



21CR Research 605-20011

## **Evaluating the Ability of Unitary Equipment to Maintain Adequate Space Humidity Levels – Phase II**

Updated 30 August 2006

### **Objective:**

Support of ASHRAE 1254-RP (“Evaluating the Ability of Unitary Equipment to Maintain Adequate Space Humidity Levels, Phase II: Simulations, Summary and Development of Guidelines”)

### **Information/items expected to result from this project:**

This project provides for computer simulations to evaluate the ability of unitary HVAC equipment to address humidity control issues in different commercial buildings and under different climate conditions.

### **How results are likely to be applied:**

Phase II will provide 1,360 computer simulations to identify how various humidity control options perform in five different applications and eight different climate locations. The results will be used to develop guidelines for design engineers and building operators.

### **Research subcontractor:**

Gard Analytics, Park Ridge, Illinois (Principal Investigator: Michael Witte, Ph.D.)

### **Status:**

The project has been completed. The draft final report is approved for release. The final report is available to download at no cost from the ARTI website.

**Responsible 21CR Subcommittee:** HVAC&R Energy Efficiency