

**INTERPRETATION IC 62.1-2007-18 OF
ANSI/ASHRAE STANDARD 62.1-2007
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

Approved 1/23/2010

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Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2007, Sections 5.4 and 6.2.8, and Table 6-4, regarding exhaust ventilation and fan system operation.

Background: Section 6.2.8 requires exhaust airflow rates in accordance with the requirements of Table 6-4. Private toilets and residential kitchens in Table 6-4 include a reference to note E or note G, respectively. Notes E and G imply that these entries may have their exhaust system operated non-continuously. No other entries in Table 6-4 make reference to continuous or non-continuous operation. Section 5.4 requires the fan system to operate whenever the spaces served are occupied. Table 6-4 makes no reference to occupancy for the spaces which do not contain notes E or G in their Table entry. The remaining spaces of Table 6-4 are required to be exhausted simply based on their area; there is no reference to an occupant load. The lack of notes E or G on other Table 6-4 entries implies that the contaminants to be exhausted from these spaces exist within these spaces whether the spaces are occupied or not. Notes E and G allow an exhaust airflow rate of one half the occupied exhaust airflow rate. Possibly this one half reduction is meant to be allowed on other spaces in Table 6-4?

Interpretation No.1: A fan system which creates the exhaust air rate serving a space in Table 6-4 which does not contain a note E or G may be made to operate whenever the space in Table 6-4 is occupied.

Question No.1: Is this interpretation correct?

Answer No.1: Yes, it shall operate whenever the space is occupied.

Interpretation No.2: A fan system which creates the exhaust air rate serving a space in Table 6-4 which does not contain a note E or G may be made to be inoperative whenever that space in Table 6-4 is not occupied.

Question No.2: Is this interpretation correct?

Answer No.2: No

Comment: The exhaust rates shown in Table 6-4, where not otherwise noted, are intended to be continuous when the building containing those spaces is expected to be occupied.

Interpretation No.3: A fan system which creates the exhaust air rate serving a space in Table 6-4 which does not contain a note E or G may be reduced to one half of the Table 6-4 entry whenever that space in Table 6-4 is not occupied.

Question No.3: Is this interpretation correct?

Answer No.3: No

Interpretation No.4: A fan system which creates the exhaust air rate serving an educational science laboratory may be made inoperative whenever that space is not occupied.

Question No.4: Is this interpretation correct?

Answer No.4: No

Comment: The exhaust rates shown in Table 6-4, where not otherwise noted, are intended to be continuous when the building containing those spaces is expected to be occupied.

Interpretation No.5: A fan system which creates the exhaust air rate serving an educational science laboratory may be controlled such that an exhaust rate of at least 0.50 cfm/ft^2 is provided when the space is not occupied.

Question No.5: Is this interpretation correct?

Answer No.5: No