



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

ARGEO PAUL CELLUCCI
Governor

TRUDY COXE
Secretary

DAVID B. STRUHS
Commissioner

August 27, 1997

Linda M. Murphy, Director
Office of Ecosystem Protection
U.S. Environmental Protection Agency
Region I
JFK Federal Building
Boston, Massachusetts 02203

Dear Ms. Murphy:

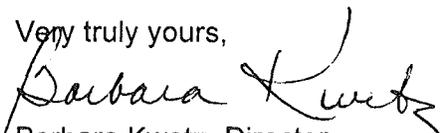
I am writing to request that the EPA approve the use of CALGRID for ozone attainment demonstrations required under the Clean Air Act.

As you know, the Massachusetts Department of Environmental Protection (DEP) is the lead for the modeling of the New England Domain. DEP modeling staff, as well as their counterparts in Maine and New Hampshire, advocate the use of the CALGRID model for ozone attainment demonstrations. Enclosed is a report entitled *Photochemical Grid Modeling of Four High Ozone Episodes in the New England Domain: CALGRID vs. UAM-IV*, dated August 1997. The modeling results contained in the report clearly indicate that CALGRID performance is superior to UAM-IV, particularly in Southern Maine and New Hampshire, where many ozone exceedances have been attributed to emissions from sources within the New England Domain.

Also enclosed is a technical memorandum entitled *Technical Justification for CALGRID as an Alternative to the UAM-IV Model in the New England Domain*, dated August 1997, and copies of the user guides for CALGRID. The CALGRID model employs the same isoprene chemistry code as that recently used for UAMV for OTAG modeling runs, and uses BEIS2 to generate biogenic emissions.

Given time and resource constraints, we plan to proceed with our attainment modeling efforts using CALGRID. If you anticipate any problems with this tack, please contact me immediately; otherwise, we look forward to a formal response to this request in the near future. Thank you for your attention to this matter. If you have any questions, please contact Steve Dennis of my staff at 292-5766.

Very truly yours,


Barbara Kwetz, Director
Division of Planning and Evaluation

enclosures

cc: D.Conroy, US EPA, Region I
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