



Human & Companion Animal/Pet Crematory

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

- ✓ Number of crematory(s) and type of material to be cremated (human, companion animal (pet), or other; if other, describe in detail);
- ✓ If a companion animal (pet) crematory, the source(s) of the companion animal (pet) remains, a description of what will be done with the ashes, and a statement that the applicant is familiar with and will comply with the applicable portions of the Illinois Companion Animal Cremation Act;
- ✓ If material other than human remains or companion animals (pets) are to be cremated, a permit from the Bureau of Land Permit Section and local siting approval per Section 39.2 of the Illinois Environmental Protection Act may be required;
- ✓ The manufacturer's name, make and model number of each crematory, including the afterburner unit; and
- ✓ Whether the site has an existing Illinois EPA air operating permit. If it does, indicate in cover letter if the existing operating 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:

- ✓ For existing crematory(s), date(s) crematory(s) constructed and modified;
- ✓ Type of fuel for crematory(s) and maximum sulfur content of fuel if using fuel oil;
- ✓ If available, test results for the same make and model of crematory/afterburner that demonstrate compliance with the particulate matter (PM) standard in **35 Ill. Adm. Code 212.181(d)** and with the carbon monoxide (CO) standard in **35 Ill. Adm. Code 216.141**;
- ✓ Exhaust stack air flow rate in dscfm (dry standard cubic feet per minute); and
- ✓ The expected maximum annual air emissions (CO, PM) for all the crematory(s) combined.

Plot Plan/Flow Diagram:*

- ✓ Illustrate location of all crematory(s) covered by the application;
- ✓ Each crematory should be labeled by a unique identifier;
- ✓ Differentiate between any existing and proposed crematory(s);
- ✓ Identify site location, location of crematory(s), site property boundaries, and surrounding land use, and if applicable, other emission units/pollution control equipment;

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

Application Forms:

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

- ✓ APC-629: Application for a Permit to Construct and/or Operate;
- ✓ APC-260: Fill in Afterburner Section, Emission Information Section, and Exhaust Point Information
- ✓ 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 or contact the Illinois Small Business Environmental Assistance Program at 1-800-252-3998.