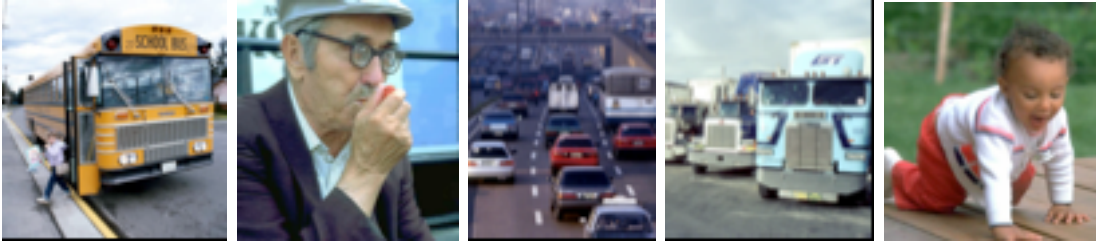


## Air Pollution-Diesel Reduction Project



<b>Intern Position:</b>	Project development
<b>Start date:</b>	Fall 2009 to 2010
<b>Time Commitment:</b>	Flexible - minimum 4 hours per week
<b>Schedule:</b>	Flexible
<b>Pay Rate:</b>	No stipend/Volunteer

### Skills Needed:

- Enthusiastic & energetic
- Good writing/research skills
- Macintosh literate/able to learn
- Self-motivated & creative
- General office skills
- Planning/organizing skills
- Responsible & flexible
- General environmental knowledge

### Project Development:

- Develop and coordinate community outreach efforts
- Coordinate web outreach and other outreach media

### Background:

Diesel engines power most heavy duty trucks, transit and school buses, trains, construction equipment, and even ships in our area. Older diesel engines, and particularly those that run on high sulfur fuels, create excessive amounts of nitrogen oxides (NO<sub>x</sub> - a precursor to ozone) as well as particulate matter (called PM) emissions. Diesel engines emit more particulate matter than gasoline engines.

Diesel pollution is often emitted close to where people live and work. These emissions are released at ground level and are suspended in the air. This pollution gets into our bodies when we breathe. Particulate matter is deposited deep into the lungs and some fine particulate matter can directly enter the bloodstream.

Diesel exhaust includes harmful particles. These particles are hazardous and have the potential to cause:

- Cancer - 395 times increased risk in Cleveland over US EPA levels
- Chronic bronchitis and other respiratory symptoms
- Lung disease (lung cancer) and decreased lung function in children
- Premature death from heart and lung diseases
- Emphysema and shortness of breath
- Heart disease - pulmonary and cardiovascular

Policies and technology exists to clean up diesel soot emissions. Most of the adverse health impacts from exposure to diesel emissions can be prevented. In fact, it is estimated that the health care cost savings would vastly exceed the costs to clean up the emissions. You can help clean the air!



For more information contact:

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