

US EPA ARCHIVE DOCUMENT

What is Involved?

Study participants will be asked to participate for 5 days in a row during the summer and again during the winter. You will, however, need to be available the day before and the day after sampling for equipment setup and takedown. You will be asked to participate for 10 days during a one year period.

What Will I Receive?

You will be paid the following amounts for your participation:

Summer: \$20 per day (for up to 5 days) plus \$5 per day for use of your electricity, for a total of \$125.

Winter: \$30 per day (for up to 5 days) plus \$5 per day for the use of your electricity for a total of \$175.

Study participants who participate in both the summer and winter seasons will receive up to \$250. Participants will also receive a \$50 gift certificate from the recruiter upon completion of the first day of sampling in each season.

Can I Get a Copy of My Results?

We will provide you with a summary of your results. This information will be provided to you in writing following the end of each monitoring season.

Partners

We wish to thank the following groups for their participation in this valuable study:

- U.S. EPA's National Exposure Research Laboratory, Research Triangle Park, NC
- Michigan Department of Environmental Quality, Detroit, MI
- U.S. EPA's Office of Transportation and Air Quality, Ann Arbor, MI
- U.S. EPA's National Health and Environmental Effects Laboratory, Research Triangle Park, NC
- RTI International, Research Triangle Park, NC
- ACCESS Community Health Organization, Dearborn, MI

And a special thanks to all our partners.

We expect to have preliminary results from the study by 2007.

United States
Environmental Protection
Agency

July 2005

National Exposure Research Laboratory (NERL)



Detroit Exposure and Aerosol Research Study (DEARS)



Summer & Winter 2004 - 2007

For More Information, Contact:

Mike Phillips, RTI
1-800-334-8571, ext. 6276
or

Ron Williams, USEPA
1-866-372-3327
or

the DEARS study website:
www.epa.gov/dears

Why is the U.S. EPA Studying Detroit's Air Quality?

The U.S. EPA is conducting the Detroit Exposure and Aerosol Research Study. EPA performs research to protect human health and the environment. In order for EPA to develop the best air quality standards to make the air safe, we need to understand what is in the air that you breathe.

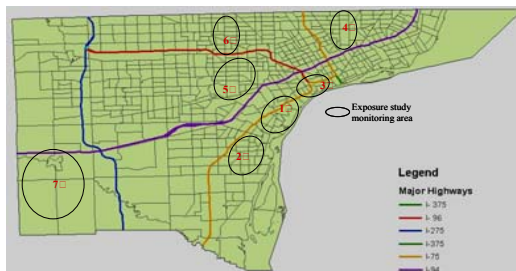
What Kind of Study is It?

This study involves three-years of air monitoring in Detroit, Michigan. A total of 120 people will be selected from seven areas in Detroit that we believe are impacted by different types of air pollution sources.

Results from the study will show how local sources of pollution impact the air that you breathe.

Up to Seven Monitoring Areas

¹Southwest Detroit, ²River Rouge, ³Ambassador Bridge, ⁴East Detroit, ⁵Dearborn, ⁶West Detroit, ⁷Belleville



Who is Eligible to Participate?

Participant selection will begin in June and July of 2005. Only 40 participants will be selected per year.

To be selected, you must be:

- 18 years or older and live in one of the seven monitoring areas
- a non-smoker and live in a non-smoking household
- able to walk around unassisted
- willing to answer questions and complete surveys which will be conducted in English and Spanish
- living in the same single family and detached house for the next 12 months during the sampling period
- available for 7 days in a row for home visits between 7 and 11am.

Why Should I Participate?

The EPA needs to know how the air we monitored at select sites in the Detroit area compares to the air you are exposed to in your daily life.

As a participant in this study, you will play a critical role in helping scientists and researchers understand your community's exposure to various pollutants and where those toxic substances come from.

What Will I Be Asked to Do?

You will be asked to do four main things:

- allow scientists to place air pollution monitors inside and outside your home



- keep a short daily time-activity diary
- wear a lightweight vest with air monitoring equipment during your daily activities
- allow scientists to come into your home each morning for less than 1 hour to check the air monitors and collect information about your general daily activities (i.e. cooking, shopping, cleaning, etc.).

