

**INTERPRETATION IC 62.1-2007-25 OF
ANSI/ASHRAE STANDARD 62.1-2007
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

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Request from: Cynthia Cogil (Cindy.Cogil@smithgroupjir.com), Smith Group JJR, 901 K St. NW, Suite 400, Washington, DC 20001.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2007, Section 6.4 and Table 6-4, regarding design documentation and exhaust rates for copy/printing rooms.

Background: ANSI/ASHRAE Standard 62.1-2007, Table 6-4 requires copy/printing rooms to be exhausted at a rate of 0.5 CFM/SF and classifies the exhaust air leaving the space as Class 2 (i.e., inappropriate for transfer or recirculation to spaces used for different purposes). Modern, digital printers used in general office applications, including multi-purpose (copy/print/scan/email/fax) printers, typically utilize inkjet or laser printing processes and are often certified to meet environmental standards related to emission rates. Digital printers differ greatly from traditional printing methods such as letterpress, offset printing, lithography, etc.

Interpretation No.1: Modern, digital printers, including multi-purpose printers, used in general office applications are not required to be enclosed in a separate room and exhausted in accordance with the occupancy category “Copy, printing rooms” per Table 6-4. It shall be noted that this interpretation is consistent with the design approach taken at ASHRAE Headquarters in Atlanta as part of the recent renovation.

Question No.1: Is this interpretation correct?

Answer No.1: Yes

Interpretation No.2: Modern, digital printers, including multi-purpose printers, used in general office applications and located in an open office work area are not required to be exhausted in accordance with the occupancy category “Copy, printing rooms” per Table 6-4. It shall be noted that this interpretation is consistent with the design approach taken at ASHRAE Headquarters in Atlanta as part of the recent renovation.

Question No.2: Is this interpretation correct?

Answer No.2: Yes

Interpretation No.3: High volume, modern, digital printers, including multi-purpose printers, that produce more than 40,000 pages (20,000 double-sided) per month are required to be enclosed in a separate room and exhausted in accordance with the occupancy category “Copy, printing rooms” per Table 6-4. It shall be noted that this interpretation is consistent with the requirements of LEED 2009 for New Construction and Major Renovations, IEQ Credit 5.

Question No.3: Is this interpretation correct?

Answer No.3: No

Comments: The standard does not have requirements for enclosing printing equipment. The decision of installing enclosures and then selecting the appropriate space classification is left to the design team. The standard only requires that the ventilation requirements for the selected space type be met. The requirements of Section 5.6 of the standard, “Local Capture of Contaminants,” may also apply.