

Air Program Fact Sheet • General Permits for Crushers

August, 2007

WHAT IS A “GENERAL AIR 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. There are two types of General Permits for Crushers; General Construction Permits for new crushers, and General Operation Permits for existing crushers. Older permits (G-10) are being replaced with this permit (G-20) due to rule changes. The permits cover the primary crusher and all ancillary equipment associated with the crushing spread.

WHAT ARE THE BENEFITS OF THE GENERAL PERMIT FOR CRUSHERS?

- 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 DNR permit decisions—15 days or less.
- Simplified permit applications and permitting process.
- Lower administrative costs—no revisions or permit renewals (the general operation permit does not expire).
- No construction permit fee! The construction permit fee is waived because the plants regulated under the general construction permit are not major sources.

WHO CAN GET ONE?

- All portable crushers and most stationary crushers can get a general permit. The Department 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.

EMISSIONS LIMITATIONS

- 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 particulate matter per hour.
- IC engines (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 particulate matter per hour.

Pollutant/Synthetic Minor Condition	Limitation
Particulate Matter or PM10	• 250,000 tons/month, 12 month rolling average for aggregate processed
Nitrogen Oxides/Attainment Area	• 20,000 gallons of fuel/month, 12 month rolling average
Nitrogen Oxides/Ozone Non-attainment Area	• 6,870 gallons of fuel/month, 12 month rolling average
Asbestos	• No recycling/crushing of asbestos containing materials
Section 112(b) Hazardous Air Pollutants	• Fuel sulfur content not to exceed 500 ppm until 2010 then it becomes 15 ppm sulfur content • Tier 2 emission standards for stationary sources ¹

¹ 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.

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OTHER ELIGIBILITY CRITERIA:

- Combustion units used at the facility may burn only biodiesel, distillate oils, gasoline, any combination of these fuels, or butane, propane, or natural gas.
- IC engines (gen-sets) must have a vertical unobstructed exhaust point at least 12.0 feet above ground level and the stack inside diameter at the outlet may not exceed 1.3 feet.
- A Department-approved Fugitive Dust Control Plan must be specified. Applicants may elect to specify the Department-approved plan which is included in the application materials or submit their own for approval.
- A facility's existing traditional individual operation permits must be revocable by the department. 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 THE PERMIT?

- Facility production and fuel use may not exceed the limits in Table 1.
- During the period 2007 through 2009, fuel sulfur content may not exceed 500 ppm. On December 1, 2010 the sulfur content may not exceed 15 ppm sulfur.
- Annual recordkeeping of production/usage data necessary to calculate emissions.
- Must meet all other state (NR 400 – NR 499) 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.
- All replacement equipment other than the primary crusher is exempt from permitting requirements. However, the facility must notify the Department of the replacement equipment and perform any required Visible Emissions testing on that equipment.
- New primary crushers will need to receive 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.

IS THERE A DOWNSIDE TO A GENERAL PERMIT?

- Yes. The permit does limit production to 250,000 tons 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 or not they can operate within the restrictions of the general permits.

NEXT STEPS

- Crushing facilities that already have the older general operation air permit (G-10) will automatically receive the General Operation Permit for Crushers (G20). Interested facilities without a current general operation permit should request revocation of their existing permits. DNR will notify each facility if all of its permits can be revoked. If they cannot be revoked, then the facility is not eligible for a General Operation Permit for Crushers. The Revocation Form is available at <http://dnr.wi.gov/air/permits/streamlining/regpermits.html>.
- After revocation of existing permits, download the permit application forms (4530-141, 142, 143, 144 and 148) from <http://dnr.wi.gov/air/permits.html>. Complete the forms and send them to Joseph Brehm, Bureau of Air Management, Re: General Permits for Crushers, 101 South Webster St., PO box 7921, Madison, WI 53703. DNR has 15 days to review each application and either grant or deny coverage or ask for more information.

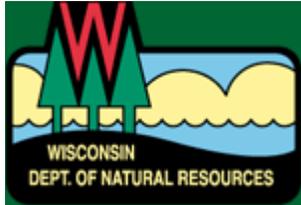
FOR MORE INFORMATION

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- For more information on general permits and to download this fact sheet, please see:
<http://dnr.wi.gov/air/permits/streamlining/GeneralPermits.html>
- General Permit for Crushers Contact: Joe Brehm 608-267-7541, Joseph.Brehm@wisconsin.gov

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