









A few more facts about "Midtown"

- 10 schools within one mile
- 3 health care facilities within one mile
- Existing air polluters within one mile include 2 asphalt plants, one power plant, and 5 others

Sources of harmful air pollution from the proposal

- The smokestack (obviously) One million pounds per year
- "Fugitive emissions"—dust and odors from storing and processing the wastes to be burned
- Diesel exhaust from trucks hauling the wastes in and the ashes out

Other Impacts on community Noise Wear and tear on roads Property values and sense of community Taxpayer & Ratepayer subsidies divert spending from weatherization programs, solar, heating system upgrades, energy assistance—other spending that DOES benefit community

Why Say "NO?" Pollution/health damage Harm to property values and sense of community Few if any benefits to local residents





What comes out of incinerator smokestacks?

 "Incinerator emissions are a major source of fine particulates, of toxic metals and of more than 200 organic compounds, including known carcinogens, mutagens, and hormone disruptors." (Ecomed report)

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More: • "Emissions also contain other unidentified compounds whose potential for harm is as yet unknown, as was once the case with dioxins."

More ... • "Present safety measures are designed to avoid acute toxic effects in the immediate neighborhood, but ignore the fact that many of the pollutants bioaccumulate, can enter the food chain and cause chronic illnesses over time and over a much wide geographical area."

Back to the Foth report

- "Air dispersion modeling is the primary predictive tool used by regulatory agencies for evaluating air impacts ...uses emission rate stack height" (Sec. 9.1.3)
- In other words "the solution to pollution is dilution." (a taller smokestack!)





Regulating air pollutants

- "Pollution is legal"
- This proposal would put out about a million pounds per year NOT including carbon dioxide
- Laws and regulations call for controlling but not preventing harm

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Permitting and enforcement is mostly delegated to the states, in this case the Minnesota Pollution Control Agency

 States can be stricter but not more lenient with polluters than Federal laws and regulations require

















Environmental controls too expensive?

- No emission controls are required for carbon monoxide and sulfur dioxide
- "Midtown claims equipment to control these emissions would not be "cost effective." MPCA concurs.
- Annual cost of CO controls \$2 million
- Annual cost of SO2 controls \$2.1 million

"Air Emissions Risk Analysis"

- Tries to evaluate "cancer" and "non-cancer health risks from a project
- MPCA claims risks are acceptable but admits that "some households may experience risk from growing and consuming local food...)

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Let's go back to the doctors' report

• "Two large cohort studies in America have shown that fine particulate (PM 2.5) pollution causes increases in all-cause mortality,cardiac mortality, and mortality from lung cancer, after adjustment for other factors."





More ...

 "Higher levels of fine particulates have been associated with an increased prevalence of asthma and COPD."

There is NO safe level of pollutants Staying below the NAAQS does NOT protect your health Any increase in air pollution, even from a low level, will cause an increase in disease and death The regulatory process is based on false assumptions



More from the doctors:

 "Fine particles formed in incinerators in the presence of toxic metals and organic toxins (including those known to be carcinogens), absorb these pollutants and carry them into the bloodstream and into the cells of the body."





Garbage vs. "Biomass"

- Is "clean biomass" safe?
- How clean is it in practice?
- Probably fewer toxic emissions (dioxin, metals ...)
- But particulate emissions -the leading health hazard--will be similar
- And regulations looser.....

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Minnesota "waste combustor" rules

 A "biomass" burner is allowed to burn 30 percent "RDF" (essentially, garbage) without being permitted as an RDF burner.









Communities can win!: • Hundreds of burner schemes have been defeated • Informed communities usually win • Corrupt and anti-democratic practices favor the burn

• Empowered communities favor recycling ("Zero Waste")