



## Minnesota Pollution Control Agency

### Instructions for Completing the Nonmetallic Mineral Processing Emission Inventory

Complete the emission inventory (EI) only when your facility's processes are finished for the calendar year.

#### Site Name

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

#### Production and Processing

- When filling out the "Total Amount Crushed", "Total Fines Crushed", "Total Screened" and "Total Transferred" please note that we are asking for you to multiply the amount of material processed through that emission unit by the number of times the material is crushed, screened and transferred. Stacking conveyors should be counted as transfer points. For example, if the material is moved through five transfer drops, the total throughput will be the amount of material transferred multiplied by five. Another example, if 50,000 tons of aggregate is crushed once and then 50 percent of that is crushed a second time, the throughput for crushing would be 75,000 tons.

With the conveyor example, each time the material is dropped, a new plume of dust (i.e. particulate matter) is released to the air. Each transfer drop, then, is an emission source. So, it is appropriate to multiply the amount of material transferred by the number of emission sources to calculate the total amount of particulate matter released to the air.

- Total Fines Crushed is a new process on the EI, this selection covers the option of fines crushing, final product is 3/16 inch or less. Fines crushing is an item covered in the Non-Metallic Mineral Processing General Permit.
- If you operate a wash plant, all crushing operations should be reported, but 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 Control Option/Unpaved Roads

- The non process control option is selected by the Permittee from the Stationary Source Designations matrix found in the Non-Metallic Mineral Processing General Permit Technical Support Document (TSD).
- 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 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 you have accounted for the distance traveled on unpaved roads to bring the aggregate to the hot mix plant on the asphalt emission inventory, you need not report the information on the nonmetallic emission inventory, too.

### Sand Heaters

- This process was added to the revised Non-Metallic Mineral Processing General Permit, please identify amount of fuel used.

### Generators/Internal Combustion Engines

- Please identify amount of fuel used in internal combustion engines.
- Diesel/Biodiesel Mix was added to the revised Non-Metallic Mineral Processing General Permit.

The MPCA will use the information collected on the EI form to help calculate the actual emissions for the facility based on emission factors stated in the Non-Metallic Mineral Processing General Permit Technical Support Document (TSD).

Once you have completed the inventory, sign and date the certification **and return it no later than April 1, 2012**, to Nate Edel at:

Minnesota Pollution Control Agency  
Environmental Outcomes Division  
Environmental Data Management Unit  
520 Lafayette Road North  
St. Paul, MN 55155