



Invitation for Public Comment

Proposed Renewal of an Air Permit for Masterbrand Cabinets, Inc. Public Comments Accepted: February 20, 2007 until March 28, 2007, 5 pm

Permit # 34-2060

What is being proposed

DEQ is planning on renewing an air permit for Masterbrand Cabinets, Inc. 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. Large industrial sources of air pollution such as Masterbrand Cabinets are required to have an air quality permit issued by DEQ, which is referred to as a Title V permit. Permits are issued by DEQ to regulate the type and amount of air emissions at a regulated facility. Oregon law requires facilities with a Title V permit to renew that permit every five years. Upon renewal, this permit will be effective for five years. The existing permit expires on April 1, 2007. The proposed permit expires on April 1, 2012. The proposed permit will not be issued before April 1, 2007. Upon renewal, this permit will be effective for five years. The permittee is not proposing changes to the emission limits in the renewal permit.

Where is the facility located?

The facility is located at 600 SW Walnut Street in Hillsboro, Oregon 97123.

What does Masterbrand Cabinets do that affects air quality?

Masterbrand Cabinets manufactures and finishes kitchen cabinets. The finishing operation results in emissions of volatile organic compounds (VOC) including some hazardous air pollutants (HAPs.) The facility is considered a major source of HAPs because they had HAP emissions greater than Title III thresholds (10 tons per year of any single HAP or 25 tons per year for total HAPs) on the compliance date (1997) for the Maximum Achievable Control Technology (MACT) standard for wood furniture coating operations. The proposed permit includes the wood furniture coating MACT applicable requirements.

Meeting Air Quality Standards

Air quality in Hillsboro meets the standards established by the US Environmental Protection Agency (EPA) to protect public health. DEQ has determined that the air emissions from Masterbrand Cabinets will not result in a violation of those standards. DEQ is responsible for ensuring that the emission limits established by the facility's permit are not exceeded.

What pollutants are measured to determine limits?

EPA and DEQ use six key pollutants as indicators of air quality. These are known as "criteria pollutants" and are pollutants for which emission limits are established if emissions are greater than a regulated minimum level.

Permit emission limits

The table 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

DEQ Office location and mailing address:

Northwest Region
2020 SW Fourth Avenue,
Suite 400
Portland, Oregon 97201

Toll Free: 1-800-452-4011

Fax: (503) 229-6945

Website:

<http://www.oregon.gov/deq/>

Technical Contact:

Jim Broad
503-229-5570
jim.broad@deq.state.or.us

Permit Coordinator:

Catherine Blaine
(503) 229-5582
blaine.catherine@deq.state.or.us

Documents may be viewed at the DEQ office listed above, and at:

Hillsboro Public Library
775 SE 10th Avenue
Hillsboro, OR 97123
(503) 615-6501

And online:

[Draft Permit](#)
[Draft Review Report](#)

Comments due by:

March 28, 2007, 5 pm

Mail to:

DEQ – Northwest Region
AQ Permit Coordinator
2020 SW Fourth Avenue,
Suite 400
Portland, Oregon 97201

E-Mail to

Blaine.catherine@deq.state.or.us
Fax: (503) 229-6945

For file review at Northwest region call:

Susan Curry, (503) 229-5554

DEQ is committed to accommodating people with disabilities. Please notify us with any specific needs, including alternate formats, to assist your review or to make

actual maximum however, the permitted

Criteria Pollutants	Current Emission Limit (t/vr)	Proposed Emission Limit (t/vr)
Particulate Matter (PM)	49	49
Small Particulate Matter (PM ₁₀)	46	46
Nitrogen Oxides (NO _x)	44	39
Sulfur Dioxide (SO ₂)	39	39
Carbon Monoxide (CO)	99	99
Volatile Organic Compounds (VOC)	253	253

emissions are less than the limits established in a permit; actual emissions can increase up to limit.

What other DEQ permits are required?

The facility has a RCRA generator ID number, ORD 091296756.

What is Masterbrand Cabinets compliance history?

Masterbrand Cabinets operated in continuous compliance over the term of the existing permit and the Department has not received any air quality complaints. The facility operates well below emission limitations and in conformance to required work practice requirements.

Hazardous Air Pollutants

The existing and proposed permits limit emissions of volatile hazardous air pollutants (VHAP) to less than 1.0 pounds per pound of solids in the coating, and 10% VHAP in thinners. Masterbrand Cabinets uses the average VHAP content of all finishing materials to demonstrate compliance. HAP emissions for 2005 are shown in the table below.

CAS Number	HAP	Potential HAP emissions in tons per year	2005 HAP emissions *
98-82-8	Cumene	<1	
107-21-1	Ethenediol	<1	
100-41-4	Ethylbenzene	11	
50-00-0	Formaldehyde	<1	
NA	Glycol Ethers	43	
75-09-2	Methylene Chloride	5	
67-56-1	Methyl Alcohol	12	
78-93-3	MEK	15	
108-10-1	Methyl Isobutyl Ketone	38	
108-88-3	Toluene	67	
108-05-4	Vinyl Acetate	<1	
1330-20-7	Xylene	61	
-	Total	253	56

* Individual HAP emissions are not reported on an annual basis.

How do I participate?

DEQ welcomes your questions and comments. A copy of the proposed permit, permit application, and related documents are available at our Northwest Region office. A copy of the proposed permit is available at the Hillsboro Public Library and online at <http://www.oregon.gov/deq/>. You may also contact us directly. See contact information at right on first page, for more information. Written comments are due by 5:00 p.m. on March 23, 2007. We accept comments in writing, by e-mail, or in person during the scheduled public hearing. Please take into account any delays between servers so that e-mails are received before the deadline.

DEQ will schedule a public hearing if requested by 10 or more people, or by an authorized person representing an organization of at least 10 people.



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What happens next?

After the comment period closes, DEQ will consider all comments received. DEQ may modify provisions in the proposed permit based upon comments received. **Ultimately, if a facility meets all legal requirements, DEQ will issue the facility's air quality permit following EPA review.**