

**INTERPRETATION IC 62.1-2013-8 OF
ANSI/ASHRAE STANDARD 62.1-2013
VENTILATION AND ACCEPTABLE INDOOR AIR QUALITY**

Approved: February 9, 2025

Request from: Weixiu Wang, Green Business Certification Inc. (GBCI), 2101 L Street NW Suite 600, Washington, DC 20037.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2013, Section 6.5.2, regarding the performance compliance path for residential spaces.

Background: Residential units are installed with recirculation kitchen hood with no duct connected to exhaust system and no exhaust grill provided within the kitchen space. Per ASHRAE Standard 62.1-2010 Section 6.5, exhaust ventilation must be provided, and exhaust air must be discharged to the outside. The project design does not comply. If the project applies performance compliance path, which is included in ASHRAE Standard 62.1 since the 2013 version, different interpretations arise. Please see the following.

Interpretation No.1: Exhaust ventilation must still be provided while the exhaust rate does not need to meet the prescriptive exhaust rate. The exhaust rate can be determined through contaminant analysis and modulated during operation depending on the detected contaminant level. I understand that ASHARE Standard 62.1 has moved residential applications to ASHRAE Standard 62.2, which seems to indicate this interpretation is correct, but would like to confirm.

Question No.1: Is this interpretation correct?

Answer No.1: Yes

Interpretation No.2: If the project team performed a contaminant-based design analysis and implemented the following strategies in the design, the operable windows, increase in restroom exhaust, carbon filtration in kitchen hoods, and electric kitchen ranges. The monitoring/control systems will be utilized to activate these strategies to maintain contaminant level in the kitchen space. Exhaust ventilation, discharging air to the outside or exhaust system, is not mandatory.

Question No.2: Is this interpretation correct?

Answer No.2: No