

Quick guide – Nonmetallic mineral processing air emission inventory report

General permittees instructions

Report your processes for calendar year **2020**.

Site name

To report for all aggregate processing plants covered under your general permit, make copies of the form and fill out one form per location/site. Note the “Site Name” under “ID#”.

Production and processing

When filling out the “Total Amount Crushed”, “Total Fines Crushed”, “Total Screened”, and “Total Transferred”, multiply the amount of material processed through that emission unit by the number of times the material is crushed, screened, or transferred. Stacking conveyors should be counted as transfer points.

Process	Example
Total amount crushed	If 50,000 tons of aggregate is crushed once and then 50 percent of that is crushed a second time, the throughput for total crushed would be 75,000 tons.
Total fines crushed	If 25,000 tons of aggregate is crushed once and then crushed a second time into a final product of 3/16 inch or less, the throughput for total fines crushed would be 25,000 tons.
Total screened	If 25,000 tons of aggregate is sent through a screening operation two separate times, the throughput for total screened would be 50,000 tons.
Total transferred	If 50,000 tons of aggregate is moved through five transfer drops, the throughput for total transferred would be 250,000 tons.

Each time the material is crushed, screened, or transferred, a new plume of dust (i.e. particulate matter) is released to the air making each crush, screen, and transfer an emission source.

If you operate a wash plant, all crushing operations should be reported. Only report the amount of material screened and transferred prior to aggregate washing. Any material moved after washing is assumed to be too wet to release much dust to the air.

Non process dust control option/unpaved roads

The non process dust control option is selected from the Stationary Source Designations matrix found in the General Permit Technical Support Document.

If the raw or finished material is hauled on unpaved roads, list the round trip distance (**not the total vehicle miles**) traveled on unpaved roads from the loading area at the site to the road located outside the facility’s property line.

If you are also a hot mix asphalt plant operator and have accounted for the distance traveled on unpaved roads to bring the aggregate to the hot mix plant on the asphalt emission inventory, do not report the information on your nonmetallic emission inventory.

Sand heaters

Please identify amount of fuel used during the calendar year.

Generators/internal combustion engines

Please identify amount of fuel used during the calendar year.

What happens next?

The Minnesota Pollution Control Agency (MPCA) will use the information collected on your emission inventory form to calculate actual emissions for your facility based on emission factors listed in the General Permit Technical Support Document.

Once you have completed your inventory, sign, date, and return the original form postmarked no later than **April 1, 2021**, to:

Nate Edel
Minnesota Pollution Control Agency
Environmental Outcomes Division
520 Lafayette Road North
St. Paul, MN 55155