



BLUE SKY
MODELING.LLC
AIR UNDERSTOOD

MODELING FOR THE STEEL INDUSTRY

Blue Sky Modeling, LLC (BSM) specializes in air quality modeling. We combine decades of worldwide modeling expertise with the flexibility of a small firm to bring unparalleled service and response to our clients.

BSM is keenly focused on the steel industry. The renewed emphasis on infrastructure improvements and overall strength of the economy requires the steel industry to grow to meet the increased demand. This can leave facilities facing difficult modeling issues as air permitting requirements become more onerous.

BSM has extensive experience in solving complex issues in this area. For example, BSM has worked with our clients on determining how to represent emissions from hot roof vents in a manner that is both defensible and advantageous. BSM has also developed $PM_{2.5}$ background concentrations (often the most challenging pollutant for a steel mill) to allow for as much modeling flexibility as possible. Modeling, and PSD modeling in particular, is as much an art as it is a technical science. BSM helps its clients maximize its permitting potential.

Beyond the typical Class I and II modeling analyses for PSD permitting, we have found the steel industry to have a deep understanding that modeling is a tool to be used to support its business objectives. When making multimillion-dollar decisions, knowledge is power—and modeling can provide that knowledge. Examples of “what if” modeling analyses we have conducted include:

- Does the purchase of a nearby parcel provide a meaningful buffer for modeled concentrations?
- Do initial relocation plans have any modeling “fatal flaws” before investing significant capital in engineering and permitting?
- Would an increase in production or the addition of new equipment cause any issues with modeled compliance?

BSM separates itself from other modelers in our responsiveness and cost-effectiveness. We have the experience of the large consulting firms but we’re far more streamlined, allowing BSM to be exceptionally nimble in our response and to help make modeling work for you.

