

**INTERPRETATION IC 62.2-2013-3 OF
ANSI/ASHRAE STANDARD 62.2-2013
Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings**

Approved August 21, 2015

Request from: Max Sherman, Lawrence Berkeley National Lab, 1 Cyclotron Road, Berkeley, CA 94720.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.2-2013 (including the 2015 Supplement to 62.2-2013), Sections 1 and 2, related to unvented combustion appliances.

Background: Unvented combustion appliances (such as ventfree space heaters or decorative gas appliances) are known to produce products of combustion which can often be the contaminants of concern in the indoor environment. The Scope does not specifically address unvented combustion space heaters and it is not clear if a home that is using an unvented space heater or similar appliance meets the intent of this standard to provide acceptable indoor air quality as stated in the Purpose. It is not clear if there are additional requirements needed to make it meet the intent. The scope excludes high polluting events from the intent of the standard, but it is not clear which of these appliances are intended to be included in that exemption.

Interpretation No.1: A home that otherwise meets the requirements of Standard 62.2 will still meet the requirements if there are unvented combustion appliances operating in the space, provided that the installation of these appliances complies with Section 6.4.

Question No.1: Is Interpretation Number 1 correct?

Answer No.1: Yes.

Interpretation No.2: In a home that meets Standard 62.2, unvented combustion appliances that meet all applicable equipment standards can be expected not to harm acceptable indoor air quality.

Question No.2: Is Interpretation Number 2 correct?

Answer No.2: No.

Comments No.2: The intent of the standard is to provide requirements for minimum acceptable indoor air quality. Section 2.2.d lists situations in which the operation of unvented appliances could not be expected to achieve acceptable indoor air quality, such as when the “system is not operated and maintained as designed.”

Interpretation No.3: Since Standard 62.2 does not provide requirements for unvented combustion devices (other than cooking appliances), it is the responsibility of the user of the standard or the user of the appliance, not Standard 62.2, to determine additional requirements

needed to provide acceptable indoor air quality when unvented combustion heaters are operating in the space.

Question No.3: Is Interpretation Number 3 correct?

Answer No.3: Yes.

Interpretation No.4: Operation of an unvented combustion appliance could qualify as a “high polluting event” within Standard 62.2.

Question No.4: Is Interpretation Number 4 correct?

Answer No.4: Yes.

Comments No.4: It could qualify as a high-polluting event under certain circumstances, such as when the “system is not operated and maintained as designed”, but the standard does not say that it always will.