INTERPRETATION IC 62.1-2007-1 OF
ANSI/ASHRAE STANDARD 62.1-2007
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY

Approved June 24, 2007

Request from: Shawn Jacobs, PE (shawnjacobs@insightbb.com), 994 Wedgewood Drive, Independence, KY 41051.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2007, Table 5-1 "Air Intake Separation Distance", Appendix F "Separation of Exhaust Outlets and Outdoor Air Intakes", and Table 6-4 "Minimum Exhaust Rates" regarding separation distances between Air Class 2 and 3 Exhaust and an Outdoor Air intake.

Background No 1 and 2: The minimum allowed separation distance is 15 feet as shown in Table 5-1 for "Significantly Contaminated Exhaust" (Air Class 3). What is the required separation distance between the exhaust from an "Air Class 2" space as shown in Table 6-4 and an Outdoor Air intake?

Interpretation No. 1: There is no required separation distance between an "Air Class 2" exhaust termination (exhaust air) and an outdoor air intake.

Question No. 1: Is this interpretation correct?

Answer No. 1: Yes

Interpretation No. 2: The exhaust termination and outdoor air intake location on an Energy Recovery Ventilator is required to comply with the separation distance requirements of Standard 62.1.

Question No. 2: Is this interpretation correct?

Answer No. 2: Yes

Background No. 3: The minimum Dilution Factor (*DF*) is 15 as shown in Table F-2 for "Significantly Contaminated Exhaust" (Air Class 3).

Interpretation No. 3: In Equation F-1a, the Dilution Factor (*DF*) is 15 as shown in Table F-2 for exhaust from an "Air Class 2" space as shown in Table 6-4.

Question No. 3: Is this interpretation correct?

Answer No. 3: No

Comments No. 3: The standard does not provide a Dilution Factor for air with moderate contaminant concentration (Air Class 2). The designer may use any desired value in accordance with any applicable codes or ordinances.