



Illinois Environmental  
Protection Agency

# Concrete Batch Plant

## WHAT SHOULD YOUR PERMIT APPLICATION INCLUDE?

### Cover Letter

- ✓ Describe what type of concrete batch plant (e.g., central mix or truck/transit mix) for which a construction and/or operating permit is being requested
- ✓ Indicate whether a portable operating permit is desired (plant needs to be moved at least once per year and meet the other requirements in 35 Ill. Adm. Code 201.170 to be eligible for a portable permit).
- ✓ 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 or table that describes or identifies the following as it exists and is proposed:

#### Number and type of emission units:

- Silos (cement, fly ash, cement supplement, etc.)
- Conveyors/transfer systems
- Weigh/batch hoppers
- Weigh/batch scales
- Mixer loading (central mix)
- Truck loading (truck/transit mix)
- Other

#### Pollution control equipment:

- Baghouse (indicate what emission units/processes the baghouse controls)
- Dust Collector (indicate what emission units/processes the dust collector controls)

Annual maximum concrete production requested in cubic yards/year to appear in permit.

Other activities/units present at the facility, if any that may also require permitting (e.g., concrete crushing plant, asphalt batch plant, quarry, an existing 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 Concrete Batch Plants

<b>Central Mix with Pollution Control Equipment on Silos and Mixer</b> (Loading up to 2,200,000 cubic yards/year and 23.97 tons/year PM emissions)
<b>Central Mix with Pollution Control Equipment on Silos</b> (up to 290,000 cubic yards/year and 24.71 tons/year PM emissions)
<b>Central Mix with Pollution Control Equipment on Silos</b> (up to 930,000 cubic yards/year and 79.21 tons/year PM emissions)
<b>Truck/Transit Mix with Pollution Control Equipment on Silos and Truck Loading</b> (up to 1,500,000 cubic yards/year and 24.71 tons/year PM emissions)
<b>Truck/Transit Mix with Pollution Control Equipment on Silos</b> (up to 167,000 cubic yards/year and 24.86 tons/year PM emissions)
<b>Truck/Transit Mix with Pollution Control Equipment on Silos</b> (up to 535,000 cubic yards/year and 79.61 tons/year PM emissions)

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

- A request for authorization to operate pursuant to one of the six general operating permits (specify the applicable category of permit applied for from the six as listed above).
- A statement certifying that the concrete batch plant meets the applicable pollution control equipment and concrete production/PM emissions limits associated with the category of general operating permit applied for.
- A statement that the concrete batch plant will be operated in compliance with applicable requirements of 35 Ill. Adm. Code Part 212, Subpart B: Visible Emissions, Subpart K: Fugitive Particulate Matter, and Subpart L: Particulate Matter Emissions From Process Emission Units.
- A statement that other facilities, such as an aggregate processing plant, asphalt mix plants, or any other process units, are not present and will not be allowed to operate at the concrete batch plant site.

### 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;
- APC-200P: Application for Permit Portable Emission Units (Complete and submit this instead of APC-629 if you desire a Portable Permit);
- 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.**