



WISCONSIN DEPARTMENT OF NATURAL RESOURCES NOTICE OF FINAL GUIDANCE & CERTIFICATION

Pursuant to ch. 227, Wis. Stats., the Wisconsin Department of Natural Resources has finalized and hereby certifies the following guidance document.

DOCUMENT ID

AM-19-0048

DOCUMENT TITLE

Fact Sheet for Wastewater Treatment Plants and Registration Permits

PROGRAM/BUREAU

Air Management

STATUTORY AUTHORITY OR LEGAL CITATION

Section 285.60, Wisconsin Statutes; Chapters NR 406 and NR 407, Wisconsin Administrative Code

DATE SENT TO LEGISLATIVE REFERENCE BUREAU (FOR PUBLIC COMMENTS)

November 4, 2019

DATE FINALIZED

December 2, 2019

No comments were received during the comment period 04NOV2019 to 25NOV2019

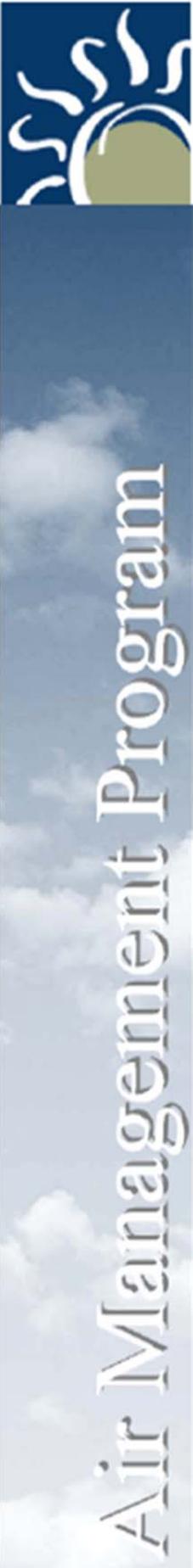
DNR CERTIFICATION

I have reviewed this guidance document or proposed guidance document and I certify that it complies with sections 227.10 and 227.11 of the Wisconsin Statutes. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is not explicitly required or explicitly permitted by a statute or a rule that has been lawfully promulgated. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is more restrictive than a standard, requirement, or threshold contained in the Wisconsin Statutes.

November 27, 2019

Signature

Date



Air Program Fact Sheet

How does a Wastewater Treatment Facility get a Registration Permit?

February 2017

Registration permits

The air registration permit (ROP) allows small wastewater treatment facilities to quickly register themselves for a permit in return for keeping air emissions low.

Application process

To apply, use the Online Application System through DNR's Switchboard (<http://dnr.wi.gov/topic/AirPermits/Apply.html>). Applicants receive a decision within 15 days.

The **Type A Registration Permit** is available for qualifying wastewater treatment facilities that have air emissions below 25 tons per year of each criteria pollutant, 2.5 tons per year of each federal hazardous air pollutant, 6.25 tons per year of all federal hazardous air pollutants combined and 0.5 tons per year lead.

This permit contains facility-wide emission caps as well as monitoring, recordkeeping and reporting requirements. It allows a facility to make changes without the need for a construction permit. This type of permit never expires. The annual fee is \$400.

Required information:

- Know the facility identification number if the facility has one (if not, leave blank and one will be assigned); NAICS code (231320); facility plot plan that includes stack parameters, fences, and property boundaries; inventory of equipment that has air emissions (boilers, engines, generators located on site and at lift stations off site, storage tanks for petroleum products); inventory of air pollution control devices (baghouses, filters, oxidizers, flares).
- For each boiler: know the heat input capacity, fuel types and date of construction or modification.
- For each engine and generator: know the date of order, manufacture, modification or reconstruction; maximum power rating, make, model and type and fuel types and have the manufacturer's specification sheet. For spark ignition engines, know whether it is lean or rich burn, and for compression ignition engines, know the engine displacement.

Who can help?

Department staff are available to help you through this process. Please contact the Registration Permit Coordinator:

- by phone at 608-273-5605, or
- DNRAMROPSAirPermit@Wisconsin.gov

Additional application resources

- *Type A Registration Permits* fact sheet (<http://dnr.wi.gov/files/PDF/pubs/am/AM364.pdf>) explains the program and who qualifies.
- *Registration Permit Application Guide for Type A Registration Permit* (<http://dnr.wi.gov/files/PDF/pubs/am/AM539.pdf>) is a detailed guidebook that will help a facility understand what it means to be covered by a Registration Permit. The booklet contains chapters explaining each eligibility question in detail with links to even more in-depth information. Working through the guide before applying online will greatly simplify the application process.

Compliance assistance documents

- *Registration Permit Compliance Checklist* (<http://dnr.wi.gov/files/PDF/pubs/am/AM519.pdf>) assists facilities in meeting the compliance requirements under the Type A Registration Permit.
- *Modeling flow chart* (<http://dnr.wi.gov/topic/AirPermits/documents/modelingForROPs3.pdf>) explains the air quality modeling requirements that apply to facilities after coverage under the Type A Registration Permit.
- DNR's *Air Dispersion Modeling* website (<http://dnr.wi.gov/topic/AirPermits/modeling.html>) provides links to air quality models as well as links to the most current background concentrations.

Where can a facility find more information and get help?

These resources will help a facility learn more about the requirements of various regulations and find technical assistance.

Air permits

- For more information about Registration Permits, visit the *Air permit options* website (<http://dnr.wi.gov/topic/AirPermits/Options.html>) and select the "registration" tab.
- The *Air Pollution Permits* website (<http://dnr.wi.gov/topic/SmallBusiness/PermitTypes.html>) from the DNR's Small Business Environmental Assistance Program (SBEAP) has information and helpful fact sheets relating to air permits.
- The *Air Permits* page (<http://dnr.wi.gov/topic/AirPermits/>) from the DNR has good background information and includes some *Frequently Asked Questions* about air permits (<http://dnr.wi.gov/topic/SmallBusiness/Primer/FAQ.html>).
- DNR's *Air program contacts* page (<http://dnr.wi.gov/topic/airquality/contacts.html>) has staff contact information for different topic areas.

For help with emissions calculations, check these spreadsheets that are available from SBEAP:

- *Actual Emissions Worksheet*:
<https://dnr.wi.gov/topic/SmallBusiness/documents/air/EmissionsWorksheet.xlsx>
- *Maximum Theoretical Emissions (MTE) calculations worksheet*:
<http://dnr.wi.gov/topic/SmallBusiness/documents/air/EmissionsWorksheetMTE.xlsx>

Engines

- *Reciprocating Internal Combustion Engines (RICE)* (<http://www.epa.gov/region1/rice/>) from EPA's New England region is an excellent website with a summary of the federal engine rule.
- The *Combustion Portal's RICE* website (<http://www.combustionportal.org/rice.cfm>) is another good source of information about this rule. The site offers a *RICE NESHAP Applicability Tool* (<http://www.combustionportal.org/ricecalc.cfm>) that allows a facility to input engine information and displays the requirements for different types/sizes of engines.
- *REG NAV* is EPA's online quiz (<http://www.epa.gov/ttn/atw/rice/output/quiz.html>) for help determining applicability of the RICE rule and the requirements for different engines.

Boilers

- EPA's *Small Entity Compliance Guide for Area Source Boilers* (<https://www.epa.gov/stationary-sources-air-pollution/small-entity-compliance-guide-area-source-boilers-national-emission>) contains a good summary of the federal boiler rule and walks through the process of determining the requirements for various boilers.
- The *Combustion Portal's boiler* website (<http://www.combustionportal.org/boilerregulations.cfm>) summarizes information about the federal rule, and provides some state-specific information.

- Combustion Portal also offers *Combustion Emission Calculators* (<http://www.combustionportal.org/calculator.cfm>) to help calculate emissions from boilers burning various fuels.
- EPA’s *Boiler Compliance* website (<https://www.epa.gov/stationary-sources-air-pollution/compliance-industrial-commercial-and-institutional-area-source>) provides a summary of the federal boiler rule along with news about the current status of changes.

Compliance with Wisconsin’s Hazardous Air Pollutants (HAPs) rule

- For information on the DNR’s Air Toxics Program, visit the *Air Regulations* web page (<http://dnr.wi.gov/topic/SmallBusiness/Regulations.html>) and click on the “state regulations” tab. This page provides an overview of the state HAPs rule.
- The hazardous air pollutant chemicals in Wisconsin are listed in the state rule, *ch. NR 445* (http://docs.legis.wisconsin.gov/code/admin_code/nr/400/445) and on DNR’s *Chemical Table* website (<http://dnr.wi.gov/topic/AirQuality/toxics.html>) under the “chemical spreadsheet tool” tab

Technical assistance

Those needing help from an environmental consultant can check these fact sheets available from SBEAP:

- *Tips for Hiring an Environmental Consultant* (<http://dnr.wi.gov/files/pdf/pubs/sb/sb005.pdf>)
- List of *Clean Air Consultants* in Wisconsin (<http://dnr.wi.gov/files/pdf/pubs/sb/sb004.pdf>)

Questions?

The Small Business Environmental Assistance Program provides information to Wisconsin small businesses to help them understand air pollution requirements and comply with regulations. For questions about these regulations and how they affect a facility, please feel free to contact us by phone at 855-889-3021 or email at DNRSMB@wisconsin.gov, or visit our website at <http://dnr.wi.gov/topic/SmallBusiness/>. Our program is advisory, non-regulatory, and free!

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. 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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