


## Boiler Work Permit Application

---

- Login to DEP online CATS: [www.nyc.gov/dep/cats](http://www.nyc.gov/dep/cats)
- After Login, select the top right button **“Boiler Work Permits, Inspection Requests (CO), and Amendments and Affidavits”**.
- You will be directed to the **“My Requests”** menu tab.

### Work Permit for New Boiler/Burner

- Click on the dropdown menu for **‘Select Request Type’** as **‘Work Permit Stationary’** or **‘Work Permit Mobile’** or **‘Work Permit Emergency’** as required.
- Click the **‘Create’** button.
- Enter the Application ID (e.g., CA001170 or CB000112 without the ending Alphabet) if you are applying for a Work Permit from an existing approved Emergency Boiler Work Permit and click **‘Continue’**.
- To create a new Stationary Work Permit application, click **“Create”**.
- Complete the information in each field. Mandatory fields on the request form (APC 5-0) are marked as asterisk. (i.e., Owner’s Email Address)
- Review all the information.
- Under **‘Fee Information’**: Select **‘Yes’** or **‘No’** for both **‘Is it a government owned property’** and **‘Fee Waiver’** status
  - If you selected **“Yes”**, **select the government agency and provide proof**. Upload document(s) from the **“My Requests”** tab.
- Once completed, *click both* the **‘Certification Checkbox’** and click the **‘Save & Submit’** or **‘Save’** button.

**To attach documents (PDF only)**, accessible from the **“My Requests”** menu: 

- Locate the application number/ request ID. Click the PDF icon to attach a file. (Only upload pdf files with a file name that does not exceed 40 characters including spaces.)
- Once the documents are attached, click the **‘My Request Page’** tab on top left corner.
- The following documents are required:
  - Drawings/Plans (in PDF format) with a Plot Plan, Boiler room plan and Boiler plan
  - Equipment compliance certification (if applicable)
  - Draft calculations (for new boilers, new induced draft fan or new chimney)
  - Heat load calculations for a new building
  - Workman’s Compensation Insurance document (if available)
  - Signature Page (signed and sealed by owner, P.E., and licensed installer)

### **Submit Application and Payment,**

Follow steps from [CATS Payment](#)

For all technical questions email: [airpermit@dep.nyc.gov](mailto:airpermit@dep.nyc.gov)



THE CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595-3855

**For Stationary/Mobile/Emergency Boilers- Heat Input of 4.2 Million Btu/hr or greater**

**Stationary/Mobile boilers - (PE/RA can file) Information and Documents needed:**

- APC 5.0 Application – System will generate
- Drawings/Plans (must be legible and formatted to print on 8½" X 11" or 11"x17")
  - Plot plan - Cross streets, North Direction, Location of boiler room, Block & Lot, DEP permitted sites, emission points, actual distance from the stack center to the nearest sensitive receptor
  - Boiler room plan –Location of all components, Ventilation specifications
  - Boiler plan – All dimensions, Burner limitations
- Compliance Certification Forms for boiler, burner and/or control are required for equipment not on the DEP accepted equipment list.
  - To check if boiler, burner and controls are on the [DEP accepted equipment list](#)
- Draft calculations are required for new boiler, induced draft fan, or chimney.
  - ASHRAE Program generated calculations (include summary sheet and detail output printout) (Version 2009 or later); or
  - NYC DEP Stack Adequacy Forms
- Heat load calculations required for new buildings and replacement boilers with heat input (BTU) greater than 20% of the heat input of existing boiler/equipment on record
- All drawings and documents must be uploaded as PDFs (file name should not exceed 40 characters including spaces)
- Signature Page - generated from APC 5.0 Application

**Emergency Work Permit - (LOBI/LMP or PE/RA can file)**

- Required Information:
  - Owner address and email
  - Premise address for the installation
  - Boiler Make/Model, Max Heat Input and Gross Output (Btu/hr); Fuel type
  - Application number (CA/CB/CR/CS/CW # ) for the replacement boiler
- Temporary Work Permit will be issued for 30 days.
- Fees will be applied to the new Work Permit application



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance
59-17 Junction Boulevard, 9th Floor, Flushing, New York 11373
Records Control (718) 595-3855

Online APC 5-0

Premises Information \*

1. Is this a legalized source?
1A. Facility Name (If any):
1B. Facility:
1C. House No (Facility Location):
1C. Street (Facility Location):
1D. Borough:
1E. State:
1F. Block:
1G. Lot:
1H. Zip:
1I. Building Identification Number (BIN):
1J. Equipment Location:
1K. No. of Floors:
1L. No. of Apts.:
1M. No. of Rooms:
1N. Building Total Square Footage:
10. Is this equipment a replacement for equipment presently certified?:
1P. If YES provide the installation number of the equipment it is replacing:

Owner Information

2A. Owner's Name:
2B. House No:
2B. Street Address:
2C. City or Borough:
2D. State:
2E. Zip:
2F. Email Address:
2G. Telephone:
2H. Fax:
2I. Facility Classification:



THE CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595-3855

PE / RA Information

3A. Name of P.E. or R.A.: UAT PE2.2 ?

3B. N.Y.S. P.E. or R.A. License No.: 023231 ?

3C. Email Address: pe2.2@outlook.com ?

3D. Telephone: ? \*

3E. Fax: ?

3F. Company Name: DEP ?

3G. House No: ? \*

3G. Street Address: ? \*

3H. City or Borough: ? \*

3I. State: NY ?

3J. Zip: ? \*

LMP/LOBI Information

3La. License Type:  None  LMP  LOBI

3L. NYC Installer or Plumber License No.: ? \*

3K. Name of Installer: ? \*

3M. Email Address: ? \*

3N. Telephone: ? \*

3O. Fax: ?

3P. Company Name: ?

3Q. House No: ? \*

3Q. Street Address: ? \*

3R. City or Borough: ? \*

3S. State: NY ?

3T. Zip: ? \*



THE CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595-3855

**Fee Information**

Is it a government owned property?:  Yes  No   
Fee Waiver:  Yes  No

**Chimney Information \***

**5B. Chimney:**  New  Existing  \*

**5C. Type of Chimney:**  Residential  Commercial  \*

**5D. Height:**   \*

**5E. Chimney inside dimension at outlet (in):**   \*

**5F. Radial distance above (ft):**   \*

**5G. Radial distance below (ft):**   \*

**5H. Rain Cap/Cover:**  Yes  No  \*

**5I. Exit Velocity (f/s)**   \*

**5J. Exit flow rates (SCFM)**   \*

**6A. Induced Draft Fan**  Yes  No  \*  
 New  Existing

**6B. Make**   \*

**6C. ModelNumber**   \*

**6D. Capacity**   \*

**Emission Monitor Information**

**7A. Continuous opacity monitor**

**7A. Monitor Make:**   \*

**7A. Model No:**

**7B. Nox**

**7B. Monitor Make:**   \*

**7B. Model No:**

**7C. Sox**

**7C. Monitor Make:**   \*

**7C. Model No:**



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance
59-17 Junction Boulevard, 9th Floor, Flushing, New York 11373
Records Control (718) 595-3855

Boiler Information \*

Is The Boiler On The DEP Accepted Equipment List? Yes No ?

8A. Boiler Make:

Text input field for Boiler Make

? \*

8B. Boiler Model:

Text input field for Boiler Model

? \*

8C. Maximum Input Rating(Million Btu/Hr):

Text input field for Maximum Input Rating

\*

8D. Number of identical boilers applied for:

Text input field for Number of identical boilers

\*

8E. Boiler: New Existing ?

\*

8F. Boiler Type:

Dropdown menu for Boiler Type

\*

8G. Type Of Boiler:

- Steel ?
Cast Iron
Steam
Hot H2O

Please select at least one Type of Boiler

8H. Heating surface (Fire side) sq ft:

Text input field for Heating surface

\*

8I. Gross output (Million Btu/Hr)

Text input field for Gross output

\*

8J. Gross output firing rate (gph or cfh):

Text input field for Gross output firing rate

\*

8K. Additional Combustion Equipment On Chimney Or In Boiler Room: Yes No ? \*

8L. Automatic Pressure Device To Maintain Boiler Steam

Text input field for Automatic Pressure Device

? Psig(Minimum)

8L. MFR:

Text input field for MFR

8L. CAT No:

Text input field for CAT No

8M. Automatic temperature device to maintain boiler water temp: Pressure@

Text input field for Automatic temperature device

? °F(Minimum)

8M. MFR:

Text input field for MFR

8M. CAT No:

Text input field for CAT No

8N. Is Lead Lag System: Yes No ? \*
(if you select NO, please ensure that boilers are interlocked)

8O. Lead Lag System: :

Make:

Text input field for Make

Model:

Text input field for Model

Other:

Text input field for Other

8P. Type Of Load On Boiler:

- Space Heating ?
Air Conditioning
Hot Water
Process

Please select at least one Type of Load

8Q. Is it a condensing boiler: Yes No ?

8R. Is boiler part of cogeneration unit: Yes No ?



THE CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595-3855

**Burner Information \***

Is The Burner On The DEP Accepted Equipment List?:  Yes  No [?](#) \*

9A. Burner Make:

[?](#) \*

9B. Burner Model Number:

[?](#) \*

9C. Number Of Burners:

1 [?](#)

9D. Burner:

New  Existing [?](#) \*

9E. Burner Type

Oil-Atomizers

<--Select Oil Atomizer--> [?](#) \*

Natural-Gas

<--Select Natural Gas--> \*

9F. Unit heat input (Million Btu/Hr.):

[?](#) \*

10A. Fuel Type 1

<-- Select Fuel Type --> [?](#)

10B. Fuel Type 1 Hours/day

[?](#) \*

10C. Fuel Type 1 Days/year

[?](#) \*

10D. Fuel Type 1 Quantity/hour (gph/cfh)

[?](#) gph/cfh \*

10E. Fuel Type 1 Quantity/year (gph/cfh)

[?](#) gph/cfh \*

10F. Fuel Type 1, Max Fuel Delivery Rate

[?](#) gph/cfh \*

11A. Fuel Type 2

<-- Select Fuel Type --> [?](#)

11B. Fuel Type 2 Hours/day

[?](#)

11C. Fuel Type 2 Days/year

[?](#)

11D. Fuel Type 2 Quantity/hour (gph/cfh)

[?](#) gph/cfh

11E. Fuel Type 2 Quantity/year (gph/cfh)

[?](#) gph/cfh

11F. Fuel Type 2, Max Fuel Delivery Rate

[?](#) gph/cfh

12. Burner Limitations

[?](#)

**Combustion Control Information \***

Is The Modulating Motor On The DEP Accepted Equipment List?:  Yes  No [?](#)

13A. Combustion Controller Type

None [?](#)

13B. High Low Modulation Motor

13C. Modulation Motor Make

[?](#)

13D. Modulation Motor Model

[?](#)

13E. Firing Rate Control

Yes  No

13F. Firing Rate Control Make

[?](#)

13G. Firing Rate Control CAT No

[?](#)



THE CITY OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Rev. 3/2022

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595-3855

Oil Handling Information

14A. No. of Primary Oil Heaters:  ?

14B. MFR:  ?

14C. CAT No.:  ?

14D. Type Of Media:  Steam  Hot H2O  Electric ?

14E. Circulation:  
(Provide information if Steam selected in 14D):  Forced  Gravity ?

14F. Non-Contaminating:  
(Provide information if Steam & Hot H2O selected in 14D):  Yes ?

14G. Blowdown & Throttling Valves  
(Provide information if Steam & Hot H2O selected in 14D):  Yes ?

14H. No. of Auxiliary (Electric) Heater(s):  ?

14I. Capacity (EA) Watts:  ?

14J. Capacity:  Gallons per hour ?  
 °F Oil Temp.  
 Pounds of steam  
 °F H<sub>2</sub>O  
 Watts

14K. Electric Heater(s) under constant temperature control:  Yes ?

14L. Oil stats as per plan details:  Yes ?

14M. Cold oil interlock:  Yes ?

14N. Temperature gauges as per plan details:  Yes ?

14O. All oil pipe lines adequately insulated:  Yes ?

Air/Gas Handling Information \*

15A. Intake Ventilation Fan(s):  Yes  No ? \*

15B. Make:  ?

15C. Model No.:  ?

15D. Capacity:  ?

15E. Exhaust Fan(s) in Boiler Room:  Yes  No ? \*

15F. Make:  ?

15G. Model No.:  ?

15H. Capacity:  ?

Louver

15I. Opening:  Yes  No ? \*

15J. Is it:  Fixed  Motorized ?

15K. Gross Area (Sq. In.):  ?

15L. Efficiency %:  ?

15M. Net area (sq.in):  ?

15N. Ventilation Duct:  Yes  No ? \*  
 New  Existing





**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
Records Control (718) 595-3855

**16A.** Barometric Damper:  Yes  No [?](#) \*

**16B.** Nominal size (in):  [?](#)

**16C.** Nominal area (sq.in):  [?](#)

**16D.** Power operated draft regulator with low draft cutoff:  Yes  No [?](#) \*

**16E.** MFR:  [?](#)

**16F.** CAT No.:  [?](#)

**17A.** Do you have Smoke Alarm with Combustion Shutoff & Audio-Visual Alarms:  Yes  No [?](#) \*

**17B.** Smoke Alarm MFR:  [?](#)

**17C.** Smoke Alarm Model #:  [?](#)

**Emission Control Information**

**18A.** Control Equipment Status:  Yes  No [?](#)

**18B.** Pollutant Type  Nox  Co  PM [?](#)

**18C.** Type Of Control:  [?](#)

**18D.** %Removal:  [?](#)

Contaminant		Emissions		19C. Hourly Emissions	19D. Annual Emissions
Name	CAS Number	19A. Actual <a href="#">?</a>	19B. How Determined <a href="#">?</a>	(Lbs/Hr) <a href="#">?</a>	(Lbs/Year) <a href="#">?</a>
Total Particulates	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Nitrogen Oxides	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Carbon Monoxide	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Additional Combustion Equipment in Facility**

Installation No.	Description	Manufacturer	Model	Input BTU/HR
<input type="button" value="Add Equipment"/> <a href="#">?</a>				

Is the Boiler & Burner from the DEP approved list?:  Yes  No

Additional Information:

I certify that I am authorized by the owner of the equipment to amend this application. As a licensed Professional Engineer / Registered Architect in the State of New York and acting as a designated agent for the applicant, I hereby certify that the application, plans, and all supplementary material submitted in connection with this filing are complete and fully comply with all applicable laws, codes, rules, regulations, and directives of the NYC Department of Environmental Protection (NYC DEP). All equipment and apparatus in addition to complying with the NYC DEP also meet the requirements of other federal, state and local agencies including but not limited to the US EPA, NYS Dept. of Environmental Conservation, NYS Department of Labor Board of Standards and Appeals, Fire Department of NY, NYC Department of Buildings and all applicable Safety Standards.

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. **Please tick the check box**



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

**Instructions for Completing Form APC 5-0**

Cell #	Form Field Name	Help Text
1	Is it for legalization?	Indicate whether this is a legalized source
1A	Facility Name (If any)	If subject premise has a name which is displayed on the store front sign or is commonly known (e.g. "ABCD" Garden Apartments) indicate such name. If no such name exists, indicate "none".
1B	Facility	Select "NEW" if equipment will be housed in a new structure. Select "EXISTING" if equipment will be housed in an existing structure.
1C	Facility Location	Complete premise address of combustion equipment being filed for.
1C	House No.	Do not insert any floor no./suite no.
1C	Street Address	Do not abbreviate street address.
1D	Borough	Select from the dropdown menu.
1E	State	Enter the State (NY).
1F	Block	Block number as seen from DOB for address entered above
1G	Lot	Lot number as seen from DOB for address entered above
1H	Zip Code	Zip code as seen from DOB for address entered above
1I	Building Identification Number (BIN)	If premise identified is part of a housing or commercial complex where buildings have identifying numbers and/or letters, provide same.
1J	Equipment Location	Identify physical location, by floor number, of combustion equipment within premise (e.g cellar).
1K	No. of Floors	Enter number of floors in the facility location
1L	No. of Apts	Enter the number of apartments in facility location
1M	No. of Rooms	Enter number of rooms in facility location
1N	Building total square footage	Enter the total square footage of property on facility location
1O	Is this equipment a replacement for equipment recently certified?	Select "YES" if equipment is a replacement for equipment that is currently certified. Select "NO" if the equipment is not a replacement.
1P	If YES, provide the installation number of the equipment it is replacing (CA/CB/CW):	If this equipment is a replacement for equipment currently certified, please provide the Installation Number of the equipment it is replacing. <i>(Renewal of the existing Certificate of Operation (CO) is required as long as the equipment is operable. The existing CO will be cancelled once we receive a written notification within 20 days that the equipment is dismantled or rendered inoperable.)</i>
2A	Owner's Name	Full legal name of owner of premise.
2B	Owner's Address	Owner's complete mailing address.
2B	House No.	Do not insert any floor no./suite no.
2B	Street Address	Do not abbreviate street address.
2C	Borough / City	Enter the borough or city if outside NY.
2D	State	Enter the State (NY).



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

2E	Zip Code	
2F	Owner's Email Address	Email address of owner to facilitate future correspondences and send out renewal reminders.
2G	Telephone	Enter the primary phone number of the Owner.
2H	Fax	Fax number of the Owner.
2I	Facility Classification	Classification based on type of use. Check only one appropriate box from drop down menu. Example: Hospital owned residence, check residential College owned dormitory, check residential College owned power plant, check utility
3A	Name of P.E or R.A	Full name of Professional Engineer or Registered Architect authorized to file the Boiler Application Form.
3B	NYS License Number	New York State Professional Engineer's or R. A's License Number
3C	E mail Address	P.E. or R.A email address for future correspondence.
3D	Telephone	Telephone number of the P.E or R.A.
3E	Fax	Fax number of the P.E or R.A.
3F	Company Name	Name of the company the P.E or R.A is employed with.
3G	Address	Complete business address information of the Professional Engineer or Registered Architect
3G	House No.	Do not insert any floor no./suite no.
3G	Street Address	Do not abbreviate street address.
3H	City or Borough	Enter the borough or city if outside NY.
3I	State	Enter the State (NY).
3J	Zip Code	
3K	Name of Installer	If applicable, provide the full name of the installer authorized to file the Boiler Form.
3La	License Type	Choose either LMP, LOBI or None.
3L	NYC Installer License Number	New York City Oil Burner Installer License Number.
3M	Installer E mail Address	Installer email address for future correspondence.
3N	Telephone	Telephone number of the installer.
3O	Fax	Fax number of the installer.
3P	Company Name	Name of the company the installer is employed with.
3Q	Installer Address	Complete the business address information of the installer.
3Q	House No.	Do not insert any floor no./suite no.
3Q	Street Address	Do not abbreviate street address.
3R	City or Borough	Enter the borough or city if outside NY.
3S	State	Enter the State (NY).
3T	Zip Code	
4A	Is it a government owned property?	If the premise where the equipment is located is city, state or federally owned as per the Department of Finance, then select "YES".
4B	Agency Name	Select the appropriate agency name.
4C	Fee Waiver	If the fee is waived, select 'Yes'



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

4D	Fee Waiver Reason	Select or mention detailed fee waiver reason.
5B	Chimney (New or Existing)	Select "New" if it's a new chimney and "Existing" if it's an existing chimney.
5C	Type of Chimney	Indicate 'Residential' or 'Commercial'. If there is a space heater or Domestic Hot water, select Residential. If there is a Process or Air Conditioner, select Commercial.
5D	Height	The vertical distance from the centerline of the entrance of the combustion gases into the chimney to the top of the chimney in feet
5E	Chimney inside Dimension at outlet (in)	Specify inside dimension of chimney outlet in inches. The diameter must be taken as the diameter or equivalent diameter at the outlet of the chimney. The term "equivalent diameter" means the equivalent diameter of a square or rectangular section based on equal area.
5F	Radial distance above (ft)	The actual radial distance from the centerline of the chimney outlet to the nearest sensitive receptor such as openable window, occupiable terrace and ventilation intake located at a height equal to or greater than the chimney outlet in feet.
5G	Radial distance below (ft)	The actual radial distance from the centerline of the chimney outlet to the nearest sensitive receptor such as openable window, occupiable terrace and ventilation intake located at a height below chimney outlet in feet.
5H	Rain Cap/Cover (Yes or No)	Indicate 'Yes' or 'No'.
5I	Exit Velocity (f/s)	Chimney gas exit velocity in feet per second.
5J	Exit flow rates (ACFM)	Chimney gas exit flow rate in actual cubic feet per minute (ACFM).
6A	Induced Draft Fan (Yes or No) & (New or Existing)	Indicate "Yes" or "No" & "New" or "Existing"
6B	Make	Specify Induced Draft Fan's Manufacturer make.
6C	Model Number	Specify Induced Draft Fan's Manufacturer.
6D	Capacity	Specify Induced Draft Fan's Capacity.
7A	Monitor Make	Specify the name of the manufacturer make of the continuous opacity monitor.
7A	Model No.	Specify the name of the manufacturer model number of the continuous opacity monitor.
7B	Monitor Make	Specify the name of the manufacturer make of the continuous NOx monitor.
7B	Model No.	Specify the name of the manufacturer model number of the continuous NOx monitor.
7C	Monitor Make	Specify the name of the manufacturer make of the continuous SOx monitor.
7C	Model No.	Specify the name of the manufacturer model number of the continuous SOx monitor.
	Is this boiler on the DEP Accepted Equipment List?	Select "Yes" if the boiler is accepted. Select "No" if the boiler is not accepted. Please check to see if this boiler is on the <a href="#">DEP accepted list</a> and complete an equipment certification form if "No" is selected.



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

8A	Boiler Make	Specify the name of the manufacturer of the boiler.
8B	Boiler Model	Specify the manufacturer's complete model number of boiler.
8C	Maximum Input Rating (Million BTU/Hr.)	If application is for new and/or modified installation specify in million BTU/hr, the total maximum operating heat input of all units on this application.
8D	Number of Identical Boilers applied for	Submit total number of identical boilers applied for. Note that only one type and size of equipment may be included on any one application.
8E	Boiler (New or Existing)	Check "New" if this is a new boiler or it is a replacement boiler and submit draft calculations. Check "Existing" if boiler application is for a replacement burner and the boiler is remaining the same.
8F	Boiler Type	Specify the unit type: Package Boiler Built up Boiler Acceptable steel oil-fired boiler assembly Acceptable cast- iron oil-fired boiler assembly Scotch marine boiler Chiller Mobile Boiler
8G	Type of Boiler (Steel, Steam, Cast Iron, Hot water)	Check appropriate items: Hot Water Steel Steam Cast Iron
8H	Heating Surface (Fire side) sq. ft.	Indicate fireside heating surface of boiler in square feet.
8I	Gross Output (Million BTU/Hr.)	Provide boiler gross output in million BTU/Hour, which shall be specified by the manufacturer.
8J	Gross Output Firing Rate (gph/cfh)	Provide boiler gross firing rate (GFR) in gallons per hour or cubic feet per hour. For new boilers, the GFR of the boiler shall be required to produce the GFR based on the manufacturer data. The GFR in gallons per hour for an existing boiler shall be determined by multiplying the gross output by $9.52 \times 10^{-6}$
8K	Additional Combustion Equipment on Chimney or in Boiler Room	Check "Yes" if other combustion equipment is operated in the same room or is connected to the same chimney, as the filed equipment. Show other equipment on plans: Identify other boiler/ incinerator/ burner etc.; manufacturer's name and model number (s), source emission numbers, draft controls, firing rates, ventilation, and all pertinent details. Check "No" if no other combustion equipment exists in same boiler room or on same chimney.
8L	Automatic pressure device to maintain boiler steam	Indicate manufacturer's name and complete catalog number of device. Indicate minimum pressure setting in pounds per square inch.
8M	Auto temperature device to maintain water temp	Indicate manufacturer's name and complete catalog number of devices. Indicate minimum temperature setting in degrees Fahrenheit.
8N	Lead Lag System (Yes or No)	Enter "Yes" if multiple boilers covering the same load are Employed. Enter "No" if single boiler covers entire load or each boiler carries a distinct load.



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

8O	Lead Lag System	Supply manufacturer's name and complete model number for a lead lag system.
8P	Type of Load on Boiler	Check appropriate loads. For residential select either Space Heating or Domestic Hot Water and for Commercial select either Air Conditioning or Process.
8Q	Is it a Condensing Boiler (Yes or No)	Select "Yes" if the boiler is condensing unit and "No" if it is not.
8R	Is a the Boiler Part of Cogeneration Unit (Yes or No)	Select "Yes" if the boiler is part of cogeneration unit and "No" if it is not.
	Is this burner on the DEP Accepted Equipment List?	Select "Yes" if the burner is accepted. Select "No" if the burner is not accepted. Please check to see if this burner is on the <a href="#">Department Accepted Equipment List</a> and complete an equipment certification form if "No" is selected.
9A	Burner Make	Specify the name of the manufacturer of the burner.
9B	Burner Model Number	Specify burner manufacturer's model number.
9C	Number of Burners	Specify the total number of the burners mounted on each boiler being filed for on the same application. All burners on a single application must be identical.
9D	Burner (New or Existing)	Check "new" or "existing" accordingly.
9E	Burner Type	Specify the type of burner used (for dual fuel installations, select the oil atomizer): Oil- Atomizers- Pressure atomized burner Steam atomized burner Air atomized burner Rotary cup burners Sonic atomizers Other oil atomization burners Natural Gas- Atmospheric gas burner Natural draft power gas burner Forced draft power gas burner Other natural gas types
9F	Unit Heat Input (Million BTU/Hr.)	Input per boiler.
10A	Fuel Type 1	Select the type of fuel burned or to be burned: No. 2 Fuel Oil Natural Gas Other
10B	Fuel Type 1 Hours/Day	Average number of hours per day burner is or will be operating for fuel type 1. Should not exceed 24 hr/day.
10C	Fuel Type 1 Days/Year	Average number of days per year burner is or will be in operation.
10D	Fuel Type 1 Quantity/Hour (gph/cfh)	Maximum quantity of fuel burned per hour in gallons for oil or cubic feet for gas during normal heating season.
10E	Fuel Type 1 Quantity/Year	Total quantity of fuel burned per year in gallons for oil or cubic feet for gas.
10F	Maximum Fuel type 1 Delivery Rate (GPH or CFH)	Select GPH if fuel is oil used and CFH if its natural gas only. For dual fuel installations, use the maximum fuel delivery rate of the fuel oil. The maximum fuel delivery rate to the burner nozzle shall be 80 to 110% of the boiler's gross output firing rate.



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

11A	Fuel Type 2	Select the type of fuel burned or to be burned: No. 2 Fuel Oil or Natural Gas Other
11B	Fuel Type 2 Hours/Day	Average number of hours per day burner is or will be operating for fuel type 2. Should not exceed 24 hr/day.
11C	Fuel Type 2 Days/Year	Average number of days per year burner is or will be in operation.
11D	Fuel Type 2 Quantity/Hour (gph/cfh)	Maximum quantity of fuel burned per hour in gallons for oil or cubic feet for gas during normal heating season.
11E	Fuel Type 2 Quantity/Year	Total quantity of fuel burned per year in gallons for oil or cubic feet for gas.
11F	Maximum Fuel type 2 Delivery Rate (GPH or CFH)	Select GPH if fuel is oil used and CFH if its natural gas only. For dual fuel installations, use the maximum fuel delivery rate of the fuel oil. The maximum fuel delivery rate to the burner nozzle shall be 80 to 110% of the boiler's gross output firing rate.
12	Burner Limitation Details	Specify burner limitation details.
	Is this boiler/burner assembly on the DEP Accepted Equipment List?	Select "Yes" if the assembly is accepted. Select "No" if the assembly is not accepted. Please check to see if this assembly is on the Department Accepted Equipment List and complete an equipment certification form if "No" is selected.
13A	Combustion Control Type	Select the type of combustion control type to be used: 1. Combustion On-Off 2. Low-High-Off with Low Fire Start 3. Low-High-Low-Off with Proven Low Fire Start 4. Full Modulation with Proven Low Fire Start
13B	High Low Modulation Motor	(Provide information for type 2, 3, &4)
13C	Modulating Motor Make	Submit manufacturer's name.
13D	Modulating Motor Model No.	Submit manufacturer's complete model number.
13E	Firing Rate Control (Yes or No)	Select "Yes" if there is a firing rate control. Select "No" if not.
13E	Firing Rate Control Make	Submit manufacturer's name.
13F	Firing Rate Control Cat No.	Submit manufacturer's complete model number.
14A	No. of Primary Oil Heaters	For No.6 Fuel oil, indicate the number of primary heaters.
14B	MFR	For No.6 Fuel oil, indicate the name of the manufacturer.
14C	CAT No.	For No.6 Fuel oil, indicate the complete manufacturer catalog number.
14D	Type of Media (Steam, Hot H2o, Electric)	Indicate whether the heat source for the primary oil heater is steam, hot water, or electricity.
14E	Circulation	If heat source is steam, and primary heater is equipped with hot water circulator check "Forced" else check "Gravity."
14F	Non-Contaminating	Filing engineer must certify that the primary oil heater is non-contaminating type if steam and hot water were selected as the type of media from question 14D.
14G	Blowdown & Throttling Valves	Filing engineer certifies that primary oil heater meets blowdown and throttling valve requirements.
14H	No. of Auxiliary (Electric) Heater(s)	Indicate total number of auxiliary electric heaters associated with all identical boilers filed on this application. Do not include electric heaters submitted as "primary oil heaters".
14I	Capacity (EA) Watts	Provide the capacity of the heater in Watts. This value should be at least 2x28x Maximum fuel delivery rate).





**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

14J	Capacity	Submit the capacity of primary oil heater in GPH for the specific temperature rise at the steam pressure or water temperature maintained in 8M.
14K	Electric Heater under constant temp control	Filing engineer certifies that electric heater is under thermostatic or oil stat control.
14L	Oil stats as per plan	Filing engineer certifies that Oil stats are as defined in the Plans.
14M	Cold Oil Interlock	Filing engineer certifies that cold oil interlock is as defined in the Plans.
14N	Temperature Gauges as per Plan Details	Filing engineer certifies that temperature gauges are as defined in the Plans.
14O	All Oil Pipe Lines Adequately Insulated	Filing engineer certifies that pipelines are installed as defined in the Plans.
15A	Intake Ventilation Fan(s) (Yes or No)	Indicate "Yes" or "No".
15B	Make	If yes, please specify the manufacturer's name of the fan.
15C	Model	If yes, please specify the manufacturer's model of the fan
15D	Capacity	If yes, please specify the manufacturer's capacity of the fan in CFM
15E	Exhaust Fan in Boiler Room (Yes or No)	Indicate "Yes" or "No"
15F	Make	If yes, please specify the Manufacturer's name of the exhaust fan.
15G	Model	If yes, please specify the Manufacturer's model of the fan.
15H	Capacity	If yes, please specify the capacity of the fan.
15I	Opening (Yes or No)	Indicate whether an open louver will be utilized to provide combustion air.
15J	Is It (Fixed or Motorized)	Indicate whether it is open or motorized louver. Motorized louvers are required for boilers with a gross output firing rate of 7.0 million BTU/hr or greater.
15K	Gross Area (sq. in)	Specify the gross area in square inches.
15L	Efficiency%	Indicate the percent efficiency. When the actual louver efficiency is unknown, the efficiency shall be taken as 60 percent for a fixed louver and 100 percent for a motorized louver.
15M	Net Area (sq. in)	Specify the net area in square inches. The net free area shall be 86 square inches for every one million BTU/hr based on the maximum heat input rating.
15N	Ventilation Duct (Yes or No) and (New or Existing)	If ventilation duct (s) is (are) used, indicate "Yes" and state if ducts (s) is (are) "New" (to be installed with this application) or "Existing" (already installed on a previous application).
16A	Barometric Damper	If barometric damper is to be used, select "Yes". If another form of draft control is used, select "No".
16B	Nominal Size (in)	If barometric damper installed then specify its diameter in inches (must be as large as the breeching diameter).
16C	Nominal Area (sq. in)	If barometric damper installed then specify its area in square inches.
16D	Power Operated Draft Regulator with Low Draft Cutoff (Yes or No)	If power operated draft regulator (PODR) is used, enter "Yes" and the original manufacturer and complete catalog number of basic unit and low draft switch. If the low draft switch is manufactured by a different company than the draft





**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Rev. 3/2022

Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9<sup>th</sup> Floor, Flushing, New York 11373  
 Records Control (718) 595-3855

		regulator, submit the complete manufacturer's name and catalog number of the switch.
16E	MFR.	Provide PODR manufacturer.
16F	CAT No.	Provide PODR catalog number.
17A	Do You Have Smoke alarm with Combustion Shutoff & audio-visual alarm (Yes or No)	If smoke alarm is required, enter "Yes" Please refer to Engineering Criteria § 2-11 (e) (7).
17B	Smoke Alarm MFR.	If smoke alarm (opacity monitor) is required, specify the manufacturer's name and catalog number.
17C	Smoke Alarm Model	
18A	Control Equipment Status (Yes or No)	If emission control equipment is used select "Yes". If no emission control equipment is used, select "No".
18B	Pollutant Type Nox, Co, Pm	Select: Oxides of Nitrogen (NOx), Carbon Monoxide (CO), and/or Particulate Matter (PM).
18C	Type of Control	Describe control (i.e, low NOx burners, flue gas recirculation, selective catalytic reduction (SCR)) and Manufacturer's make/model number.
18D	% Removal	Specify the percent (%) removed from control.
19A	Emissions >> Actual	Provide emission factors in pound of contaminant per million BTU.
19B	Emissions >> How Determined	Provide how emission factors determined (i.e, Manufacturer Data, USEPA AP-42, Source Testing, Other)
19C	Hourly Emissions (lbs.hr)	Provide maximum hourly emissions using emissions factors and maximum quantity per hour.
19D	Annual Emissions (lbs/yr)	Provide annual emissions using emission factors and maximum quantity per year.