

Instructions for Attachment E211
STACK PARAMETERS
Supplemental Application Form
(Instructions for Completing DEEP-NSR-APP-211)

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 to provide the parameters of *each* stack used by each unit included in this application package along with parameters for buildings at the subject facility, if required.

Complete this form to provide the stack parameter information for all units that are part of this application package. 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, and unit 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).

Stack Parameters Summary

Note: If the exhaust point discharges indoors, use the building exhaust nearest the unit in completing this form.

Complete this part for each stack one at a time to ensure that each unit and its associated air pollution control equipment is properly grouped with such stack.

For units not utilizing air pollution control equipment, indicate N/A in the *Control Equipment No.* column.

When completed, all units, air pollution control equipment and stacks that are included in this application package should be listed in the summary table.

Stack Number - Assign a reference number to each stack that correlates with the unit number assigned to the unit which uses the stack. Base this reference number on the same numbering system that was used in completing Part I: Application and Source Type Summary on the *Permit Application for New Source Review Stationary Sources of Air Pollution* form (DEEP-NSR-APP-200). For example, if the unit number assigned to a particular unit is U1, the stack number should be S1. If there is more than one stack for a particular unit then assign reference numbers such as S1a and S1b, etc. If more than one unit uses the same stack, then assign a number to the stack that correlates with each unit number. For example, if unit numbers assigned were U1, U2, U3, then assign a reference number to the stack such as S1-2-3. Please use a consistent reference number for each stack throughout the application package.

Unit Number - Identify the reference or unit number(s) assigned to the unit(s) which is vented to the stack. Use the same numbering system that was used in completing Part I: Application and Source Type of the form *Permit Application for New Source Review Stationary Sources of Air Pollution* (DEEP-NSR-APP-200). Please use a consistent reference number for each unit throughout the application package. Include other units previously constructed which are vented to the same stack. Assign reference numbers to the previously constructed units which begin with the letter "P". For example, if the unit number assigned to a particular unit is U1, the stack number assigned should be S1 and the previously constructed unit vented to this same stack should be assigned a reference number P1. If there is more than one previously constructed unit vented to this stack, then assign reference numbers such as P1a and P1b, etc. Use the same reference number assigned to a stack for the previously constructed units except replace the "S" with a "P" and add a, b, c, etc., if applicable.

Control Equipment Number - Identify the reference number(s) assigned to each distinct piece of control equipment which is vented to the stack. Use the same numbering system that was used in completing Part I of the form *Air Pollution Control Equipment* (DEEP-NSR-APP-210). Please use a consistent reference number for each distinct piece of control equipment throughout the application package.

Stack Height - Provide the stack height in feet above grade. If there is no stack for a particular unit, enter the minimum height of release.

Stack Diameter - Provide the stack inner diameter in feet at the stack exit. If the stack is rectangular, specify the dimensions. If there is no stack for a particular unit, indicate N/A (not applicable).

Stack Exit Temperature - Provide the maximum and minimum stack exit temperature in °F assuming that all units to a common stack are in

operation at maximum rated capacity.

Stack Exhaust Flow Rate - Provide the maximum and minimum stack exhaust flow rate in actual cubic feet per minute, assuming all units to a common stack are in operation at maximum rated capacity.

Stack Exit Direction - Indicate the stack exit direction, horizontal (H) or vertical (V).

Rain Hat - Indicate if the stack is equipped with a rain hat, yes (Y) or no (N).

Stack Lining Material - Provide the stack lining material (e.g., metal, refractory, etc.).

Stack Distance to Nearest Property Line - Provide the linear distance in feet from the stack base to the nearest property line.

If more space is needed check the appropriate box and attach additional sheets providing the required information.