

MARAMA

**Mid-Atlantic
Regional Air
Management
Association**



Delaware Dept. of Natural Resources and Environmental Control, Air Quality Mgt. Section.
North Carolina Dept. of Environment and Natural Resources, Division of Air Quality
Virginia Dept. of Environmental Quality, Division of Air Program Coordination
New Jersey Dept. of Environmental Protection, Office of Air Quality Mgt.
West Virginia Dept. of Environmental Protection, Division of Air Quality
Pennsylvania Dept. of Environmental Protection, Bureau of Air Quality
Maryland Dept. of the Environment, Air & Radiation Mgt. Admin.
Allegheny Co. Pennsylvania Health Dept., Air Quality Program
Philadelphia Dept. of Public Health, Air Management Services
District of Columbia Dept. of Health, Air Quality Division

711 West 40th Street, Suite 312 ~ Baltimore, MD 21211-2109

Phone 410.467.0170 ~ Fax 410.467.177 ~ www.marama.org

CALCULATION SHEET DEVELOPMENT PROJECT JANUARY 2004

PURPOSE: The purpose of this project is to document methods for calculating 2002 emissions for select mobile and area source categories. Originally, this project was to be completed by a contractor under the Emissions Inventory Development Contract, but the contractor provided a cost estimate that exceeded the available budget and was rejected by the work group. Currently, MARAMA is preparing calculation sheets, providing detailed instructions on how to use the calculation method, for the following source categories and pollutants:

Area Source Categories

Agricultural Production – Livestock – Cattle, Hogs, Poultry, and Other (NH₃)
Agricultural Production – Crops – Tilling (PM₁₀, PM_{2.5})
Agricultural Production – Crops – Fertilizer Application (NH₃)
Fugitive Dust – Construction (PM₁₀, PM_{2.5})
Fugitive Dust – Paved Roads (PM₁₀, PM_{2.5})
Fugitive Dust – Unpaved Roads (PM₁₀, PM_{2.5})
Fugitive Dust – Industrial – Mining and Quarrying (PM₁₀)
On-site Incineration – Waste Disposal, Treatment, Recovery (PM_{2.5})
Open Burning – Residential Household and Yard Waste (PM₁₀, PM_{2.5})
Open Burning – Land Clearing Debris (PM_{2.5})
Stationary Source Fuel Combustion – Commercial/Institutional (SO₂)
Stationary Source Fuel Combustion – Industrial (SO₂)
Stationary Source Fuel Combustion – Residential (SO₂)
Wastewater Treatment (NH₃)

Non-road Categories

Aircraft (PM₁₀, PM_{2.5}, NH₃, SO₂)
Commercial Marine (PM₁₀, PM_{2.5}, NH₃, SO₂)
Locomotives (PM₁₀, PM_{2.5}, NH₃, SO₂)

SCHEDULE: This project will be completed in February 2004.

TECHNICAL OVERSIGHT COMMITTEE: Sample calculation sheets have been provided by New Jersey and Maryland.

CONTACT INFORMATION:

Megan Schuster, MARAMA, mschuster@marama.org, 410-467-0170