

**INTERPRETATION IC 62.1-2004-16 OF
ANSI/ASHRAE STANDARD 62.1-2004
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

Approved June 22, 2008

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Reference: This request for interpretation refers to the requirements in ANSI/ASHRAE Standard 62.1-2004, Section 4.1 and Table 4-1, regarding regional air quality and NAAQS for pollutants outside of the United States.

Background: Section 4.1 requires that the status of compliance with national ambient air quality standards shall be determined for the geographic area of the building site and Table 4-1 gives the maximum concentration levels for 6 major contaminants for US locations.

In Brazil we'll find some difficulties to gather information about long-term averages in most cities, since we do not have a broad monitoring stations system. The only state with a good monitoring system is São Paulo. Without national ambient air quality standards, the following questions arise: If we're designing a building where we do not have the information of long-term averages how can we comply with this section? We have available companies that can measure those contaminants, but for some long-term averaging figures shown in Table 4-1 they use a 3-year average value, what for a job cycle becomes impracticable. What should we recommend in the Brazilian market for buildings that want to comply with Standard 62.1? Is it possible to get a compliance status as “attainment” only with punctual measurement? If not, which procedure should we follow to get long-term averages?

Interpretation No. 1: The EPA attainment/non-attainment designations apply to U.S. locations only. If a country established similar national ambient air quality standards, we would use the designations set by those national standards, disregarding Table 4-1 and designations established by the US EPA.

Question No.1: Is this Interpretation correct?

Answer No.1: Yes

Comments No.1:

Interpretation No. 2: If a country does not establish national ambient air quality standards, compliance status cannot be determined, so no further action is needed. Similar to locations in the US with no EPA compliance status, all locations in such countries are considered to be “attainment” areas.

Question No.2: Is this Interpretation correct?

Answer No.2:

Yes to the first sentence, the Standard requires no further action. No to the second sentence, since the second and third sentences of Section 4.1 apply only to U.S. locations.

Comments No.2: The term “attainment” as used in this Standard is applicable to only U.S. locations.