



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

For more information, see instructions and refer to 40 CFR 76.9

This submission is:  New  Revised

Page 1 of

**STEP 1**  
Indicate plant name, State, and Plant code from the current Certificate of Representation covering the facility.

|            |       |            |
|------------|-------|------------|
| Plant Name | State | Plant Code |
|------------|-------|------------|

**STEP 2**  
Identify each affected Group 1 and Group 2 boiler using the unit IDs from the current Certificate of Representation covering the facility. Also indicate the boiler type: "CB" for cell burner, "CY" for cyclone, "DBW" for dry bottom wall-fired, "T" for tangentially fired, "V" for vertically fired, and "WB" for wet bottom, and select the compliance option for each unit by making an 'X' in the appropriate row and column.

|  | ID#  | ID#  | ID#  | ID#  | ID#  | ID#  |
|--|------|------|------|------|------|------|
|  | Type | Type | Type | Type | Type | Type |
| (a) Standard annual average emission limitation of 0.50 lb/mmBtu (for <u>Phase I</u> dry bottom wall-fired boilers)  |      |      |      |      |      |      |
| (b) Standard annual average emission limitation of 0.45 lb/mmBtu (for <u>Phase I</u> tangentially fired boilers)   |      |      |      |      |      |      |
| (c) Standard annual average emission limitation of 0.46 lb/mmBtu (for <u>Phase II</u> dry bottom wall-fired boilers)   |      |      |      |      |      |      |
| (d) Standard annual average emission limitation of 0.40 lb/mmBtu (for <u>Phase II</u> tangentially fired boilers)  |      |      |      |      |      |      |
| (e) Standard annual average emission limitation of 0.68 lb/mmBtu (for cell burner boilers)   |      |      |      |      |      |      |
| (f) Standard annual average emission limitation of 0.86 lb/mmBtu (for cyclone boilers)   |      |      |      |      |      |      |
| (g) Standard annual average emission limitation of 0.80 lb/mmBtu (for vertically fired boilers)  |      |      |      |      |      |      |
| (h) Standard annual average emission limitation of 0.84 lb/mmBtu (for wet bottom boilers)  |      |      |      |      |      |      |
| (i) NO <sub>x</sub> Averaging Plan (include NO <sub>x</sub> Averaging form)  |      |      |      |      |      |      |
| (j) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(A) (check the standard emission limitation box above for most stringent limitation applicable to any unit utilizing stack)  |      |      |      |      |      |      |
| (k) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(B) with NO <sub>x</sub> Averaging (check the NO <sub>x</sub> Averaging Plan box and include NO <sub>x</sub> Averaging form) |      |      |      |      |      |      |
| (l) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17(a)(2)(i)(C), (a)(2)(iii)(B), or (b)(2)   |      |      |      |      |      |      |

|                          |
|--------------------------|
| 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, sign and date.

**Special Provisions**

General.

This source is subject to the standard requirements in 40 CFR 72.9. These requirements are listed in this source's Acid Rain Permit.

**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 |



# Acid Rain Program

## Instructions for Acid Rain NO<sub>x</sub> Compliance Plan and Averaging Plan (40 CFR 76.9 and 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.*

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

### STEP 1

Enter the plant name and 4 or 5 digit plant code used in the Certificate of Representation covering the facility.

### STEP 2

For each boiler subject to an Acid Rain NO 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> compliance plan will apply. Beginning with the calendar year denoted at Step 3, this Acid Rain NO<sub>x</sub> compliance plan will apply each calendar year that follows until (and if) a superseding Acid Rain NO<sub>x</sub> compliance 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).

For 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

- (1) 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:

### For Regular or Certified Mail:

U.S. Environmental Protection Agency  
1200 Pennsylvania Ave., NW  
Mail Code 6204M  
Attn: Acid Rain NO<sub>x</sub>  
Washington, DC 20460

### For Overnight Mail:

U.S. Environmental Protection Agency  
1201 Constitution Ave., NW  
7<sup>th</sup> Floor, Room # 7421L  
Attn: Acid Rain NO<sub>x</sub>  
Washington, DC 20004  
(202) 343-9077

- (2) For assistance, contact Robert Miller at (202) 343-9077 or [Miller.RobertL@epa.gov](mailto:Miller.RobertL@epa.gov) or call the Acid Rain Hotline at (202) 343-9620.

## Paperwork Burden Estimate

The burden on the public for collecting and reporting of information under this request is fixed per response indicated. Send comments regarding this collection of information, including suggestions for reducing the burden, to: Chief, Information Policy Branch (PM-223), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave. NW, Washington, D.C. 20460; and to: Paperwork Reduction Project (OMB#2060-0258), Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. **Do not send your forms to these addresses; see the General Instructions on Page 2 for form submission information.**

| <u>FORM</u>                     | <u>HOURS</u> |
|---------------------------------|--------------|
| NO <sub>x</sub> Compliance Plan | 10           |
| NO <sub>x</sub> Averaging Plan  | 50           |