



Air Permitting and Other Air Quality Regulations

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Program**

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Goal

Provide you with a basic understanding of the air quality regulations that may affect municipalities.



Agenda

- Air Permits
- Regulation of specific processes

Air Quality Compliance

- Who Regulates Air Quality
- Air Permitting
- Processes



Who Regulates Air Quality?

- DNRE, Air Quality Division
- U.S. EPA
- Local Government





Do I Need an Air Permit?

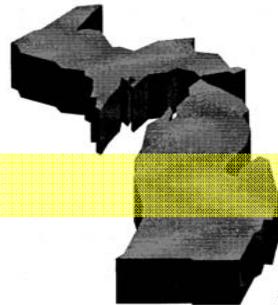
- ❑ Air permit is required if process or activity emits and air contaminant.
- ❑ Unless, process or activity is specifically exempted in rules.
 - Boilers
 - Coating lines
 - Degreasers
 - Cleaning and Storage

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

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.

(b) Fuel-burning
generation, oil and ;

(i) Sweet
equipment has a



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





Common Air Emission Sources

- Boilers
- Standby Generators
- Asbestos
- Degreasers
- Bulb crushers
- Water towers
- Paint Operations



Boilers – Permits



- Permit to Install Required if:
 - Nat gas > 50 million Btu/hr
 - Fuel Oil >20 million Btu/hr

- General Permit for 100 million Btu/Hr Boilers

Boilers – Federal Regs



□ NSPS Subpart Dc

Boilers >10 Million Btu/hr

Go to www.michigan.gov/deqair,
select “clean air assistance and
“NSPS-Boilers” under Federal
Regulations



Standby Generators - Permits

- Permit Required if:
 - Generator > 10 Million Btu/hr
 - Emissions are Significant
 - CO and NOx emissions > than 100 and 40 tons/yr, respectively. Based on 500 hours/yr.
- General Permit to Install for Generators



Degreasers/Cold Cleaners

- Exempt if air/vapor interface not more than than 10 ft²





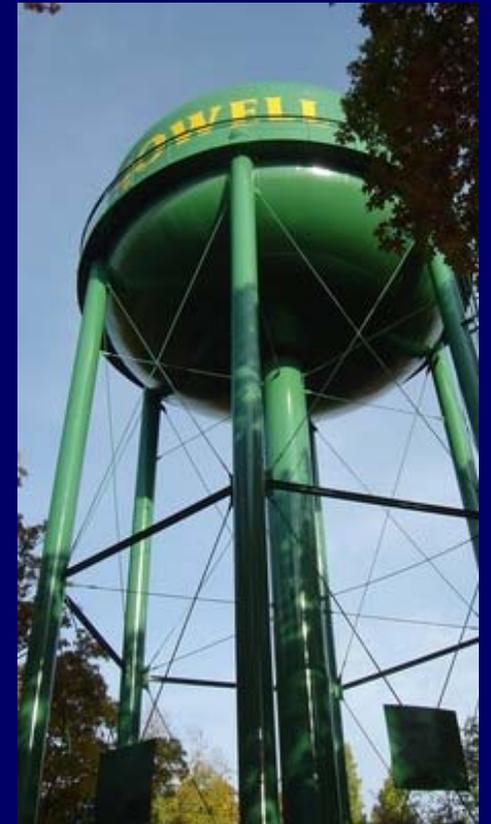
Bulb Crushers

Needs an approved state air permit (Permit to Install) prior to installation.



Water Towers – Painting and Cleaning

- ❑ Painting of a water tower exempt
- ❑ Blast cleaning may be exempt as long as equipped with appropriately designed and operated enclosure and control equipment.



Painting Operations

- Air Permit Required if use > 200 gal coating/month
- Must keep records
- New Federal Standard requires paint booth



Painting Operations

- **New Federal Standard for Paint Stripping and Miscellaneous Surface Coating Operations**
 - **Auto body shops**
 - **Job Shops**



Painting Operations

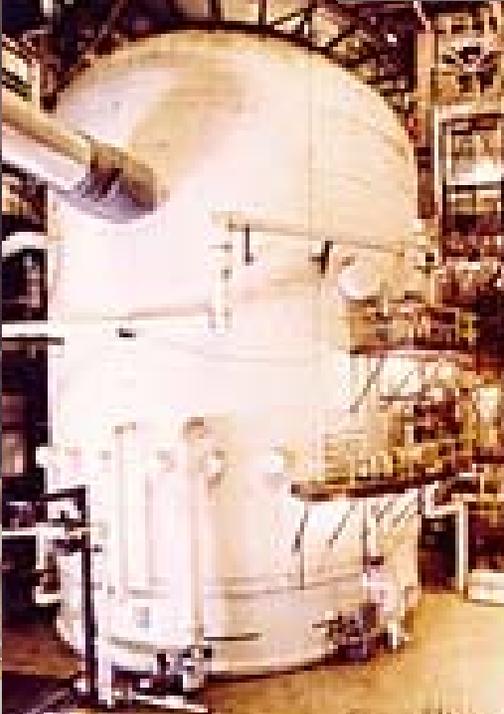
- ❑ Enclosures
- ❑ Filters
- ❑ Type of spray guns
- ❑ Cleaning spray guns
- ❑ Training
- ❑ Notifications
- ❑ Recordkeeping



Where Do I Start?

- Evaluate Facility for air emission sources







**Include emission
sources without
Stacks**

Sources of Air Emissions

boiler PTI #999

welding station

Paint Booth 1 & 2 PTI #999-95

Paint Booth #3 exempt!
Rule 287(c)

Cold cleaner exempt! Rule 281(h)

Keep in your records!

What if I Don't Have a Permit?

- Initiate application process ASAP!
- Contact district office



Don't wait for an inspector to find the violation!



The Air Permit

- Free www.deq.state.mi.us/aps/#PTI
- Basic Source Information
 - Stack info
 - Process and site information
 - Emission estimates
- Contains limitations and restrictions
- Contract between state of MI and business





Resources

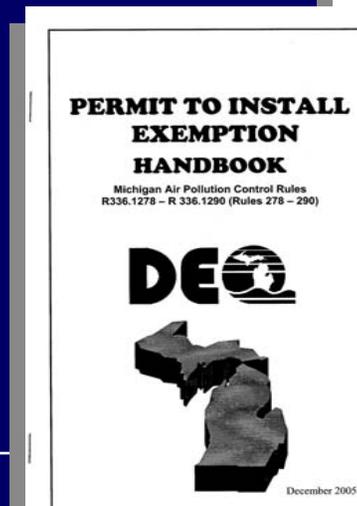
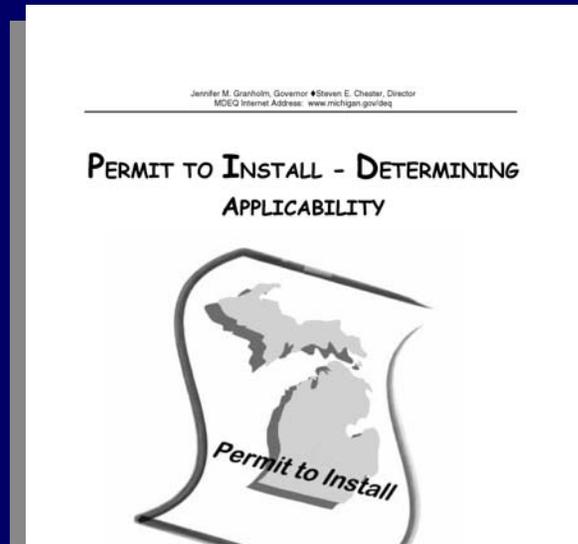
Web Resources Services

- Find Permits www.deq.state.mi.us/aps/
- Site Registry
www.deq.state.mi.us/SiteRegistry/
- Online Training
www.michigan.gov/deqworkshops (click on
“Online Training”)



Publications

- Permit to Install – Determining Applicability Guidebook
- Potential to Emit Workbook
- Exemption Handbook



Potential to Emit Workbook

A Practical Guide to Calculating and Evaluating Your Potential to Emit Air Contaminants

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DEQ
Michigan Department of Environmental Quality
Environmental Science and Services Division
Clean Air Assistance Program

Jennifer M. Granholm, Governor
Steven E. Chester, Director
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ENVIRONMENTAL SCIENCE AND SERVICES DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL
QUALITY

Jennifer M. Granholm, Governor
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Our goal is to provide Michigan businesses,
municipalities, institutions, and the public
with timely and effective
environmental compliance assistance.

Michigan Department of Environmental Quality
ENVIRONMENTAL ASSISTANCE CENTER
800-662-9278
DEQ Internet: www.michigan.gov/deq
Email: deq-ead-env-assist@michigan.gov

FOR POLLUTION EMERGENCIES CALL:
POLLUTION EMERGENCY ALERTING SYSTEM
(PEAS) 800-292-4706

Michigan Department of Natural Resources & Environment

Environmental Assistance Program

Training

- Training is offered by our experts on a variety of environmental programs.



Want more on Air Quality?

This afternoon:

- Outdoor Burning
- Asbestos
- Dust
- Odors





QUESTIONS?