

Emissions Module

Read gas species from one offline gridded file (1 and only 1 file)

Apply user-directed scaling and hard-coded transforms (e.g., SULF → ASO4; OC + NCOM → SVPOA)

Convert units to ppmv/s

Read and map Biogenic vapors

Convert Biogenic vapor emissions to ppmv/s

Read and map Marine Gas emissions

Convert Marine Gas emissions to ppmv/s

Read and map Nitric Oxide from Lightning

Read multiple offline point gas emissions; apply user-directed scaling inside offline point module.

Convert point units to ppmv/s

Read offline point and offline gridded aerosol emissions, wind-blown dust, and sea spray. Apply fixed size distribution. Apply user-directed scaling.

Adjust fertilizer ammonia emissions if bidirectional ammonia feature is activated.

CMAQv5.2.1
and previous
versions

Vertical
Dispersion
Solver
(VDIFF)

