

# Boeing PDX application for New Source Review Analysis of Emissions Increase



State of Oregon  
Department of  
Environmental  
Quality

## Northwest Region Air Quality

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The purpose of this notice is to invite you to an information meeting about Boeing PDX.

### DEQ's Role:

The Oregon Department of Environmental Quality (DEQ) is responsible for protecting and enhancing Oregon's water and air quality, for cleaning up spills and releases of hazardous materials, and for managing the proper disposal of hazardous and solid wastes. One way DEQ does this is by requiring permits for certain activities. DEQ issues permits to regulate the type and amount of air emissions at a regulated facility.

### Meeting details:

Date: September 20, 2007  
Time: 6:30pm  
DEQ, Northwest Region Office  
Fourth Floor, Room A/B  
2020 SW Fourth Avenue  
Portland, Oregon

Trimet bus 17 stops at the corner of Fourth and Lincoln.

Street parking is available

### What will happen at this meeting?

DEQ staff will share information about Boeing PDX's New Source Review permit application. You will have the opportunity to ask questions and provide comments.

### Where can I get background information?

The working files and a copy of the application are available  
DEQ, Northwest Region Office  
Gresham Branch  
1550 NW Eastman Pkwy, Suite 290  
Gresham, OR 97030  
To view the working file and application, schedule an appointment (503) 667-8414

### Who is the applicant?

The Boeing Company

### Where is the facility located?

Boeing PDX  
4635 NE Cornfoot Road  
Portland, OR 97218

### Who might have an interest?

People who work, live, and recreate in the area.

### How is air quality affected?

The Boeing Company paints aircraft at a facility located next to Portland International Airport. This process releases Volatile Organic Compounds (VOC) into the air from paints and cleaning solvents.

Boeing's current permit limits VOC emissions to 39 tons per year. The company has applied to have that limit reset to 99 tons per year.

### What legal requirements apply?

The authority for Oregon Administrative Rules (OAR) pertaining to air quality regulation are derived from Oregon Revised Statute 468A.040. OAR 340-224-0010 requires that a request to emit a pollutant above the Significant Emission Rate set in rule is subject to analysis for best available control technology. The Significant Emission Rate for VOC is 39 tons per year. Boeing proposes to emit up to 99 tons per year at this facility.

### Meeting air quality standards

Air quality in Portland meets the National Ambient Air Quality Standards (NAAQS) established by the US Environmental Protection Agency (EPA) to protect public health. DEQ is responsible for implementing programs and establishing permit limits that ensure air quality standards are not violated.

### What pollutants are considered in determining limits?

The permit currently contains limits on VOC from coating operations, and nitrogen oxides (NOx) and carbon monoxide (CO) from natural gas combustion (heaters). The applicant has not proposed any new processes for this facility, thus no new pollutants will be added.

EPA and DEQ use six key pollutants as indicators of air quality. These are known as "criteria pollutants" and are compounds that, if inhaled, may lead to health effects that generally aggravate cardiovascular and respiratory disease.

If the amount of criteria pollutants emitted is greater than a regulated minimum, then emission limits are established.

Hazardous air pollutants (HAPs) are compounds that, if inhaled, may pose a threat of adverse human health or environmental effects, including, for example, acute or chronic toxicity, cancer, birth defects, or reproductive dysfunction. The mere presence of these pollutants in the air does not necessarily mean that a health risk exists. EPA has established a list of 187 compounds that are classified and regulated as HAPs. If the amount of HAPs released is greater than a regulated minimum level, then additional requirements may also apply.

Boeing's application states that emissions of hazardous air pollutants will remain below levels of concern if an increase in VOC emissions is approved with the control technology proposed.

For more information about criteria pollutants, go to:

[www.deq.state.or.us/aq/forms/2005ar/2005ar.pdf](http://www.deq.state.or.us/aq/forms/2005ar/2005ar.pdf)

For more information about hazardous air pollutants, go to:

[www.epa.gov/ttn/atw/hlthef/hapindex.html](http://www.epa.gov/ttn/atw/hlthef/hapindex.html)

#### **How are the substances measured?**

VOC are calculated using a mass balance formula. NOx and CO are calculated by using a mathematical formula based on the amount of natural gas combusted.

#### **What happens after the meeting?**

The required analysis will be performed and the permit drafted in accordance with the findings. The draft permit will be available for public comment and a public hearing will be held. A notice of the hearing will be mailed at least 30 days prior to the hearing.

#### **Accessibility information**

DEQ is committed to accommodating people with disabilities. Please notify DEQ of any special physical or language accommodations or if you need information in large print, Braille or another format. To make these arrangements, contact DEQ Communications & Outreach (503) 229-5696 or toll free in Oregon at (800) 452-4011; fax to 503-229-6762; or e-mail to [deqinfo@deq.state.or.us](mailto:deqinfo@deq.state.or.us).

People with hearing impairments may call DEQ's TTY number, (local office TTY).