



Rosemont Copper Project, Coronado National Forest Environmental Impact Statement

Air Quality

Modeling Methodology and Results for Outdoor Levels of Air Pollutants

Environmental Protection Agency Models

- » AERMOD for near-field analysis (up to 50 kilometers)
- » CALPUFF for far-field analysis (long-range transport)
- » VISCREEN for effects of emissions to visibility

Pollutant Sources

- » Vehicles and heavy equipment mining operations
- » Waste rock and tailings placement and storage
- » Major processing operations
- » Secondary processing operations
- » Fugitive dust

Background levels of PM₁₀ (particulate matter ≤10 microns in diameter)

Arizona Department of Environmental Quality Recommended Values

- » NO₂ (nitrogen dioxide)
- » CO (carbon monoxide)
- » SO₂ (sulfur dioxide)

Pima County and Arizona Air Quality Data

On-site Meteorological Monitoring Data

