



Minnesota Pollution
Control Agency

Working with Minnesotans to protect, conserve and improve our environment and enhance our quality of life.

Public Informational Meeting

Draft Air Permit
Abbott Northwestern Hospital

January 8, 2012
6:30 pm – 8:00 pm

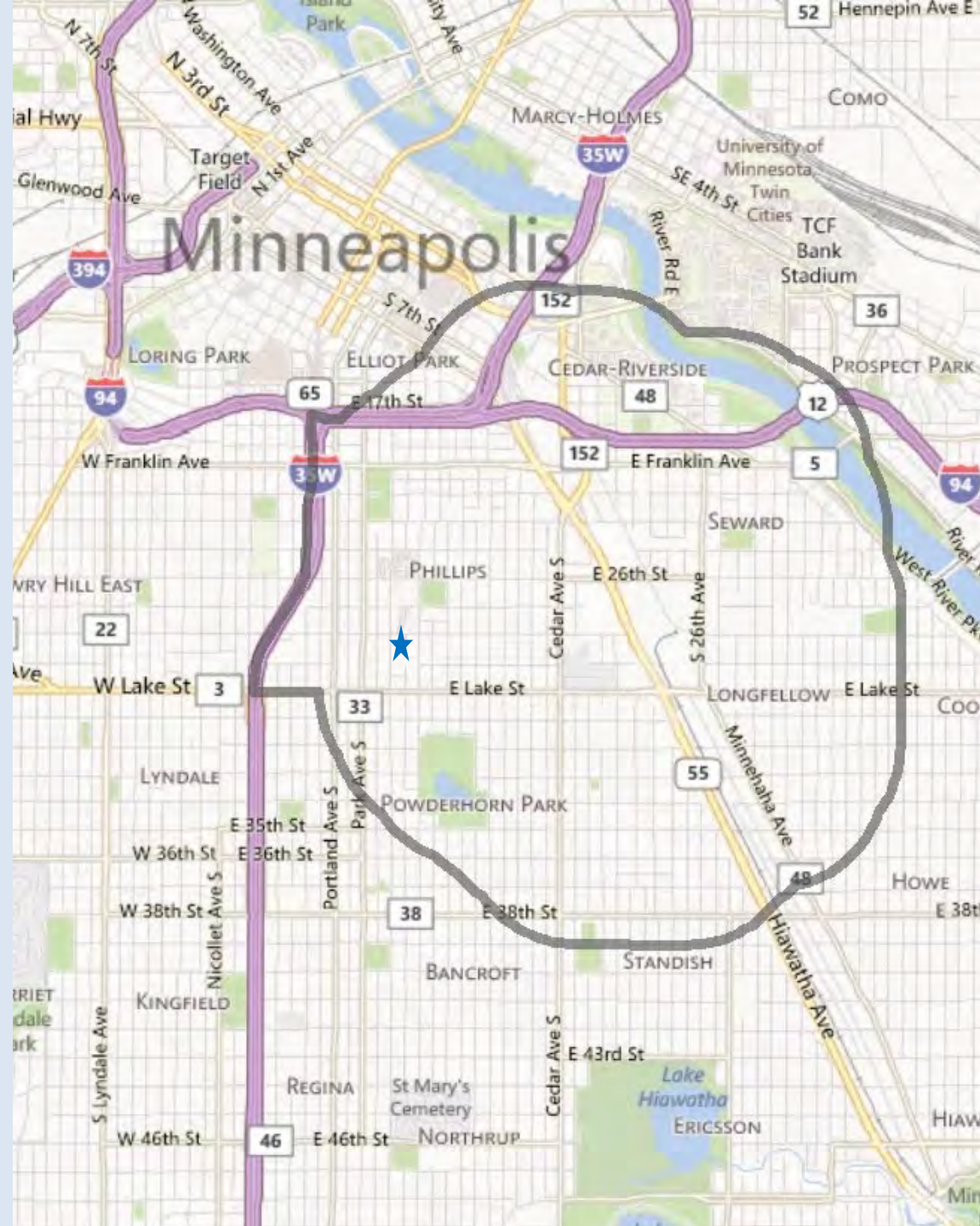


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Agenda

- Welcome
- Brief Presentation
- Question and Answer

"The agency may not issue a permit to a facility without analyzing and considering the cumulative levels and effects of past and current environmental pollution from all sources on the environment and residents..."



What are the main sources of air emissions at Abbott?

- Boilers for heating the buildings
- Generators for emergency power

What are the major changes in the draft air permit?

Current Air Permit	Draft Air Permit
Main campus boilers limited to natural gas and No. 6 fuel oil	Main Campus boilers limited to natural gas and No. 2 fuel oil
	Lab <ul style="list-style-type: none">•Boilers limited to natural gas only•Generator limited to emergency use
Allows some generators to operate in peaking program	Generators limited to emergency use

First Steps: Cumulative Levels and Effects Analysis

Computer Dispersion Modeling

New fuel, all (existing and new) equipment

Criteria pollutants and air toxics

Maximum emission rates of each pollutant

Worst case fuels, operating up to permit limits

Criteria Pollutant Results

Compare results to standards

Air Emission Risk Analysis

Compare results to guidelines/benchmarks

Facility Specific Analysis

Compare results to standards and guidelines

If above, company is required to:

- Include additional information
- Reduce emissions
- Change operations

When below, continue with analysis

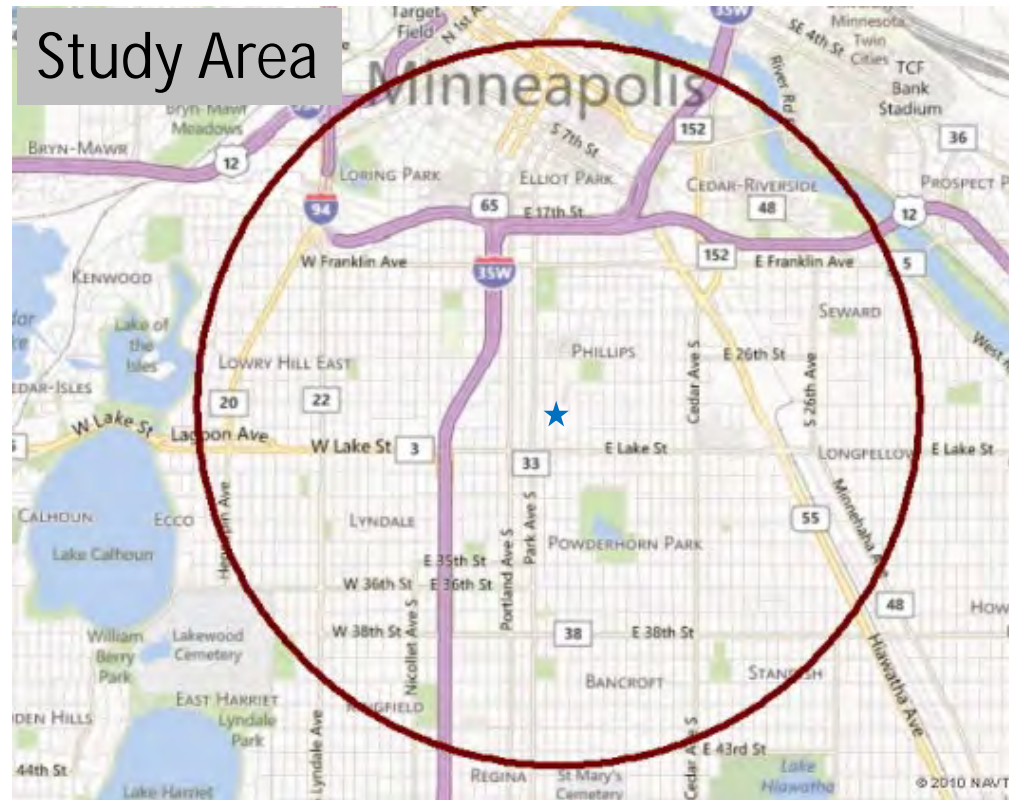
Cumulative Levels and Effects

Use air toxics risk and criteria pollutant modeling to determine:

Health Endpoints

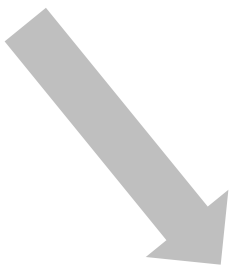
- Respiratory
- Cardiovascular

Study Area

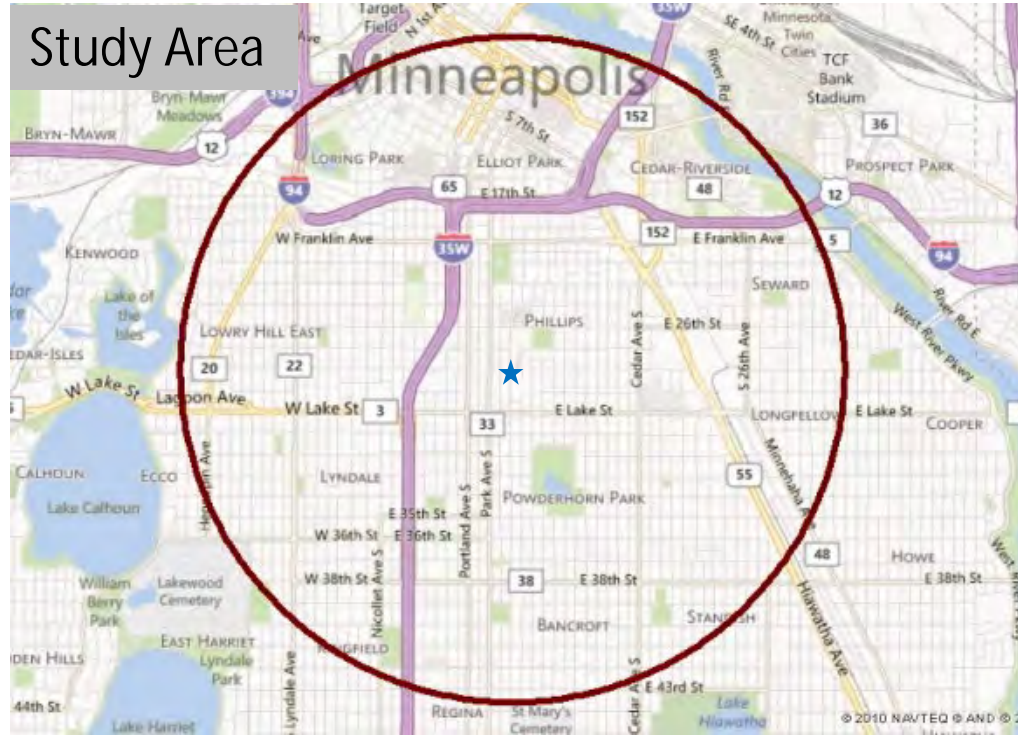


Health Endpoints

- Respiratory
- Cardiovascular



Study Area



Environmental Health Data

Traffic densities
Asthma events
Air quality alerts
Modeled pollutant concentrations/risk
Measured pollutant concentrations/risk

Poverty data
Demographics
Smoking
% Health Insured
Cardiovascular events
Nearby facilities

Results

- Abbott complies with state and federal air rules
- Below all federal and state standards
- Below all federal and state risk guidelines
- Analysis was thorough
- All relevant environmental health data included
- Analysis led to reductions in potential emissions

Public Participation

Technical Review

Draft Permit
Writing

Public Comment Period

Informal

- Information sessions
- Application available to public
- Email updates
- Suggestions from public
- Other outreach

Formal

- Public meeting
- Comments from public
- Response to comments

How do I comment?

- Must be written to be part of the formal public record
- Use the comment forms tonight
- Mail, email or fax your comments to:

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Written comments on the draft permit must be received at the MPCA Office by 4:30 p.m. on January 22, 2013.



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Questions?