

# MARAMA

Mid-Atlantic  
Regional Air  
Management  
Association



Delaware Dept. of Natural Resources and Environmental Control, Air Quality Mgt. Section.  
North Carolina Dept. of Environment and Natural Resources, Division of Air Quality  
Virginia Dept. of Environmental Quality, Division of Air Program Coordination  
New Jersey Dept. of Environmental Protection, Division of Air Quality  
West Virginia Dept. of Environmental Protection, Division of Air Quality  
Pennsylvania Dept. of Environmental Protection, Bureau of Air Quality  
Maryland Dept. of the Environment, Air & Radiation Mgt. Admin.  
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## MARAMA CLASS I AREA MODELING INITIATIVE

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**PURPOSE:** The purpose of this initiative was to develop a unified system of input data for CALPUFF model runs for Class I Areas. The system would consist of an inventory (actual emissions for operating facilities and permitted allowable emissions for proposed facilities), set modeling domains, and selected meteorological (met) data set(s). It would entail the use of four domains to covering the Class I areas in MARAMA Region, and updating the met data every 5 years.

### WHAT HAS BEEN DONE:

- In July 2002 the MARAMA Board gave an approval to go ahead with a demonstration study for Brigantine.
- In May 2002 MARAMA sent a Technical Issues and Recommendations letter to FLMs. We received a combined final response from NPS, F&WS and FS in November 2002.
- There was a substantial delay in obtaining promised met files from US F&WS to start modeling.
- Dr. Peter Mayes and Alan Dresser of NJ completed their initial modeling effort (Class I Impact Analysis for Brigantine National Wildlife Refuge) and shared it with the group in August 2004.
- MARAMA held several conference calls in fall 2004 to review the report and discuss next steps.
- The group was unable to reach a consensus on how to proceed with a regional effort.
- The MARAMA Modeling Committee discussed next steps at their meeting in February 2005.

### CONCLUSION of the REGIONAL EFFORT:

- Scale back the project, dropping the expectation that similar work would be done for other Class I areas in MARAMA, but continue with the Brigantine effort.
  - NJ modelers will continue to work with the neighboring states and FLMs in improving the inventory and receptor system used for the effort.
- Draft a letter to be sent to FLMs informing them of the project status and approach.

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