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Category: 54 – Clean Up Solvents

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

SUBJECT: Inclusion of Miscellaneous Solvent Evaporation VOC
Emissions in Nonattainment Inventories

DATE: 12/27/79

FROM: Richard G. Rhoads, Director
Control Programs Development Division (MD-15)

TO: Air Branch Chief, Regions I - X

Because of Regional inconsistency problems, it has come to our attention that certain volatile organic compound (VOC) emission inventories developed for oxidant control strategies have not adequately considered miscellaneous solvent evaporation losses which are generally classified in inventories as "other solvent use." In some areas, these emissions can constitute as much as twenty percent of all stationary source emissions. Since this category may have a significant impact upon the resultant control strategy requirements, I ask that you carefully review all VOC inventories and strategies to determine if this category is adequately addressed. At this point in the SIP revision process, we are not asking that inventories and strategies for the old oxidant standard be redone; however, in cases where States are making revisions addressing the new ozone standard, an estimate of this category must be made.

Current Agency guidance recommends as a crude estimator an emission factor of 24 lb VOC/capita/year.¹ Since the magnitude of this value is currently undergoing review, in order to assure Regional consistency as well as an accounting of this category, we recommend that all States use a factor of 8 lb VOC/capita/year for "other solvent use."

If you have questions or desire additional information, please contact Susi Jackson (629-5365).

¹ Procedures for the Preparation of Emission Inventories for Organic Compounds, Vol. I (EPA-450/2-27-028), p. 5.2-9.