

# Registration Permit Application Worksheet

State of Wisconsin  
Department of Natural Resources

AIR POLLUTION CONTROL TYPE A REGISTRATION  
CONSTRUCTION AND OPERATION PERMIT APPLICATION  
Form 4530-156 rev. 03-07

Notice: This Application is for coverage under the Type A Registration Operation Permit and its companion Type A Registration Construction Permit. These two permits are referred to as the Registration Permits throughout the rest of this document. Facilities must apply for coverage under the Registration Permits using this application form, as required under ss. NR 406.17(4)(a), and 407.105(4)(a), Wis. Adm. Code. Failure to submit complete information as required on the form shall be grounds for denial of the application. It is not the Department's intention to use any personally identifiable information from this form for any other purpose. Wisconsin's Open Records law requires the Department to provide this information to others upon request [ss. 19.31 - 19.39, Wis. Stats.]

Complete this Worksheet before proceeding to the Registration Permit On-line Application. See instructions on page 7. If you do not have access to the Internet, call Registration Permit Coordinator, Kristin Hart (608)273-5605 for special instructions on submitting your application.

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1. Facility name and mailing address	Name _____	
	Street or Route _____	
	City, State, Zip Code _____	

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2. Facility location	Street Address _____	
	<input type="checkbox"/> City, <input type="checkbox"/> Village, <input type="checkbox"/> Town _____	
	County _____	

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3. Parent corporation	Name _____	
	Street or Route _____	
	City, State, Zip Code _____	
	Country (if not U.S.) _____	

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4. Responsible official	Name _____	
	Title _____	
	Telephone _____	
	E-mail _____	

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5. Permit contact person	Name _____	
	Title _____	
	Telephone _____	
	Fax _____	
	E-mail _____	

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6. Facility NAICS code description: _____	7. Facility identification number (FID): _____
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8. Describe the facility to be permitted. Include information on air pollution emission units and control devices used at the facility. (See instructions)

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<b>ELIGIBILITY QUESTIONS:</b>		
<p><b>1.</b> Is either of the following true?</p> <p><b>(a)</b> Your facility does <i>not</i> have existing air permits or orders;</p> <p><b>(b)</b> Your facility has one or more existing air pollution control construction permits, operation permits, or orders, <i>and</i> you have received notification from the DNR indicating that these permits or orders can be revoked to allow your facility to be eligible for a registration operation permit.</p> <p>➤ If you answer YES go on to question 2.</p> <p>➤ If you answer NO, then you may not apply for the Registration Permits at this time. You must first apply for revocation of your existing permits. See the additional information immediately below.</p> <p><b>ADDITIONAL INFORMATION:</b> <i>If your facility has any existing air pollution control permits or orders, you must have written notification from the DNR that they can be revoked before you apply for coverage under the Registration Permits. You can request that the DNR revoke these permits and orders by using the Revocation Request form. This form and the Revocation Fact Sheet are available at <a href="http://www.dnr.wi.gov/org/aw/air/apii/regpermits.html">http://www.dnr.wi.gov/org/aw/air/apii/regpermits.html</a>. More information and forms are available in your Application Guide.</i></p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
<p><b>2.</b> Is your facility any of the following?</p> <p><b>(a)</b> An affected source under the acid rain program, ch. NR 409, Wis. Adm. Code;</p> <p><b>(b)</b> A municipal solid waste combustion source as defined under S. NR 500.03(151), Wis. Adm. Code; or</p> <p><b>(c)</b> An infectious waste combustion source (Note: “infections waste” is defined in s. 287.07(7)(c), Wis. Stats.)</p> <p>➤ If you answer YES, then you are not eligible for the Registration Permits.</p> <p>➤ If you answer NO go on to question 3.</p> <p><b>ADDITIONAL INFORMATION:</b> <i>Please refer to Affected Source, Municipal/Infectious Waste Combustor in Part II Section 2. of the Application Guide if you are unclear on how to answer this question.</i></p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
<p><b>3.</b> Are any of the processes at your facility subject to Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) requirements under ch. NR 445, Wis. Adm. Code?</p> <p>➤ If you answer YES, then you are not eligible for the Registration Permits</p> <p>➤ If you answer NO go on to question 4</p> <p><b>ADDITIONAL INFORMATION:</b> <i>When answering this question you should take into consideration conditions in the Registration Permits that would limit your facility’s actual annual emissions to less than 25% of major source thresholds. Please refer to the Case-by-Case Determinations (NR 445 BACT, LAER, LACT) in Part II Section 3 of the Application Guide for additional information if you need more help answering this question.</i></p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO

<b>ELIGIBILITY QUESTIONS:</b>		
<p><b>4.</b> Is either of the following true?</p> <p>(a) Your facility is <i>not</i> subject to any Maximum Achievable Control Technology (MACT) Standard;</p> <p>(b) Your facility is subject to <i>only</i> the recordkeeping and/or notification requirements of a MACT Standard.</p> <p>➤ If you answer YES go on to question 5.</p> <p>➤ If you answer NO, then you are not eligible for the Registration Permits.</p> <p><b>ADDITIONAL INFORMATION:</b> Sources subject to only the recordkeeping and notification requirements of a MACT Standard are still eligible to apply. Appendix C or your Application Guide contains a list of MACT standards. Part II Section 4 of the Guide contains other useful information and links to EPA's MACT website.</p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
<p><b>5.</b> Is one of the following true?</p> <p>(a) Your facility is not subject to any New Source Performance Standard (NSPS) listed in ch. NR 440, Wis. Adm. Code;</p> <p>(b) Your facility is subject to <i>only</i> an NSPS allowed by the ROP;</p> <p>(c) Your facility is subject to <i>only</i> the recordkeeping and/or notification requirements of an NSPS.</p> <p>➤ If you answer YES go on to question 6.</p> <p>➤ If you answer NO, then you are not eligible for the Registration Permits.</p> <p><b>ADDITIONAL INFORMATION:</b> Sources subject to only the recordkeeping and notification requirements of an NSPS are still eligible to apply. There are also some NSPS that are allowed by the permit. The list of allowed NSPS from Section H of the ROP and other useful information are available in Part II Section 5, NSPS, of your Application Guide.</p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO
<p><b>6.</b> Is either of the following true?</p> <p>(a) Your facility does <i>not</i> have air pollution control devices;</p> <p>(b) All air pollution control devices at your facility meet the minimum control efficiencies listed in Section G of the Type A Registration Operation Permit.</p> <p>➤ If you answer YES go on to question 7.</p> <p>➤ If you answer NO, then you are not eligible for the Registration Permits at this time. You may install new control equipment or modify existing control equipment to meet the control device requirements and reapply in the future.</p> <p><b>ADDITIONAL INFORMATION:</b> The minimum control efficiencies required by Section G of the Registration Operation Permit are listed in Part II Section 6, Control Efficiencies, of your Application Guide.</p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO

**ELIGIBILITY QUESTIONS:**

7. The Type A Registration Permit contains a cap on the annual, calendar year emissions from your facility. The cap for the Type A Registration Permits is 25% of the major source thresholds for sec. 112(b) federal hazardous air pollutants, sulfur dioxide, carbon monoxide, VOC, particulate matter, and nitrogen oxides, and a cap on lead emissions of 0.5 tons per year.

Are you willing and able to accept and comply with the Type A Registration Permits' caps on your facility's emissions?

- If you answer YES go on to question 8.
- If you answer NO, then you are not eligible for the Registration Permits at this time. You may install control devices, change raw materials, and/or modify equipment to reduce emissions to below these thresholds and reapply in the future.

**ADDITIONAL INFORMATION:** See Part II Section 7, *Emission Caps*, of your Application Guide for more information on calculating Actual Annual Emissions.

**ADDITIONAL INFORMATION:** This limit equates to annual calendar year emissions of 25 tons of PM<sub>10</sub>, 25 tons of volatile organic compounds, 25 tons of sulfur dioxide, 25 tons of nitrogen oxides, 25 tons of carbon monoxide, 0.5 tons of lead, 2.5 tons of any single sec. 112(b) federal hazardous air pollutant, and 6.25 tons of the total of all sec. 112(b) federal hazardous air pollutants emitted by the facility. Note: Because the limit is 25% of major source threshold, the amount of air pollution you may emit in any calendar year will change if the major source threshold for a pollutant changes. Such changes do not happen without warning, however, and the DNR would inform and provide compliance assistance to all affected facilities in the event that major source thresholds change in the future.

 YES

 NO

**ELIGIBILITY QUESTIONS:**

**8.** Does your facility have maximum controlled emissions of particulate matter which are less than 5 tons per year? (Don't include particulate matter from stacks used only for general building ventilation and stacks venting only emission units listed in Appendix A of the Application Guide. Do calculate emissions by using your maximum controlled hourly emission rate multiplied by 8760 hours per year. If an emission unit's physical design makes it impossible to operate 8760 hours per year, reasonable operating scenarios with fewer operating hours per year may be used in the calculation.)

 YES

 NO

- If you answer YES go on to question 9.
- If you answer NO, then an air quality modeling analysis must be completed for your facility. Fill out the Modeling Assessment available as an Appendix to this Form. You must complete either Part I or Part 2 of the Appendix. Go to question 9 to determine which part.

**ADDITIONAL INFORMATION:** *Particulate matter emissions from stacks serving only emission units listed in Appendix A of the Application Guide and stacks serving only as general building ventilation need not be included in this calculation. See Part II Section 8, Particulate Matter, of your Application Guide for details on calculating maximum controlled emission rates.*

**ADDITIONAL INFORMATION:** *To be eligible for the Type A Registration Permits, facilities that have maximum controlled emissions of particulate matter equal to or greater than 5 tons per year must demonstrate through an air quality modeling analysis that ambient air quality standards for particulate matter are protected. You must fill out the appropriate sections of the Modeling Assessment, which is available as an Appendix to this Form. The completed Appendix will need to be mailed to the Department with your signed Registration Permit Application.*

<b>ELIGIBILITY QUESTIONS:</b>		
<p><b>9.</b> Do all of the stacks at your facility meet <i>both</i> of the following requirements (Don't include those stacks used only for general building ventilation, stacks venting exclusively VOC emissions, and stacks venting only emission units listed in Appendix A of the Application Guide):</p> <p><b>(a)</b> All stacks have an unobstructed discharge within 10 degrees of vertical. <i>Valves designed to open and close at the point of discharge are considered to be unobstructed if they are open at the time of emission; and</i></p> <p><b>(b)</b> All stacks are taller than any building that influences the dispersion of emissions from the stack. <i>A building is considered to influence the dispersion of emissions from any stack that exists within a distance from the building of 5 times the building height.</i></p> <p>➤ If you answered YES to this question and also YES to question 8, then you are eligible for the Registration Permits and may proceed to the Online Application. (see instructions below)</p> <p>➤ If you answered YES to this question and NO to question 8 then you can ask the Department to perform air quality modeling for your facility by filling out Part 2 of the Modeling Assessment, available as an Appendix to this Form. You will need to mail this Appendix and any required attachments with your signed Registration Permits Application. Please proceed to the Online Application. (see instructions below)</p> <p>➤ If you answered NO to this question then you must provide the DNR with the results of an air quality modeling assessment that shows your existing stack configurations and maximum emission rates are protective of air quality standards. Fill out Part I the Modeling Assessment See Appendix to this Form. You will need to mail the Appendix with your signed Registration Permits Application. Please proceed to the Online Application. (see instructions below).</p> <p><b>ADDITIONAL INFORMATION:</b> <i>To be eligible for the Type A Registration Permits all of your facility's stacks (except those used only for general building ventilation and stacks venting only emission units listed in Appendix A of the Application Guide must meet these requirements OR alternatively, you can perform an air quality modeling analysis for your facility to demonstrate that, with your facility's current stack configuration, your emissions will not result in a violation of any air quality standard. See Part II Section 9. of your Application Guide for more information on which pollutants and emission rates trigger these modeling requirements.</i></p>	<input type="checkbox"/> YES	<input type="checkbox"/> NO

### Instructions

After you have completed this application worksheet, you are ready to apply for the Registration Permits. If you do not have Internet access, contact Registration Permit Coordinator Kristin Hart (608)273-5605 for special instructions on submitting your application. All other applicants, go to <http://dnr.wi.gov/org/aw/air/apii/regpermits.html> and click the link to the Registration Permit Applications. Use your worksheet to complete the on-line application. After you have answered all the questions, follow the on-line instructions and print out the final application. The **responsible official** for the facility must sign and date the application. If required, attach the Modeling Assessment and any other supporting documents. Keep a copy of the entire package for your files and mail the original to:

WISCONSIN DEPARTMENT OF NATURAL RESOURCES  
BUREAU OF AIR MANAGEMENT  
AM/7 - ROP  
P.O. BOX 7921  
MADISON, WI 53707-7921

## **Instructions**

### **General Facility Questions**

#### 1. Facility name and mailing address

Provide the full business name and address of corporation, company, association, society, firm, partnership, individual or political subdivision of the state submitting the application.

#### 2. Facility location

Specify the street address; city, and county where the facility is located. Do not use the mailing address, unless it is the same as the street address. Do not use the address of another location where a management unit or other corporate center is located. Check the appropriate box to indicate whether the location is a city, town, or village.

#### 3. Parent corporation

If the facility is wholly or partly owned by another entity, identify that entity. If the buildings or land are rented, then identify the entity that owns and operates the equipment in the buildings on the site.

#### 4. Responsible official

The responsible official is defined in s. NR 400.02(136), Wis. Adm. Code. "Responsible official" means one of the following:

(a) For a corporation, one of the following:

1. A president, secretary, treasurer or vice-president of the corporation in charge of a principal business function.
2. Any other person who performs similar policy or decision-making functions for the corporation.
3. A duly authorized representative of a person listed in subd. 1. or 2. if the representative is responsible for the overall operation of one or more manufacturing, production or operating facilities applying for or subject to a permit and the representative is approved in advance by the Department.

(b) For a partnership or sole proprietorship: a general partner or the proprietor, respectively.

(c) For a municipality, or a state, federal or other public agency: either a principal executive officer or ranking elected official. For the purposes of this paragraph, a principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency, for example, a regional administrator of EPA.

(d) The designated representative.

#### 5. Permit contact person

Identify an individual who can function as the facility's primary contact for the DNR to request additional information concerning the air pollution sources during the permitting process. There are no restrictions on who can be chosen as permit contact person.

#### 6. Facility NAICS code description

The North American Industry Classification System (NAICS) is used to identify the industrial sector which best characterizes a facility's products, services, and manufacturing processes. The electronic application provides a drop down menu of NAICS Titles to choose from. The facility's SIC may also be entered, but is not required. For more help, consult the following websites to identify which NAICS Title best describes your facility: <http://www.census.gov/epcd/www/naics.html>, <http://www.naics.com/search.htm>

#### 7. Facility identification number (FID)

Provide the facility identification (FID) number that appears on the annual emissions inventory reports. If your facility has never submitted such reports and does not have an FID, then leave this blank. The DNR will assign an FID to your facility.

#### 8. Briefly describe the facility to be permitted

Include a sentence on what the facility manufacturers. List the facility's process lines that emit air pollution. If control devices are used, list the control devices, the process lines they control and the pollutants controlled by them. E.g. 1. The facility is an aluminum foundry. Process lines include melting, pouring, cooling, shakeout, molding making, sand handling, grinding and finishing. The facility uses baghouses to control particulate matter from melting, sand handling, shakeout operations, and grinding and finishing operations. E.g. 2. The facility is one 3500 kW portable diesel generator with no control devices. E.g. 3. The facility is a vegetable cannery. The emission units are a 30 mmBtu/hr boiler and a 42 mmBtu/hr boiler. Both units fire natural gas with propane as a backup fuel. Emissions are uncontrolled.

### **Eligibility Questions**

Answer each of the 9 questions. These questions are identical to those displayed for you during your online application process. More information about each question is described in the Application Guide available at <http://www.dnr.state.wi.us/org/aw/air/apii/regpermits.html>.

**AIR POLLUTION CONTROL TYPE A  
 REGISTRATION CONSTRUCTION  
 AND OPERATION PERMIT  
 MODELING ASSESSMENT**  
*APPENDIX TO FORM 4530-156 (11-06)*

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Facility name and	Name	
Facility location	Street or Route Address	
	City, County	
Permit contact person	Name	
	Title	
	Telephone	
	Fax	
	E-mail	

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Facility SIC or NAICS code:	Facility identification number (FID):
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**INSTRUCTIONS**

**PART 1:** If you have performed your own air quality modeling analysis of particulate matter emissions, or if stacks at your facility do not meet the Registration Permit stack requirements of being vertical, unobstructed, and taller than nearby buildings (see Attachment 1) and you are required to perform your own air quality modeling analysis, please complete and submit Part 1 with the signed copy of your Registration Permits Application.

**PART 2:** If the maximum controlled emissions of particulate matter from your facility are 5 tons per year or more yet all of the stacks at your facility, except for general ventilation stacks and stacks venting only emissions units listed in the Attachment 1, meet the Registration Permit stack requirements, and you did not perform air dispersion modeling, please complete and submit Part 2 with the signed copy of your Registration Permit Applications.

**Part 1**

Pollutant	PM		SO <sub>2</sub>			CO		NOx	Other specify
	24-hr	Annual	3-hr	24-hr	Annual	8-hr	1-hr	Annual	
Please Enter the Concentration from the Dispersion Model (in micrograms per cubic meter) (Refer to the Registration Permit Modeling Guidance for details)									
Please Enter the Regional Background Concentration for your County (in micrograms per cubic meter) (Refer to the Registration Permit Modeling Guidance for details)									
Total of the Two Entries above (in micrograms per cubic meter)									
Air Quality Standards (in micrograms per cubic meter)	150	50	1300	364	78	10000	40000	100	

**PART 2 – DISPERSION MODELING REQUEST**

Note: The Department will only perform dispersion modeling for particulate matter from facilities that will meet the Registration Permit stack requirements. If any stacks at your facility do not meet the stack requirements, you must perform air dispersion modeling for your facility and provide the results of air dispersion modeling in Part 1.

**Special Instructions for Part 2:**

DO NOT COMBINE STACKS

Each stack that vents externally and has particulate matter emissions should be listed separately

A Scaled facility plot including building heights is necessary for the timely completion of the modeling analysis. Please insure the following information is on the plot plan:

- ✓ True North
- ✓ A Scale (1 in = 100 ft, etc.)
- ✓ Clearly Marked Structures and Structure Heights
- ✓ All Externally Vented Stacks
- ✓ Any Fences, Roadways, and Physical Obstructions to Plant Property
- ✓ Property Line

**Need help filling out this Part?** If your facility reports to the air emissions inventory, stack specific information such as previously assigned stack and process identifiers, and stack modeling parameters may be available in your inventory report. Questions? Contact your regional air compliance contact or the Registration Permit Coordinator Kristin Hart (608)273-5605

Stack Identifier						
Process Identifier						
Stack Height Above Ground (ft)						
Stack Diameter or Dimensions (ft)						
Normal Exhaust Temperature (°F)						
Normal Exhaust Flow (acfm)						
Particulate Matter Emission Rate (lb/hr)						

## ATTACHMENT 1

### Registration Permit Stack Requirements:

The following requirements apply to all stacks at facilities that are covered by the Registration Operation Permit except those stacks serving emissions units listed below, and stacks serving exclusively as general building ventilation:

- a. Stack vented emissions must be exhausted from unobstructed discharge points that are within 10 degrees of vertical. Stacks that are closed when the process is not operating, but that are open when the process is operating are considered to be unobstructed.
- b. Stacks must be taller than any building that influences the dispersion of emissions from the stack. A building is considered to influence the dispersion of emissions if the stack is located within a circle around the building, the radius of which is 5 times the height of the building.

EMISSION UNITS NOT SUBJECT TO ROP STACK REQUIREMENTS
1. Convenience space heating units with heat input capacity of less than 5 million Btu per hour that burn gaseous fuels, liquid fuels or wood
2. Convenience water heating
3. Maintenance of grounds, equipment and buildings, including lawn care, pest control, grinding, cutting, welding, painting, woodworking, general repairs and cleaning, but not including use of organic compounds as cleanup solvents
4. Boiler, turbine, generator, heating and air conditioning maintenance
5. Pollution control equipment maintenance
6. Internal combustion engines used for warehousing and material transport, forklifts and courier vehicles, front end loaders, graders and trucks, carts and maintenance trucks
7. Fire control equipment
8. Janitorial activities
9. Office activities
10. Fuel oil storage tanks with a capacity of 10,000 gallons or less
11. Stockpiled contaminated soils
12. Demineralization and oxygen scavenging of water for boilers.
13. Purging of natural gas lines.
14. Any emission unit, operation, or activity that has, for each air contaminant, maximum controlled emissions that are less than the level specified in Table 3 of ch. NR 407, Wis. Adm. Code. Multiple emissions units, operations, or activities that perform identical or similar functions shall be combined for the purposes of this determination.
15. If the maximum controlled emissions of any air contaminants listed in Table 3 of ch. NR 407, Wis. Adm. Code, from all emission units, operations or activities at a facility are less than 5 times the level specified in Table 3, for those air contaminants, any emission unit operation or activity that emits only those air contaminants.