

## Sources of Air Permit Information

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## Sources of Air Permit Information

Air permit information from the government is available in a variety of forms at both the federal and state levels. Sources include:

- Federal laws and regulations
- U.S. Environmental Protection Agency (USEPA) documents
- Technology Transfer Network (TTN)
- Emission Inventories and Factors
- Air Quality Division (AQD) publications and contacts
- The Michigan Clean Air Assistance Program

Private entities and trade organizations are also valuable resources for air permit information.

### **Federal and State Laws and Rules**

Laws and administrative rules give the government the authority to regulate manufacturing activities. Laws are public acts or statutes that are created by a legislative body such as Michigan's State Legislature or the United States Congress. An "administrative rule" is a regulation written by an agency that implements or applies a law. Laws and rules are created and administered at both the state and federal levels. Throughout this manual, a number of regulations are cited. The purpose of this section is to help you understand what these citations mean. Additionally, this section should increase your understanding of how laws and rules are published and cited, as well as where they can be found using the Internet.

### **Federal Laws**

All laws enacted by the United States Congress are compiled into the United States Code (USC). The USC is divided into 50 titles by subject matter. Subjects dealing with environmental topics are listed predominantly in USC Title 42, "The Public Health and Welfare," but may be found in other titles as well.

Federal laws are cited by their popular names followed by a reference to the USC. The Clean Air Act is located in 42 USC 7401 et seq. Here "42 USC" refers to Title 42 of the USC entitled, "The Public Health and welfare." "7401 et seq." refers to the first section within Title 42 that pertains to the Clean Air Act and the following sections. The proper citation would read:

*The Clean Air Act, 42 USC 7401 et seq.*

### **Federal Rules**

Federal rules are promulgated by agencies within the federal government, such as the USEPA or the Occupational Safety and Health Administration. Federal rules are compiled into two documents: the Federal Register and the Code of Federal Regulations.

## Federal Register

The Federal Register (FR) is a daily publication used to notify the public of official federal government actions. It is published by the Office of the Federal Register, U.S. National Archives and Records Administration (NARA), every Monday through Friday, except federal holidays. The FR is the official publication for presidential documents and executive orders as well as notices, rules, and proposed rules from federal agencies and organizations.

### How to Use the Federal Register

A typical first page of a Federal Register follows. See numbers to match referenced explanations.

|  |
|--|
| <p>[Federal Register: June 8, 1998 (Volume 63, Number 109)] ❶<br/>[Proposed Rules]<br/>[Page 31197]<br/>.....<br/>ENVIRONMENTAL PROTECTION AGENCY<br/><br/>40 CFR Parts 72 and 75 ❷<br/><br/>[FRL-6109-1] ❸<br/>RIN 2060-AG46<br/><br/>Acid Rain Program; Continuous Emission Monitoring Rule Revisions ❹<br/><br/>AGENCY: Environmental Protection Agency (EPA) ❺<br/><br/>ACTION: Proposed rule; correction. ❻</p> |
|--|

❶ A regulation in the Federal Register is cited by the date of issue, volume, number, and the page on which the regulation appears. ❷ A reader's aid section serves as an index and lists the CFR titles and parts that have been affected for that particular month, up to the date of printing. ❸ It lists the page number in the register where you can find the details of the revision. ❹ The title of the document follows, ❺ then the issuing agency. ❻ Lastly, the action of the document (i.e., proposed rule, final rule, notice, correction, etc.).

### Code of Federal Regulations (CFR)

The CFR is an annual codification of the general and permanent rules established in the Federal Register by the executive departments and agencies of the federal government. The CFR, like the USC, is divided into 50 titles that represent broad areas subject to federal regulation. Environmental regulations are contained primarily in Title 40, "Protection of Environment." Regulations pertaining to occupational safety and health are located in Title 29, "Labor." Each title of the CFR is published in separate volumes that are revised once each calendar year to add amendments published in the Federal Register. Title 40 and Title 29 are issued every July 1.

Each title of the CFR is divided into subtitles and chapters that usually bear the name of the issuing agency (e.g., the Environmental Protection Agency of the Occupational Health and Safety Administration). Chapters may be divided further into subchapters that cover specific regulatory areas and organize parts by topic area. Chapters and subchapters are divided into parts (large parts are sometimes divided into subparts). All parts are organized into sections; most references in the CFR will be to the section level. Below is the CFR hierarch for the USEPA.

### *Environmental Protection Agency*

Title 40 – Protection of the Environment  
Chapter I – Environmental Protection Agency  
Subchapter A – R  
Parts – 1-799  
Subparts – further divide parts  
Sections – numbered and cover specific areas such as applicability, definitions, standards, etc.

For the purpose of locating a specific regulation the most important divisions of the CFR are the title, part/subpart, and section. To find a particular regulation in the CFR, you have to first understand how it is cited. Usually, a reference to the CFR is cited to a particular section or subpart. “40 CFR 261.10” refers to a specific section. Here, “40 CFR” refers to Title 40 of the CFR and “261.10” denotes the section. The number to the left of the decimal, “261” refers to the part. The number to the right of the decimal, “10” identifies the particular section within that part. To reference a broader portion of the CFR, you would reference an entire subpart. Consider “40 CFR 162(C).” Here “162(C)” refers to Part 162, Subpart C.

A typical first page from the CFR is illustrated as follows:

[Code of Federal Regulations]  
[Title 40, Volume 5, Parts 61 to 71]  
[Revised as of July 1, 1996]  
From the U.S. Government Printing Office via GPO Access  
[CITE: 40 CFR 63]

[Page 667-674]

TITLE 40--PROTECTION OF ENVIRONMENT  
CHAPTER I--ENVIRONMENTAL PROTECTION AGENCY

PART 63--NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES--Table of Contents

Subpart M--National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities

Source: 58 FR 49376, Sept. 22, 1993, unless otherwise noted.

Sec. 63.320 Applicability.

## How to Access Federal Laws and Rules Using the Internet

By following the steps outlined in this section, you will be able to locate any federal law or administrative rule via the Web. Federal laws can be located through the USEPA and OSHA web sites. These web sites give you direct access to all the popular federal statutes administered by these agencies, as well as many other page links that can assist you in gaining information. In addition, by using these web sites, you can search Federal Register and CFR documents for federal rules.

### Locating Federal Laws

By accessing the USEPA web site, you can locate a number of federal statutes pertaining to the environment.

#### *Environmental Laws*

Step 1: Enter the following web site address: **www.epa.gov**.

Step 2: You are now at the USEPA's homepage. Click on "Laws, Regulations & Dockets" in the left margin.

Step 3: Click on "Major Environmental Laws."

Step 4: Click on the first link provided ("*more about the full text of these laws.*")

This page allows access to all major federal laws that address the environment.

### Locating Federal Rules - Federal Register

You can find federal rules using the Federal Register which is published daily. The USEPA web site give you direct access to Federal Register documents.

#### *Environmental Rules:*

Step 1: Access the USEPA web site at: **www.epa.gov**.

Step 2: Click on "Laws and Regulations."

Step 3: Click on "Regulations and Proposed Rules."

Step 4: Click on the first link provided ("*more about the full text of these laws.*")

This page allows you to access the full-text of selected Federal Register documents issued by the USEPA. You may access the documents by simply choosing the category of regulation (e.g., air, waste, general) and date, and clicking the "submit query" button.

### Locating Federal Rules - Code of Federal Regulations (CFR)

You can find federal rules using the CFR which is published every year. The USEPA web sites provide direct access to CFR documents.

### *Environmental Rules:*

- Step 1: Access the USEPA web site at: **www.epa.gov**.
- Step 2: Click on “Laws and Regulations.”
- Step 3: Click on “Code of Federal Regulations.”
- Step 4: Click on “CFR Title 40: Protection of the Environment.”
- Step 5: Click on the specific part of Title 40 you would like to view.

### *Other Federal Rules:*

- Step 1: Enter the following web site address: **www.access.gpo/su\_docs/index.html**.
- Step 2: Click on “Code of Federal Regulations” on the right-hand menu under the subtitle, “Quick Links.”
- Step 3: Click on “Retrieve CFR sections by citation (current and/or historical data).” This will allow you to search for any rule. For example, you may want to retrieve “49 CFR 172(F),” which describes the proper placarding of commercial carriers.
- Step 4: Fill in all the appropriate prompt boxes: Revision Year (use “most recent available”), Title (input “49”), Part (input “172”). Next you may either enter a section or subpart (for this example, input “F” in the subpart box).
- Step 5: Click on “Retrieve” to have the requested information displayed on the screen.

## **Michigan Laws**

After the Governor signs a bill into law, it is assigned a public act number and added to the Michigan Compiled Laws (MCL). The MCL is a collection of all state laws currently in force through a particular publication date. It not only includes public acts enacted by the Legislature, but also The Michigan Constitution of 1963, as amended; and Executive Reorganization Orders issued by the Governor. The MCL is organized into three levels: chapters, acts, and sections.

The MCL is comprised of 830 chapters that address various subjects. Within each chapter is one or more public acts. The Natural Resource and Environmental Protection Act, Public Act 451 of 1994, as amended is found in Chapter 324. Public Acts may be divided into parts or articles that are divided further into sections. Each section within the MCL is assigned a “compilation number.” This number serves as a reference to assist in locating any section of law. Essentially, if you know the section compilation number you can easily locate the law in the MCL. The following example illustrates the components of a section within the MCL. This particular section is taken from Michigan’s Occupational Safety and Health Act (MIOSHA):

**408.1012 ① Duties of employee ②.**

**Sec. 12. ③ An employee shall:**

*(a) Comply with rules and standards promulgated, and with orders issued pursuant to this act.*

*(b) Not remove, displace, damage, destroy, or carry off a safeguard furnished or provided for use in a place of employment, or interfere in any way with the use thereof by any other person.*

History: 1974, Act 154, Eff. Jan. 1, 1975. ④

① “408.1012” is the section compilation number, which describes where this piece of law is located in the MCL. The numbers to the left of decimal, “408”, refer to a chapter of the MCL. Here, “408” refers to Chapter 408 of the MCL entitled “Labor”. The numbers to the right of the decimal, “1012”, represent the specific section and serve to further organize the section within the chapter. ② To the right of the section number is the “catchline”, a brief description of the section’s content. ③ “Sec. 12” is the internal section number within the Act itself and immediately precedes the text of the section. ④ Following the text of the section are editorial notes. There are seven types of editorial notes that may follow a section: history notes, compilers notes, constitutionality notes, transfer of power notes, former law notes, cited in other section notes, and cross-reference notes. The history note in this example lets the reader know that this section comes from Act No. 154 of 1974 and became effective January 1, 1975.

### **Citing Michigan Laws**

A law may be cited to a public act in its entirety or a particular division. Following are examples of how a state law may be cited. In this guidebook most references to state laws will be to an entire public act or part of an act.

An act referenced in its entirety will reference the act’s popular name, number, and year of enactment as in the following: the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended (Act 451). Any further reference to the same citation might be abbreviated to just the act number, for example, Act 451.

When a specific part of an act is referenced, it is cited to the public act by the part number and title as in the following: Part 115 (Solid Waste Management) of the Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended (Act 451). Any further reference to that same citation might be abbreviated to include just the part number, for example, Part 115 of Act 451.

### **Michigan Administrative Rules**

Once a law is enacted, state administrative agencies such as the Michigan Department of Environmental Quality (MDEQ), are charged with the duty of making sure the law is implemented. Statutes, like the Natural Resource and Environmental Protection Act, Public Act 451 of 1994, as amended, give agencies the authority to promulgate administrative rules. Although they are not technically laws, when rules are properly processed and enacted, they have the same force and effect as law. The Administrative Procedures Act, Public Act 306 of 1969, as amended was enacted to address the procedures that govern

the creation, processing, and publication of rules. This act outlines the entire rule making process, from the initial request to finalization charged with the duty of making sure the law is implemented. Statutes, like the Natural Resource and Environmental Protection Act, Public Act 451 of 1994, as amended, give agencies the authority to promulgate administrative rules. Although they are not technically laws, when rules are properly processed and enacted, they have the same force and effect as law. The Administrative Procedures Act, Public Act 306 of 1969, as amended was enacted to address the procedures that govern the creation, processing, and publication of rules. This act outlines the entire rule making process, from the initial request to finalization.

## Understanding the MDEQ's Administrative Rules

The MDEQ has the authority to promulgate rules under Act 451. Each division within the MDEQ administers its own set of rules. For example, the Air Quality Division (AQD) administers a set of rules known as the "Air Pollution Control Rules" and the Waste and Hazardous Materials Division (WHMD) administers the "Solid Waste Rules." An agency will typically organize its administrative rules into parts. The Air Pollution Control Rules are divided into parts concerning issues such as emission limitations and prohibitions, monitoring, and permitting. Like all administrative rules, the MDEQ's rules are compiled in the Michigan Administrative Code.

## Michigan Administrative Code (MAC)

The MAC is a collection of all permanent administrative rules. The Governor's Office of Regulatory Reform (ORR) keeps the MAC up-to-date daily on its web site at [www.michigan.gov/orr](http://www.michigan.gov/orr).

Rules are organized into the MAC by their "R" number. To help us better understand it usage, consider the following example which is an excerpt from Michigan's Air Pollution Control Rules:

*R 336.1901 ① Air contaminant or water vapor; when prohibited.②*

*Rule 901. ③ Notwithstanding the provisions of any other commission rule, a person shall not cause or permit the emission of an air contaminant or water vapor in quantities that cause, alone or in reaction with other air contaminants, either of the following:*

*(a) Injurious effects to human health or safety, animal life, plant life of significant economic value, or property.*

*(b) Unreasonable interference with the comfortable enjoyment of life and property. ④*

History: 1979 ACS 1, Eff. Jan. 19, 1980. ⑤

① "R 336.1901" is referred to as the "R" number. This number describes where the rule may be found in the MAC. Any citation to a Michigan administrative rule will reference this number. Most R numbers consist of 2 numbers separated by a decimal point. The MAC is organized numerically in ascending order, first by the left side of the R number and then by the right. The number to the left of the decimal point generally refers to the chapter of the MCL containing the statutory authority to which an agency promulgated the rule. In this example, "336" refers to Chapter 336 of the Michigan Compiled laws entitled "Air Pollution." The numbers to the right of the decimal point correspond to the digit or digits in the rule number. ② To the right of the R number is what is referred to as the "catchline" which is a short statement explaining the topic of the rule. ③ Preceding the text is the

actual rule number, "Rule 901," which is usually some variation of the right side of the R number, depending on how the agency has organized its rules. ❹ This is the text of the rule. If the rule is rather large, it may be divided into a series of independent statements that pertain to the preceding material. ❺ At the end of each rule is a history note that contains the rule's effective date, its origin, and any amendments. The history note in this example informs readers that the rule originated in 1979 Administrative Code Supplement Number 1 and became effective on January 19, 1980. Any amendment effective dates would follow this date.

### **How to Access State Laws and Rules Using the Internet**

You can obtain a state law by going directly to the Michigan Compiled Laws (MCL). State rules are obtained from the MAC. Step-by-step instructions on how to access the MCL and the MAC are provided below. You may search the MCL through the Michigan Legislatures' web site at **www.michiganlegislature.org**. This site provides direct access to major sites related to the state legislature. The MAC can be accessed at **www.michigan.gov/orr**. This site provides information on the changes to the MAC and the latest rule activity.

#### **Locating State Laws**

There are two ways you can search the MCL for a law. The first is by referencing the compiled law number (compilation number). The second is by referencing the public act number and year. By far the easiest and most up-to-date method is by using the Internet. Accessing the MCL web site is much easier to use than the multiple volumes of the MCL and can be done at your home or office. Following is an explanation of how to find a particular law on the Internet.

##### *Searching the Michigan Compiled Laws (MCL):*

Step 1: Enter the web site address: **www.michiganlegislature.org**.

Depending on what information you are given, you may now choose to search for a reference to a law by the MCL number or the Public Act itself.

If you know the compilation number (e.g., 408.1012), then:

Step 2: Click on "Basic MCL Search."

Step 3: Enter the MCL number (408.1012) into the box titled "MCL Section No[s]."

Step 4: Click on "Search" to display the results of your search.

Step 5: Click on the document you wish to retrieve.

If you know the Public Act (e.g., Public Act 154 of 1974 [MIOSHA]), then:

Step 2: Click on "Advance MCL Search."

Step 3: Scroll down to "Public Act Number" and enter the Act number (154) in the box.

Step 4. Type the year of the Act ("1974") in the box entitled, "of year."

Step 5: Click on "Search."

Step 6: Click on the Public Act you are searching for ("PA154 of 1974")

Step 7: You may now locate a specific part, section, or other division of the Act.

### **Locating State Rules**

If you know the “R” number of the rule, for example, R 336.1901, all you have to do is find that number on the Office of Regulatory Reform’s (ORR’s) Internet site.

*Searching the Michigan Administrative Code:*

Step 1: Enter the following Internet address: **[www.michigan.gov/orr](http://www.michigan.gov/orr)**.

Step 2: You are now at the ORR’s homepage. From this site you may access the MAC, obtain updates on all rules promulgated in the State of Michigan, or view rules that are under review.

Step 3: Click on “Michigan Administrative Code.” From here you can search for a rule by “R” number or by State Department.

If you know the “R” number (e.g., R336.1901), then:

Step 4: Click on “Numeric.”

Step 5: Click on the range of numbers that would encompass the desired rule number. For R 336.1901, click on “327.28 - 339.22667.”

Step 6: Scroll down until you find the next range of numbers that contains the desired rule. R 336.1901 is under the “Department of Environmental Quality, Air Quality Division, Emission Limitations and Prohibitions - Miscellaneous R 336.1901 - 336.1930.” Click on this link.

Step 7: You are now looking at the rules the way they appear in the MAC. You may have to scroll down to find the particular rule you are searching for.

If you know the state department that administers the rule:

Step 4: Click on “Department.”

Step 5: Click on the Department that you wish to search through (e.g. “Environmental Quality”). This page lists all the rules administered by that particular agency by subject matter. For example, select “Air Quality Division” for air rules, “Solid Waste Management” for hazardous substance rules, etc. R 336.1901 is listed as “Environmental Limitations and Prohibitions - Miscellaneous.”

Step 6: Click on your selection (“Environmental Limitations and Prohibitions - Miscellaneous”).

Step 7: Scroll down to find the specific rule.

### **Air Quality Division Internet Site**

The MDEQ has a very useful web site that can assist in your search to find a particular environment-related law or rule. This site lists all of the MDEQ’s environmental regulations by division, as well as many statutes and links to federal environmental sites. To access this web site, enter the web site address: **[www.michigan.gov/deqair](http://www.michigan.gov/deqair)** and select “Air Laws, Rules, & Memorandums” from the same location. From this site you can access laws, rules, and memorandum policy administered by the MDEQ’s Air Quality Division.

## U.S. Environmental Protection Agency (USEPA) Documents

### RACT/BACT/LAER Clearinghouse

New sources of air emissions frequently have to undergo either a “best available control technology (BACT) or “lowest achievable emission rate” (LAER) analysis. As part of this process, the applicant must determine the most stringent control method possible and then compare it with various other control methods. BACT is the best technological solution to emissions control, taking into account economics, energy, and environmental impacts. BACT may be achieved through design, equipment, operational standards, and work practices.

Some air regulations require that each new source or modification applying for an air use permit propose the BACT for emissions control and prepare an analysis to support this determination. In this analysis, the applicant lists the various control measures that can be applied to the source and the emissions produced if that particular control measure is used.

The control measures are arranged in a top-down format, with the most stringent control technology listed first. The assumption is made that the top-listed control technology is BACT. If the applicant proposes to use a less stringent technology, the applicant must demonstrate that the chosen method is the best means of emissions control through an analysis of all applicable control methods. This analysis will describe the energy, environmental, and economic impacts of each technology and will compare the various technologies. The analysis should support the applicant's choice as to which method represents BACT.

The USEPA maintains a central clearinghouse of RACT, BACT, and LAER determinations. Summaries of these determination are provided in the book, *BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations*. This book is a valuable source for the applicant when carrying out either a BACT or LAER analysis. It is also useful to ensure that the applicant has considered all alternatives when carrying out the BACT or LAER analysis.

For each BACT or LAER determination, BACT/LAER Clearinghouse provides the following information:

- ⑤ Plant name
- ⑤ Process name
- ⑤ Fuel type, if applicable
- ⑤ Throughput capacity and corresponding units
- ⑤ Types of pollutants emitted
- ⑤ Emission limit for the given pollutant
- ⑤ Basis for limit (e.g., BACT, LAER)
- ⑤ Control equipment used
- ⑤ Process modifications that would minimize emissions
- ⑤ Percent efficiency for the control devices
- ⑤ Process Notes

For each determination, the book also includes the state where the source is located, the permit number, the date the permit was issued, the agency issuing the permit, the name and telephone number of the contact person at the facility, and the name and telephone number of the person to contact within the agency for additional information about the determination. The Clearinghouse can be accessed at: <http://cfpub1.epa.gov/rblc/htm/bl02.cfm>.

## **Technology Transfer Network (TTN) Web**

The TTN Web is a computer system administered by the Office of Air Quality Planning and Standards (OAQPS), USEPA consisting of a collection of related web sites. Each web site focuses on a different aspect of air quality or the Clean Air Act. The various sites contain on-line databases, downloadable computer programs, bulletins, regulatory information, public forums for exchange of ideas, etc. Because of the available functionality, the TTN Web is being touted as a primary communication and outreach vehicle by OAQPS. You can access the TTN directly from the Internet via the Internet at: **[www.epa.gov/ttn](http://www.epa.gov/ttn)**

Access to the TTN Bulletin Board System (BBS) via modem, Telnet, and FTP site is not recommended. The USEPA is no longer updating these system files and eventually they will be discontinued.

### **TTN WEB Directory**

16 web sites are currently available through the network. Below is a description of each site.

#### **Air Quality System (AQS)**

provides information on ambient air pollution data collected by the USEPA and state, local, and tribal agencies, as well as documentation on the use and acquisition of air quality and emissions data from the AIRS mainframe computer systems.

#### **Ambient Monitoring Technology Information Center (AMTIC)**

provides information and all federal regulations pertaining to ambient monitoring. Information on monitoring methodology, field and laboratory studies are also included.

#### **Air Toxics Web Site (ATW)**

is a central clearinghouse and repository for air toxics information from all of the federal, state and local agencies performing work in the air toxics arena.

#### **Clean Air Technology Center (CATC)**

offers free engineering assistance, a hotline, and technical guidance to state and local air pollution control agencies in implementing air pollution control programs.

#### **Clearinghouse for Inventories/Emission Factors (CHIEF)**

contains the latest information on air emission inventories and emission factors. It provides access to tools for estimating emissions of air pollutants and performing air emission inventories for both criteria and toxic pollutants.

#### **Centro de Información Sobre Contaminación de Aire (CICA)**

provides technical support and assistance in evaluating air pollution problems along the Mexico - U.S. border.

#### **Economics and Cost Analysis Support (ECAS)**

analyses of costs, benefits, and economic and regulatory impacts of air quality management, strategies, programs, and regulations

#### **Emission Measurement Center (EMC)**

provides access to emission test methods and testing information for the development and enforcement of national, state, and local emission prevention and control programs.

#### **Federal Advisory Committee Act (FACA)**

Under this act, the USEPA has established a subcommittee of the Clean Air Act Advisory Committee to obtain advice and recommendation on integrated approaches for implementing any revised NAAQS for ozone and particulate matter as well as regional haze problem.

#### **Geographic/Ecosystem Initiatives (GEI)**

are geographically focused environmental activities which leverage the resources of state, local government, regulated communities, environmental groups and citizens.

#### **National Ambient Air Quality Standards (NAAQS)**

covers implementation of standards for the criteria pollutants of ozone, particulate matter, carbon monoxide, sulfur dioxide, nitrogen oxide, and lead.

#### **National Environmental Laboratory Accreditation Conference (NELAC)**

is a voluntary association of state and federal agencies established to develop uniform accreditation standards. NELAC procedures include open meetings with full opportunity for input from the private sector.

#### **New Source Review (NSR)**

offers guidance and technical information within the NSR permitting community.

#### **Office of Air & Radiation Policy and Guidance (OAR P&G)**

provides access to information that is relevant to the Clean Air Act amendments of 1990.

#### **Small Business Assistance Program (SBAP)**

provides support to state and local small business assistance programs by serving as a communications network to share materials as well as new federal rules that have been developed related to small businesses.

#### **SCRAM-Support Center for Regulatory Air Models**

provides regulatory air quality model computer code, meteorological data, documentation, as well as modeling guidance.

### **TTN Web Forums**

On select web pages within the TTN web site are public forums which are web-based discussion areas. Anyone may submit questions, comments, and responses. The public discussion forums provide a responsible and effective venue for seeking and providing information about air pollution. Below is a description of the three forums:

- ⑥ The **AMTIC Forum** is a discussion area for questions pertaining to ambient air monitoring technology.
- ⑥ The **SBAP Forum** is a discussion area for questions concerning state developed programs which assist small businesses in meeting the requirements of the 1990 Clean Air Act.

- ⑤ The **SCRAM Forum** is a discussion area for questions and comments related to air quality dispersion modeling.

### **Where to Go for Assistance**

Material on the TTN Web is frequently updated and files can be downloaded from the system. This system is easy to use and has a wealth of information. If you need help accessing the system, call the help desk at (919) 541-5384 in Research Triangle Park, North Carolina.

### **Air Quality Division (AQD) Publications and Contacts**

In 1965, the Michigan State Legislature addressed air pollution problems with the passage of the *Michigan Air Pollution Act, Act 348, P.A. of 1965*, as amended. The 1965 Act has been amended numerous times to reflect the changes in federal air quality legislation and changes in the direction of the Michigan air program. The Act, per se, was repealed effective March 1995, but the text was integrated into the *Natural Resources and Environmental Protection Act, Act 451, P.A. of 1994*. There was some reorganization of the subparts but the Act, itself, remains intact to a large extent. New rules are continuously being promulgated so it is important to use only the most recent update of Act 451 and the rules. To obtain a paper copy of the Michigan Air Pollution control laws and rules, use the order form in Appendix C. The laws and rules are also available via the Internet at the MDEQ web site (see below).

There are three main ways to track changes in MDEQ rules and policies. These are:

- ⑤ The DEQ Calendar.
- ⑤ The AQD's *About the Air* newsletter.
- ⑤ The AQD Internet homepage.

The DEQ Calendar is published every two weeks on alternate Mondays. The Calendar is divided into two parts: environmental issues, permitting, and related regulations; and environmental conferences, workshops, and training programs.

To be placed on the mailing list for the hard copy version of the DEQ Calendar, contact:

DEQ Calendar  
Michigan Department of Environmental Quality  
P.O. Box 30457  
Lansing, MI 48909-7957  
(517) 335-3153

The DEQ Calendar is also available in from the MDEQ web site: [www.michigan.gov/deq](http://www.michigan.gov/deq). Click on "Information & News" on the left menu and select "Calendar."

*About the Air* is published every other month and it contains more detailed air-related information than the DEQ Calendar. Permit decisions and articles on the Permit to Install compliance, rules changes, and the Renewable Operating Permit program are featured in the is publication. The mailing list contact for *About the Air* is:

Shelia Blais  
Air Quality Division, MDEQ  
P.O. Box 30260

MDEQ air quality information is available via the Internet from the MDEQ's web site at [www.michigan.gov/deq](http://www.michigan.gov/deq) by choosing "AIR" from the left menu.

Other MDEQ Internet web sites of interest can be accessed from the MDEQ's web site by clicking on the "site map" link at the top of the page. The sites are organized by topic and area of interest.

MDEQ personnel have been assigned various responsibilities in the division to implement air quality regulations. Changes in rules and procedures are being spearheaded by the MDEQ Air Quality Division in Lansing. The Lansing staff is managing the Permit to Install program while the district staff is managing the Renewable Operating Permit program.

There are designated MDEQ contacts for both the specific aspects of the air quality program as well as industry categories (Appendix A). Workgroups of interested parties are assembled periodically to work on issues. For instance, there are, or have been, groups for emission trading, redesignation of nonattainment areas, changes in renewable operating permit rules, and VOC issues. The easiest way to track work group meetings is to refer to the calendar published by the MDEQ which is available as hard copy or via Internet. There is also an Air Quality Division Advisory Group of selected representatives that meets periodically. Contact Ms. Sheila Blais at (517) 335-6989 for information on that group.

## **The Michigan Clean Air Assistance Program**

### **Introduction**

Section 507 of the Clean Air Act Amendments of 1990 requires each state to develop a small business technical and environmental compliance assistance program (PROGRAM). The purpose of the PROGRAM is to assist small businesses in complying with the federal Clean Air Act. The PROGRAM is comprised of three components: an Assistance Program, an Ombudsman and a Compliance Advisory Panel. The Natural Resources and Environmental Protection Act 451 of 1994, Article II - Pollution Control, Chapter 1 - Point Source Pollution Control, Part 57 (formerly known as the Small Business Clean Air Assistance Act 12 of 1993) is the enabling legislation for Michigan's PROGRAM.

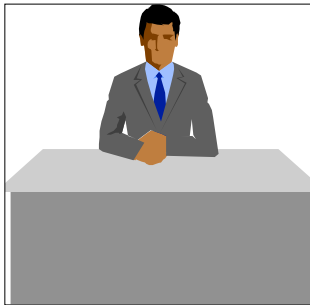


### **Small Business Clean Air Assistance Program (Clean Air Assistance)**

Clean Air Assistance helps small and medium-sized businesses understand their obligations under state and federal air quality laws and identify methods of compliance with those requirements.

Clean Air Assistance is located within the Environmental Science and Services Division (ESSD) of the MDEQ. The names, titles, telephone numbers, and Internet e-mail addresses of the staff are listed below:

| Name            | Title                            | Telephone Number | E-mail Address        |
|-----------------|----------------------------------|------------------|-----------------------|
| David Fiedler   | Manager                          | (517) 373-0607   | fiedlerd@michigan.gov |
| Donna Davis     | Technical Assistance Coordinator | (517) 335-2784   | davisdk@michigan.gov  |
| Teresa Kinder   | Senior Engineer                  | (517) 373-9283   | kindert@michigan.gov  |
| James Ostrowski | Technical Assistance Analyst     | (517) 241-8057   | ostrowsj@michigan.gov |
| Anita Welch     | Technical Assistance Analyst     | (517) 335-2356   | welcha@michigan.gov   |



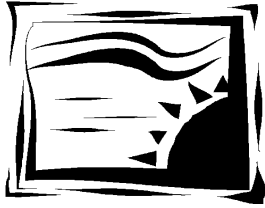
### **The Small Business Clean Air Ombudsman (Clean Air Ombudsman)**

The Clean Air Ombudsman is an advocate for small businesses affected by the Clean Air Act. The Ombudsman position is located in the Business Ombudsman's Office of the Michigan Department of Labor and Economic Development. The Clean Air Ombudsman can be reached at (517) 335-1847.

### **The Small Business Clean Air Compliance Advisory Panel (Panel)**

The primary responsibility of the Small Business Clean Air Compliance Advisory Panel is to determine the overall effectiveness of the Clean Air Assistance and Ombudsman Programs. The Panel meets at least three times a year. Copies of the meeting agendas can be obtained from the Clean Air Assistance Program.





## ***What type of assistance is available from the Small Business Clean Air Assistance Program?***

### **□ TELEPHONE CONSULTATIONS**

Michigan's small and medium-sized businesses can telephone or e-mail staff at the Clean Air Assistance Program with questions regarding federal or state air quality regulations.

Businesses can call **1-800-662-9278** for assistance, and typically get a response to their inquiry within 24 hours. Staff Internet e-mail addresses are available on the previous page.

### **EDUCATION AND OUTREACH**

In addition to providing technical assistance over the telephone, the Clean Air Assistance Program develops guidance publications that simplify federal and state air quality regulations. The following is a list of publications that are currently being developed or available through the Clean Air Assistance Program:

#### **AIR PERMITS (PERMITS TO INSTALL)**

**Michigan Air Use Permit Technical Manual** – This manual is a comprehensive document that details the various aspects of Michigan's air quality regulations, policy and programs. The Technical Manual is updated annually. The manual is now being produced on compact disc and is available for \$10. To order the Technical Manual please contact Alana Timmons at 517-241-7839.

**Permit to Install: Determining Applicability Guidebook** - A guidebook that provides a logical, comprehensive, step-by-step approach to determining what activities trigger the need for a Permit to Install. The guide also contains useful resource information including commonly asked questions and example problems.

**Permit to Install Workbook: A Practical Guide to Completing an Air Use Permit Application** -A workbook designed for small-to-medium sized companies that are not subject to "Major Source Requirements" with developing their Air Use Permit Application submittals. This workbook combines guidance material and instructions together into one practical and easy to use reference document.

**Rule 287(c) Permit to Install Exemption Record Keeping Form: Surface Coating Equipment** - Rule 287(c) of the Michigan Administrative Rules for Air Pollution Control exempts surface coating operations that use less than 200 gallons of coating per month from having to obtain a Permit to Install. This form can be used to comply with the coating usage recordkeeping requirements of the Rule.

**Rule 290 Permit to Install Exemption Form: Sources with Limited Emissions Record** - Rule 290 of the Michigan Administrative Rules for Air Pollution Control exempts sources of air pollution with limited emissions for having to obtain a Permit to Install. This form can be used to comply with the emission data recordkeeping requirements of the Rule.

## **ASBESTOS**

**Understanding the Asbestos NESHAP** – This easy-to-read fact sheet simplifies the federal Clean Air Act requirements that protect the public from the release of asbestos fibers during renovation and demolition activities. The fact sheet explains what specific renovation and demolition activities are regulated under the standard and what the requirements are including: notification, work practice standards, and waste disposal. A must-read for commercial building owners and managers, municipal officials, and contractors.

**Notification of Intent to Renovate/Demolish Form** – This form is used to inform the MDEQ and the Michigan Department of Labor and Economic Growth (MDLEG) of scheduled building demolition, renovation, and asbestos abatement activities. It is also used by local fire department officials to provide notification of intent to conduct controlled training burns.

## **CHROMIUM ELECTROPLATERS**

**The National Emission Standard for Hazardous Air Pollutants (NESHAP) Guide for Chromium Electroplating and Anodizers** - This easy to read fact sheet simplifies the NESHAP requirements for businesses with hard and decorative chromium electroplating and chromium anodizing tanks. The NESHAP was promulgated on January 25, 1995.

**NESHAP for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks: Questions and Answers** - This publication contains answers to the commonly asked questions regarding the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.

**NESHAP for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks: Recordkeeping and Reporting Forms** - Use this set of twelve forms to comply with the recordkeeping and reporting requirements of National Emission Standard for Hazardous Air Pollutants (NESHAP) for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tank.

### ***Reporting Forms***

- Notification of Construction/Reconstruction
- Initial Notification
- Notification of Performance Test
- Performance Tests Results
- Notification of Compliance Status
- Ongoing Compliance Status

## **Recordkeeping Forms**

- Composite Mesh-Pad Systems or Combination Packed-Bed Scrubber/Composite Mesh-Pad Systems Operation and Maintenance
- Fiber-Bed Mist Eliminators Operation and Maintenance
- Packed-Bed Scrubbers Operation and Maintenance
- Monitoring Data
- Daily Process Operation
- Fume Suppressant Monitoring Data

## **EMISSION AND OPACITY MONITORING**

**Guidance for Continuous Opacity and Emission Monitoring Systems** – This guidance document explains the planning, installation, certification, testing, and reporting requirements for continuous emission and continuous opacity monitoring systems, and is a support document for the AQD, Compliance Support and Dry Cleaning Unit's existing continuous emission and opacity monitoring procedures. The fact sheet also includes a new *Monitoring Plan Form (EQP 5739)* to detail the on-site installation of a continuous emission or opacity monitor, and a compliance checklist that covers the steps needed for minimum continuous opacity and emission monitor compliance.

- ⑤ "Continuous Opacity and Continuous Emission Monitoring Systems" Fact Sheet
- ⑤ Monitoring Plan for Continuous Opacity Monitors (COMS) and Continuous Emission Monitors (CEMS)
- ⑤ Checklist for "Compliance of Continuous Emission Monitors (CEMS) and Continuous Opacity Monitors (COMS)"

**Emission Calculation Factsheets** – The ESSD and the AQD have developed industry specific guidance on estimating annual air pollution emissions from facilities. Currently, emission calculation fact sheets have been developed for the following nine industries:

- Coating Operations
- Electroplating Operations
- Foundries
- Hot Mix Asphalt Plants
- Mineral Product Processes
- Municipal Solid Waste Landfills
- Oil and Gas Production
- Petroleum Bulk Plants and Terminals
- Plastic Products and Products Manufacturing

All nine fact sheets are found in Appendix F of Tab 5 - Emission Calculations.

## GENERAL PUBLICATIONS

**Air Pollution Control 101 Fact Sheet** - This publication is designed for businesses with little or no knowledge of air quality regulatory programs. The fact sheet summarizes state and federal air quality laws and regulations, and the government agencies responsible for implementing the air programs that affect Michigan's businesses.

**Air Quality District Map** – This map contains the location, phone numbers, and addresses of all Air Quality Division's district offices.

**Helping Small Businesses Protect Michigan's Clean Air** - This brochure explains the services offered by the Michigan Clean Air Assistance Program and the Michigan Clean Air Ombudsman. It also explains the responsibilities of the Clean Air Advisory Panel.

**Michigan Air Pollution Control Laws and Rules** – Use this order form to purchase a paper copy of the state statutes and rules pertaining to air pollution control which are administered by the Air Quality Division of the Michigan Department of Environmental Quality.

**The Michigan Clean Air Consultant Directory** - This directory contains a list of over 100 consulting firms with at least one office in Michigan. Consultants can help businesses fill out air use permit applications, conduct audits to determine compliance status of applicable air quality regulations and develop emission inventories.

**Small Business Technical and Ombudsman Program (SBTCP)** - Report to EPA detailing program activities of the technical (CAAP), ombudsman (MEDC), and compliance advisory panel for fiscal year 2000-2001. (March 2002)

**What Is An Air Contaminant/Pollutant? Fact Sheet** – What is an air contaminant? The answer to this question can be found in the new, plain-English fact sheet entitled, *“What Is An Air Contaminant/Pollutant?”* The new fact sheet fully explains the air pollution control criteria that classifies which substances are considered air contaminants. Along with definitions, the different types of “families” of air contaminants are discussed [i.e., criteria air contaminants, ozone precursors, Class I and II air contaminants, hazardous air pollutants (HAPs), toxic air contaminants, NESHAP air contaminants, NSPS air contaminants, and Section 112(r) air contaminants]. A list of substances within each air contaminant category is provided. Finally, the fact sheet discusses which air contaminants are regulated under the state's renewable operating permit program (Title V).

**Working With An Air Quality Consultant** - This guidebook can be used to help businesses determine when to seek the assistance of an air quality consultant. It also details a step-by-step approach on how to obtain the services of a qualified consultant.

## LITHOGRAPHIC PRINTERS

**Regulatory Guide for Michigan's Lithographic Printing Industry** - A new easy-to-read manual which contains a thorough description of all environmental, health, safety and construction code regulations that this industry must comply with on a day-to-day basis. *There is a charge of \$20 for this publication.*

**VOC Emission Calculation Sheet for Lithographic Printers** – Lithographic printing facilities can use this form to calculate volatile organic compound (VOC) emissions from inks and other materials, such as fountain solutions and cleaning solvents.

**HAP Emission Calculation Sheet for Lithographic Printers** – Use this form to calculate hazardous air pollutant (HAP) emissions from lithographic printing operations.

**Permit to Install Exemption Record for Lithographic Printers** - (September 1997) - Lithographic printers using only noncarcinogenic volatile organic compounds (VOC) can use this form to determine if an air use permit is required. This form uses assumptions from the USEPA Control Techniques Guidelines for Offset Lithographic Printing to provide an easy monthly VOC emission estimation.

## MANUFACTURERS

**Michigan Manufacturers' Guide to Environmental and Safety and Health Regulations** - This guidebook contains a comprehensive description of all environmental, MIOSHA safety and health, and construction code regulations manufacturers must comply with on a day-to-day basis. *There is a charge of \$15 for this publication.*

## MICHIGAN AIR EMISSIONS REPORTING SYSTEM (MAERS)

**MAERS Workbook** – This is a workbook that assists facilities in filling out their MAERS forms. It provides some additional insight into the reporting requirements that is not found in the MAERS General Instructions.

The workbook is the main training tool used at the annual MAERS Workshops.

## PERCHLOROETHYLENE DRY CLEANERS

**Regulatory Guide for the Michigan Fabricare Industry** - A “plain English” guidebook to provide technical assistance and promote compliance with the many regulatory requirements applicable to the fabricare industry. The guide covers rules, regulations and statutes governing the following Michigan programs: air quality; waste and wastewater management; underground storage tanks; spill reporting, response and prevention; sites with environmental contamination, property transfers and liability issues; dry cleaners and the public health and construction codes; MIOSHA safety and health regulations; and fire prevention. *There is a charge of \$20 for this publication.*

**Perchloroethylene Consumption Record** - Use this form to comply with the perchloroethylene usage recordkeeping requirement of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Perchloroethylene Dry Cleaning Facilities.

**Dry-To-Dry Machine Inspection, Monitoring and Repair Record** - Owners of dry-to-dry perchloroethylene dry cleaning machines can use this form to comply with the recordkeeping requirements associated with the inspection, monitoring and repair requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Perchloroethylene Dry Cleaning Facilities.

**Transfer Machine System Inspection, Monitoring and Repair Record** - Owners of perchloroethylene transfer machine systems can use this form to comply with the recordkeeping requirements associated with the inspection, monitoring and repair requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Perchloroethylene Dry Cleaning Facilities.

## **RENEWABLE OPERATING PERMIT PROGRAM**

**Life After ROP: Renewable Operating Permit Reporting and Revisions Workbook**  
- A practical guide to complying with the responsibilities after ROP issuance.

**PASS-ROP Workbook - A Practical Guide to Completing an Electronic Renewable Operating Permit Application** - A workbook designed to help facilities who are subject to the Renewable Operating Permit (ROP) Program complete an initial application or renew of their existing ROP electronically using the PASS-ROP software.

The workbook takes the reader step-by-step through the ROP application. Each chapter provides important background information pertaining to understanding important terms, using the software, and becoming familiar with the ROP form organization and structure. Additionally, the workbook offers an overview and completion instructions for each of the ROP application forms, along with instructions on submitting, unsubmitting or amending the ROP application.

## **SOLVENT DEGREASING**

**How the Clean Air Act Affects Halogenated Solvent Cleaning Operations** - On December 2, 1994 the USEPA promulgated the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Halogenated Degreasers. This fact sheet is a plain English version of the actual regulation.

**Initial Notification Report For All Machines** - Use this form to comply with the notification requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Halogenated Degreasers.

**Questions and Answers on the Halogenated Solvent NESHAP** - Answers to commonly asked questions about the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Halogenated Degreasers.

## VEHICLE MAINTENANCE

**Vehicle Service Industry Guidebook** - This “plain English” guidebook contains a comprehensive description of state and federal environmental regulations affecting the vehicle service industry. This industry includes gas stations, auto dealerships, car washes, oil changers, service stations, autobody shops, and maintenance and repair shops. *There is a \$15 charge for the guidebook.*

## WOOD FURNITURE MANUFACTURING

**Air Quality Compliance for Wood Manufacturing Operations** - On December 7, 1995 the USEPA promulgated the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Wood Furniture Manufacturing Operations. This easy to read fact sheet explains who is subject to the requirements, what the requirements are, and when compliance must be achieved for wood furniture manufacturing sources.

**Hazardous Air Pollutants** - A listing of all 188 compounds designated as hazardous air pollutants.

**Initial Notification Letter** - A cover letter that the AQD sent out to facilities believed to be subject to the NESHAP for Wood Furniture Manufacturing Operations. (July 2, 1995)

**Initial Notification Report** - Use this form to comply with the notification requirement of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Wood Furniture Manufacturing Operations.

**Wood Furniture Manufacturing Operations NESHAP: Questions and Answers** - This document contains answers to the commonly asked questions regarding the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Wood Furniture Manufacturing Operations.

For more information contact:

**Clean Air Assistance Program  
Environmental Science and Services Division  
Michigan Department of Environmental Quality  
P.O. Box 30457  
Lansing, MI 48909-7957  
(800) 662-9278 (office)  
(517) 335-4729 (FAX)**

## Appendix A

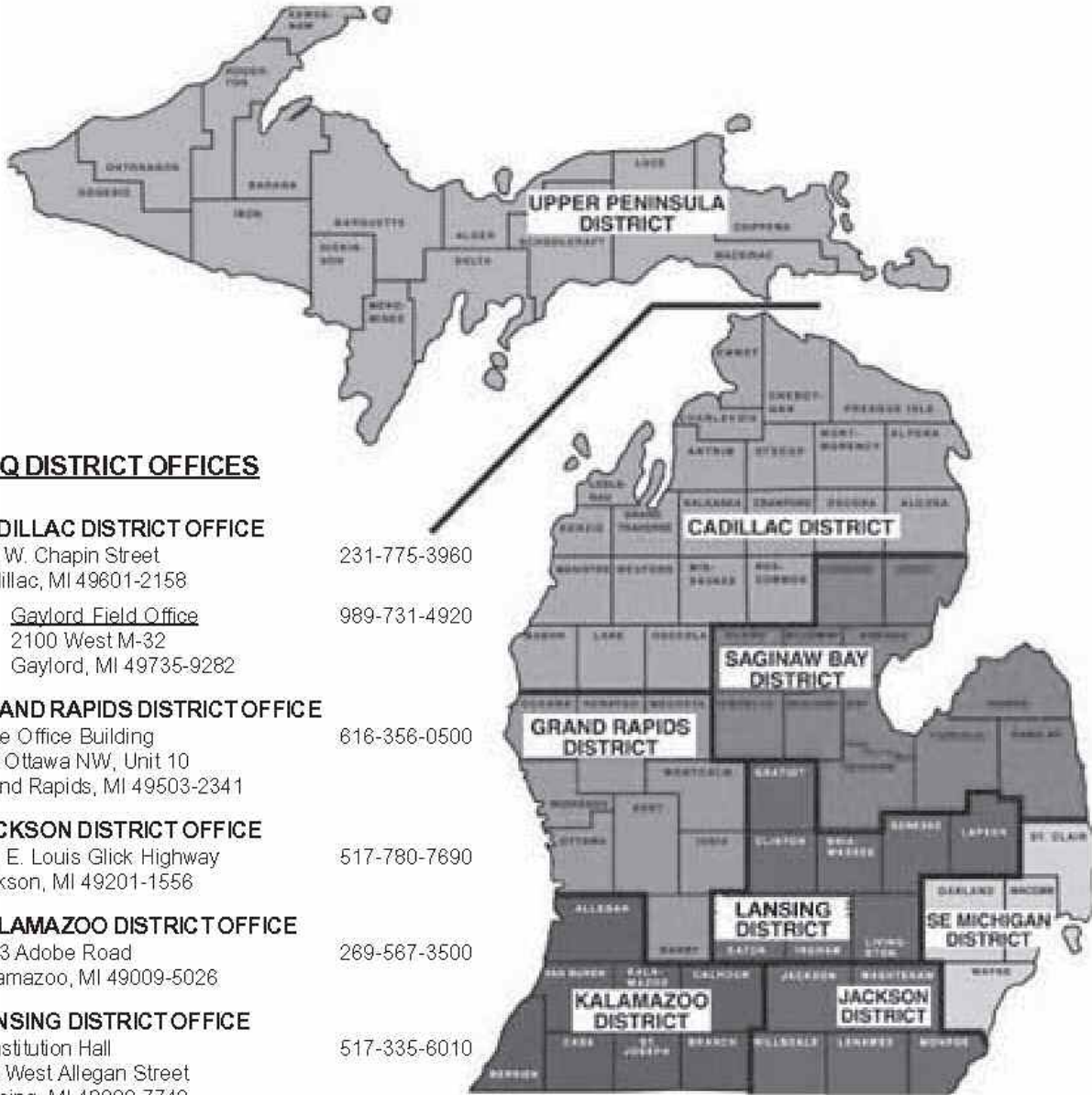
### STATE OF MICHIGAN CLEAN AIR ACT CONTACTS

|  |                     |                 |
|--|---------------------|-----------------|
| Division Chief                             | Vinson Hellwig      | 517-373-7069    |
| General CAA Information                    | Bob Irvine          | 517-373-7042    |
| Title I: Nonattainment Areas               | Bob Irvine          | 517-373-7042    |
| VOC & NO <sub>x</sub> RACT Regulations     | Bob Irvine          | 517-373-7042    |
| Emission Trading                           | Theresa Walker      | 517-335-2247    |
| General & Transportation Conformity        | Bob Rusch           | 517-373-7041    |
| Redesignations                             | Mary Maupin         | 517-373-7039    |
| SE Michigan Ozone Study                    | Craig Fitzner       | 517-373-7044    |
| Ozone Action:                              |                     |                 |
| Clean Air Coalition of Southeast Michigan  |                     | 1-800-66-33-AIR |
| West Michigan Clean Air Coalition          |                     | 1-800-65-OZONE  |
| Title II: Mobile Sources, Reformulated Gas | Bob Rusch           | 517-373-7041    |
| Title III: Air Toxics                      | Cathy Simon         | 517-335-6976    |
| Great Lakes Toxics                         | Joy Taylor-Morgan   | 517-335-6974    |
| Title IV: Acid Rain                        | Brian Carley        | 517-780-7843    |
| Title V: Operating Permit Development      | Joanne Foy          | 517-373-7033    |
| Operating Permit Implementation            | Jerry Avery         | 517-373-7037    |
| Fees                                       | John Schroeder      | 517-335-1588    |
| Small Business Assistance                  | Dave Fiedler (ESSD) | 517-373-0607    |
| Title VI: Stratospheric Ozone              | Renee Honore        | 312-886-0749    |
| EPA Stratospheric Ozone Hotline            |                     | 1-800-296-1996  |
| Title VII: Enforcement                     | Tom Hess (Acting)   | 517-373-7056    |

ESSD: Environmental Science and Services Division  
DEQ Internet Home Page [www.michigan.gov/deq](http://www.michigan.gov/deq) (click on "AIR" on left menu)



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
District Boundaries and Offices



**DEQ DISTRICT OFFICES**

**CADILLAC DISTRICT OFFICE**

120 W. Chapin Street 231-775-3960  
 Cadillac, MI 49601-2158  
Gaylord Field Office 989-731-4920  
 2100 West M-32  
 Gaylord, MI 49735-9282

**GRAND RAPIDS DISTRICT OFFICE**

State Office Building 616-356-0500  
 350 Ottawa NW, Unit 10  
 Grand Rapids, MI 49503-2341

**JACKSON DISTRICT OFFICE**

301 E. Louis Glick Highway 517-780-7690  
 Jackson, MI 49201-1556

**KALAMAZOO DISTRICT OFFICE**

7953 Adobe Road 289-587-3500  
 Kalamazoo, MI 49009-5026

**LANSING DISTRICT OFFICE**

Constitution Hall 517-335-6010  
 525 West Allegan Street  
 Lansing, MI 48909-7742

**SAGINAW BAY DISTRICT OFFICE**

503 N. Euclid Avenue, Suite 1 989-686-8025  
 Bay City, MI 48706-2965

**SOUTHEAST MICHIGAN DISTRICT OFFICE**

38980 Seven Mile Road 734-953-8905  
 Livonia, MI 48152-1006

Detroit Field Office 313-456-4700  
 Cadillac Place  
 3058 West Grand Boulevard, Suite 2-300  
 Detroit, MI 48202-6058

**UPPER PENINSULA DISTRICT OFFICE**

420 5th Street 906-346-8300  
 Gwinn, MI 49841

**ENVIRONMENTAL ASSISTANCE CENTER  
(for general information):**

Telephone: 800-662-9278  
 Fax: 517-241-0673  
 Email: [deq-ead-env-assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov)

**POLLUTION EMERGENCIES**

Telephone: 800-292-4706

**DEQ WEB PAGE**

[www.michigan.gov/deq](http://www.michigan.gov/deq)

## LIST OF DISTRICT CONTACT TEAMS FOR VARIOUS SOURCE CATEGORIES

| ITEM | CATEGORY                                 | *TEAM                             | PHONE NUMBER                            |
|------|--|-----------------------------------|---|
| 1    | Acid Rain Permits (Power Plant Group)    | Brian Carley                      | 517-780-7843                            |
| 2    | Agriculture, Agricultural Services       | Brian Culham                      | 517-335-6301                            |
| 3    | Asphalt Paving Industry                  | Dan McGeen                        | 517-335-6347                            |
| 4    | Automobile Assembly Coating Lines        | Joyce Zhu<br>Robert Lamrouex      | 734-432-1281<br>517-335-6345            |
| 5    | CAM (Compliance Assurance Monitoring)    | Dennis Dunlap                     | 269-567-3553                            |
| 6    | Chemical Manufacturing                   | Jennifer Stark                    | 989-686-8025, ext. 8254                 |
| 7    | Chrome Platers                           | John Fischer                      | 616-356-0231                            |
| 8    | Coke Industries                          | Bernie Sia                        | 734-953-1416                            |
| 9    | Commercial Sterilizers                   | Iranna Konanahalli<br>Kurt Childs | 734-953-1428<br>231-775-3960, ext 6253  |
| 10   | Degreasing                               | Francis Lim                       | 734-953-1421                            |
| 11   | Dynamometers                             | Steve Weiss                       | 313-456-4688                            |
| 12   | Foundries                                | Eric Grinstern<br>Fred Harris     | 616-356-0266<br>269-567-3551            |
| 13   | Fuel Burning                             | Mike Maillard                     | 517-780-7845                            |
| 14   | Gasoline (and volatile liquid) Marketing | Ken Terry                         | 517-335-6353                            |
| 15   | HON (Hazardous Organics NESHAPS)         | Jennifer Stark                    | 989-686-8025, ext. 8254                 |
| 16   | Landfills                                | Dave Thorley                      | 989-705-3409                            |
| 17   | Lumber and Wood                          | Bill Rogers                       | 989-705-3406                            |
| 18   | MAERS                                    | Steve Lachance                    | 616-356-0239                            |
| 19   | Medical Waste Incineration               | Rem Pinga                         | 734-953-1417                            |
| 20   | Off-Site Waste and Recovery Operations   | Chris Ethridge                    | 734-953-1462                            |
| 21   | Oil and Gas Exploration                  | Bill Rogers                       | 989-705-3406                            |
| 22   | Petroleum Refineries                     | Lee Varner                        | 313-456-4684                            |
| 23   | Pharmaceutical Manufacturing             | Dale Turton                       | 269-567-3554                            |
| 24   | Polymers and Resins                      | Jeff Korniski                     | 313-456-4681                            |
| 25   | Printing                                 | Glen Erickson                     | 517-780-7851                            |
| 26   | Rubber and Miscellaneous Plastic         | Al Retlewski<br>Ken Damrel        | 231-775-3960, ext. 6252<br>517-335-6305 |
| 27   | Steel Manufacturing                      | Bernie Sia                        | 734-953-1416                            |
| 28   | Surface Coating                          | Glen Erickson                     | 517-780-7851                            |
| 29   | Waste Oil                                | Steve Walters                     | 313-456-4687                            |
| 30   | Wood Furniture                           | Denise Plafcan                    | 616-356-0259                            |

\*The first staff listed for each source category is considered the team leader.

Appendix B



AIR QUALITY DIVISION  
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

**Michigan Air Pollution Control Laws and Rules**

The state statutes and rules pertaining to air pollution control are administered by the Air Quality Division of the Michigan Department of Environmental Quality. These statutes and rules are identified as Parts 1, 3, 55, 57, 59, 61, 63, and 65 of the Michigan Natural Resources and Environmental Protection Act, Act 451, PA of 1994, and the Air Pollution Control Rules, respectively. You can obtain paper or electronic copies of the state statutes and rules.

The cost for a paper copy of portions of Act 451 related to air pollution control and the Air Pollution Control Rules is \$18.00 plus shipping and handling. If you have any questions about the statutes and rules, contact the Air Quality Division at (517) 373-7023.

To purchase the statutes and rules, mail or fax the completed order form below to:

AIR QUALITY DIVISION  
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
PO BOX 30260  
LANSING MI 48909-7760  
PHONE: (517) 373-7023  
FAX: (517) 241-7440

The Michigan Air Pollution Control Laws and Rules are available via the Internet. The address is [www.michigan.gov/deq](http://www.michigan.gov/deq). Click on "AIR" then on "Air Laws, Rules & Memorandums."

**ORDER FOR MICHIGAN AIR POLLUTION CONTROL LAWS AND RULES**

NAME: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/STATE/ZIP CODE: \_\_\_\_\_

PHONE NO.: ( ) \_\_\_\_\_ FAX NO.: ( ) \_\_\_\_\_


FEDERAL ID: \_\_\_\_\_

NUMBER OF BOOKS REQUESTED: \_\_\_\_\_ @ \$18.00 each plus shipping

\$ \_\_\_\_\_ CHECK MADE OUT TO STATE OF MICHIGAN ENCLOSED

SEND INVOICE WITH THE RULE BOOK(S)

| SHIPPING COSTS: |        |
|-----------------|--------|
| 1 Book          | \$5.50 |
| 2 Books         | \$6.00 |
| 3 Books         | \$6.50 |

  
AIR QUALITY DIVISION  
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
PO BOX 30260  
LANSING MI 48909-7760