.84 lb/mmBtu of heat input on an annual average basis for wet bottom
boilers, with a Maximum Continuous Steam Flow at 100% of Load of greater
than 450, in thousands of lb/hr. The NO\textsubscript{X} emission control technology on which
the emission limitation is based is natural gas reburning or selective cata-
lytic reduction.

(4) 0.80 lb/mmBtu of heat input on an annual average basis for vertically
fired boilers. The NO\textsubscript{X} emission control technology on which the emission limi-
tation is based is combustion controls.

(b) The owner or operator shall deter-
mine the annual average NO\textsubscript{X} emission
rate, in lb/mmBtu, using the methods
and procedures specified in part 75 of
this chapter.

[60 FR 18761, Apr. 13, 1995, as amended at 61
FR 67163, Dec. 19, 1996]

§ 76.8 Early election for Group 1,
Phase II boilers.

(a) General provisions. (1) The owner
or operator of a Phase II coal-fired utility unit with a Group 1 boiler may elect to have the unit become subject
to the applicable emissions limitation for NO\textsubscript{X} under §76.5, starting no later
than January 1, 1997.

(2) The owner or operator of a Phase
II coal-fired utility unit with a Group 1
boiler that elects to become subject to
the applicable emission limitation
under §76.5 shall not be subject to §76.7
until January 1, 2008, provided the des-
ignated representative demonstrates
that the unit is in compliance with the
limitation under §76.5, using the meth-
ods and procedures specified in part 75
of this chapter, for the period begin-
ing January 1 of the year in which the
early election takes effect (but not later than January 1, 1997) and ending

(3) The owner or operator of any
Phase II unit with a cell burner boiler
that converts to conventional burner
technology may elect to become subject
to the applicable emissions limitation
under §76.5 for dry bottom wall-
fired boilers, provided the owner or op-
erator complies with the provisions in
paragraph (a)(2) of this section.

(4) The owner or operator of a Phase
II unit approved for early election shall
not submit an application for an alter-
native emissions limitation demonstra-
tion period under §76.10 until the ear-
lier of:

(i) January 1, 2008; or
(ii) Early election is terminated pur-
suant to paragraph (e)(3) of this sec-
tion.

(5) The owner or operator of a Phase
II unit approved for early election may
not incorporate the unit into an aver-
aging plan prior to January 1, 2000. On
or after January 1, 2000, for purposes of
the averaging plan, the early election unit will be treated as subject to
the applicable emissions limitation for
NO\textsubscript{X} for Phase II units with Group 1
boilers under §76.7.

§ 76.7 Revised NO\textsubscript{X} emission limi-
tations for Group 1, Phase II boilers.

(a) Beginning January 1, 2000, the owner or operator of a Group 1, Phase II coal-fired utility unit with a tan-
gentially fired boiler or a dry bottom wall-
fired boiler shall not discharge, or
allow to be discharged, emissions of NO\textsubscript{X} to the atmosphere in excess of the following limits, except as provided in §§76.8, 76.10, or 76.11:

(1) 0.40 lb/mmBtu of heat input on an annual average basis for tangentially fired boilers.

(2) 0.46 lb/mmBtu of heat input on an annual average basis for dry bottom wall-fired boilers (other than units applying cell burner technology).

(b) The owner or operator shall deter-
mine the annual average NO\textsubscript{X} emission
rate, in lb/mmBtu, using the methods
and procedures specified in part 75 of
this chapter.