

**INTERPRETATION IC 90.1-2004-25 OF  
ANSI/ASHRAE/IESNA STANDARD 90.1-2004  
Energy Standard for Buildings Except Low-Rise Residential Buildings**

**Date Approved: 3 October 2008**

**Request from:** Nick Mittereder PE ([nmittereder@mbakercorp.com](mailto:nmittereder@mbakercorp.com)), Baker and Associates, 100 Airside Drive, Moon Township, PA 15108.

**Reference:** This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2004, Section G3.1 and Table G3.1, No. 4, regarding schedules for the proposed and baseline buildings.

**Background:** Table G3.1 No. 4 describes the scheduling requirements for proposed model and indicates that the baseline model shall be the same with a few exceptions. Our project that is related to this section is a maintenance facility for the US government and consists of several repair high bays used for the modification and repair of Army vehicles and equipment. The space is heating only and usually consists of overhead or in-floor radiant heating to account for envelope heating losses and also includes heat and ventilation units to handle ventilation loads. There are also special exhaust systems for vehicle exhaust and welding hoods. The radiant heating system operates as needed to maintain space temperature and occupant comfort and the H&V units operate continuously while the space is occupied. We are considering installing a gas monitoring system for CO<sub>2</sub>, CO and NO<sub>x</sub> to account for both gasoline and diesel vehicles and occupants that will be located in the space. The gas monitoring system has the ability to control ventilation flow rates for the space such that H&V unit cfm can be turned down to minimum ventilation requirements for space occupancy.

**Interpretation:** The gas monitoring system indicated above and associated control constitutes a demand control ventilation system that would allow the proposed model to have a reduced schedule based on expected owner operations for the space.

**Question:** Is this interpretation correct?

**Answer:** Yes

**Comment:** Your interpretation is correct.