

# SECTION 22

## NO<sub>x</sub> APPORTIONMENT

### BACKGROUND

I. Sections 75.17(a)(1) and 75.17(a)(2)(i) allow the owner or operator of a group of NO<sub>x</sub> affected units (see definition below) that exhaust into a common stack to demonstrate compliance with the applicable NO<sub>x</sub> emission limits in the following ways:

A. Monitor the NO<sub>x</sub> emission rate separately for each unit, in the duct from the unit to the common stack; or

B. Monitor the NO<sub>x</sub> emission rate at the common stack *and* submit a compliance plan for approval by the permitting authority which indicates that:

(1) Each unit will comply with the most stringent NO<sub>x</sub> emission limitation of any unit using the common stack; or

(2) Each unit will comply with the applicable NO<sub>x</sub> emission limit by averaging its emissions with other units utilizing the common stack, pursuant to 40 CFR Part 76; or

(3) A petition will be submitted to determine each unit's NO<sub>x</sub> compliance by an alternative method, satisfactory to the Administrator, using apportionment of the common stack NO<sub>x</sub> emission rate and ensuring complete and accurate estimation of emissions.

II. Section 75.17(a)(2)(iii) allows an owner or operator of one or more NO<sub>x</sub> affected units that exhaust into a common stack with NO<sub>x</sub> nonaffected units (see definition below) to demonstrate that the NO<sub>x</sub> affected unit(s) meet the applicable NO<sub>x</sub> emission limitation(s) in the following ways:

A. Monitor the NO<sub>x</sub> emission rate in the duct from each unit to the common stack; or

B. Petition the Administrator for approval of an alternative method to determine each unit's NO<sub>x</sub> emission rate by an alternative method using apportionment of the common stack NO<sub>x</sub> emission rate and ensuring complete and accurate estimation of emissions.

III. Section 75.17(b) allows an owner or operator of one or more Acid Rain units (see definition below) that exhaust into a common stack with one or more non-Acid Rain units (see definition below) to determine the NO<sub>x</sub> emission rate(s) of the Acid Rain unit(s) in the following ways:

A. Monitor NO<sub>x</sub> emission rate in the duct from each Acid Rain unit to the common stack; or

B. Petition the Administrator for approval of an alternative method to determine each unit's NO<sub>x</sub> emission rate by an alternative method using apportionment of the

common stack NO<sub>x</sub> emission rate and ensuring complete and accurate estimation of emissions.

## DEFINITIONS

**Acid Rain Unit:** A unit subject to any Acid Rain emissions limitation under 40 CFR Parts 72 and 74, or 76.

**Main Common Stack:** A stack through which the combined emissions from a group of units discharge to the atmosphere.

**Non-Acid Rain Unit:** A unit not subject to any SO<sub>2</sub> or NO<sub>x</sub> Acid Rain emission limitation under 40 CFR Parts 72, 74, or 76.

**NO<sub>x</sub> Affected Unit:** An Acid Rain unit which is subject to a NO<sub>x</sub> emission limitation under 40 CFR Part 76.

**NO<sub>x</sub> Nonaffected Unit:** An Acid Rain unit which is not subject to a NO<sub>x</sub> emission limitation under 40 CFR Part 76.

**Secondary Common Stack:** A location in the ductwork, upstream of the main common stack, where the combined heat input rate and/or combined emissions from two or more units are monitored.