

# AIR MANAGEMENT PROGRAM FACT SHEET



AM-381 2022

## General Permits for Crushers

November 2022

### What is a general permit for crushers?

General permits for crushers contain standard requirements that apply to the non-metallic mining industry and are available to all portable and most stationary facilities. The general permit for crushers authorizes the construction (i.e. setting up) and operation of new and existing crushers. The permit covers the primary crusher and all ancillary equipment associated with the crushing spread, excluding any air pollution control device.

### What are benefits of a general permit?

- flexibility to construct, modify, or replace equipment (with exception of the primary crusher) without obtaining a construction permit as long as the facility continues to comply with all conditions of the general operation permit after the change
- one set of requirements for companies with multiple crushers
- swift decision – permit coverage decision made in 15 days or less
- simplified permit applications and permitting process
- lower administrative costs - no permit revisions or permit renewals are necessary because the general operation permit does not expire
- no construction permit fee

### What facilities can apply for a general permit?

All portable crushers and most stationary crushers can obtain a general permit. The Wisconsin Department of Natural Resources (DNR) will perform modeling for a stationary crusher to determine if it is eligible for a general permit. For the purposes of the permit, a crusher is any facility that identifies 1422 as a primary Standard Industrial Classification (SIC) code or 212312 as a primary North American Industry Classification System (NAICS) code for operations at the facility.

### What are the facility emissions limitations in a general permit?

Crushers subject to the New Source Performance Standards (NSPS) need to comply with the applicable emission standards.

**Table 1: Crushers General Permit Limits**

Pollutant/Synthetic Minor Condition	Limitation
Particulate matter (PM <sub>10</sub> )	• 250,000 tons of aggregate processed/month, 12 month rolling average
Nitrogen oxides/attainment area	• 20,000 gallons or equivalent gallons of fuel/month, 12 month rolling average
Nitrogen oxides/ozone non-attainment area	• 6,870 gallons or equivalent gallons of fuel/month, 12 month rolling average
Asbestos	• No recycling/crushing of asbestos containing materials

**Table 1: Crushers General Permit Limits**

Pollutant/Synthetic Minor Condition	Limitation
Section 112(b) Hazardous air pollutants – IC engines (gen-sets)	<ul style="list-style-type: none"><li>• Sulfur content of the fuel oil burned may not to exceed 15 ppm sulfur</li><li>• Tier 2 emission standards for stationary sources *</li></ul>

\*NOTE: Tier 2 is applicable if the internal combustion engine remains or intends to remain in a single location for any 12-consecutive month period and combusts or intends to combust 10,000 gallons or more of fuel during that period of time.

In addition:

- Internal combustion (IC) engines (gen-sets) rated greater than 600 brake horsepower may not use more than 70 gallons of fuel per hour or emit more than 1.0 pounds of fine particles per hour.
- Gen-sets rated 600 brake horsepower or less may not use more than 30 gallons of fuel per hour or emit more than 1.31 pounds of fine particles per hour.

### Are there other eligibility criteria?

Yes. The following is a list of eligibility criteria.

- Combustion units used at the facility may burn only biodiesel, distillate oils, gasoline, any combination of these fuels, or equivalent of butane, propane, or natural gas.
- Internal combustion (IC) engines (gen-sets) must have a vertical, unobstructed exhaust stack at least 12.0 feet above ground level and the stack inside diameter at the outlet may not exceed 1.3 feet.
- A DNR approved Fugitive Dust Control Plan must be followed. Applicants may elect the plan that is pre-approved by the DNR, which is included in the application materials, or submit their own plan for approval.
- A facility's existing individual construction and/or operation permits must be revocable by the DNR. For most businesses, this will be possible.
- Facilities that have a general construction permit, will receive a general operation permit, upon submittal of proof of compliance with the visible emission limitations, along with an application for the general operation permit.

### What requirements are in a general permit?

- Facility production and fuel use may not exceed the limits in Table 1.
- The sulfur content of the fuel oil burned by the gen-sets may not exceed 15 ppm sulfur.
- Annual recordkeeping of production/usage data necessary to calculate emissions.
- Must meet all state (chs. NR 400 – NR 499, Wis. Adm. Code) and federal air pollution requirements that apply to the facility.
- Facility must submit annual a compliance monitoring report/compliance certification and report the facility's emissions to the air emission inventory (AEI) each year.
- All replacement equipment other than the primary crusher is exempt from permitting requirements. However, the facility must notify the DNR of the replacement equipment and perform any required visible emissions testing on that equipment.
- New primary crushers will need to obtain a construction permit.
- Facilities receiving a general construction permit are required to perform visible emissions testing on all equipment that is covered in the permit. This requirement is the same for a facility receiving an individual construction permit.

### Are there other considerations before applying for a general permit?

Yes. The permit does limit production to 250,000 tons of aggregate processed per month based on a 12-month average. Additionally, generator fuel use is limited to 20,000 gallons per month, and when operating in ozone

nonattainment counties, 6,870 gallons per month, both based on a 12-month average. It is up to the facility to determine whether they can operate within the restrictions of the general permit for crushers.

## What are the next steps?

Coverage under a general permit must be requested by the responsible official using forms provided by the Air Management Program. Download the nonmetallic mineral processing general permit application form, 4530-141, from the forms page, under the [General and Registration Permit Forms tab](#). The DNR has 15 days to review each application and either grant or deny coverage or ask for more information.

Email an electronic copy of the completed application to [DNRAMAirPermit@wisconsin.gov](mailto:DNRAMAirPermit@wisconsin.gov). The DNR will respond with an email with instructions for e-Signing or submitting an ink signature upon receipt of the electronic application. A photocopied or scanned signature does not meet the DNR's signature requirements. The DNR will not process an application until the signature is received. It is also an option to send the original hard copy, signed by the responsible official, to:

Wisconsin Department of Natural Resources  
Air Management Program  
ATTN: General Permits  
PO Box 7921  
Madison, WI 53707-7921

## For more information:

- For details on the permit application process, contact the [general permit coordinator](#).
- The Small Business Environmental Assistance Program (SBEAP) has permit and compliance resources available on the [Rock Crushing](#) webpage. Contact the SBEAP at [DNRsmallbusiness@wisconsin.gov](mailto:DNRsmallbusiness@wisconsin.gov) or (855)889-3021.

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