

**INTERPRETATION IC 62.1-2007-23 OF
ANSI/ASHRAE STANDARD 62.1-2007
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

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Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1 -2007, Sections 3, 6.1.2, 6.3 and 6.2.6, specifically Table 6-4, regarding IAQ Procedure (air cleaning) of toilet exhaust.

Background: ASHRAE 62.1 defines *exhaust air* in Section 3 as "air removed from a space and discharged to outside the building by means of mechanical ventilation or natural ventilation systems". ASHRAE 62.1 Section 6.1.2 allows the IAQ procedure to use controls that remove contaminants (air cleaning devices) that can reliably demonstrate indoor contaminant concentrations equal to or lower than those achieved using the Ventilation Rate Procedure.

Interpretation: Providing Ventilation Rate Procedure exhaust airflow as listed in ASHRAE 62.1 Table 6-4 is removed from toilet room space, then air is ducted thru an air cleaning device rated for toilet room contaminants and has filter media as indicated in ASHRAE applications handbook for these contaminants with >90% effectiveness (to be cleaned well enough to substitute for outside air), then the same air is ducted back to the toilet room as cleaned make up air, this design concept will provide the ASHRAE 62.1 required exhaust for the toilet rooms despite the fact that it is not being discharged to outdoors based upon the definition of exhaust air. All other required IAQ Procedure requirements per ASHRAE 62.1 are done (for example: IAQ model is performed demonstrating acceptable IAQ levels when compared to ASHRAE's acceptable contaminant levels).

Question: Is this Interpretation correct?

Answer: No

Comments: Table 6-4 requires exhaust of bathrooms which is defined as air that is discharged to the outdoors. The committee would be interested in reviewing a change proposal to allow the system you describe, particularly if supporting documentation demonstrated the effectiveness of the air cleaning system.