

SPECIATE – EPA’s Database of Speciated Emission Profiles

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Wednesday May 7, 2008 – 1:00 pm EST

This course will provide an overview of EPA’s Database of Speciated Emission Profiles. SPECIATE is the U.S. Environmental Protection Agency’s repository of total organic compound (TOC) and particulate matter (PM) speciation profiles for emissions from air pollution sources. The database has recently been updated and an associated report has been released. Among the many uses of speciation data, these source profiles are used to:

- 1) create speciated emissions inventories for regional haze, particulate matter with an aerodynamic diameter less than 2.5 micrometers (PM_{2.5}), and ozone (O₃) air quality modeling;
- 2) estimate hazardous and toxic air pollutant emissions from total PM and TOC primary emissions; and
- 3) provide input to chemical mass balance (CMB) receptor models.

Participants will learn how to access SPECIATE from the EPA website and will be given examples of data sets that can be generated using the database. Questions will be answered during the course, by follow-up email, or by phone contact.

The SPECIATE database, documentation, and related data can be accessed at <http://www.epa.gov/ttn/chief/software/speciate/index.html>