



Air Quality Regulations

Jim Ostrowski

**DEQ, Office of Environmental
Assistance**

517.241.8057

ostrowskij2@michigan.gov

Air Quality Regulations

- Air Permitting
- Federal Standards
- Greenhouse Gas Regulations



R 336.1201 Permits to install.

Rule 201. (1) Except as allowed in R 336.1202 or R 336.1278 to R 336.1290, a person shall not install, construct, reconstruct, relocate, or modify any process or process equipment, including control equipment pertaining thereto, which may emit any of the following, unless a permit to install which authorizes such action is issued by the department:

- (a) Any air pollutant regulated by title I of the clean air act and its associated rules, including 40 C.F.R. §§51.165 and 52.21.
- (b) Any air contaminant.

A person who plans to install, construct, reconstruct, relocate, or modify any such

(2) To authorize a person to install, construct, reconstruct, relocate, or modify process or process equipment solely pursuant to subrule (1)(b) of this rule or to consolidate state-only enforceable conditions within a renewable operating permit when the renewable operating permit is issued pursuant to R 336.1214. This permit may establish terms and conditions that are legally enforceable solely pursuant to R 336.1224 to R 336.1232, R 336.1901, or other regulations that are not federally enforceable. Each condition in a permit issued pursuant to this subrule shall be identified as state-only enforceable.

(3) A permit to install may be approved subject to any condition, specified in writing, that is reasonably necessary to assure compliance with all applicable requirements.

(4) If a person decides not to install, construct, reconstruct, relocate, or modify the process or process equipment as authorized by a permit to install, then the person, or the authorized agent pursuant to R 336.1204, shall notify the department, in writing, and upon receipt of the notification by the department, the permit to install shall become void. If the installation, reconstruction, or relocation of the equipment, for which a permit has been issued, has not commenced within, or has been interrupted for, 18 months, then the permit to install shall become void, unless otherwise authorized by the department as a condition of the permit to install.

(5) Upon issuance of a permit to install, the emissions from the process or process equipment allowed by the permit to install shall be included in the potential to emit of the stationary source. Upon the physical removal of the process or process equipment, or

Rule 201

When is a Permit to Install Required?

- Air permit is required if process or activity emits and air contaminant.
- Unless, process or activity is specifically exempted in rules.



Do I Need an Air Permit?

PERMIT TO INSTALL EXEMPTION HANDBOOK

Michigan Air Pollution Control Rules
R336.1278 – R 336.1290 (Rules 278 – 290)



December 2005



(b) Fuel-burning
generation, oil and

(i) Sweet
equipment has a

of the
sweet
Btu per
als, oil-
acity of
is not
human
6,000
s in the

ice heating, service water heating, electric power
ect heating and which burns only the following fuels:
petroleum gas, or a combination thereof and the
than 50,000,000 Btu per hour.

(g) For gas-burning equipment, if the actual emission of sulfur dioxide does not exceed 1 pound per hour.

History: 1979 ACS 1, Eff. Jan. 19, 1980; 1992 MR 4, Eff. Apr. 17, 1992; 1993 MR 11, Eff. Nov. 18, 1993; 1995 MR 7, Eff. July 26, 1995; 2003 MR 12, Eff. July 1, 2003.

NESHAPs

- National Emission Standards for Hazardous Air Pollutants
- A.K.A. MACT Standards (maximum available control technology)



NESHAPs

- Federal rules that regulate emissions of hazardous air pollutants (HAPs) from a list of industrial sources referred to as “source categories.”
- Apply to both Major Source and Area Sources



NESHAPs

□ Area Sources

- <10 tons of single HAP
- <25 tons of combination of HAPs
- i.e., auto body shops, gasoline stations, dry cleaners

□ Area Source NESHAP often require P2, energy efficiency measures and/or BMPs



www.epa.gov/ttn/atw/mactfnlalph.html



Technology Transfer Network Air Toxics Website

Share

Contact Us Search: All EPA This Area Go

You are here: [EPA Home](#) » [Air & Radiation](#) » [Technology Transfer Network](#) » [Air Toxics Web Site](#) » NESHAPS (Alphabetical)

National Emission Standards for Hazardous Air Pollutants (NESHAP)

(Alphabetical Order)

NOTE: NESHAP for area source categories are included in this table and are also available on the [Area Source Program Page](#).

NESHAP (MACT) STANDARD Source Categories Affected	CFR Sub Parts	Final Federal Register Date & Citation	Compliance Date
Aerospace	GG	09/01/95 (60FR45948)	09/01/98
Acrylic/Modacrylic Fiber(area sources)	LLLLLL	07/16/07 (72FR38864)	
Asbestos	40 CFR 61 Subpart M	40 CFR 61.140	
Asphalt Processing and	IIII	04/29/03	5/1/06

Asbestos

□ Who Regulates it?

- DEQ
- MIOSHA

□ Asbestos NESHAP

- Commercial structures
- Demolition/Renovation



Asbestos in Buildings

- ❑ Demolition: removing load-supporting member
- ❑ Renovation: removal of asbestos from components
- ❑ Work Practice Standards
- ❑ Notification of Intent to Renovate/Demolish Form



Greenhouse Gases



Greenhouse Gas Tailoring Rule

- ❑ Sets thresholds for GHG emissions that define when permits are required
- ❑ Existing or newly constructed GHG emission source with the Potential to Emit of at least **100,000 tons/yr CO₂e** and 100 tons/yr GHGs on a mass basis



Terminology

Greenhouse Gas (GHG)

- GHGs are considered the sum of carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF_6).
- GHGs are primarily emitted by the combustion of fossil fuels.



Terminology

Carbon Dioxide Equivalent (CO₂e)

- Internationally recognized measurement for GHGs. When quantities of the different GHGs are multiplied by their global warming potentials (GWPs), the different GHGs can be summed and compared on a CO₂e basis.





Storage Tank Regulations

Jeff Tanner

**DEQ, Resource Management
Division**

517.335.2137

tannerj@michigan.gov



Waste Wastewater Regulations

Dave Drullinger

**DEQ, Office of Environmental
Assistance**

517.335.4117

drullingerd@michigan.gov



Waste Management Regulations

Christine Grossman

**DEQ, Office of Environmental
Assistance**

517.373.0590

grossmanc@michigan.gov



Resources

- Workshops
 - MI Environmental Compliance Conference
- Webinars
 - Intro to Hazardous Waste Regulations
- Publications

- www.michigan.gov/deqworkshops
- 800.662.3297