



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
324 EAST ELEVENTH STREET
KANSAS CITY, MISSOURI - 64106

February 15, 1984

MEMORANDUM

SUBJECT: Region VII Use of MPTERU for St. Louis
Municipal Incinerators

FROM: Carl M. Walter *Carl M. Walter*
Chief, Air Branch

TO: Joseph A. Tikvart
Chief, Source Receptor Analysis Branch (MD-14)

This memo is a follow-up to Mr. Richard L. Daye's conversation with Mr. Dean Wilson on February 13, 1984, regarding the urban/rural classification of St. Louis with respect to our incinerator analysis (discussed in my memo of January 25, 1984). We have determined that the incinerators are located in "urban" areas according to Auer's method in Section 6.2.5 of "Regional Workshops on Air Quality Modeling: A Summary Report" (April 1981). For both the north and south facilities, over 50% of the area within a three kilometer radius consists of land use types I1, I2, C1, C2, and R3. The determination was based on our examination of U.S.G.S. topographic maps and consultation with a staff engineer who is familiar with the area. As an additional note, the maximum and high, second-highest concentrations from both incinerators occurred in either compact residential (R3), commercial (C1), or light-moderate industrial (I2) areas.