

5.7.6 Future Directions

The variety of potential sources for error in AIMS measurements suggests that further refinement may be needed before the technique will produce consistently accurate results. Thus, the AIMS techniques still has some technical problems and is in a very early stage of market penetration. DOE could aid in the commercialization of this innovation by sponsoring work that would improve the consistency and accuracy of results and reduce processing delays. At that point an information outreach program would be in order.

5.7.7 Sources of Information

Interviews

Russell Dietz, Brookhaven National Laboratory, Upton, New York, April 1988.

Jim Kolb, Oak Ridge National Laboratory, Oak Ridge, Tennessee, April 1988.

Robert Kedl, Oak Ridge National Laboratory, Oak Ridge, Tennessee, April 1988.

Andrew Persily, National Institute of Standards and Technology, Gaithersburg, Maryland, May 1988.

Documents

"Passive Infiltration Monitor." 1986. Energy Auditor and Retrofitter, p. 25, September/October.

du Pont, P. 1987. "The AIMS Monitor: Measuring Infiltration, Not Tightness," Energy Auditor and Retrofitter, January/February.

Sherman, M. H. 1987. "Analysis of Errors Associated with Passive Ventilation Measurement Techniques," LBL-23088 Preprint, Lawrence Berkeley Laboratory, Berkeley, California.

5.8 FOOTNOTES TO SECTION 5

¹In the integral model, the unit was characterized by a heat pump and a water tank packaged as a single unit and a heat pump condensing coil immersed in the water tank. The retrofit unit consisted of: 1) a helix-shaped