

This factsheet is meant to help small wastewater treatment facilities and municipal water supply systems determine whether an air pollution control permit is required for their facility.

**Do I need an Air Pollution Control Permit?**



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| <p><b>NO</b></p>    | <p>You do not need a permit if the <i>only</i> equipment you have that emits air pollution is:</p> <p><b>Emergency electrical generators:</b></p> <ul style="list-style-type: none"> <li>• with electrical output less than 3000 kilowatts, <i>and</i></li> <li>• that operate less than 200 hours per year, <i>and</i></li> <li>• do not offset electrical rates, peak shave or participate in a financial arrangement with another entity, <i>and</i></li> <li>• are powered by internal combustion (IC) engines fueled by natural gas, ULSD diesel, distillate fuel oil or gasoline</li> </ul> <p>and/or <b>Boilers</b> that are:</p> <ul style="list-style-type: none"> <li>• natural gas-fired with max rated heat input capacity of not more than 25 mmBTU per hour, <i>or</i></li> <li>• distillate fuel oil-fired with max rated heat input capacity of not more than 10 mmBTU per hour</li> </ul> <hr/> <p><b>Who usually qualifies?</b> Municipal water supply systems and/or wastewater treatment facilities that do <u>not</u> have an anaerobic digester unit can often fit into this category.</p> <hr/> <p><b>NOTE:</b> Please be aware that you are still required to meet emission limits and management practices of Federal Standards for your emergency generators. See page 2 and <a href="http://www.epa.gov/tn/atw/rice/output/quiz.html">http://www.epa.gov/tn/atw/rice/output/quiz.html</a> for more details.</p> <p>If your facility has several emission units that individually meet the exemptions described above, the Department recommends you contact your regional air management staff to ensure no permitting requirements are triggered by the cumulative impact of all units.</p> |
| <p><b>YES</b></p>   | <p>You <i>will</i> need a permit if:</p> <ul style="list-style-type: none"> <li>• Your facility-wide total capacity of all biogas-fired engines is <math>\geq</math> 120 hp (90 kilowatts); or</li> <li>• You operate your facility’s engine as a peak-shaving unit or supply power as a financial arrangement with another entity; or</li> <li>• You operate several types of combustion units at your facility.</li> </ul> <hr/> <p><b>NOTE:</b> Even if you fall into this category, you may still qualify for the Air Program’s simple and streamlined Registration Permit (ROP).</p> <ul style="list-style-type: none"> <li>• For more information, see the permit resources on registration permits on the small business website <a href="http://dnr.wi.gov/files/PDF/pubs/am/AM488.pdf">http://dnr.wi.gov/files/PDF/pubs/am/AM488.pdf</a>.</li> <li>• For information on how to apply for a standard individual permit, see the Air Program’s webpage at: <a href="http://dnr.wi.gov/topic/AirPermits/Apply.html">http://dnr.wi.gov/topic/AirPermits/Apply.html</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p><b>MAYBE</b></p> | <p>You <i>may</i> need a permit if:</p> <ul style="list-style-type: none"> <li>• Your facility does not fit into either the “Yes” or “No” categories above.</li> </ul> <p>Please contact the Air Management Program for help with determining whether or not a permit is required and, if so, what type of permit best fits your facility.</p> <p>Please call or e-mail:<br/>                 Rick Wulk – 920-662-5181<br/>                 E-mail: <a href="mailto:richard.wulk@wisconsin.gov">richard.wulk@wisconsin.gov</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

# WWTP and Water Supply Systems – Do I Need an Air Pollution Permit?

## Requirements for Emergency Engines/Generators

Please note, if you have an emergency engine or generator, some requirements still apply:

**Each Engine** is required to:

- have a non-resettable hour meter
- operate according to manufacturer's written instructions
- be certified to meet U.S. EPA Tier 1 or Tier 2 or later standards for the same model year and name plate power rating
- burn diesel fuel with sulfur content of 15ppm or less

**Operating Limits** for each emergency engine generator set:

- Maintenance checks and readiness testing are limited to 100 hours per year.
- Any operation other than emergency operation, maintenance and testing and operation in non-emergency situations for more than 50 hours per year is prohibited.

**Note:** there is no time limit on the amount of use during an emergency situation.

**Management Practices** for engines:

- Change oil and filter every 500 hours of operation or annually, whichever comes first.
- Inspect air cleaner or spark plugs every 1,000 hours of operation or annually, whichever comes first.
- Inspect all hoses and belts every 500 hours of operations or annually, whichever comes first, and replace as necessary
- Minimize time spent at idle. Start-up time should not exceed 30 minutes. **Note:** after 30 minutes non-startup, emission limitations apply

**Reporting and Recordkeeping Requirements:**

- Note deviations from operating limits including the total operating time and date of the deviation
- Keep records of:
  - the maintenance conducted
  - manufacturer's certification
  - written operating instructions
- Keep records of hours spent for emergency and non-emergency operations
- Notify U.S. EPA of emergency situations

For Questions and Additional Information contact:

Rick Wulk – 920-662-5181

E-mail: [richard.wulk@wisconsin.gov](mailto:richard.wulk@wisconsin.gov)

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**Wisconsin Department of Natural Resources**

Bureau of Air Management

Box 7921- AM/7

Madison, WI 53707

PHONE 608-266-7718 • FAX 608-267-0560