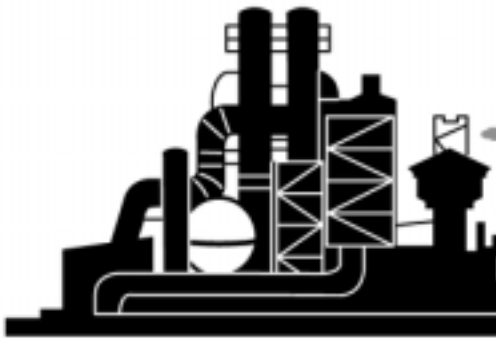


Emissions Inventory for the Proposed 780 MW Roundup Power Plant



<u>Regulated Pollutant</u>	<u>Tons per Year</u>
PM-10	508.4
SO2	3,939.1
NOx	2,328.5
VOC	98.64
CO	4,917.3
HAPs	90.48
Pb	0.2

Source: DEQ Record of Decision, January 31, 2003

GREENHOUSE GAS

CO2 8,199,803 tons per year

When compared with Montana's 1990 total statewide emissions of carbon dioxide (30,902,300 tons), this figure represents an increase of 27%!

Source: Draft EIS, November 15, 2002

Source: Montana Greenhouse Gas Emissions Inventory, Montana DEQ, January 1997, p. 31 & p. 70

CO2 emission rate 2,496 lb/MWh

For comparison, a combined cycle natural gas fired power plant has an emission rate of only 875 lb/MWh. And the U.S. average CO2 emission rate for coal-fired power plants is only 2,090 lb/MWh.

Source: Draft EIS, November 15, 2002

Source: NW Energy Coalition Report, July 2001

CLEANEST IN THE COUNTRY?

The developer of the Roundup Power Project has described the plant as being the cleanest in the country. In fact, conventional coal-fired technology is the dirtiest method for producing electricity, producing more air pollution per unit of energy than any other process – across a wide range of pollutants (including sulfur dioxide, nitrogen oxides, carbon dioxide, and mercury). Even compared to similar plants, Roundup performs poorly. The Roundup plant would have a SO2 emission rate of 0.15 lb/MMBtu whereas the WYGEN 2 plant in Wyoming has a rate of 0.1 lb/MMBtu and the Deseret plant in Utah has a rate of only 0.07 lb/MMBtu. Similarly, the Roundup plant would have a PM emission rate of 0.015 lb/MMBtu compared with 0.012 lb/MMBtu at WYGEN 2 and 0.01 lb/MMBtu at both the Firestone plant in Illinois and the Northampton plant in Pennsylvania. Of course, the production of energy by renewable energy sources such as wind and solar does not release any pollutants to the environment.