



## What is a Registration Permit?

A Registration Permit is a standardized operation permit for use by facilities with low actual air pollution emissions. The permit has already been issued to cover this category of air pollution sources. Eligible facilities apply for and are granted coverage under the Registration Permit.

## What are the benefits of a Registration Permit?

- Flexibility to construct, modify or replace equipment without obtaining a construction permit, as long as the facility continues to comply with all conditions of the Registration Permit after the change.
- Less frequent and less prescriptive monitoring and recordkeeping requirements.
- Swift DNR decisions on permit coverage—15 days or less.
- Simplified permit application process.
- Lower administrative costs—no construction permit, renewal or revision applications to file.

## Who can get a Registration Permit?

Facilities whose actual emissions are, and will continue to be, less than 25 percent of the major source thresholds (except for lead emissions, which is set at 0.5 tons per year). The emission levels associated with 25 percent of major source threshold may change if an attainment area is designated as nonattainment or if a nonattainment area has its classification changed.

<b>Table 1</b>	
<b>Eligibility Thresholds for Type A Registration Permits in Wisconsin</b>	
Pollutant	Actual Emissions
Particulate Matter less than 10 microns (PM <sub>10</sub> )	25 tons/year for attainment areas
Volatile Organic Compounds	25 tons/year for attainment and marginal or moderate nonattainment areas
Nitrogen Oxides	25 tons/year
Sulfur Dioxide	25 tons/year
Carbon Monoxide	25 tons/year for attainment and moderate nonattainment areas
Lead	0.5 tons/year
Section 112(b) Hazardous Air Pollutants	2.5 tons/year for any single pollutant 6.25 tons/year for a combination of all pollutants

## Other requirements, to qualify:

- All stacks, except those for general building ventilation and insignificant emission units, must have vertical unobstructed exhaust points and must be at least as tall as surrounding buildings that have the potential to significantly reduce the dispersion of the emissions from the stack<sup>1</sup>.
  - See [Table 2](#) for the list of Insignificant Emission Units.
  - As an alternative to this condition, a facility can model its emissions to demonstrate compliance with all air quality standards. Modeling results must be submitted with the hard copy of the Registration Permit application.

<sup>1</sup> A building is considered to reduce the dispersion of emissions from a stack if the stack is located within a circle around the building, the radius of which is 5 times the height of the building.

- Regardless of stack configuration, facilities that emit 5 tons of particulate matter per year or more will need to undergo air quality modeling to ensure that the 24-hour standards for PM<sub>10</sub> can be met. DNR will perform this modeling for facilities that meet the above eligibility criteria for all their stacks.
- Pollution control devices at the facility must have control efficiencies equal to or greater than, the efficiencies allowed in the Registration Permit. See [Table 3](#) for the list of control devices and efficiencies.
- Facility cannot be subject to any New Source Performance Standard or National Emissions Standard for Hazardous Air Pollutants, other than those specifically listed in [Table 4](#).
- Facility cannot need a case-by-case determination under ch. NR 445, Wis. Adm. Code, best available control technology (BACT) or lowest achievable emission rate (LAER).
- A facility's existing permit(s) must be revocable by the department. For most businesses, this will be possible.

## What requirements are in the permit?

- Facility emissions may not exceed the thresholds in [Table 1](#).
- Annual recordkeeping of production/usage data necessary to calculate emissions.
- Operation and maintenance of all air pollution control devices and associated monitoring equipment.
- Recordkeeping requirements for pollution control device operating parameters.
- Generic LACT (s. NR 424.03(2)(c), Wis. Adm. Code) requirements.
- A requirement to meet all other state (ch. NR 400 – NR 499, Wis. Adm. Code) and federal air pollution requirements that apply to the facility.
- Facility must submit annual compliance certification/monitoring report and report emissions to the air emission inventory (AEI) each year as required by ch. NR 438, Wis. Adm. Code.
- The facility must submit an annual certification of compliance and monitoring report and pay a \$400 annual permit fee following the first full calendar year of coverage under the permit.

## Is there a downside to a Registration Permit?

Yes.

The Registration Permit does not list the federal and state air pollution requirements that apply to a facility. It is up to the permitted facility to determine what these are. DNR has developed a resource to help a facility sort through the regulations to determine what might apply: the compliance and monitoring summary checklist, Form 4530-179, found under the Registration Permit tab here <http://dnr.wi.gov/topic/AirPermits/Forms.html>.

The Small Business Environmental Assistance Program has materials that can help facilities determine what the applicable requirements are and how to comply with them. Visit their website at: <http://dnr.wi.gov/topic/smallbusiness/>.

## What are the next steps?

- Facilities may apply for a Registration Permit using our online application system or using paper forms. Information for air quality modeling may need to be attached. The application materials are available at <http://dnr.wi.gov/topic/AirPermits/Apply.html>.
- DNR has 15 days to review each application and either grant or deny coverage or ask for more information.

## Where do I go for help?

- For more information on Registration Permits visit DNR's Registration Permit Website at: <http://dnr.wi.gov/topic/AirPermits/Options.html> and click on the Registration tab.
- Contact the Registration Permit Coordinator at (608) 266-7718, or email at [DNRamROPSairpermit@wisconsin.gov](mailto:DNRamROPSairpermit@wisconsin.gov).
- Call or email the Regional Air Pollution Contact for your facility.
  - A list of DNR Air Staff and Regional Service Centers is available at: <http://dnr.wi.gov/staffdir/newsearch/ContactSearchExt.aspx>.
  - You can search for your Regional contact by going to the Permit Search tool at [http://dnr.wi.gov/cias/am/amexternal/AM\\_PermitTrackingSearch.aspx](http://dnr.wi.gov/cias/am/amexternal/AM_PermitTrackingSearch.aspx), searching for your company, and then clicking on the DNR Air Contacts tab.

<b>Table 2 Insignificant Emission Units</b>
Convenience space heating units with heat input capacity of less than 5 million BTU per hour that burn gaseous fuels, liquid fuels, or wood
Convenience water heating
Boiler, turbine, generator, heating and air conditioning maintenance
Deminerlization and oxygen scavenging of water for boilers
Pollution control equipment maintenance
Fire control equipment
Office activities
Janitorial activities
Fuel oil storage tanks with a capacity of 10,000 gallons or less
Purging of natural gas lines
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 clean-up solvents
Internal combustion engines used for warehousing and material transport, forklifts and courier vehicles, front end loaders, graders and trucks, carts and maintenance trucks
Stockpiled contaminated soils
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 emission units, operations, or activities that perform identical or similar functions shall be combined for the purpose of this determination.
If the maximum controlled emissions of any air contaminant 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 emissions unit, operation, or activity that emits only those air contaminants.

<b>Table 3 Control Device Efficiencies</b>						
<b>Control Device</b>	<b>Control Efficiency (Total Enclosure)</b>			<b>Control Efficiency (Hood)</b>		
	<b>PM</b>	<b>PM<sub>10</sub> and PHAP</b>	<b>VOC and VHAP</b>	<b>PM</b>	<b>PM<sub>10</sub> and PHAP</b>	<b>VOC and VHAP</b>
Low efficiency cyclone	40%	20%		32%	16%	
Medium efficiency cyclone	60%	40%		48%	32%	
High efficiency cyclone	80%	64%		60%	48%	
Multiple cyclone w/out fly ash reinjection	80%	60%		64%	48%	
Multiple cyclone with fly ash reinjection	50%	38%		40%	30%	
Wet cyclone separator	50%	40%		38%	30%	
HEPA and other wall filters (including paint overspray filters)	95%	95%		76%	76%	
Fabric filters (e.g., baghouse, cartridge collectors)	98%	92%		78%	73%	
Spray towers	80%	80%	70%	64%	64%	56%
Venturi scrubber	90%	85%		72%	68%	
Condensation scrubber (packed bed)	90%	90%		72%	72%	
Impingement plate scrubber	75%	75%		60%	60%	
Electrostatic precipitators	95%	95%		76%	76%	
Thermal oxidizers			95%			76%
Catalytic oxidizers			95%			76%
Condenser			70%			56%
Flaring or direct combustor			98%			78%
Biofiltration			80%			64%
Adsorber (activated Carbon Systems carbon adsorption, solvent recovery)			85%			68%

*VHAP = Volatile hazardous air pollutant, PHAP = Particulate hazardous air pollutant*

<b>Table 4</b>
<b>Allowable New Source Performance Standards Subparts of 40 CFR Part 60, in (NSPS under Subparts of 40 CFR Part 60 and authority of s. 111, Clean Air Act)</b>
Small Industrial-Commercial-Institutional Steam Generating Units under Subpart Dc (s. NR 440.207, Wis. Adm. Code)
Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After June 11, 1973 and Prior to May 19, 1978 under Subpart K (s. NR 440.27, Wis. Adm. Code)
Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction or Modification Commenced After May 18, 1978 and Prior to July 23, 1984 under Subpart Ka (s. NR 440.28, Wis. Adm. Code)
Volatile Organic Liquid Storage Vessels (Including Petroleum Storage Vessels) for Which Construction, Reconstruction or Modification Commenced After July 23, 1984 under Subpart Kb (s. NR 440.285, Wis. Adm. Code)
Grain Elevators under Subpart DD (s. NR 440.47, Wis. Adm. Code)
Surface Coating of Metal Furniture under Subpart EE (s. NR 440.48, Wis. Adm. Code)
Industrial Surface Coating: Large Appliances under Subpart SS (s. NR 440.57, Wis. Adm. Code)
Petroleum Dry Cleaners under Subpart JJJ (s. NR 440.68, Wis. Adm. Code)
Industrial Surface Coating of Plastic Parts for Business Machines under Subpart TTT (s. NR 440.72, Wis. Adm. Code)
Hot Mix Asphalt Facilities under Subpart I (s. NR 440.25, Wis. Adm. Code)
Nonmetallic Mineral Processors under Subpart OOO (40 CFR Part 60 subpart OOO and s. NR 440.688, Wis. Adm. Code)
Spark ignition internal combustion engines under 40 CFR part 60 subpart JJJJ – only for manufacturer-certified affected engines at area sources.

**Table 4**

Compression ignition internal combustion engines under 40 CFR part 60 subpart IIII – only for manufacturer-certified affected engines that are 2007 model year or later with displacements less than 30 liters per cylinder.

Decorative chromium electroplating and anodizing tanks under 40 CFR part 63 subpart N – only for units that are area sources or located at area sources and which are any of the following:

- Any decorative chromium electroplating operation or chromium anodizing operation that uses fume suppressants as an emission reduction technology
- Any decorative chromium electroplating operation that uses a trivalent chromium bath that incorporates a wetting agent as a bath ingredient

**Allowable National Emission Standards for Hazardous Air Pollutants (NESHAPS under Subparts of 40 CFR Part 63 and authority of s. 112, CAA)**

Any area source NESHAP that controls emissions to a level considered Generally Available Control Technology (GACT):

- Oil and Natural Gas Production - Subpart HH
- Stationary Reciprocating Internal Combustion Engines - Subpart ZZZZ
- Hospital Ethylene Oxide Sterilizers - Subpart WWWW
- Gasoline Distribution Bulk Terminals, Bulk Plants, Pipeline Facilities, and Gasoline Dispensing Facilities - Subpart BBBB
- Primary Nonferrous Metal Production – Zinc, Cadmium, and Beryllium - Subpart GGGGG
- Primary Copper Smelting - Subpart EEEEE
- Polyvinyl Chloride and Copolymers Production at Area Source - Subpart DDDDD
- Secondary Copper Smelting - Subpart FFFFF
- Carbon Black Production at Area Sources - Subpart MMMM
- Acrylic Fibers/Modacrylic Fibers Production at Area Sources - Subpart LLLLL
- Flexible Polyurethane Foam Production at Area Sources - Subpart OOOO
- Lead Acid Battery Manufacturing at Area Sources - Subpart PPPP
- Wood Preserving at Area Sources - Subpart QQQQ
- Chemical Manufacturing Area Sources: Chromium Compounds - Subpart NNNN
- Flexible Polyurethane Foam Production and Fabrication Area Source Operations - Subpart OOOO
- Paint Stripping Operations and Miscellaneous Surface Coating Operations at Area Sources - Subpart HHHH
- Auto Body Refinishing Area Sources - Subpart HHHH
- Plastic Parts and Products (Surface Coating) at Area Sources - Subpart HHHH
- Boilers – Subpart JJJJ – National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers
- Clay Ceramics Manufacturing at Area Sources - Subpart RRRR
- Pressed and Blown Glass Manufacturing Area Sources - Subpart SSSS
- Secondary Nonferrous Metals Processing Area Sources - Subpart TTTT
- Iron and Steel Foundries at Area Sources - Subpart ZZZZ
- Plating and Polishing Operations at Area Sources – Subpart WWWW
- Nine Metal Fabrication and Finishing Source Categories at Area Sources – Subpart XXXX
  - Electrical and Electronic Equipment Finishing Operations
  - Fabricated Metal Products
  - Fabricated Plate Work (Boiler Shops)
  - Fabricated Structural Metal Manufacturing
  - Heating Equipment, except Electric
  - Industrial Machinery and Equipment Finishing Operations
  - Iron and Steel Forging
  - Primary Metal Products Manufacturing; and
  - Valves and Pipe Fittings.

**Table 4**

**and**

Any New Source Performance Standard (NSPS) or National Emissions Standard for Hazardous Air Pollutant (NESHAP) where the facility or process is subject to only the recordkeeping or notification requirements of that standard. Other NESHAP for Area Sources that may be controlled to a level of Generally Available Control Technology (GACT) that is not listed here. For questions on which standards might be included, contact Registration Permit Program Coordinator at (608) 266-7718 or [DNRRamROPSairpermit@wisconsin.gov](mailto:DNRRamROPSairpermit@wisconsin.gov).

**DISCLAIMER** —This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

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