

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PERMITTING

**GENERAL PERMIT REGISTRATION FORM FOR
BOILER(S) AND/OR HEATER(S)
EACH LESS THAN 5 MMBTU/HR**

SECTION A: FACILITY PROFILE

Facility ID Number _____ Facility Name _____

Street Address
Address Line 1 _____
Address Line 2 _____
Address Line 3 _____
City _____ State ____ Zip _____

Mailing Address Check if same as street address above
Address Line 1 _____
Address Line 2 _____
Address Line 3 _____
City _____ State ____ Zip _____

County
County Where Facility Is Located _____

Location Description

**Mailing Instructions
And Information:**

Mail Registration Form & Fee to:
NJDEP - Air Quality Permitting Program
401 East State Street, PO Box 027
Trenton, NJ 08625-0027

For Assistance, Please call:
(609) 633-2829

Industry Information
NAICS_Code _____

Facility Contact
General contact person (check one or both if contact person is the owner and/or operator) Owner Operator

Name _____	Organization _____
Title _____	Organization Type _____
Phone (____) _____	NJ EIN _____
Fax (____) _____	Mailing Address _____
Other (____) _____	Address Line 2 _____
Type _____	Address Line 3 _____
E-mail _____	City _____ State ____ Zip _____

SECTION B: REASON FOR APPLYING (Check one)

- New or Existing, Unpermitted Unit(s)
- Change in Permitting Option
- Modification to an Existing Permitted Unit(s)
- Other (Explain): _____

Previous Permit Number(s) if any: PCP/GEN – _____

ANY PERMIT NUMBERS WRITTEN HERE WILL BE SUPERSEDED

SECTION C: EMISSION UNIT INVENTORY

Emission Unit NJID #	Facility Designation of Emission Unit
U-	(max 12 characters)

SECTION D: EQUIPMENT INVENTORY

Equip NJID#	Emission Point NJID #	Facility Designation Of Equipment (max 12 characters)	Equip Type	Equipment Mfg	Equipment Model	Equipment Serial Number	Maximum Rated Heat Input MMBTU/hr	Installation Date mm/dd/yyyy	Location of Equipment
E -	PT -		Boiler <input type="checkbox"/> Heater <input type="checkbox"/>						
E -	PT -		Boiler <input type="checkbox"/> Heater <input type="checkbox"/>						
E -	PT -		Boiler <input type="checkbox"/> Heater <input type="checkbox"/>						
E -	PT -		Boiler <input type="checkbox"/> Heater <input type="checkbox"/>						
E -	PT -		Boiler <input type="checkbox"/> Heater <input type="checkbox"/>						

(ATTACH ADDITIONAL EQUIPMENT INVENTORY SHEETS IF NECESSARY)

SECTION E: PERMITTING OPTIONS

This registration form is for:

one single boiler and/or heater with a maximum rated heat input to the burning chamber of less than 5 MMBTU/hr;

--OR--

multiple boilers and/or heaters each with a maximum rated heat input to the burning chamber of less than 5 MMBTU/hr.

There are 3 permitted options from which to choose.

Option A: permits the Boiler(s) and/or Heater(s) by size and has no annual fuel limit.

Options B and C: permit the Boiler(s) and/or Heater(s) by a fuel limit, and requires fuel totalizer(s).

Indicate how you want the equipment registered by selecting one General Permit Number from the options below.

Only ONE box may be checked.

Also Print the General Permit Number checked below: BH17-_____

OPTION A (SIZE LIMIT)							
POTENTIALS TO EMIT (IN TONS PER YEAR) ARE ESTABLISHED BY SELECTING THE <u>TOTAL COMBINED</u> MAXIMUM RATED HEAT INPUT (MMBTU/HR) FOR ALL BOILER(S) AND / OR HEATER(S) BURNING ANY OF THE FOLLOWING FUELS: NATURAL GAS, NO. 2 FUEL OIL*, PROPANE, AND/OR KEROSENE							
General Permit Number	Total Combined Heat Input of All Boiler(s) and/or Heater(s) (MMBTU/hr)		Air Contaminant Category POTENTIAL TO EMIT (tons per year)				
	Greater Than	Less Than or Equal	Total Suspended Particulates (TSP)	Sulfur Dioxide (SO ₂)	Oxides of Nitrogen (NO _x)	Carbon Monoxide (CO)	Volatile Organic Compounds (VOC)
<input type="checkbox"/> BH17-A1	1	5	0.54	4.61	3.24	1.80	0.12
<input type="checkbox"/> BH17-A2	5	10	1.07	9.21	6.49	3.61	0.24
<input type="checkbox"/> BH17-A3	10	15	1.61	13.82	9.73	5.41	0.35
<input type="checkbox"/> BH17-A4	15	20	2.14	18.43	12.98	7.21	0.47
<input type="checkbox"/> BH17-A5	20	25	2.68	23.04	16.22	9.02	0.59
<input type="checkbox"/> BH17-A6	25	30	3.21	27.64	19.47	10.82	0.71

***Note: No. 2 fuel oil can be a blend of up to 5% by volume bioadditives.**

OPTION B (GASEOUS FUEL LIMIT)

POTENTIALS TO EMIT (IN TONS PER YEAR) ARE ESTABLISHED BY SELECTING
THE **TOTAL FUEL LIMIT** FOR ALL BOILER(S) AND / OR HEATER(S)
BURNING ANY OF THE FOLLOWING FUELS:
NATURAL GAS AND / OR PROPANE

General Permit Number	Total Fuel Limit (maximum standard cubic feet/year)	Air Contaminant Category POTENTIAL TO EMIT (tons per year)				
		Total Suspended Particulates (TSP)	Sulfur Dioxide (SO ₂)	Oxides of Nitrogen (NO _x)	Carbon Monoxide (CO)	Volatile Organic Compounds (VOC)
<input type="checkbox"/> BH17-B1	25,000,000	0.10	0.01	1.25	1.05	0.07
<input type="checkbox"/> BH17-B2	50,000,000	0.19	0.02	2.50	2.10	0.14
<input type="checkbox"/> BH17-B3	100,000,000	0.38	0.03	5.00	4.20	0.28
<input type="checkbox"/> BH17-B4	200,000,000	0.76	0.06	10.00	8.40	0.55
<input type="checkbox"/> BH17-B5	300,000,000	1.14	0.09	15.00	12.60	0.83
<input type="checkbox"/> BH17-B6	400,000,000	1.52	0.12	20.00	16.80	1.10

In order to determine compliance with the total gaseous fuel limit, any Permittee that combusts propane must convert gallons propane into scf propane, using the following formula: annual volume of propane burned (in gallons) multiplied by the factor 37.0 = equivalent volume propane (in standard cubic feet).

OPTION C (LIQUID FUEL LIMIT)

POTENTIALS TO EMIT (IN TONS PER YEAR) ARE ESTABLISHED BY SELECTING
THE **TOTAL FUEL LIMIT** FOR ALL BOILER(S) AND / OR HEATER (S)
BURNING ANY OF THE FOLLOWING FUELS:
NO. 2 FUEL OIL* AND/OR KEROSENE

General Permit Number	Total Fuel Limit (maximum gallons/year)	Air Contaminant Category POTENTIAL TO EMIT (tons per year)				
		Total Suspended Particulates (TSP)	Sulfur Dioxide (SO ₂)	Oxides of Nitrogen (NO _x)	Carbon Monoxide (CO)	Volatile Organic Compounds (VOC)
<input type="checkbox"/> BH17-C1	100,000	0.17	1.42	1.00	0.25	0.02
<input type="checkbox"/> BH17-C2	500,000	0.83	7.10	5.00	1.25	0.09
<input type="checkbox"/> BH17-C3	1,000,000	1.65	14.20	10.00	2.50	0.17
<input type="checkbox"/> BH17-C4	1,500,000	2.48	21.30	15.00	3.75	0.26
<input type="checkbox"/> BH17-C5	1,750,000	2.89	24.85	17.50	4.38	0.30
<input type="checkbox"/> BH17-C6	2,000,000	3.30	28.40	20.00	5.00	0.34

***Note: No. 2 fuel oil can be a blend of up to 5% by volume bioadditives.**

NOTE: Annual emissions listed in the Options Table above were calculated using factors from USEPA AP-42, Fifth Edition, Volume 1, Chapter 1.

SECTION F: CERTIFICATION

"I certify under penalty of law that I believe the information provided in this document is true, accurate, and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

Name of Individual With Direct Knowledge	Title	Signature	Date

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate or incomplete information."

Name of Responsible Official	Title	Signature	Date

For Department Use Only	PER#	Fee
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**INSTRUCTIONS FOR COMPLETING THE REGISTRATION FORM FOR
BOILER(S) AND/OR HEATER(S)
EACH LESS THAN 5 MMBTU/HR**

SECTION A: FACILITY PROFILE

Facility (ID Number & Facility Name) - Enter the New Jersey air pollution facility identification number (ID) followed by the facility name for which the General Permit is being registered. The ID is a five-digit number assigned by the New Jersey Department of Environmental Protection. Your facility name is the one registered with the New Jersey Secretary of State, under which your facility does business.

Street Address - Enter the address of the facility where the equipment to be permitted is physically located.

Mailing Address - Enter the facility's mailing address. If it is the same as the facility location, check the box provided.

Mailing Instructions & Information - Once the General Permit Registration Form has been completed, it should be mailed along with the appropriate fee to the New Jersey Department of Environmental Protection at the address listed on the front page of the Registration form.

County - Enter the county in which the facility is physically located (**not the mailing Address County**).

Location Description (optional) - Describe the facility's location if it is difficult to find using the street address. If you have to give a visitor direction to your facility, consider showing them here. (*Example: Two miles down the access road that leaves state highway 29 at mile marker 10.*)

Industry Information - Enter the facility's four-digit primary Standard Industrial Classification Code (SIC) or North American Industry Classification System NAICS equivalent. Use the codes registered with the US Department of Labor. You may also refer to the SIC manual from the U.S. Office of Management and Budget or equivalent industrial classification code. (<http://www.osha.gov/pls/imis/sicsearch.html>)

Commonly Used Codes:

	Description	SIC	NAICS
Schools	Elementary /Secondary	8211	611110
Apartment	Buildings	6513	531110
Nursing Care	Facilities	8051	623110
Water Supply	Systems	4941	221310
Religious	Organizations	8661	813110

Facility Contact - Check the box indicating a general contact person at the facility who has direct knowledge of the equipment being registered. If the owner and operator are the same, check both boxes. Enter the following information for the Facility Contact: Name, title, phone and fax numbers, other phone numbers and type (*Example*: pager, toll free, cell phone), e-mail address, the organization that the contact person works for; organization type (federal, local, public, private, state or utility); the New Jersey Employer Identification Number (EIN); and the contact mailing address.

SECTION B: REASON FOR APPLYING

This section provides the Department with the reason the General Permit Registration Form is being submitted.

New or Existing, Unpermitted Unit(s) - Check this box if this application is being filed for a unit(s) for which no current permit exists.

Change in Permitted Option – Check this box if the General Permit Registration Form is being submitted to change a permitting (PTE) option. For example, changing from option BH17-A4 to BH17-B2.

Modification to an Existing Permitted Unit(s) – Check this box if this application is being filed to supersede/replace an existing permit(s).

Other – Check this box if the General Permit Registration Form is being submitted for a reason other than those described above, and provide an explanation. Example: modification as a result of an enforcement action.

Previous Permit Number(s) - If the Unit(s) are covered by a previous permit or certificate, list the previous permit number (s). They will be superseded automatically. Permit numbers begin with the letters “GEN” or “PCP”, followed by 6 numbers.

SECTION C: EMISSION UNIT INVENTORY

Emission Unit NJID # - A facility may do either one of the two following:

1- Enter a unique 6 digit identification number (*example*: U-000010) that identifies the equipment covered by this General Permit. Once a number is used to identify the equipment or any another piece of equipment group at the facility, the same number cannot be used to identify any other piece of equipment at the facility. (*Note*: If the 6 digit identification number the facility enters is incorrect or conflicts with any number registered with the Department, then the Department will assign an appropriate number for the equipment);

2- Leave this line blank and the Department will assign an appropriate 6-digit identification number for the equipment operation covered by this General Permit. The Department will not assign the same two numbers for any piece of equipment registered for the facility.

Facility Designation of Emission Unit - Enter a name by which you can identify the equipment. Maximum 12 characters, so abbreviate. Try to include the manufacturer and BTU info if possible.

Example: CB#1–4.2MM (represents a 4.2MMBTU/hr Cleaver Brooks boiler)

Example: Main Blr Rm (represents the Main Boiler Room)

Example: Rooftop3.2MM (represents a heater located on the rooftop sized 3.2 MMBTU/hr)

SECTION D: EQUIPMENT INVENTORY

Equipment NJID # - see **Emission Unit NJID #**

Emission Point NJID # – see **Emission Unit. NJID #**

Facility Designation of Equipment - Enter a name by which you can identify the equipment. Again, it is helpful to include the BTU & manufacturer if possible. Maximum 12 characters, so abbreviate. It can be identical to the Facility Designation of Emission Unit above.

Equipment Type - Check the box that corresponds to the type of equipment. Only ONE box may be checked for each piece of equipment.

Equipment Manufacturer - Enter the manufacturer of the boiler.

Equipment Model - Enter the model of the boiler.

Equipment Serial Number – Enter the unique serial number from the boiler.

Max. Rated Heat input (MMBTU/Hour) - Enter the maximum rated heat input of the burner in MMBTU/hr.

Installation Date - Enter the date on which the equipment was installed (MM/DD/YYYY).

Location of Equipment – Describe where the equipment is located on the premises.

SECTION E: PERMITTING OPTIONS

This General Permit covers a single or multiple boiler(s) and heater(s). Individual equipment must have a maximum rated heat input to the burning chamber of less than 5 million BTU per hour and combust only the following fuels: natural gas, propane, kerosene and/or No. 2 fuel oil.*

Indicate how YOU WANT the equipment in this permit TO BE registered by printing one General Permit Number from one of the three options tables listed. The General Permit number YOU WISH TO SELECT should also be checked-off in the Table itself.

SECTION F: CERTIFICATION

Print or type the name and title of person, submit with original signature in ink, and date the application in the spaces provided.

Individual with Direct Knowledge - Individual listed as the contact person or any person with direct knowledge of and responsibility for the information contained in the General Permit Registration Form. This may or may not be the same person who signs as the Responsible Official defined below.

Responsible Official - Any company executive charged with environmental responsibilities. A Responsible Official as defined in N.J.A.C. 7:27-1.4 is as follows:

- | | |
|----------------------------|--|
| For a corporation: | a president, secretary, treasurer, or vice-president of the corporation; any other person who performs similar policy or decision making functions for the corporation; or a duly authorized representative responsible for the overall operation of a facility (plant manager, etc.). |
| For a partnership: | a general partner. |
| For a sole proprietorship: | the proprietor |
| For a government agency: | either a principal executive officer or ranking elected official. |

***Note: No. 2 fuel oil can be a blend of up to 5% by volume bioadditives.**