**Field Measurements: Building Energy and IEQ Course**

**HW 4 Due: May 7, 2012**

Using the particle measurements in the small environmental chamber in PRC define

1. Ventilation rate assuming that deposition rate of small particles (<1micron)

* Use P-track data

1. Ventilation effectiveness in the birthing zone of the thermal manikin (age of air in the exhaust/ age of air in breathing zone)

- Use data from two Aerotraks for particles smaller than 1 micron

1. Deposition rate large particles (particles larger than 2.5 microns)

- Use data from the Aerotrak in the exhaust.

All the data are in the HW section of the course website.