

American Solar Energy Conference SOLAR 2007 CLEVELAND, OHIO CLEVELAND ENVIRONMENTAL CENTER



The Green Team aka "Greenies"

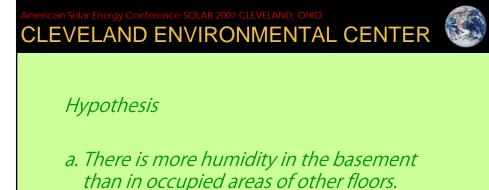
Bob Tinker, Archiopolis, LLC, Ann Arbor, Ml Beth Lewis, Florida A&M University Nick Rajkovich, Pacific Energy Center David Bitter, Architect, Atlanta GA Karen Chase, Oregon Dept. of Energy Tim Lenahan, Ohio Dept. of Development Paul Rezek, Middle Bass, OH Darryl Thayer, Minneapolis, MN American Solar Energy Conference SOLAR 2007 CLEVELAND, OHIO
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Preliminary Observations:

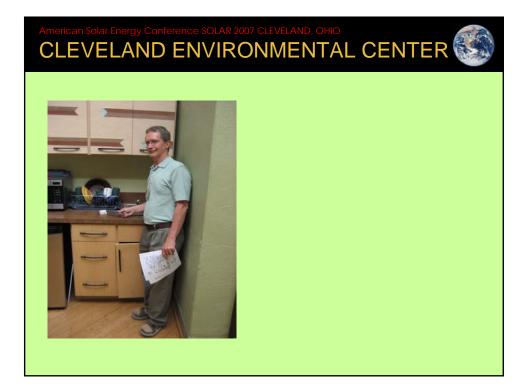
Relative to the basement level, the team noted blistering paint, apparent odors, some standing water in the heat pump units.

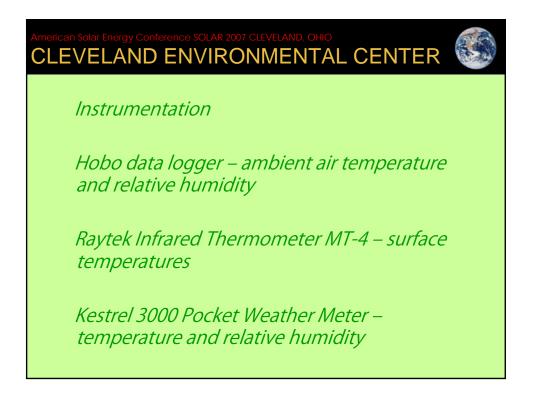
These conditions were not observed in the occupied areas of the upper floors.

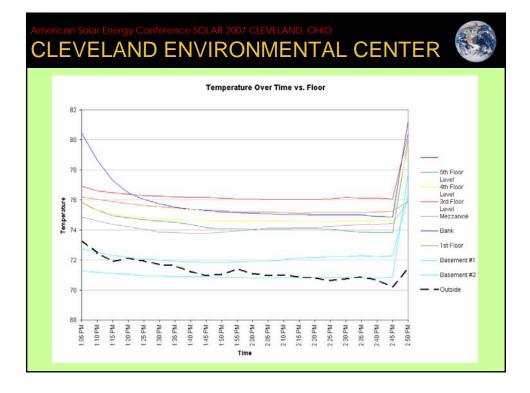


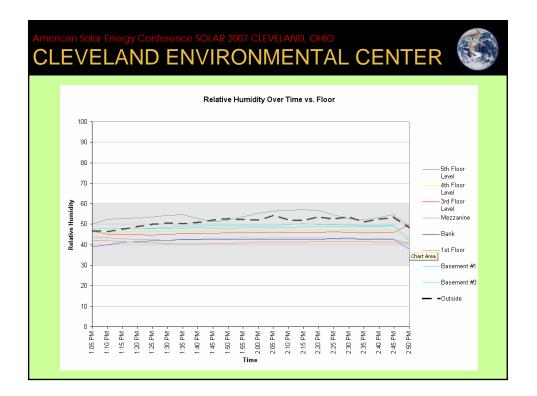
b. The temperature in the basement is lower than that in the occupied areas on other floors.

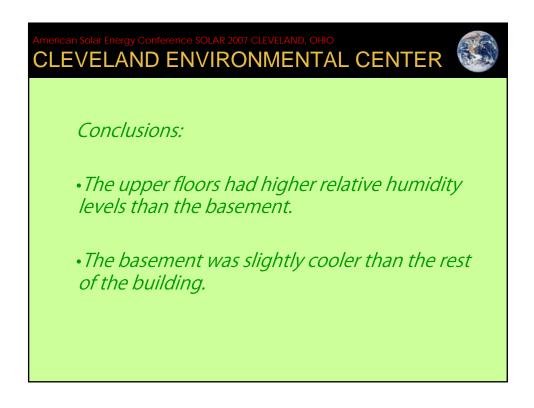


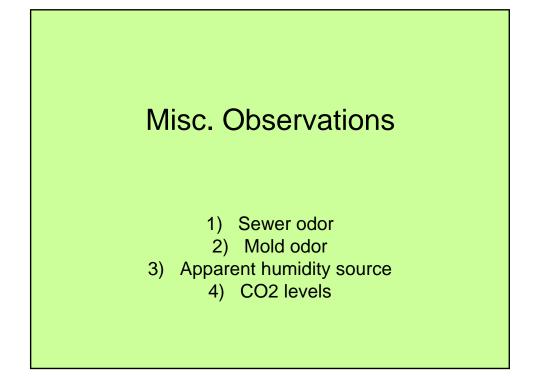


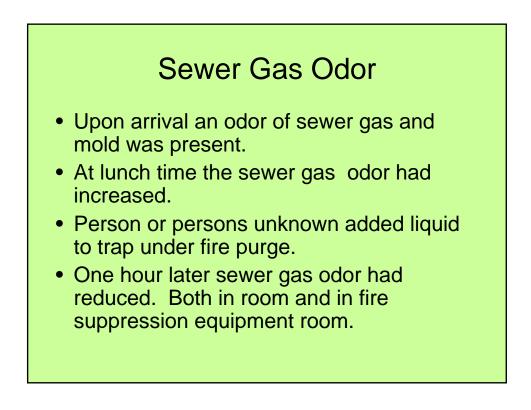


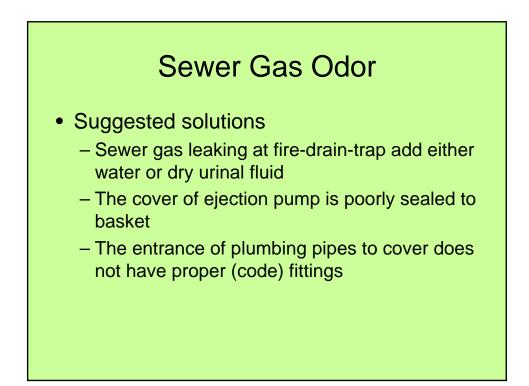


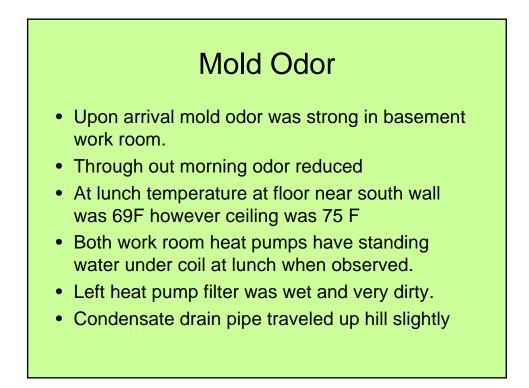






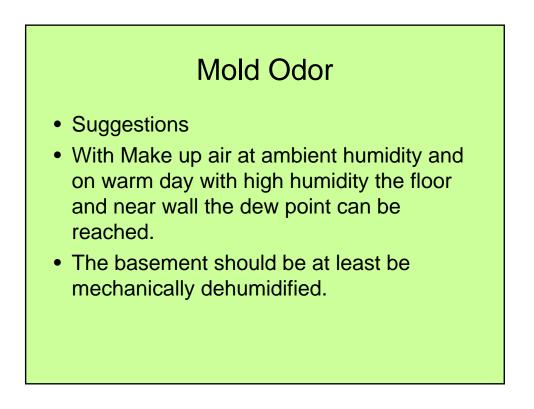






Mold Odor

- Suggestions
- Reduction or odor by lunch perhaps caused by addition of fresh air due to fresh air. (caused by CO2 level increase)
- Fix Heat pump drain connections to allow down slope from drain pan to drain pipe
- Temp at floor 70F and 50%RH, 46% at 75 on table top. Entering air 78 and 46%



Carbon Dioxide

- At lunch time CO2 in back hall was 890 PPM after lunch CO2 was 720 ppm
- In front room at lunch time 410 ppm after lunch 390
- At 3:20 back hall 750 ppm and front room 400 ppm
- Supply air after lunch 78 F and RH 46%
- Outside air at 77 and 47%

