Humidity Monitoring Field Data Form

Home Characteristics

House Type (ranch, cape, colonial, townhome, etc.): _____ Year of Construction: _____

Approximate square footage: basement _____ 1st floor _____ 2nd floor _____ other _____

Ceiling heights: basement _____ 1st floor _____ 2nd floor _____ other _____

# of Bedrooms _____ # of Bathrooms _____

Occupancy: # of occupants: _____ # of adults:_____ # of children: _____

# of all-day occupants: _____ # of adults:_____ # of children: _____

Foundation type (basement, finished/unfinished, crawlspace, vented/unvented, etc.):
_____

Notable Moisture Sources (i.e., plants, pets, aquariums, etc.): _____

_____

_____

Primary floor coverings: ❑ vinyl ❑ wood ❑ carpet ❑ tile ❑ other _____

Primary Siding Material ❑ wood ❑ metal ❑ vinyl ❑ stucco ❑ brick ❑ other
_____

Structure: ❑ 2 x4 wood frame ❑ 2 x 6 wood frame ❑ other _____

Windows: ❑ single-glazed ❑ double-glazed ❑ low-e ❑ other _____

Window frames: ❑ wood ❑ vinyl ❑ metal ❑ other _____

Attic insulation type: ❑ blown fiberglass ❑ blown cellulose ❑ fiberglass batt ❑ other
_____

Attic insulation depth: _____ inches

Foundation insulation description: _____

_____

_____

Notes

Mechanical Equipment (if multiple systems, complete survey for all systems)

How many air handling units? _____

Field Visit Date: _____*Site I.D. Number:*_____*OMB Control Number:*_____
*Expiration Date:*_____

Central HVAC System: ❑ heating only ❑ cooling only ❑ heating and cooling

Heating Fuel: ❑ gas ❑ oil ❑ propane ❑ electric ❑ wood/coal ❑ other

Heating Type: ❑ Furnace ❑ Boiler Baseboard ❑ Hydro-air ❑ Elec. Resistance ❑ Heat Pump (AS or GS)

System Location: _____ ❑ conditioned ❑ unconditioned

Duct Location: ❑ Attic Only ❑ Basement/Crawlspace Only ❑ Both ❑ All within envelope

Heating Make: _____Model #: _____ Input Size (MBtuh): _____ AFUE: ____

Cooling Make: _____Model: _____Output Size (MBtuh): _____ SEER: ____

Central dehumidifier (type/location) _____

Central humidifier (type/location) _____

Central mechanical ventilation (type/location) _____

Domestic Hot Water System Type: ❑ tank ❑ indirect tank ❑ tankless coil ❑ instantaneous
❑ other: _____

Domestic Hot Water Fuel: ❑ gas ❑ oil ❑ propane ❑ electric ❑ wood/coal ❑ other: _____

Domestic Hot Water Venting Type: ❑ atmospheric ❑ fan-assisted ❑ sealed combustion ❑ N/A

Appliances

Kitchen Stove Fuel: ❑ gas ❑ electric ❑ other

Clothes Dryer Fuel: ❑ gas ❑ electric ❑ other

Fireplace(s) or Stoves: ❑ gas ❑ wood ❑ other _____
❑ vented ❑ unvented ❑ other _____

Room Air Conditioner(s): How many? ____ Where? _____

Humidifier(s): How many? ____ Where? _____

Dehumidifier(s): How many? ____ Where? _____

Are dryer, bath fans, range hood, etc vented to the outside? _____

Notes

Other Observations:

Is there evidence of potential moisture problems such as mold growth, water damage at window sills, etc.?

_____

_____

_____

_____

Measurements:

BATH EXHAUST FAN AIR FLOWS (WITH LO-FLOW BALOMETER)

Fan location: _____ Measured cfm: _____ Method of Control: _____
Fan location: _____ Measured cfm: _____ Method of Control: _____
Fan location: _____ Measured cfm: _____ Method of Control: _____
Fan location: _____ Measured cfm: _____ Method of Control: _____

BLOWER DOOR TEST

House Pressure: _____ Pa Fan Pressure: _____ Pa Ring: ❑open ❑A ❑B

CFM50: _____

Notes:

DUCT SYSTEM AIRFLOW MEASUREMENTS (DELTA Q METHOD)

PRESSURIZING
With Air Handler ON
Test Pressure: _____ Pa
BD Ring: ❑ open ❑ 1 ❑ 2 ❑ 3
BD Fan Pressure: _____ Pa
Duct Leakage: _____ cfm@25

PRESSURIZING
With Air Handler OFF
Test Pressure: _____ Pa
BD Ring: ❑ open ❑ 1 ❑ 2 ❑ 3
BD Fan Pressure: _____ Pa
Duct Leakage: _____ cfm@25

DEPRESSURIZING
With Air Handler ON
Test Pressure: _____ Pa
BD Ring: ❑ open ❑ 1 ❑ 2 ❑ 3
BD Fan Pressure: _____ Pa
Duct Leakage: _____ cfm@25

DEPRESSURIZING
With Air Handler OFF
Test Pressure: _____ Pa
BD Ring: ❑ open ❑ 1 ❑ 2 ❑ 3
BD Fan Pressure: _____ Pa
Duct Leakage: _____ cfm@25

Data Logger Installation

	Specific Location	I.D. Number
Living Room/Family Rm		
2nd Floor Bedroom or Master Bedroom		
Primary Bathroom		
Basement/crawlspace/attic		
Ambient		

Note: With homeowners' permission, digital photographs will be taken to complement the data collection.

Public Reporting Burden Statement

The purpose of this survey is: (1) Collect moisture load data to support research to better understand the impact of indoor moisture on the durability of homes; (2) Support the development of design criteria, such as ASHRAE Standard 160P, that will minimize durability problems associated with high indoor moisture levels; and (3) Investigate the influence of the interior and exterior conditions on the indoor moisture level of a typical single family home.

HUD will provide this data to researchers and engineers. The researchers and engineers will use the information as points of reference to develop new and enhance existing residential moisture models and technical standards. These models and standards will help to improve the durability of homes by minimizing durability problems associated with high moisture levels.

The public reporting burden is estimated to be 420 hours.

Participation in this Government-sponsored survey is voluntary.

The names or other identifying information for individuals that respond to this survey will not be used in any published reports or datasets nor will this identifying information be shared with HUD. At the completion of this project, SWA will destroy all personally identifiable information.

The surveyor will display the currently valid OMB control number at all times.