

Instructions for Attachment E201
MANUFACTURING OR PROCESSING OPERATIONS
Supplemental Application Form
(Instructions for completing DEEP-NSR-APP-201)

All applications for a permit to construct and operate a stationary source shall include the information listed in Regulations of Connecticut State Agencies (RCSA) section 22a-174-3a(c). This supplemental application form shall be completed for new or modified sources such as: chemical reactors and mixers in chemical manufacturing; food or agricultural processing; metal production; petroleum processing; pulp and paper production; rubber and plastic production; and textile processing.

Complete a separate form for *each* distinct manufacture or process line. *Each such manufacture or process line is considered a unit while the series of emission points which make up that manufacture or process line are each considered subunits.* Complete each item as appropriate. If a specific item does not apply to your situation indicate N/A (not applicable). If additional space is needed to answer a question stated in the application, attach separate sheet(s) as necessary, clearly identifying the applicant name, form name and Part number, the unit number and subunit number.

Note: The data provided in these forms will be used to define the operating limits in your permit.

Questions? Visit the [Air Permitting](#) web page or contact the Air Permitting Engineer of the Day at 860-424-4152 (between 8:30 AM and 4:30 PM, Monday through Friday).

Applicant Name: Provide the applicant name as previously indicated on the *Permit Application for Stationary Sources of Air Pollution* form (DEEP-NSR-APP-200).

Unit Number: Provide the unit number of the subject unit as previously assigned on the *Permit Application for Stationary Sources of Air Pollution* form (DEEP-NSR-APP-200). Please use a consistent reference number for each unit throughout the application package.

Part I: General

Manufacture or Process Description: Describe the process or end product.

Note: Process heat fuel burning subunits are to be listed in Part III of this form, not in Parts I or II.

Subunit Number - Assign a reference number to each emission point or subunit which makes up the distinct manufacture or process line. Base this reference number on the same numbering system that was used in completing Part I:

Application Type of the form *Permit Application for Stationary Sources of Air Pollution* (DEEP-NSR-APP-200). For example, if the number assigned to the unit is U1, the subunits which make up this line would be U1a, U1b, etc. Use separate rows to identify each distinct piece of equipment in the line. Note: Process heat fuel burning subunits are to be listed in Part III of this form, not in Parts I or II.

Make and Model - List the manufacturer, model number and serial number, if available, for each subunit. This information is specified by the manufacturer and can often found on the equipment nameplate. If unknown, this information can be obtained from the manufacturer.

Construction Date - Provide each subunit's actual or anticipated construction date.

Begin actual construction means in general, initiation of physical on-site construction activities on an emissions unit which are of a

permanent nature. Such activities include, but are not limited to, installation of building supports and foundations, laying of underground pipework, and construction of permanent storage structures. With respect to a change in method of operating this term refers to those on-site activities other than preparatory activities which mark the initiation of the change.

Begin actual construction means in general, initiation of physical on-site construction activities on an emissions unit which are of a permanent nature. Such activities include, but are not limited to, installation of building supports and foundations, laying of underground pipe work, and construction of permanent storage structures. With respect to a change in method of operating this term refers to those on-site activities other than preparatory activities which mark the initiation of the change.

Subunit Function - Describe the subunit's function, e.g., blending, reacting, filtering, etc.

Continuous or Batch - Indicate if the subunit's function is continuous (C) or batch (B).

Hours per Batch and Batches per Day - If a batch process, provide the total amount of time that the equipment operates to complete the subject batch in hours per batch. Also provide the maximum number of batches per day.

Maximum Operating Schedule - Provide the maximum anticipated operating schedule in hours per day and hours per year.

Is this unit subject to Title 40 CFR Part 60, NSPS?: Indicate if the unit is subject to Title 40 of the Code of Federal Regulations (CFR) Part 60, New Source Performance Standards (NSPS). If yes, specify the appropriate subpart(s).

Is this unit subject to Title 40 CFR Part 63, MACT?: Indicate if the unit is subject to Title 40 CFR Part 63, National Emissions Standards for Hazardous Air Pollutants (NESHAP). If yes, specify the appropriate subpart(s).

Title 40 CFR Part 60 and Title 40 CFR Part 63 regulations can be found on the [U.S. Government Printing Office Website](#).

Part II: Raw Material and Product Information

Subunit Number – Repeat the same subunit number(s) from Part I to identify the subunits for which additional information is being requested.

Raw Material(s) Used - List each raw material(s) used in the subunit, e.g., hydrochloric acid.

Maximum Hourly Quantity Input of Each Raw Material - For each raw material, provide the maximum amount used in the subunit on an hourly basis and specify the measurement units, e.g., 40 pounds per hour, etc.

List of Products - List the subunit's end products, e.g., ammonium chloride, ethyl alcohol.

Quantity Product Output - Provide the maximum hourly and annual end product output of each subunit and specify the measurement units, e.g., pounds per hour and tons/year, etc.

Part III: Process Heat Information

Note: Complete this Part only if:

- the process involves a fuel burning source which is not currently permitted, **and**
- the primary purpose of the fuel burning source is not for heat or power generation. If the primary purpose of the fuel burning source is for heat or power generation, complete the *Fuel Burning Equipment Form* (DEEP-NSR-APP-209)

A burner may supply heat to one or more subunits.

Subunit Number - Assign a reference number as described above to each process heat fuel burning subunit.

Fuel Type - Provide the type of fuel to be burned (e.g., No. 2 fuel oil, natural gas, etc.).

% Sulfur by Weight - List the sulfur content by weight percent on a dry basis in the fuel. This can be obtained from your fuel supplier.

Burner Maximum Rated Capacity - Provide the burner's maximum hourly design heat input in MMBtu/hour. This information can be obtained from the equipment manufacturer.

Maximum Hourly Fuel Firing Rate - Provide the burner's maximum hourly firing rate in gallons of fuel oil or cubic feet of natural gas. This information can be obtained from the equipment manufacturer.

Maximum Annual Fuel Consumption - Provide the maximum anticipated annual fuel usage rate in gallons of fuel oil or cubic feet of natural gas.

Provides Heat to Subunit(s) - Provide the subunit(s), from those listed in Parts I and II, which are provided heat from the process heat subunit.

Part IV: Attachments

This section offers a checklist of all the attachments necessary to complete this application. All listed Attachments are **REQUIRED**.

Check the appropriate box by each attachment being submitted as verification that all applicable attachments have been submitted. Please label all attachments as referenced in the permit application form and these instructions and be sure to include the name of the applicant as indicated on the application form.

Attachment E201-A: Process Information and Flow Diagram, REQUIRED

Submit a process flow diagram indicating all related equipment, air pollution control equipment and stacks, as applicable. Identify all materials entering and leaving each such device indicating quantities and parameters relevant to the proper operation of the device. Indicate all monitoring devices and controls.

Attachment E201-B: Manufacturer Information, REQUIRED

Submit copies of the manufacturer specification sheets for each subunit, and any air pollution control equipment and monitoring systems.