



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I

JOHN F. KENNEDY FEDERAL BUILDING
BOSTON, MASSACHUSETTS 02203-0001

March 24, 1997

COPY

Ms. Barbara Kwetz
Director, Division of Air Quality Control
Massachusetts DEP
One Winter Street, 7th Floor
Boston, MA 02108

Dear Ms. Kwetz:

Region 1 and OAQPS have discussed the contents of your letter to Joe Tikvart dated February 12, 1997. OAQPS asked me to respond. Please understand that this letter does not constitute formal approval of CALGRID as a substitute for UAM-IV for purposes of an attainment demonstration. Massachusetts needs to submit its completed modeling demonstration before the issue of approval will be examined.

We agree with Massachusetts DEP's technical bases for using a $1 \text{ m}^2/\text{s}$ eddy diffusivity and the use of BEIS2 with CALGRID if it is updated to employ the isoprene chemistry currently used in UAM-V. In response to the question regarding biogenic emissions input to UAM-IV, we continue to recommend the use of BEIS1.

When Massachusetts submits its demonstration, we would expect comparisons between UAM-IV and CALGRID for at least 3 episodes. All episodes should use the same combination of model chemistry and biogenic emissions (i.e., all of the CALGRID runs should use the updated chemistry and BEIS2 and all of the UAM-IV runs should use the original chemistry and BEIS1).

If you or your staff have any questions, please contact myself at 565-3245 or Ian Cohen at 565-3568.

Sincerely,

David B. Conroy, Manager
Air Quality Planning Unit

cc: Steve Dennis, MA DEP
Ellen Baldrige, OAQPS



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