

**FORM VI100**  
**VAPOR INCINERATOR OR AFTERBURNER**

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1. EQUIPMENT LOCATION DRAWING. The drawing or sketch submitted must show at least the following:
  - a. The property involved and outlines and heights of all buildings on it. Identify property lines plainly.
  - b. Location and identification of each piece of equipment the afterburner is to serve.
  - c. Location of the ductwork and air pollution control equipment. Use lines to indicate ducts and include the outlines of the air pollution control device and sources of air contaminants.
  
2. DESCRIPTION OF AFTERBURNER. Supply the following:
  - a. A drawing, dimensioned and to scale, showing clearly the following (*Note: when standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be submitted*): outside and inside dimensions of all sections or chambers showing dimensions of inside and outside walls; inside and outside dimensions and height of stack; and location of burners.
  - b. All data and calculations used in choosing or designing the afterburner (i.e., inlet and outlet temperatures, residence time, concentrations of pollutants entering the unit, etc.).
  - c. The expected efficiency of the afterburner in controlling the types of air contaminants involved. Supply data to substantiate. Indicate in sufficient detail the extent of pick-up of air contaminants at the source.
  
3. COMPLETED INFORMATION IN TABLE BELOW:

<ol style="list-style-type: none"><li>1. Operating Schedule: _____ hours/day    _____ days/week    _____ weeks/year</li> <li>2. Make, model, size and type of afterburner: _____ _____</li> <li>3. Name and model of burner: _____</li> <li>4. Type of fuel to be used: _____ Amount: _____</li> <li>5. Is fuel storage tank to be installed?    ? yes    ? no  Capacity of storage tank: _____</li> <li>6. Catalyst Data (if used): Name, size, type, quantity and location: _____ _____</li></ol>
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