



# Acid Rain NO<sub>x</sub> Averaging Plan

For more information, see instructions and refer to 40CFR 76.11

Page 1

This submission is: ☐ New ☐ Revised

Page ☐ of ☐

## STEP 1

Identify the units participating in this averaging plan by plant name, State, and unit ID. In column (a), fill in each unit's applicable emission limitation from 40 CFR 76.5, 76.6, or 76.7. In column (b), assign an alternative contemporaneous annual emissions limitation (ACEL) in lb/mmBtu to each unit. In column (c), assign an annual heat input limitation in mmBtu to each unit. Continue to page 3 if necessary.

Plant Name	State	Unit ID#	(a) Emission Limitation	(b) ACEL	(c) Annual Heat Input Limit

## STEP 2

Use the formula to enter the Btu-weighted emission rate averaged over the units if they are operated in accordance with the proposed averaging plan and the Btu-weighted annual average emission rate for the same units if they are operated in compliance with 40 CFR 76.5, 76.6, or 76.7. The former must be less than or equal to the latter.

Btu-weighted annual emission rate averaged over the units if they are operated in accordance with the proposed averaging plan

$$\frac{\sum_{i=1}^n (R_{Li} \times HI_i)}{\sum_{i=1}^n HI_i}$$

Btu-weighted annual average emission rate for same units operated in compliance with 40 CFR 76.5, 76.6 or 76.7

$$\frac{\sum_{i=1}^n [R_{Li} \times HI_i]}{\sum_{i=1}^n HI_i}$$

≤

≤

Where,

- $R_{Li}$  = Alternative contemporaneous annual emission limitation for unit i, in lb/mmBtu, as specified in column (b) of Step 1;  
 $R_{Li}$  = Applicable emission limitation for unit i, in lb/mmBtu, as specified in column (a) of Step 1;  
 $HI_i$  = Annual heat input for unit i, in mmBtu, as specified in column (c) of Step 1;  
 $n$  = Number of units in the averaging plan

Plant Name (from Step 1)

**STEP 3**

**Identify the first calendar year in which this plan will apply.**

January 1, \_\_\_\_\_

**STEP 4**

**Read the special provisions and certification, enter the name of the designated representative, and sign and date.**

**Special Provisions**

Emission Limitations

Each affected unit in an approved averaging plan is in compliance with the Acid Rain emission limitation for NO<sub>x</sub> under the plan only if the following requirements are met:

- (i) For each unit, the unit's actual annual average emission rate for the calendar year, in lb/mmBtu, is less than or equal to its alternative contemporaneous annual emission limitation in the averaging plan, and
- (a) For each unit with an alternative contemporaneous emission limitation less stringent than the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year does not exceed the annual heat input limit in the averaging plan,
- (b) For each unit with an alternative contemporaneous emission limitation more stringent than the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year is not less than the annual heat input limit in the averaging plan, or
- (ii) If one or more of the units does not meet the requirements of (i), the designated representative shall demonstrate, in accordance with 40 CFR 76.11(d)(1)(ii)(A) and (B), that the actual Btu-weighted annual average emission rate for the units in the plan is less than or equal to the Btu-weighted annual average rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations in 40 CFR 76.5, 76.6, or 76.7.
- (iii) If there is a successful group showing of compliance under 40 CFR 76.11(d)(1)(ii)(A) and (B) for a calendar year, then all units in the averaging plan shall be deemed to be in compliance for that year with their alternative contemporaneous emission limitations and annual heat input limits under(i).

Liability

The owners and operators of a unit governed by an approved averaging plan shall be liable for any violation of the plan or this section at that unit or any other unit in the plan, including liability for fulfilling the obligations specified in part 77 of this chapter and sections 113 and 411 of the Act.

Termination

The designated representative may submit a notification to terminate an approved averaging plan, in accordance with 40 CFR 72.40(d), no later than October 1 of the calendar year for which the plan is to be terminated.

**Certification**

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected 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.

Name

Signature

Date

Plant Name (from Step 1)

(a)

(b)

(c)

Emission  
Limitation

Alt.  
Contemp.  
Emission  
Limitation

Annual Heat Input Limit

Plant Name

State

Unit ID#

**STEP 1**  
Continue the  
identification of  
units from Step 1,  
page 1, here.

[illegible]

Plant Name (from Step 1)

(a)

(b)

(c)

### Emission Limitation

Alt.  
Contemp.  
Emission  
Limitation

Annual Heat Input Limit

Plant Name

State

Unit ID#

**STEP 1**  
Continue the  
identification of  
units from Step 1,  
page 1, here.

[illegible]



# Acid Rain Program

## Instructions for Acid Rain NO<sub>x</sub> Compliance Plan and Averaging Plan (40 CFR 76.11)

*The Acid Rain Program NO<sub>x</sub> regulations are found at 40 CFR part 76 and apply to each existing coal-fired utility unit that is subject to sulfur dioxide (SO<sub>2</sub>) emission reduction requirements under Sections 404, 405, or 409 of the Clean Air Act. Under 40 CFR 76.9, the owner or operator of each affected unit subject to 40 CFR part 76 must include a NO<sub>x</sub> compliance plan in the Acid Rain permit application that covers that unit. For assistance, please call the Clean Air Markets Hotline at (202)343-9620.*

## Acid Rain NO<sub>x</sub> Compliance Plan Instructions

### STEP 1

Enter the plant name and plant code used in the Certificate of Representation covering the facility.

### STEP 2

For each boiler subject to an Acid Rain NO<sub>x</sub> limit, enter the boiler (unit) ID #, (consistent with the unit ID # listed for the unit on the Certificate of Representation covering the facility) and check either (1) the appropriate box denoting the standard limit that the unit is subject to in row (a) through (h) or (2) the NO<sub>x</sub> averaging plan box in row (i) (if a box in row "i" is checked, a NO<sub>x</sub> Averaging Plan form must also be submitted with the NO<sub>x</sub> compliance plan). If applicable, one of the boxes in rows (j) through (l) may also be checked. See the "Common Stacks" paragraph immediately below.

#### Common Stacks

A unit that utilizes a common stack and is separately monitored for NO<sub>x</sub> (i.e. has its own NO<sub>x</sub> monitor and diluent monitor) is treated as the same as a unit that emits only through its own separate stack.

A unit that utilizes a common stack and is not monitored separately must select one of the applicable common stack options. If the unit shares a common stack with other affected units and no non-affected units and if each of the units has a NO<sub>x</sub> emission limitation, three options are available: comply with the most stringent NO<sub>x</sub> emission limitation applicable to any unit utilizing the common stack (option (i)); include the units in a NO<sub>x</sub> averaging plan (option (k)); or use an approved method for apportioning the combined NO<sub>x</sub> emission rate in the common stack (option (l)). If the unit shares a common stack with at least one other unit that does not have a NO<sub>x</sub> emission limitation or with at least one non-affected unit, you must use an approved method for apportioning the combined NO<sub>x</sub> emission rate (option (l)), unless, of course, the unit is separately monitored.

If an apportionment option is chosen, check, in addition to option (l), the box at Step 2 that indicates the applicable emission limitation and submit to U.S. EPA the documentation supporting apportionment with the monitoring plan submission.

### STEP 3

Identify the first calendar year in which the Acid Rain NO<sub>x</sub> averaging plan will apply. Beginning with the calendar year denoted at Step 3, this Acid Rain NO<sub>x</sub> averaging plan will apply each calendar year that follows until (and if) a superseding Acid Rain NO<sub>x</sub> compliance plan or averaging plan is submitted.

## Acid Rain NO<sub>x</sub> Averaging Plan Instructions

*Under 40 CFR 76.11 any affected units under control of the same owner or operator and with the same designated representative may average their NO<sub>x</sub> emission rate, rather than each unit complying on an individual-unit basis with the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7. Units with no common owner or operator may not average their emissions. You may submit an averaging plan (or a revision to an approved averaging plan) with the appropriate Title V permitting authority(s) at any time up to and including January 1 of the calendar year for which the averaging plan will become effective. If the plan is restricted to units located within a single permitting authority's jurisdiction, you may submit the plan at any time up to and including July 1 of the calendar year for which the plan will become effective.*

## STEP 1

Each unit in the averaging plan must be a Group 1 or Group 2 boiler subject to an emission limitation under 40 CFR 76.5, 76.6, or 76.7. Enter each unit's applicable emission limitation from 40 CFR 76.5, 76.6, or 76.7 in column (a).

or units utilizing a common stack that are averaging pursuant to 40 CFR 75.17(a)(2)(i)(B), the same alternative contemporaneous emission limitation must be entered in column (b) for each unit utilizing the common stack. Different annual heat input limits may be entered for these units in column (c). Units not utilizing the common stack may also be included in the averaging plan with the common stack units.

The annual heat input limit entered at column (c) will be a minimum limit if the value in column (b) is less than the value in column (a) for that unit. It will be a maximum limit if the value in column (b) is greater than the value in column (a). The values entered for each unit at columns (b) and (c) must satisfy the formula at Step 2.

## STEP 2

The entries in Step 2 must demonstrate that the Btu-weighted annual emission rate averaged over the units in the plan is less than or equal to the Btu-weighted annual average emission rate for the same units if they are each operated, during the same period of time, in compliance with the applicable emission limitations in 40 CFR 76.5, 76.6, or 76.7. Use the equation that appears in Step 2 to demonstrate that the alternative contemporaneous annual emission limitations and annual heat input values assigned to the units in Step 1 satisfy this criterion.

## STEP 3

Identify the first calendar year in which the Acid Rain NO<sub>x</sub> averaging plan will apply. Beginning with the calendar year denoted at Step 3, this Acid Rain NO<sub>x</sub> averaging plan will apply each calendar year that follows until (and if) a superseding Acid Rain NO<sub>x</sub> compliance plan or averaging plan is submitted.

# General Instructions

Submit one complete set of all forms with **original** signatures to the appropriate Title V permitting authority (for NO<sub>x</sub> Averaging Plans, a copy of the plan must be submitted to each Title V permitting authority with jurisdiction over any of the units in the plan) and one copy to U.S. EPA. **Please note the different zip codes below.**

### Regular or Certified mail:

U.S. EPA  
CAPD – Operations & Implementation Branch  
Attn: Acid Rain NO<sub>x</sub>  
1200 Pennsylvania Avenue, NW  
Mail Code 6204A  
Washington, DC **20460**

### Overnight mail:

U.S. EPA  
CAPD – Operations & Implementation Branch  
Attn: Acid Rain NO<sub>x</sub>  
1200 Pennsylvania Avenue, NW  
WJC South, 4<sup>th</sup> Floor, Room # 4153C  
Washington, DC **20004**  
(202) 564-8717

## Paperwork Burden Estimate

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2060-0258). Responses to this collection of information are voluntary (40 CFR 76.11). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be 50 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.