

Air Quality Modeling Emissions Inventory Review Tool

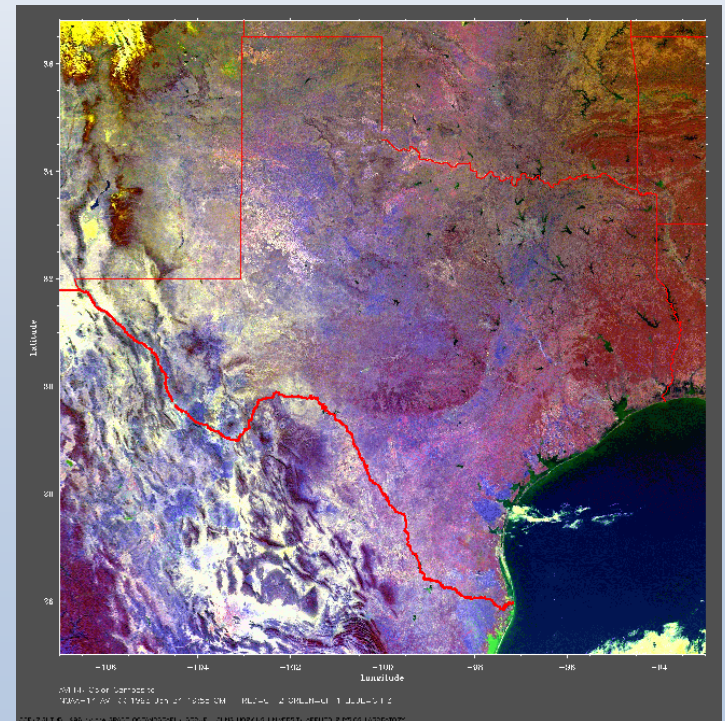
prepared for

**Southeast Texas
Photochemical Modeling
Technical Committee**

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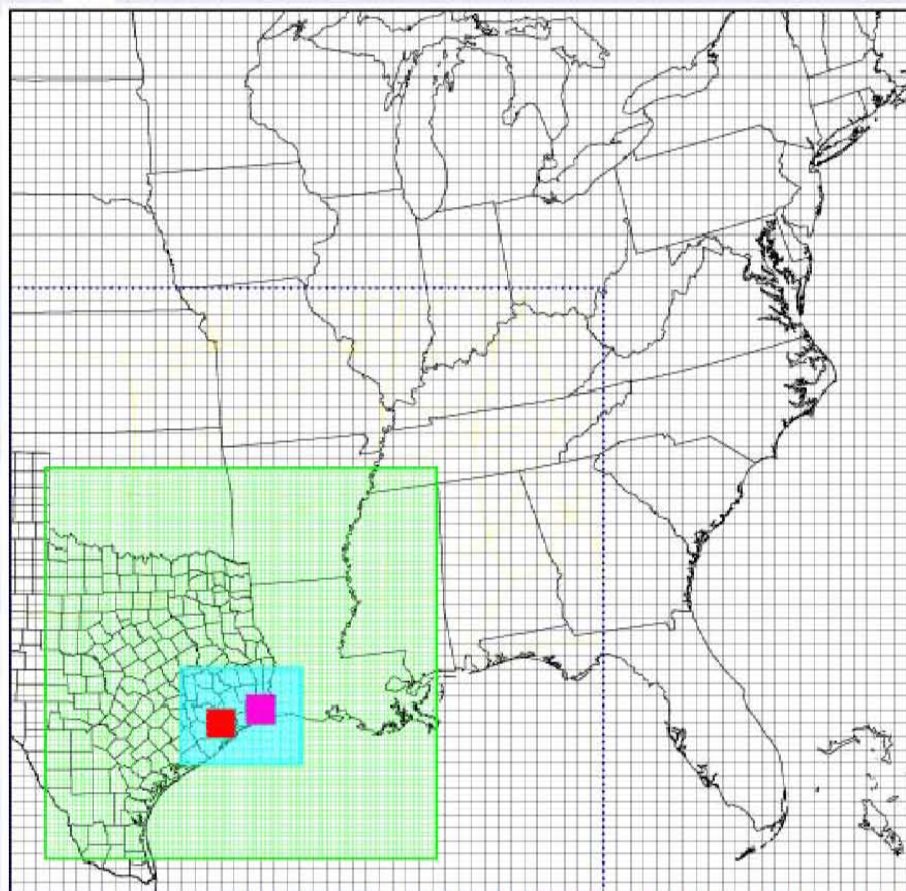
23 April '08



36/12/4/2 km Grids



HGB CAMx Modeling Domain



East US (8-Hour) Regional (1-Hour, MCR) East Texas HGB BPA

The Emissions Inventory Review Process

- For the most part, the emissions inventory is reviewed almost exclusively by the regulatory staff
- Certainly there are situations where industry reviews its own emissions estimates, but this usually entails only a review of a single facility's emissions before the estimates are modeled
- Rarely are the emissions presented for review after the emissions are modeled
- Further, when the emissions are presented for review after the modeling process is complete, they are seldom presented in a form conducive for review
- In addition, the point source emissions are almost exclusively presented without context to other categories of emissions (e.g., area sources, nonroad mobile sources, on-road mobile sources, biogenics)

Development of the Emissions Inventory Review Tool

- Excel workbook with associated Visual Basic macros
- Provides the following capabilities
 - Ingest SMOKE emissions reports
 - Prepare canned emissions summary reports
 - Mechanism to produce ad-hoc reports of emissions
- This tool puts in the hands of a lay-person the ability to review the air quality model ready emissions estimates!
- More “eyes” will now be able to scrutinize the emissions inventory!

