**Air Quality Studies**

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| Assessment of Environmental Pollution and Community Health in Northwest Florida |
| EPA Cooperative Agreement X-97455002. July 1, 2002 to June 30, 2009 |
| Project Director: Dr. K. Ranga Rao |

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This project is carried out in three phases: Phase I. Use existing information sources to assess and prioritize local, urban, and regional threats to human health associated with air toxics and criteria pollutants in the Pensacola area. Phase II. Deployment of the Georgia Tech Air Quality Mobile Laboratory (AQML) in a populated region of Pensacola to collect high temporal resolution (on the order of one minute to 1 hour averages) atmospheric chemical and physical data, as a pilot study for a month in Summer 2003. Phase III: Comprehensive PM (particulate matter) analysis; sensitivity and source apportionment for air quality modeling; and air toxics RAIMI (Regional Air Impact Modeling Initiative) application for the Pensacola area.