

GP-009B Boiler(s) Each Greater Than or Equal to 10 MMBTU/hr and Less Than 50 MMBTU/hr

Note: The system will log you out after 15 minutes of inactivity. If entering a large amount of data, please click on the Save button periodically to save data and reset the 15 minute timer. From the Certification page, you can use the menu on the left-hand side of the page to return to this screen and add additional data if necessary.

Section B: Reason for Applying (Check one)

Select "Unpermitted" if **all** of the pieces of Equipment covered by this General Permit are existing equipment that were never covered by an air permit, or is new equipment that is going to be installed. Continue to Section C: Equipment Inventory.

Select "Permitted" if **one or more** of the pieces of Equipment covered by this General Permit is existing equipment that is or was covered by an air permit, or new equipment that will replace existing pieces of equipment currently listed on an air permit.

If you are unsure the equipment listed in Section C: Equipment Inventory has ever been issued an air permit, please refer to your [Permit/Certificate Folder](#). The Permit/Certificate Folder contains a list of all permits (General and Preconstruction) at the facility and the equipment included in those permits.

- ☒ Unpermitted (new equipment or existing unpermitted equipment)
☐ Permitted (modification or replacement of existing pieces of equipment currently listed on an effective NJDEP permit)

Select Permitted Equipment

Section C: Inventories

Note: You must fill out all required facility designations and descriptions. Required fields are indicated by an asterisk (*).

Emission Unit Inventory

U NJID #	*Facility Designation
14	

Emission Point Inventory

PT NJID #	*Facility Designation	*PT Description	*Equivalent Diameter (in.)	*Stack Height (ft.)	*Distance to Property Line (ft.)	*Discharge Direction	Remove
43							<input type="checkbox"/>

Add Emission Point

Equipment Inventory

Important Note: An Initial Stack Test is required for each Boiler greater than or equal to 25 MMBTU/hr and combusting Natural Gas to demonstrate compliance with NOx and CO and VOC emission levels. If the Facility performed an Initial Stack Test pursuant to [N.J.A.C.7:27-19.7](#) after May 1, 2011 for a Boiler, and the Stack Test results meet the State-of-the-Art (SOTA) emission limits specified [here](#), and no modifications have been made to the Boiler since the test, the Boiler may be exempt from further stack testing. **The results of the Initial Stack Test shall be submitted with the General Permit in the Attachment Section if a Stack Test was performed and the Stack Test results were approved by the DEP. If the Stack Test wasn't performed at the time of registration, please have the Stack Test results approved by the DEP available upon request by the appropriate Regional Compliance Enforcement Office.** If the Stack Test results are attached, please check the "Initial Stack Test Attached?" box in the associated row.

E NJID #	*Facility Designation	*Associated PT NJID #	Equipment Type	Primary Fuel Type	*Equipment Make	*Equipment Manufacturer	*Equipment Model	*Equipment Serial No.	*Max. Rated Heat Input (MMBTU/hr)	*Installation Date (mm/dd/yyyy)	Boiler Controls (check all that apply)	Initial Stack Test Remove Attached?
22			Boiler	Natural Gas							<input type="checkbox"/> Low NOx Burner <input type="checkbox"/> Staged Air Combustion <input type="checkbox"/> Flue Gas Recirculation <input type="checkbox"/> Other (Describe):	Type: <input type="text"/> Amt %: <input type="text"/> <input type="checkbox"/>

Add Equipment

Section D: Potential To Emit

Boiler(s) burning Natural Gas based on an annual fuel limit (No. 2 Fuel Oil during Natural Gas curtailment only; as specified in the [Facility Specific Requirements](#) for this General Permit).

- The total combined annual fuel limit for all Boilers registered under this General Permit shall not exceed 840 MMSCF/yr.
- The annual PTE is established using State-of-the-Art (SOTA) and USEPA AP-42 emission factors based on the annual fuel limit provided.

Air Contaminant/HAPs	VOC (lb/MMBTU)	NOx (lb/MMBTU)	CO (lb/MMBTU)	SO2 (lb/MMSCF)	TSP/ PM-10/ PM-2.5 (lb/MMSCF)	Formaldehyde (lb/MMSCF)	Arsenic (lb/MMSCF)	Cadmium (lb/MMSCF)	Cobalt (lb/MMSCF)	7,12-Dimethyl benz(a) anthracene (lb/MMSCF)	Nickel (lb/MMSCF)	HAPs Total
Emission Factors	0.005	0.035	0.05	0.6	7.6	0.075	0.0002	0.0011	0.000084	0.000016	0.0021	N/A
Reporting Threshold (tpy)	N/A	N/A	N/A	N/A	N/A	0.00175	0.000005	0.000005	0.0000025	0.00000035	0.0003	N/A

PTE Calculations

*Total Fuel Consumption (MMSCF/yr)	VOC (tpy)	NOx (tpy)	CO (tpy)	SO2 (tpy)	TSP/ PM-10/ PM-2.5 (tpy)	Formaldehyde (tpy)	Arsenic (tpy)	Cadmium (tpy)	Cobalt (tpy)	7,12-Dimethyl benz(a) anthracene (tpy)	Nickel (tpy)	**HAPs Total (tpy)
<input type="text"/>	0.000	0.000	0.000	0.000	0.000	--	--	--	--	--	--	0.000000

**Only HAPs Total emissions greater than or equal to the Reporting Threshold (tpy) will be calculated.