



# Aggregate Processing Plant

*This guide is intended for true minor sources only.*

## **What is a True Minor Source?**

Air pollution sources whose potential to emit (PTE) is less than the major source annual emission thresholds are considered minor sources. Potential to Emit (PTE) is defined at Section 39.5 of the Illinois Environmental Protection Act and is used to predict the release of air contaminants from an emission source operating at its maximum rate capacity, 24 hours per day, 365 days a year.

A true minor air pollution source is one that, even operating at its maximum capacity and continuously, cannot exceed the major source annual emission threshold levels. A true minor source should not be confused with a synthetic minor source which is an air pollution source that has a Federally Enforceable State Operating Permit (FESOP) with conditions that legally restrict its PTE to below the threshold levels.

## **WHAT SHOULD YOUR PERMIT APPLICATION INCLUDE?**

### **Cover Letter**

- Describe the aggregate processing plant for which a construction and/or operating permit is being requested, including a complete list of materials proposed to be processed and the source of those materials.
- Indicate if the site already has an Illinois EPA air operating permit. If it does, detail if the permit is still representative of existing conditions at the site or if changes need to be made to the operating permit due to changes at the site since the existing operating permit was issued.

### **Description of the Operation**

A written summary and/or table(s) that describes or identifies the following as it exists and is proposed:

- Number and type of emission units;\*
  - Crushers
    - List maximum manufacturer's rated capacity of the crushers (tons/hour)
  - Screens
  - Conveyors/transfer systems
  - Bins
  - Other

*\*Indicate what emission units are subject to **40 CFR Part 60 Subpart 000 NSPS** requirements, including testing;*

- Pollution control equipment \*
  - Water Spray Bars
  - Baghouse
  - Dust Collector
  - Other

*\*Indicate what emission units have control*
- Annual maximum crushing throughput requested in tons/year to appear in permit
- Proposed maximum particulate matter (PM, PM10) emission limits in tons/hour and tons/year along with the associated emission factors and other calculations used to calculate the proposed maximum emission limits to be included in the permit(s)
- Other activities/units present at the facility, if any, that may also require permitting (e.g., asphalt batch plant, concrete batch plant, etc.).

## Plot Plan/Flow Diagram:\*

- Identify site location, site property boundaries, and surrounding land use.
- Illustrate all existing and proposed emission units and pollution control equipment at the source.
- Label each emission unit/ pollution control equipment with a unique name or identifier.
- Differentiate between existing and proposed emission units/pollution control equipment.

\*Sketch drawing or block diagram is sufficient (doesn't have to be to scale)

## Lifetime General Operating Permits For Aggregate Processing Plants

*(Small G1400A or Large G1400B)*

The Illinois EPA will only authorize operation pursuant to those general permits if an application includes **all** of the following items:

- A description and location identifying the aggregate processing plant.
- A statement certifying that the aggregate processing plant meets the criteria in Finding 1 of the applicable Lifetime General Operating Permit For Aggregate Processing Plants (Small G1400A or Large G1400B).
- A request for authorization to operate pursuant to the applicable general permit.
- A statement that the aggregate processing plant is, and will be, operated to comply with 40 CFR Part 60 Subparts A and OOO (if applicable); 35 IAC Part 212, Subparts K and L, and the conditions of the applicable general permit.
- A signed certification by the applicant that the information contained in the application is accurate

## Application Forms:

The forms can be obtained on the Illinois EPA website at: [www.epa.state.il.us/air/stateforms/](http://www.epa.state.il.us/air/stateforms/)

- APC-629:** Application for a Permit to Construct and/or Operate;
- 197-FEE:** Fee Determination for Construction Permit Application if you are requesting a Construction Permit (***Please make sure a check in the appropriate amount is also included with the completed 197-Fee form;***)

## Send two copies (three if located in Cook County) of your application to:

**Bureau of Air Permit Section  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East,  
P.O. Box 19506  
Springfield, IL 62794-9506**

### Questions?

If you have any questions regarding air permitting, please contact the Illinois EPA Air Permit Section at 217-785-1705 or the Illinois Small Business Environmental Assistance Program at 800-252-3998.

**Registration of Smaller Sources (ROSS):** Effective December 2011, true minor sources with low *actual* emissions may be eligible to participate in the mandatory Registration of Smaller Sources (ROSS) program identified at 35 Ill. Adm. Code 201.175. Sources who can meet the following emission criteria as well as other eligibility criteria must register under the ROSS program in lieu of acquiring or maintaining an air pollution control permit:

- 5.0 Tons/yr of combined pollutants (particulate matter, carbon monoxide, nitrogen oxides, sulfur dioxide and volatile organic material)
  - 0.50 Tons/yr of combined Hazardous Air Pollutants (HAPs)
  - 0.05 Tons/yr of mercury air emissions
  - 0.05 Tons/yr of lead air emissions

For more information regarding the ROSS program including a complete list of the eligibility criteria visit [www.ienconnect.com/enviro](http://www.ienconnect.com/enviro) or contact the Illinois Small Business Environmental Assistance Program at 1-800-252-3998.