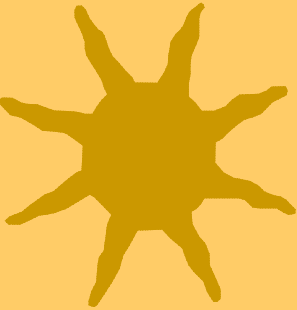


MARAMA

Susan Wierman & Alice Lutrey
JTC Meeting
March 7, 2005



FY 2005 – Completed Courses



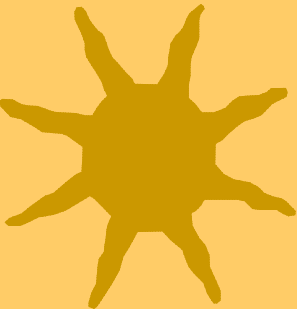
★ Risk Assessment for Air Toxics

- November 2004 – Philadelphia, PA
- 24 attendees (max)
- Taught by state staff and EPA



★ Rutgers Compliance Assurance Monitoring

- December 2004 -
- 39 Attendees



★ CARB 100 – Baltimore, MD

- February 2005
- 26 Attendees
- Included attendees from Alabama and Missouri



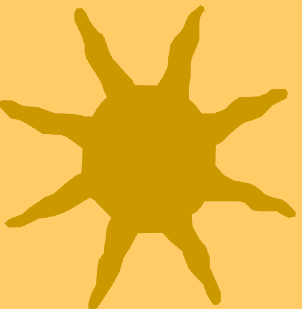
FY 2005 - Continued



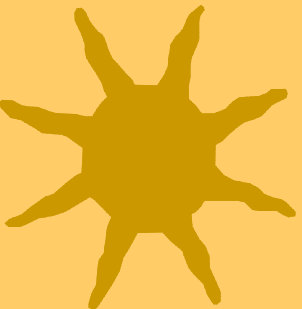
★ Rutgers Advanced NO_x Control Course

– March 7-8 in Roanoke, VA

– Estimated Attendance: 40



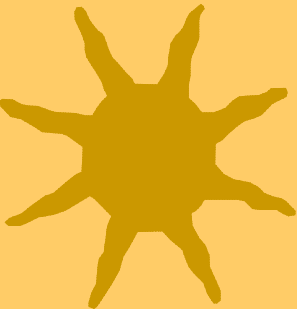
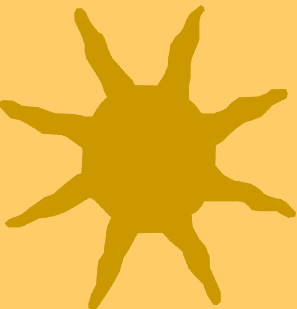
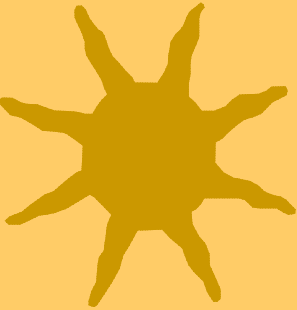
★ A copy of the MARAMA calendar is included with the presentation



★ We have at least one course planned each month.



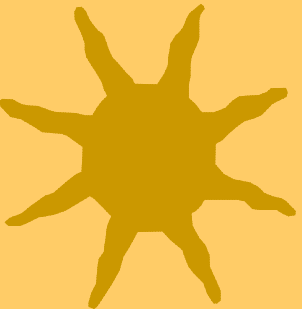
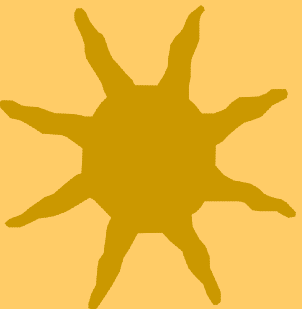
Courses Needed – STAPPA Survey



Course	Status	Completed
Introduction to Hazardous Air Pollutants (APTI 400)	Needs Updating	
VOC Control Devices (CARB 284)	Scheduled	April 2005
Rutgers Area Source MACT Training	Scheduled	June 2005
Principles and Practice of Air Pollution Control (APTI 452)	Did CARB 100	February 2005
Control of Particulate Emissions (APTI 413)	Possible 2006	
Industrial Boilers (CARB 273)	Scheduled	June 2005
Rutgers NO_x Emission Control	Scheduled	March 2005
Control of Gaseous Emissions (APTI 415)	Scheduled	August 2005



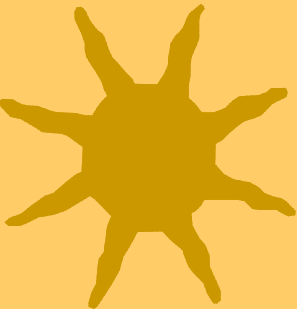
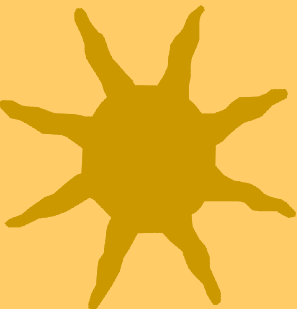
Courses Needed – STAPPA Survey



Course	Status	Dates
Control of NOx Emissions (APTI 418)	Possible 2006	
Intermediate Permitting (APTI 461)	Needs Updating	
Rutgers Fundamentals of Environmental Compliance Inspection	Used CARB 100	February 2005
Advanced Inspection Techniques (APTI 455)	Possible 2006	
Rutgers Combustion Source Inspection	Completed	September 2003
Hot Mix Asphalt Facilities (CARB)	Completed	June 2004
Concrete Batch Plants (CARB 244)	Completed	June 2004
Aggregate Plants (CARB 243)	Completed	June 2004



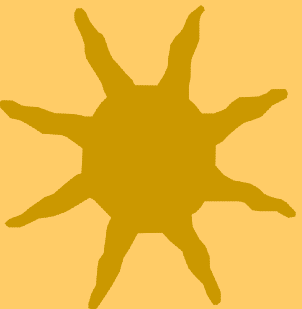
FY 2006 – Preliminary Plan



- ★ Full funding of \$145,800
 - CARB 100
 - Rutgers CAM (2 days) – requested by states
 - 4 days additional Rutgers days to be determined
 - CARB 200 - to be determined
 - CARB Permitting or NSR
 - Stack testing course taught by PA DEP
 - APTI Course - to be determined
 - Risk Assessment for Air Toxics Course



Risk Assessment Course



- ★ Developed for EPA by Brains at Work, Inc.
- ★ 2003 - EPA held a train the trainer workshop
- ★ MARAMA supported attendance of 3 members
 - Attendees would present course for MARAMA agencies
- ★ On Evaluations:
 - Great Course! Well thought-out and interactive.
 - The instructors did a good job. The workshop was very well organized.

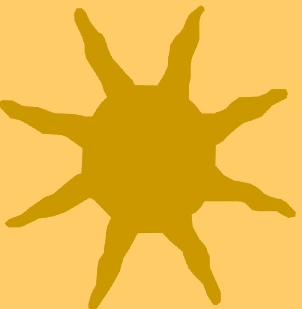


Lessons Learned



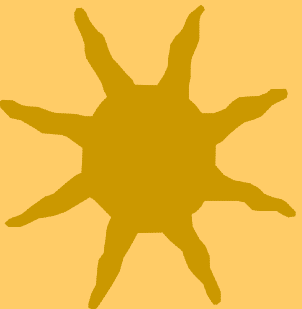
★ Train-the-Trainer – a viable approach

- Importance and use
- Teaching instructors



★ Instructors Manual Important

- Extremely detailed and includes dialogue



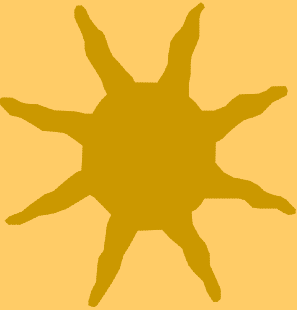
★ MACT Course: HON, Polymer Resin & MON
Overview – our first attempt

- Have Materials, no instructor
- Instructors manual available, but not comprehensive

★ Plan to use train-the-trainer model for future
classroom developments.

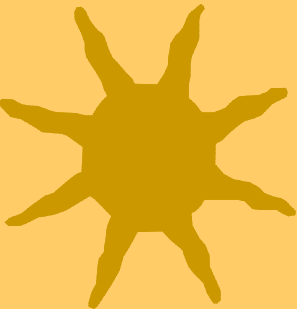


Course/Workshop Development



★ Regional Air Quality Course

- Begin work in FY 2005
- Member Committee
- Develop and offer Train-the-Trainer course
- Present initial course





Already Available:



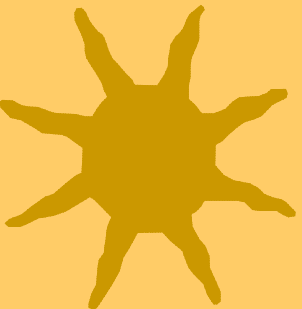
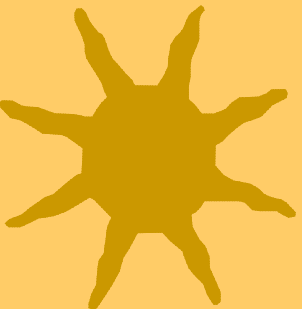
★ In conjunction with Rutgers ACC:

– Developed

- Area Source MACT (Level IV) – 2000
- Surface Coating Sampling, Transport, and VOC Content Calculations (Level IV) – 2003-2004

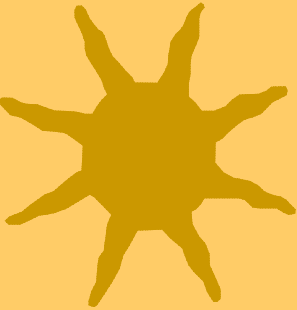
– Revised

- Advanced NO_x Emission Control (Level IV)-2001





Already Available



★ Additional Courses:

- PM2.5 Emission Inventory – 2002
 - Pechan
- NO_y Monitoring – 2002
 - Kristen Hallock-Waters
- MACT Training: HON, Polymer Resin, and MON Overview – 2003-2004
 - Brenda Shine, North State Engineering

