

Public Notice - Request for Comments

Proposed renewal of Air Quality Permit for ON Semiconductor

The purpose of this notice is to invite you to provide written comments on this proposed air quality permit renewal.

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.

Comments due:

Written comments due: 5 p.m., August 17, 2010

Where can I send my comments?

Catherine Blaine, NWR Permit Coordinator
503-229-5582
2020 SW 4th Avenue, Suite 400, Portland, OR 97201
Fax: 503-229-6945
nwraqpermits@deq.state.or.us

Where can I get technical information?

David Kauth, Environmental Engineer
503-667-8414 x55003
1550 NW Eastman Parkway, Suite 290,
Gresham, OR 97030
Fax: 503-674-5148
kauth.dave@deq.state.or.us

Where can I get additional information?

To view the attached draft permit and draft report click on the links below.

[Draft Permit](#)

[Draft Review Report](#)

You can review hard copies of the draft permit and related documents at Gresham Regional Branch Library located at 385 NW Miller Ave., Gresham, OR. The draft permit, draft review report and application can be viewed at DEQ's Portland office located at 2020 SW 4th Avenue, Suite 400, Portland, OR. For a review appointment, call Susan Curry at (503) 229-6736.

What is proposed?

DEQ proposes to renew an air permit for ON Semiconductor and is inviting public comment

on the proposed permitting action. During the comment period the public is invited to make comments related to specific conditions within the proposed permit.

The permittee is not proposing changes to the emission limits in the renewal permit.

Permit expiration

Oregon law requires facilities with a Standard Air Contaminant Discharge Permit to renew that permit every five years. Upon renewal, this permit will be effective for five years, expiring on 7/1/2015.

Who is the applicant?

Semiconductor Components Industries, LLC
Db: ON Semiconductor. ACDP 260027

Where is the facility located?

23400 NE Glisan Street
Gresham, OR 97030

Who might have an interest?

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

What does ON Semiconductor do that affects air quality?

ON Semiconductor operates a semiconductor manufacturing facility that releases Volatile organic Compounds and Acid Gases to the atmosphere through abatement devices.

What legal requirements apply?

Oregon Revised Statutes (ORS) 468A.040 and Oregon Administrative Rules (OAR) Chapter 340 Division 216 give DEQ the authority to issue permits. OAR Chapter 340 Divisions 200 through 268 contains all pertinent rules that govern the air quality program.

How does DEQ determine what requirements go in the permit?

Various federal and state regulations apply to a facility depending on the type of industry, the type and amount of pollutants emitted, and the location of the facility. All applicable regulations must be contained in the permit, including the appropriate recordkeeping, monitoring, and reporting requirements to ensure compliance with these rules.



State of Oregon
Department of
Environmental
Quality

Northwest Region Air Quality

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Contact: David Kauth

E-mail:

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Please include your full name, e-mail address and mailing address so that we can purge you from our print mailing list, thus saving trees and taxpayer dollars.

Notice Issued 07/16/10
By: Catherine Blaine

Meeting air quality standards

Air quality in Gresham area meets the National Ambient Air Quality Standards (NAAQS) established by the US Environmental Protection Agency (EPA) to protect public health. DEQ has determined that the air emissions from ON Semiconductor will not result in a violation of those standards. DEQ is responsible for establishing permit emissions limits that ensure air quality standards are not violated.

What pollutants are considered in determining permitted limits?

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.

For more information about criteria pollutants, go to:

<http://www.deq.state.or.us/aq/forms/annrpt.htm>

For more information about hazardous air pollutants, go to:

www.epa.gov/ttn/atw/hlthef/hapindex.html

How are the permitted substances measured?

Emissions are calculated based on emission factors established during source testing. The source testing verifies the capture and removal efficiency of the control devices

Emissions and permit limits

Table 1 below presents the maximum allowable emissions for the facility. The Current Emission Limit reflects the maximum amount of emissions the facility can currently emit under their existing permit. The Proposed Emission Limit reflects the maximum amount of emissions the facility would be able to emit under the proposed

permit. Typically, a facility’s actual emissions are less than the maximum limits established in a permit; however, actual emissions can increase up to the permitted limit.

This facility does not have the potential to be a major source of HAPs. In addition, EPA has determined that these types of sources do not warrant regulation for HAPs. In the past calendar year, ON Semiconductor estimated total HAP emissions of 0.5 tons per year of Hydrogen Fluoride.

Compliance history:

The facility has been operating in compliance with the existing permit and applicable rules during the past permit cycle

What are the special conditions of this permit?

The permittee is required to notify the department of any new start-up operations within 7 days, and is allowed to move and exchange emission control devices as long as emissions are not increased.

What other DEQ permits are required?

ON Semiconductor is considered a Large Quantity Hazardous Waste Generator; they hold a General Stormwater permit, and a Green permit issued by the Department.

What other sources of air pollutants are in the vicinity of the facility?

Other facilities in the area with similar operations and emissions include Microchip Technologies Inc., located at 21015 SE Stark St, Gresham, OR.

Various sources emit similar air pollutants. EPA and DEQ split up the sources into 3 categories: point, area, and mobile sources. Point sources are primarily large industrial facilities. Area sources are smaller than point sources and include backyard burning, woodstoves, consumer products, gasoline stations, etc. Mobile sources include cars, trucks, airplanes, ships, railroads, and construction equipment.

What other information about this company is related to this permit?

This is the only facility Semiconductor Components Industries, LLC operates in the State of Oregon

What happens next?

DEQ will schedule a public hearing if one is requested by 10 or more people, or by an authorized person representing an organization of at least 10 people. An additional public notice will be published to advertise the public hearing.



If a public hearing is not requested, DEQ will consider and provide responses to all comments received at the close of the comment period. DEQ may modify provisions in the proposed permit, but the permit writers can only modify conditions of the permit in accordance with the rules and statutes under the authority of DEQ. Participation in the rulemaking or the legislative process is the only way to change the rules or statutes. Ultimately, if a facility meets all legal requirements, DEQ will issue the facility's air quality permit following EPA review.

After the public comment period, DEQ will send the proposed permit to EPA. EPA will have 45 days to review the proposed permit and submit any objections to DEQ in writing. If EPA has no formal objections, any person may petition EPA with an objection during the following 60 days. A petition may only be based on objections

already raised during the public comment period, unless the person submitting the petition can demonstrate it was impossible or impractical to do so, or that new information is now available to justify a new objection.

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.

People with hearing impairments may call DEQ's OTRS 1-800-735-2900.

Criteria Pollutant	Current Limit (tons/yr)	Proposed Limit (tons/yr)
Particulate Matter (PM)	24	24
Small Particulate Matter (PM ₁₀)	14	14
Nitrogen Oxides (NO _x)	39	39
Sulfur Dioxide (SO ₂)	39	39
Carbon Monoxide (CO)	99	99
Volatile Organic Compounds (VOC)	39	39