

Description of Methods and Sources Used in Preparing the Fact Sheets
MSB Energy Associates for the Clean Air Task Force

Page 1

1. The number of power plants given on page 1 includes plants which either have burned coal in the most recent years or are equipped to burn coal and have some chance of burning coal in the near future.
2. Total reported releases on page 1 come from the tables on page 2 and are the totals of the various pollutants shown there.
3. Ozone non-attainment areas are from the Environmental Protection Agency's January 15, 2002 "Green Book" of non-attainment areas. These are areas in non-attainment under the one hour standards.
4. Exposures within 30 miles of a coal-fired plant (total population, number of children, children in poverty, children with asthma) are based on proximity to plants which burned some coal in 1999.

Page 2

1. Plants for which data are provided on page 2 include those plants which burned coal and for which emissions data were available for 2000. For some states there are fewer plants listed on page 2 than the total number of coal-fired plants given on page 1. This is because some plants may not have burned coal in 2000, or emissions data were not available.
2. SO₂, NO_x, and CO₂ releases are from the EPA's Continuous Emissions Monitoring System, while the other air emissions are calculated using emission rates and heat input.
3. Land and water releases come from the Toxics Release Inventory and from the Clean Air Network 1998 data.

Page 3

1. The 30 mile radius exposure profiles were prepared for plants which emitted either greater than 1000 tons of SO₂ or greater than 1000 tons of NO_x. As a result, the number of plants shown on page 3 may be less than on either page 1 or page 2. The cutoff was used because exposure profiles had to be calculated plant-by-plant and census tract by census tract, and the data were too voluminous to calculate for the plants with lower emissions.
2. Population data was based on 1997 U.S. Census estimates. Asthma data came from the American Lung Association, "Estimated Prevalences and Incidence of Lung Disease by Lung Association Territory, 2001 (data are for 1998).